APPENDIX A

URBAN WATER MANAGEMENT PLANNING ACT

Established: AB 797, Klehs, 1983
Amended: AB 2661, Klehs, 1990
AB 11X, Filante, 1991
AB 1869, Speier, 1991
AB 892, Frazee, 1993
SB 1017, McCorquodale, 1994
AB 2853, Cortese, 1994
AB 1845, Cortese, 1995
SB 1011, Polanco, 1995
AB 2552, Bates, 2000
SB 553, Kelley, 2000
SB 610, Costa, 2001
AB 901, Daucher, 2001
SB 672, Machado, 2001
SB 1348, Brulte, 2002
SB 1384, Costa, 2002
SB 1518, Torlakson, 2002
AB 105, Wiggins, 2004
SB 318, Alpert, 2004
SB 1087, Florez, 2005
SBX7 7, Steinberg, 2009

CALIFORNIA WATER CODE DIVISION 6
PART 2.6. URBAN WATER MANAGEMENT PLANNING

CHAPTER 1. GENERAL DECLARATION AND POLICY

10610. This part shall be known and may be cited as the "Urban Water Management Planning Act."

10610.2. (a) The Legislature finds and declares all of the following:

(1) The waters of the state are a limited and renewable resource subject to ever-increasing demands.

(2) The conservation and efficient use of urban water supplies are of statewide concern; however, the planning for that use and the implementation of those plans can best be accomplished at the local level.

(3) A long-term, reliable supply of water is essential to protect the productivity of California's businesses and economic climate.

(4) As part of its long-range planning activities, every urban water supplier should make every effort to ensure the appropriate level of reliability in its water service sufficient to meet the needs of its various categories of customers during normal, dry, and multiple dry water years.

(5) Public health issues have been raised over a number of contaminants that have been identified in certain local and imported water supplies.

(6) Implementing effective water management strategies, including groundwater storage projects and recycled water projects, may require specific water quality and salinity targets for meeting groundwater basins water quality objectives and promoting beneficial use of recycled water.

(7) Water quality regulations are becoming an increasingly important factor in water agencies' selection of raw water sources, treatment alternatives, and modifications to existing treatment facilities.

(8) Changes in drinking water quality standards may also impact the usefulness of water supplies and may ultimately impact supply reliability.

(9) The quality of source supplies can have a significant impact on water management strategies and supply reliability.

(b) This part is intended to provide assistance to water agencies in carrying out their long-term resource planning responsibilities to ensure adequate water supplies to meet existing and future demands for water.

10610.4. The Legislature finds and declares that it is the policy of the state as follows:

(a) The management of urban water demands and efficient use of water shall be actively pursued to protect both the people of the state and their water resources.

(b) The management of urban water demands and efficient use of urban water supplies shall be a guiding criterion in public decisions.

(c) Urban water suppliers shall be required to develop water management plans to actively pursue the efficient use of available supplies.

CHAPTER 2. DEFINITIONS

10611. Unless the context otherwise requires, the definitions of this chapter govern the construction of this part.

10611.5. "Demand management" means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.

10612. "Customer" means a purchaser of water from a water supplier who uses the water for municipal purposes, including residential, commercial, governmental, and industrial uses.

10613. "Efficient use" means those management measures that result in the most effective use of water so as to prevent its waste or unreasonable use or unreasonable method of use.

10614. "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of such an entity.

10615. "Plan" means an urban water management plan prepared pursuant to this part. A plan shall describe and evaluate sources of supply, reasonable and practical efficient uses, reclamation and demand management activities. The components of the plan may vary according to an individual community or area's characteristics and its capabilities to efficiently use and conserve water. The plan shall address measures for residential, commercial, governmental, and industrial water demand management as set forth in Article 2 (commencing with Section 10630) of Chapter 3. In addition, a strategy and time schedule for implementation shall be included in the plan.

10616. "Public agency" means any board, commission, county, city and county, city, regional agency, district, or other public entity.

10616.5. "Recycled water" means the reclamation and reuse of wastewater for beneficial use.

10617. "Urban water supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. An urban water supplier includes a supplier or contractor for water, regardless of the basis of right, which distributes or sells for ultimate resale to customers. This part applies only to water supplied from public water systems subject to Chapter 4 (commencing with Section 116275) of Part 12 of Division 104 of the Health and Safety Code.

CHAPTER 3. URBAN WATER MANAGEMENT PLANS
Article 1. General Provisions

10620.

(a) Every urban water supplier shall prepare and adopt an urban water management plan in the manner set forth in Article 3 (commencing with Section 10640).

(b) Every person that becomes an urban water supplier shall adopt an urban water management plan within one year after it has become an urban water supplier.

(c) An urban water supplier indirectly providing water shall not include planning elements in its water management plan as provided in Article 2 (commencing with Section 10630) that would be applicable to urban water suppliers or public agencies directly providing water, or to their customers, without the consent of those suppliers or public agencies.

(d)

(1) An urban water supplier may satisfy the requirements of this part by participation in areawide, regional, watershed, or basinwide urban water management planning where those plans will reduce preparation costs and contribute to the achievement of conservation and efficient water use.

(2) Each urban water supplier shall coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.

(e) The urban water supplier may prepare the plan with its own staff, by contract, or in cooperation with other governmental agencies.

(f) An urban water supplier shall describe in the plan water management tools and options used by that entity that will maximize resources and minimize the need to import water from other regions.

10621.

(a) Each urban water supplier shall update its plan at least once every five years on or before December 31, in years ending in five and zero.

(b) Every urban water supplier required to prepare a plan pursuant to this part shall notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. The urban water supplier may consult with, and obtain comments from, any city or county that receives notice pursuant to this subdivision.

(c) The amendments to, or changes in, the plan shall be adopted and filed in the manner set forth in Article 3 (commencing with Section 10640).

Article 2. Contents of Plans

10630. It is the intention of the Legislature, in enacting this part, to permit levels of water management planning commensurate with the numbers of customers served and the volume of water supplied.

10631. A plan shall be adopted in accordance with this chapter and shall do all of the following:

(a) Describe the service area of the supplier, including current and projected population, climate, and other demographic factors affecting the supplier's water management planning. The projected population estimates shall be based upon data from the state, regional, or local service agency population projections within the service area of the urban water supplier and shall be in five-year increments to 20 years or as far as data is available.

(b) Identify and quantify, to the extent practicable, the existing and planned sources of water available to the supplier over the same five-year increments described in subdivision (a). If groundwater is identified as an existing or planned source of water available to the supplier, all of the following information shall be included in the plan:

(1) A copy of any groundwater management plan adopted by the urban water supplier, including plans adopted pursuant to Part 2.75 (commencing with Section 10750), or any other specific authorization for groundwater management.

(2) A description of any groundwater basin or basins from which the urban water supplier pumps groundwater. For those basins for which a court or the board has adjudicated the rights to pump groundwater, a copy of the order or decree adopted by the court or the board and a description of the amount of groundwater the urban water supplier has the legal right to pump under the order or decree.

For basins that have not been adjudicated, information as to whether the department has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition.

(3) A detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the

past five years. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

(4) A detailed description and analysis of the amount and location of groundwater that is projected to be pumped by the urban water supplier. The description and analysis shall be based on information that is reasonably available, including, but not limited to, historic use records.

(c) Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage, to the extent practicable, and provide data for each of the following:

(1) An average water year.
(2) A single dry water year.
(3) Multiple dry water years.

For any water source that may not be available at a consistent level of use, given specific legal, environmental, water quality, or climatic factors, describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.

(d) Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.

(e)

(1) Quantify, to the extent records are available, past and current water use, over the same five-year increments described in subdivision (a), and projected water use, identifying the uses among water use sectors including, but not necessarily limited to, all of the following uses:

(A) Single-family residential.
(B) Multifamily.
(C) Commercial.
(D) Industrial.
(E) Institutional and governmental.
(F) Landscape.
(G) Sales to other agencies.
(H) Saline water intrusion barriers, groundwater recharge, or conjunctive use, or any combination thereof.
(I) Agricultural.

(2) The water use projections shall be in the same five-year increments described in subdivision (a).

(f) Provide a description of the supplier's water demand management measures. This description shall include all of the following:

(1) A description of each water demand management measure that is currently being implemented, or scheduled for implementation, including the steps necessary to implement any proposed measures, including, but not limited to, all of the following:

(A) Water survey programs for single-family residential and multifamily residential customers.

(B) Residential plumbing retrofit.

(C) System water audits, leak detection, and repair.

(D) Metering with commodity rates for all new connections and retrofit of existing connections.

(E) Large landscape conservation programs and incentives.

(F) High-efficiency washing machine rebate programs.

(G) Public information programs.

(H) School education programs.

(I) Conservation programs for commercial, industrial, and institutional accounts.

(J) Wholesale agency programs.

(K) Conservation pricing.

(L) Water conservation coordinator.

(M) Water waste prohibition.

(N) Residential ultra-low-flush toilet replacement programs.

(2) A schedule of implementation for all water demand management measures proposed or described in the plan.

(3) A description of the methods, if any, that the supplier will use to evaluate the effectiveness of water demand management measures implemented or described under the plan.

(4) An estimate, if available, of existing conservation savings on water use within the supplier's service area, and the effect of the savings on the supplier's ability to further reduce demand.

(g) An evaluation of each water demand management measure listed in paragraph (1) of subdivision (f) that is not currently being implemented or scheduled for implementation. In the course of the evaluation, first consideration shall be given to water demand management measures, or combination of measures, that offer lower incremental costs than expanded or additional water supplies. This evaluation shall do all of the following:

(1) Take into account economic and noneconomic factors, including environmental, social, health, customer impact, and technological factors.

(2) Include a cost-benefit analysis, identifying total benefits and total costs.

(3) Include a description of funding available to implement any planned water supply project that would provide water at a higher unit cost.

(4) Include a description of the water supplier's legal authority to implement the measure and efforts to work with other relevant agencies to ensure the implementation of the measure and to share the cost of implementation.

(h) Include a description of all water supply projects and water supply programs that may be undertaken by the urban water supplier to meet the total projected water use as established pursuant to subdivision (a) of Section 10635. The urban water supplier shall include a detailed description of expected future projects and programs, other than the demand management programs identified pursuant to paragraph (1) of subdivision (f), that the urban water supplier may implement to increase the amount of the water supply available to the urban water supplier in average, single-dry, and multiple-dry water years. The description shall identify specific projects and include a description of the increase in water supply that is expected to be available from each project. The description shall include an estimate with regard to the implementation timeline for each project or program.

(i) Describe the opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.

(j) Urban water suppliers that are members of the California Urban Water Conservation Council and submit annual reports to that council in accordance with the "Memorandum of Understanding Regarding Urban Water Conservation in California," dated September 1991, may submit the annual reports identifying water demand management measures currently being implemented, or scheduled for implementation, to satisfy the requirements of subdivisions (f) and (g).

(k) Urban water suppliers that rely upon a wholesale agency for a source of water, shall provide the wholesale agency with water use projections from that agency for that source of water in five-year increments to 20 years or as far as data is available. The wholesale agency shall provide information to the urban water supplier for inclusion in the urban water supplier's plan that identifies and quantifies, to the extent practicable, the existing and planned sources of water as required by subdivision (b), available from the wholesale agency to the urban water supplier over the same five-year increments, and during various water-year types in accordance with subdivision (c). An urban water supplier may rely upon water supply information provided by the wholesale agency in fulfilling the plan informational requirements of subdivisions (b) and (c), including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply.

10631.5. The department shall take into consideration whether the urban water supplier is implementing or scheduled for implementation, the water demand management activities that the urban water supplier identified in its urban water management plan, pursuant to Section 10631, in evaluating applications for grants and loans made available pursuant to Section 79163. The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand management activities.

10632. The plan shall provide an urban water shortage contingency analysis which includes each of the following elements which are within the authority of the urban water supplier:

(a) Stages of action to be undertaken by the urban water supplier in response to water supply shortages, including up to a 50 percent reduction in water supply, and an outline of specific water supply conditions which are applicable to each stage.

(b) An estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.

(c) Actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.

(d) Additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.

(e) Consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.

(f) Penalties or charges for excessive use, where applicable.

(g) An analysis of the impacts of each of the actions and conditions described in subdivisions (a) to (f), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.

(h) A draft water shortage contingency resolution or ordinance.

(i) A mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.

10633. The plan shall provide, to the extent available, information on recycled water and its potential for use as a water source in the service area of the urban water supplier. The preparation of the plan shall be coordinated with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area, and shall include all of the following:

(a) A description of the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.

(b) A description of the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.

(c) A description of the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.

(d) A description and quantification of the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.

(e) The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected pursuant to this subdivision.

(f) A description of actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of acre-feet of recycled water used per year.

(g) A plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.

10634. The plan shall include information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments as described in subdivision (a) of Section 10631, and the manner in which water quality affects water management strategies and supply reliability.

Article 2.5 Water Service Reliability

10635.

(a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. The water service reliability assessment shall be based upon the information compiled

pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

(b) The urban water supplier shall provide that portion of its urban water management plan prepared pursuant to this article to any city or county within which it provides water supplies no later than 60 days after the submission of its urban water management plan.

(c) Nothing in this article is intended to create a right or entitlement to water service or any specific level of water service.

(d) Nothing in this article is intended to change existing law concerning an urban water supplier's obligation to provide water service to its existing customers or to any potential future customers.

Articl 3. Adoption and Implementation of Plans

10640. Every urban water supplier required to prepare a plan pursuant to this part shall prepare its plan pursuant to Article 2 (commencing with Section 10630).

The supplier shall likewise periodically review the plan as required by Section 10621, and any amendments or changes required as a result of that review shall be adopted pursuant to this article.

10641. An urban water supplier required to prepare a plan may consult with, and obtain comments from, any public agency or state agency or any person who has special expertise with respect to water demand management methods and techniques.

10642. Each urban water supplier shall encourage the active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan. Prior to adopting a plan, the urban water supplier shall make the plan available for public inspection and shall hold a public hearing thereon. Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned water supplier pursuant to Section 6066 of the Government Code. The urban water supplier shall provide notice of the time and place of hearing to any city or county within which the supplier provides water supplies. A privately owned water supplier shall provide an equivalent notice within its service area. After the hearing, the plan shall be adopted as prepared or as modified after the hearing.

10643. An urban water supplier shall implement its plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan.

10644.

(a) An urban water supplier shall file with the department and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. Copies of amendments or changes to the plans shall be filed with the department and any city or county within which the supplier provides water supplies within 30 days after adoption.

(b) The department shall prepare and submit to the Legislature, on or before December 31, in the years ending in six and one, a report summarizing the status of the plans adopted pursuant to this part. The report prepared by the department shall identify the outstanding elements of the individual plans. The department shall provide a copy of the report to each urban water supplier that has filed its plan with the department. The department shall also prepare reports and provide data for any legislative hearings designed to consider the effectiveness of plans submitted pursuant to this part.

10645. Not later than 30 days after filing a copy of its plan with the department, the urban water supplier and the department shall make the plan available for public review during normal business hours.

CHAPTER 4. MISCELLANEOUS PROVISIONS

10650. Any actions or proceedings to attack, review, set aside, void, or annul the acts or decisions of an urban water supplier on the grounds of noncompliance with this part shall be commenced as follows:

(a) An action or proceeding alleging failure to adopt a plan shall be commenced within 18 months after that adoption is required by this part.

(b) Any action or proceeding alleging that a plan, or action taken pursuant to the plan, does not comply with this part shall be commenced within 90 days after filing of the plan or amendment thereto pursuant to Section 10644 or the taking of that action.

10651. In any action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan by an urban water supplier on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse of discretion is established if the supplier has not proceeded in a manner required by law or if the action by the water supplier is not supported by substantial evidence.

10652. The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part or to the implementation of actions taken pursuant to Section 10632. Nothing in this part shall be interpreted as exempting from the California Environmental Quality Act any project that would significantly affect water

supplies for fish and wildlife, or any project for implementation of the plan, other than projects implementing Section 10632, or any project for expanded or additional water supplies.

10653. The adoption of a plan shall satisfy any requirements of state law, regulation, or order, including those of the State Water Resources Control Board and the Public Utilities Commission, for the preparation of water management plans or conservation plans; provided, that if the State Water Resources Control Board or the Public Utilities Commission requires additional information concerning water conservation to implement its existing authority, nothing in this part shall be deemed to limit the board or the commission in obtaining that information. The requirements of this part shall be satisfied by any urban water demand management plan prepared to meet federal laws or regulations after the effective date of this part, and which substantially meets the requirements of this part, or by any existing urban water management plan which includes the contents of a plan required under this part.

10654. An urban water supplier may recover in its rates the costs incurred in preparing its plan and implementing the reasonable water conservation measures included in the plan. Any best water management practice that is included in the plan that is identified in the "Memorandum of Understanding Regarding Urban Water Conservation in California" is deemed to be reasonable for the purposes of this section.

10655. If any provision of this part or the application thereof to any person or circumstances is held invalid, that invalidity shall not affect other provisions or applications of this part which can be given effect without the invalid provision or application thereof, and to this end the provisions of this part are severable.

10656. An urban water supplier that does not prepare, adopt, and submit its urban water management plan to the department in accordance with this part, is ineligible to receive funding pursuant to Division 24 (commencing with Section 78500) or Division 26 (commencing with Section 79000), or receive drought assistance from the state until the urban water management plan is submitted pursuant to this article.

10657.

(a) The department shall take into consideration whether the urban water supplier has submitted an updated urban water management plan that is consistent with Section 10631, as amended by the act that adds this section, in determining whether the urban water supplier is eligible for funds made available pursuant to any program administered by the department.

(b) This section shall remain in effect only until January 1, 2006, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2006, deletes or extends that date.

APPENDIX B

WATER CONSERVATION BILL OF 2009

Senate Bill No. 7

CHAPTER 4

An act to amend and repeal Section 10631.5 of, to add Part 2.55 (commencing with Section 10608) to Division 6 of, and to repeal and add Part 2.8 (commencing with Section 10800) of Division 6 of, the Water Code, relating to water.

[Approved by Governor November 10, 2009. Filed with Secretary of State November 10, 2009.]

LEGISLATIVE COUNSEL'S DIGEST

SB 7, Steinberg. Water conservation.

(1) Existing law requires the Department of Water Resources to convene an independent technical panel to provide information to the department and the Legislature on new demand management measures, technologies, and approaches. "Demand management measures" means those water conservation measures, programs, and incentives that prevent the waste of water and promote the reasonable and efficient use and reuse of available supplies.

This bill would require the state to achieve a 20% reduction in urban per capita water use in California by December 31, 2020. The state would be required to make incremental progress towards this goal by reducing per capita water use by at least 10% on or before December 31, 2015. The bill would require each urban retail water supplier to develop urban water use targets and an interim urban water use target, in accordance with specified requirements. The bill would require agricultural water suppliers to implement efficient water management practices. The bill would require the department, in consultation with other state agencies, to develop a single standardized water use reporting form. The bill, with certain exceptions, would provide that urban retail water suppliers, on and after July 1, 2016, and agricultural water suppliers, on and after July 1, 2013, are not eligible for state water grants or loans unless they comply with the water conservation requirements established by the bill. The bill would repeal, on July 1, 2016, an existing requirement that conditions eligibility for certain water management grants or loans to an urban water supplier on the implementation of certain water demand management measures.

(2) Existing law, until January 1, 1993, and thereafter only as specified, requires certain agricultural water suppliers to prepare and adopt water management plans.

This bill would revise existing law relating to agricultural water management planning to require agricultural water suppliers to prepare and adopt agricultural water management plans with specified components on or before December 31, 2012, and update those plans on or before December

31, 2015, and on or before December 31 every 5 years thereafter. An agricultural water supplier that becomes an agricultural water supplier after December 31, 2012, would be required to prepare and adopt an agricultural water management plan within one year after becoming an agricultural water supplier. The agricultural water supplier would be required to notify each city or county within which the supplier provides water supplies with regard to the preparation or review of the plan. The bill would require the agricultural water supplier to submit copies of the plan to the department and other specified entities. The bill would provide that an agricultural water supplier is not eligible for state water grants or loans unless the supplier complies with the water management planning requirements established by the bill.

(3) The bill would take effect only if SB 1 and SB 6 of the 2009–10 7th Extraordinary Session of the Legislature are enacted and become effective.

The people of the State of California do enact as follows:

SECTION 1. Part 2.55 (commencing with Section 10608) is added to Division 6 of the Water Code, to read:

PART 2.55. SUSTAINABLE WATER USE AND DEMAND REDUCTION

CHAPTER 1. GENERAL DECLARATIONS AND POLICY

10608. The Legislature finds and declares all of the following:

(a) Water is a public resource that the California Constitution protects against waste and unreasonable use.

(b) Growing population, climate change, and the need to protect and grow California's economy while protecting and restoring our fish and wildlife habitats make it essential that the state manage its water resources as efficiently as possible.

(c) Diverse regional water supply portfolios will increase water supply reliability and reduce dependence on the Delta.

(d) Reduced water use through conservation provides significant energy and environmental benefits, and can help protect water quality, improve streamflows, and reduce greenhouse gas emissions.

(e) The success of state and local water conservation programs to increase efficiency of water use is best determined on the basis of measurable outcomes related to water use or efficiency.

(f) Improvements in technology and management practices offer the potential for increasing water efficiency in California over time, providing an essential water management tool to meet the need for water for urban, agricultural, and environmental uses.

(g) The Governor has called for a 20 percent per capita reduction in urban water use statewide by 2020.

(h) The factors used to formulate water use efficiency targets can vary significantly from location to location based on factors including weather, patterns of urban and suburban development, and past efforts to enhance water use efficiency.

(i) Per capita water use is a valid measure of a water provider's efforts to reduce urban water use within its service area. However, per capita water use is less useful for measuring relative water use efficiency between different water providers. Differences in weather, historical patterns of urban and suburban development, and density of housing in a particular location need to be considered when assessing per capita water use as a measure of efficiency.

10608.4. It is the intent of the Legislature, by the enactment of this part, to do all of the following:

(a) Require all water suppliers to increase the efficiency of use of this essential resource.

(b) Establish a framework to meet the state targets for urban water conservation identified in this part and called for by the Governor.

(c) Measure increased efficiency of urban water use on a per capita basis.

(d) Establish a method or methods for urban retail water suppliers to determine targets for achieving increased water use efficiency by the year 2020, in accordance with the Governor's goal of a 20-percent reduction.

(e) Establish consistent water use efficiency planning and implementation standards for urban water suppliers and agricultural water suppliers.

(f) Promote urban water conservation standards that are consistent with the California Urban Water Conservation Council's adopted best management practices and the requirements for demand management in Section 10631.

(g) Establish standards that recognize and provide credit to water suppliers that made substantial capital investments in urban water conservation since the drought of the early 1990s.

(h) Recognize and account for the investment of urban retail water suppliers in providing recycled water for beneficial uses.

(i) Require implementation of specified efficient water management practices for agricultural water suppliers.

(j) Support the economic productivity of California's agricultural, commercial, and industrial sectors.

(k) Advance regional water resources management.

10608.8. (a) (1) Water use efficiency measures adopted and implemented pursuant to this part or Part 2.8 (commencing with Section 10800) are water conservation measures subject to the protections provided under Section 1011.

(2) Because an urban agency is not required to meet its urban water use target until 2020 pursuant to subdivision (b) of Section 10608.24, an urban retail water supplier's failure to meet those targets shall not establish a violation of law for purposes of any state administrative or judicial proceeding prior to January 1, 2021. Nothing in this paragraph limits the use of data reported to the department or the board in litigation or an

administrative proceeding. This paragraph shall become inoperative on January 1, 2021.

(3) To the extent feasible, the department and the board shall provide for the use of water conservation reports required under this part to meet the requirements of Section 1011 for water conservation reporting.

(b) This part does not limit or otherwise affect the application of Chapter 3.5 (commencing with Section 11340), Chapter 4 (commencing with Section 11370), Chapter 4.5 (commencing with Section 11400), and Chapter 5 (commencing with Section 11500) of Part 1 of Division 3 of Title 2 of the Government Code.

(c) This part does not require a reduction in the total water used in the agricultural or urban sectors, because other factors, including, but not limited to, changes in agricultural economics or population growth may have greater effects on water use. This part does not limit the economic productivity of California's agricultural, commercial, or industrial sectors.

(d) The requirements of this part do not apply to an agricultural water supplier that is a party to the Quantification Settlement Agreement, as defined in subdivision (a) of Section 1 of Chapter 617 of the Statutes of 2002, during the period within which the Quantification Settlement Agreement remains in effect. After the expiration of the Quantification Settlement Agreement, to the extent conservation water projects implemented as part of the Quantification Settlement Agreement remain in effect, the conserved water created as part of those projects shall be credited against the obligations of the agricultural water supplier pursuant to this part.

Chapter 2. Definitions

10608.12. Unless the context otherwise requires, the following definitions govern the construction of this part:

(a) "Agricultural water supplier" means a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding recycled water. "Agricultural water supplier" includes a supplier or contractor for water, regardless of the basis of right, that distributes or sells water for ultimate resale to customers. "Agricultural water supplier" does not include the department.

(b) "Base daily per capita water use" means any of the following:

(1) The urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous 10-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(2) For an urban retail water supplier that meets at least 10 percent of its 2008 measured retail water demand through recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier, the urban retail water supplier may extend the calculation described in paragraph (1) up to an additional five years to a maximum of

a continuous 15-year period ending no earlier than December 31, 2004, and no later than December 31, 2010.

(3) For the purposes of Section 10608.22, the urban retail water supplier's estimate of its average gross water use, reported in gallons per capita per day and calculated over a continuous five-year period ending no earlier than December 31, 2007, and no later than December 31, 2010.

(c) "Baseline commercial, industrial, and institutional water use" means an urban retail water supplier's base daily per capita water use for commercial, industrial, and institutional users.

(d) "Commercial water user" means a water user that provides or distributes a product or service.

(e) "Compliance daily per capita water use" means the gross water use during the final year of the reporting period, reported in gallons per capita per day.

(f) "Disadvantaged community" means a community with an annual median household income that is less than 80 percent of the statewide annual median household income.

(g) "Gross water use" means the total volume of water, whether treated or untreated, entering the distribution system of an urban retail water supplier, excluding all of the following:

(1) Recycled water that is delivered within the service area of an urban retail water supplier or its urban wholesale water supplier.

(2) The net volume of water that the urban retail water supplier places into long-term storage.

(3) The volume of water the urban retail water supplier conveys for use by another urban water supplier.

(4) The volume of water delivered for agricultural use, except as otherwise provided in subdivision (f) of Section 10608.24.

(h) "Industrial water user" means a water user that is primarily a manufacturer or processor of materials as defined by the North American Industry Classification System code sectors 31 to 33, inclusive, or an entity that is a water user primarily engaged in research and development.

(i) "Institutional water user" means a water user dedicated to public service. This type of user includes, among other users, higher education institutions, schools, courts, churches, hospitals, government facilities, and nonprofit research institutions.

(j) "Interim urban water use target" means the midpoint between the urban retail water supplier's base daily per capita water use and the urban retail water supplier's urban water use target for 2020.

(k) "Locally cost effective" means that the present value of the local benefits of implementing an agricultural efficiency water management practice is greater than or equal to the present value of the local cost of implementing that measure.

(*l*) "Process water" means water used for producing a product or product content or water used for research and development, including, but not limited to, continuous manufacturing processes, water used for testing and maintaining equipment used in producing a product or product content, and

water used in combined heat and power facilities used in producing a product or product content. Process water does not mean incidental water uses not related to the production of a product or product content, including, but not limited to, water used for restrooms, landscaping, air conditioning, heating, kitchens, and laundry.

(m) "Recycled water" means recycled water, as defined in subdivision (n) of Section 13050, that is used to offset potable demand, including recycled water supplied for direct use and indirect potable reuse, that meets the following requirements, where applicable:

(1) For groundwater recharge, including recharge through spreading basins, water supplies that are all of the following:

(A) Metered.

(B) Developed through planned investment by the urban water supplier or a wastewater treatment agency.

(C) Treated to a minimum tertiary level.

(D) Delivered within the service area of an urban retail water supplier or its urban wholesale water supplier that helps an urban retail water supplier meet its urban water use target.

(2) For reservoir augmentation, water supplies that meet the criteria of paragraph (1) and are conveyed through a distribution system constructed specifically for recycled water.

(n) "Regional water resources management" means sources of supply resulting from watershed-based planning for sustainable local water reliability or any of the following alternative sources of water:

(1) The capture and reuse of stormwater or rainwater.

(2) The use of recycled water.

(3) The desalination of brackish groundwater.

(4) The conjunctive use of surface water and groundwater in a manner that is consistent with the safe yield of the groundwater basin.

(o) "Reporting period" means the years for which an urban retail water supplier reports compliance with the urban water use targets.

(p) "Urban retail water supplier" means a water supplier, either publicly or privately owned, that directly provides potable municipal water to more than 3,000 end users or that supplies more than 3,000 acre-feet of potable water annually at retail for municipal purposes.

(q) "Urban water use target" means the urban retail water supplier's targeted future daily per capita water use.

(r) "Urban wholesale water supplier," means a water supplier, either publicly or privately owned, that provides more than 3,000 acre-feet of water annually at wholesale for potable municipal purposes.

Chapter 3. Urban Retail Water Suppliers

10608.16. (a) The state shall achieve a 20-percent reduction in urban per capita water use in California on or before December 31, 2020.

(b) The state shall make incremental progress towards the state target specified in subdivision (a) by reducing urban per capita water use by at least 10 percent on or before December 31, 2015.

10608.20. (a) (1) Each urban retail water supplier shall develop urban water use targets and an interim urban water use target by July 1, 2011. Urban retail water suppliers may elect to determine and report progress toward achieving these targets on an individual or regional basis, as provided in subdivision (a) of Section 10608.28, and may determine the targets on a fiscal year or calendar year basis.

(2) It is the intent of the Legislature that the urban water use targets described in subdivision (a) cumulatively result in a 20-percent reduction from the baseline daily per capita water use by December 31, 2020.

(b) An urban retail water supplier shall adopt one of the following methods for determining its urban water use target pursuant to subdivision (a):

(1) Eighty percent of the urban retail water supplier's baseline per capita daily water use.

(2) The per capita daily water use that is estimated using the sum of the following performance standards:

(A) For indoor residential water use, 55 gallons per capita daily water use as a provisional standard. Upon completion of the department's 2016 report to the Legislature pursuant to Section 10608.42, this standard may be adjusted by the Legislature by statute.

(B) For landscape irrigated through dedicated or residential meters or connections, water efficiency equivalent to the standards of the Model Water Efficient Landscape Ordinance set forth in Chapter 2.7 (commencing with Section 490) of Division 2 of Title 23 of the California Code of Regulations, as in effect the later of the year of the landscape's installation or 1992. An urban retail water supplier using the approach specified in this subparagraph shall use satellite imagery, site visits, or other best available technology to develop an accurate estimate of landscaped areas.

(C) For commercial, industrial, and institutional uses, a 10-percent reduction in water use from the baseline commercial, industrial, and institutional water use by 2020.

(3) Ninety-five percent of the applicable state hydrologic region target, as set forth in the state's draft 20x2020 Water Conservation Plan (dated April 30, 2009). If the service area of an urban water supplier includes more than one hydrologic region, the supplier shall apportion its service area to each region based on population or area.

(4) A method that shall be identified and developed by the department, through a public process, and reported to the Legislature no later than December 31, 2010. The method developed by the department shall identify per capita targets that cumulatively result in a statewide 20-percent reduction in urban daily per capita water use by December 31, 2020. In developing urban daily per capita water use targets, the department shall do all of the following:

(A) Consider climatic differences within the state.

(B) Consider population density differences within the state.

(C) Provide flexibility to communities and regions in meeting the targets.

(D) Consider different levels of per capita water use according to plant water needs in different regions.

(E) Consider different levels of commercial, industrial, and institutional water use in different regions of the state.

(F) Avoid placing an undue hardship on communities that have implemented conservation measures or taken actions to keep per capita water use low.

(c) If the department adopts a regulation pursuant to paragraph (4) of subdivision (b) that results in a requirement that an urban retail water supplier achieve a reduction in daily per capita water use that is greater than 20 percent by December 31, 2020, an urban retail water supplier that adopted the method described in paragraph (4) of subdivision (b) may limit its urban water use target to a reduction of not more than 20 percent by December 31, 2020, by adopting the method described in paragraph (1) of subdivision (b).

(d) The department shall update the method described in paragraph (4) of subdivision (b) and report to the Legislature by December 31, 2014. An urban retail water supplier that adopted the method described in paragraph (4) of subdivision (b) may adopt a new urban daily per capita water use target pursuant to this updated method.

(e) An urban retail water supplier shall include in its urban water management plan required pursuant to Part 2.6 (commencing with Section 10610) due in 2010 the baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.

(f) When calculating per capita values for the purposes of this chapter, an urban retail water supplier shall determine population using federal, state, and local population reports and projections.

(g) An urban retail water supplier may update its 2020 urban water use target in its 2015 urban water management plan required pursuant to Part 2.6 (commencing with Section 10610).

(h) (1) The department, through a public process and in consultation with the California Urban Water Conservation Council, shall develop technical methodologies and criteria for the consistent implementation of this part, including, but not limited to, both of the following:

(A) Methodologies for calculating base daily per capita water use, baseline commercial, industrial, and institutional water use, compliance daily per capita water use, gross water use, service area population, indoor residential water use, and landscaped area water use.

(B) Criteria for adjustments pursuant to subdivisions (d) and (e) of Section 10608.24.

(2) The department shall post the methodologies and criteria developed pursuant to this subdivision on its Internet Web site, and make written copies

available, by October 1, 2010. An urban retail water supplier shall use the methods developed by the department in compliance with this part.

(i) (1) The department shall adopt regulations for implementation of the provisions relating to process water in accordance with subdivision (*l*) of Section 10608.12, subdivision (e) of Section 10608.24, and subdivision (d) of Section 10608.26.

(2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

(j) An urban retail water supplier shall be granted an extension to July 1, 2011, for adoption of an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) due in 2010 to allow use of technical methodologies developed by the department pursuant to paragraph (4) of subdivision (b) and subdivision (h). An urban retail water supplier that adopts an urban water management plan due in 2010 that does not use the methodologies developed by the department pursuant to subdivision (h) shall amend the plan by July 1, 2011, to comply with this part.

10608.22. Notwithstanding the method adopted by an urban retail water supplier pursuant to Section 10608.20, an urban retail water supplier's per capita daily water use reduction shall be no less than 5 percent of base daily per capita water use as defined in paragraph (3) of subdivision (b) of Section 10608.12. This section does not apply to an urban retail water supplier with a base daily per capita water use at or below 100 gallons per capita per day.

10608.24. (a) Each urban retail water supplier shall meet its interim urban water use target by December 31, 2015.

(b) Each urban retail water supplier shall meet its urban water use target by December 31, 2020.

(c) An urban retail water supplier's compliance daily per capita water use shall be the measure of progress toward achievement of its urban water use target.

(d) (1) When determining compliance daily per capita water use, an urban retail water supplier may consider the following factors:

(A) Differences in evapotranspiration and rainfall in the baseline period compared to the compliance reporting period.

(B) Substantial changes to commercial or industrial water use resulting from increased business output and economic development that have occurred during the reporting period.

(C) Substantial changes to institutional water use resulting from fire suppression services or other extraordinary events, or from new or expanded operations, that have occurred during the reporting period.

(2) If the urban retail water supplier elects to adjust its estimate of compliance daily per capita water use due to one or more of the factors described in paragraph (1), it shall provide the basis for, and data supporting, the adjustment in the report required by Section 10608.40.

(e) When developing the urban water use target pursuant to Section 10608.20, an urban retail water supplier that has a substantial percentage of industrial water use in its service area, may exclude process water from the calculation of gross water use to avoid a disproportionate burden on another customer sector.

(f) (1) An urban retail water supplier that includes agricultural water use in an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) may include the agricultural water use in determining gross water use. An urban retail water supplier that includes agricultural water use in determining gross water use and develops its urban water use target pursuant to paragraph (2) of subdivision (b) of Section 10608.20 shall use a water efficient standard for agricultural irrigation of 100 percent of reference evapotranspiration multiplied by the crop coefficient for irrigated acres.

(2) An urban retail water supplier, that is also an agricultural water supplier, is not subject to the requirements of Chapter 4 (commencing with Section 10608.48), if the agricultural water use is incorporated into its urban water use target pursuant to paragraph (1).

10608.26. (a) In complying with this part, an urban retail water supplier shall conduct at least one public hearing to accomplish all of the following:

(1) Allow community input regarding the urban retail water supplier's implementation plan for complying with this part.

(2) Consider the economic impacts of the urban retail water supplier's implementation plan for complying with this part.

(3) Adopt a method, pursuant to subdivision (b) of Section 10608.20, for determining its urban water use target.

(b) In complying with this part, an urban retail water supplier may meet its urban water use target through efficiency improvements in any combination among its customer sectors. An urban retail water supplier shall avoid placing a disproportionate burden on any customer sector.

(c) For an urban retail water supplier that supplies water to a United States Department of Defense military installation, the urban retail water supplier's implementation plan for complying with this part shall consider the United States Department of Defense military installation's requirements under federal Executive Order 13423.

(d) (1) Any ordinance or resolution adopted by an urban retail water supplier after the effective date of this section shall not require existing customers as of the effective date of this section, to undertake changes in product formulation, operations, or equipment that would reduce process water use, but may provide technical assistance and financial incentives to those customers to implement efficiency measures for process water. This section shall not limit an ordinance or resolution adopted pursuant to a declaration of drought emergency by an urban retail water supplier.

(2) This part shall not be construed or enforced so as to interfere with the requirements of Chapter 4 (commencing with Section 113980) to Chapter 13 (commencing with Section 114380), inclusive, of Part 7 of Division 104 of the Health and Safety Code, or any requirement or standard for the protection of public health, public safety, or worker safety established by federal, state, or local government or recommended by recognized standard setting organizations or trade associations.

10608.28. (a) An urban retail water supplier may meet its urban water use target within its retail service area, or through mutual agreement, by any of the following:

(1) Through an urban wholesale water supplier.

(2) Through a regional agency authorized to plan and implement water conservation, including, but not limited to, an agency established under the Bay Area Water Supply and Conservation Agency Act (Division 31 (commencing with Section 81300)).

(3) Through a regional water management group as defined in Section 10537.

(4) By an integrated regional water management funding area.

(5) By hydrologic region.

(6) Through other appropriate geographic scales for which computation methods have been developed by the department.

(b) A regional water management group, with the written consent of its member agencies, may undertake any or all planning, reporting, and implementation functions under this chapter for the member agencies that consent to those activities. Any data or reports shall provide information both for the regional water management group and separately for each consenting urban retail water supplier and urban wholesale water supplier.

10608.32. All costs incurred pursuant to this part by a water utility regulated by the Public Utilities Commission may be recoverable in rates subject to review and approval by the Public Utilities Commission, and may be recorded in a memorandum account and reviewed for reasonableness by the Public Utilities Commission.

10608.36. Urban wholesale water suppliers shall include in the urban water management plans required pursuant to Part 2.6 (commencing with Section 10610) an assessment of their present and proposed future measures, programs, and policies to help achieve the water use reductions required by this part.

10608.40. Urban water retail suppliers shall report to the department on their progress in meeting their urban water use targets as part of their urban water management plans submitted pursuant to Section 10631. The data shall be reported using a standardized form developed pursuant to Section 10608.52.

10608.42. The department shall review the 2015 urban water management plans and report to the Legislature by December 31, 2016, on progress towards achieving a 20-percent reduction in urban water use by December 31, 2020. The report shall include recommendations on changes to water efficiency standards or urban water use targets in order to achieve

the 20-percent reduction and to reflect updated efficiency information and technology changes.

10608.43. The department, in conjunction with the California Urban Water Conservation Council, by April 1, 2010, shall convene a representative task force consisting of academic experts, urban retail water suppliers, environmental organizations, commercial water users, industrial water users, and institutional water users to develop alternative best management practices for commercial, industrial, and institutional users and an assessment of the potential statewide water use efficiency improvement in the commercial, industrial, and institutional sectors that would result from implementation of these best management practices. The taskforce, in conjunction with the department, shall submit a report to the Legislature by April 1, 2012, that shall include a review of multiple sectors within commercial, industrial, and institutional users and that shall recommend water use efficiency standards for commercial, industrial, and institutional users among various sectors of water use. The report shall include, but not be limited to, the following:

(a) Appropriate metrics for evaluating commercial, industrial, and institutional water use.

(b) Evaluation of water demands for manufacturing processes, goods, and cooling.

(c) Evaluation of public infrastructure necessary for delivery of recycled water to the commercial, industrial, and institutional sectors.

(d) Evaluation of institutional and economic barriers to increased recycled water use within the commercial, industrial, and institutional sectors.

(e) Identification of technical feasibility and cost of the best management practices to achieve more efficient water use statewide in the commercial, industrial, and institutional sectors that is consistent with the public interest and reflects past investments in water use efficiency.

10608.44. Each state agency shall reduce water use on facilities it operates to support urban retail water suppliers in meeting the target identified in Section 10608.16.

Chapter 4. Agricultural Water Suppliers

10608.48. (a) On or before July 31, 2012, an agricultural water supplier shall implement efficient water management practices pursuant to subdivisions (b) and (c).

(b) Agricultural water suppliers shall implement all of the following critical efficient management practices:

(1) Measure the volume of water delivered to customers with sufficient accuracy to comply with subdivision (a) of Section 531.10 and to implement paragraph (2).

(2) Adopt a pricing structure for water customers based at least in part on quantity delivered.

(c) Agricultural water suppliers shall implement additional efficient management practices, including, but not limited to, practices to accomplish all of the following, if the measures are locally cost effective and technically feasible:

(1) Facilitate alternative land use for lands with exceptionally high water duties or whose irrigation contributes to significant problems, including drainage.

(2) Facilitate use of available recycled water that otherwise would not be used beneficially, meets all health and safety criteria, and does not harm crops or soils.

(3) Facilitate the financing of capital improvements for on-farm irrigation systems.

(4) Implement an incentive pricing structure that promotes one or more of the following goals:

(A) More efficient water use at the farm level.

(B) Conjunctive use of groundwater.

(C) Appropriate increase of groundwater recharge.

(D) Reduction in problem drainage.

(E) Improved management of environmental resources.

(F) Effective management of all water sources throughout the year by adjusting seasonal pricing structures based on current conditions.

(5) Expand line or pipe distribution systems, and construct regulatory reservoirs to increase distribution system flexibility and capacity, decrease maintenance, and reduce seepage.

(6) Increase flexibility in water ordering by, and delivery to, water customers within operational limits.

(7) Construct and operate supplier spill and tailwater recovery systems.

(8) Increase planned conjunctive use of surface water and groundwater within the supplier service area.

(9) Automate canal control structures.

(10) Facilitate or promote customer pump testing and evaluation.

(11) Designate a water conservation coordinator who will develop and implement the water management plan and prepare progress reports.

(12) Provide for the availability of water management services to water users. These services may include, but are not limited to, all of the following:

(A) On-farm irrigation and drainage system evaluations.

(B) Normal year and real-time irrigation scheduling and crop evapotranspiration information.

(C) Surface water, groundwater, and drainage water quantity and quality data.

(D) Agricultural water management educational programs and materials for farmers, staff, and the public.

(13) Evaluate the policies of agencies that provide the supplier with water to identify the potential for institutional changes to allow more flexible water deliveries and storage.

(14) Evaluate and improve the efficiencies of the supplier's pumps.

(d) Agricultural water suppliers shall include in the agricultural water management plans required pursuant to Part 2.8 (commencing with Section 10800) a report on which efficient water management practices have been implemented and are planned to be implemented, an estimate of the water use efficiency improvements that have occurred since the last report, and an estimate of the water use efficiency improvements estimated to occur five and 10 years in the future. If an agricultural water supplier determines that an efficient water management practice is not locally cost effective or technically feasible, the supplier shall submit information documenting that determination.

(e) The data shall be reported using a standardized form developed pursuant to Section 10608.52.

(f) An agricultural water supplier may meet the requirements of subdivisions (d) and (e) by submitting to the department a water conservation plan submitted to the United States Bureau of Reclamation that meets the requirements described in Section 10828.

(g) On or before December 31, 2013, December 31, 2016, and December 31, 2021, the department, in consultation with the board, shall submit to the Legislature a report on the agricultural efficient water management practices that have been implemented and are planned to be implemented and an assessment of the manner in which the implementation of those efficient water management practices has affected and will affect agricultural operations, including estimated water use efficiency improvements, if any.

(h) The department may update the efficient water management practices required pursuant to subdivision (c), in consultation with the Agricultural Water Management Council, the United States Bureau of Reclamation, and the board. All efficient water management practices for agricultural water use pursuant to this chapter shall be adopted or revised by the department only after the department conducts public hearings to allow participation of the diverse geographical areas and interests of the state.

(i) (1) The department shall adopt regulations that provide for a range of options that agricultural water suppliers may use or implement to comply with the measurement requirement in paragraph (1) of subdivision (b).

(2) The initial adoption of a regulation authorized by this subdivision is deemed to address an emergency, for purposes of Sections 11346.1 and 11349.6 of the Government Code, and the department is hereby exempted for that purpose from the requirements of subdivision (b) of Section 11346.1 of the Government Code. After the initial adoption of an emergency regulation pursuant to this subdivision, the department shall not request approval from the Office of Administrative Law to readopt the regulation as an emergency regulation pursuant to Section 11346.1 of the Government Code.

Chapter 5. Sustainable Water Management

10608.50. (a) The department, in consultation with the board, shall promote implementation of regional water resources management practices through increased incentives and removal of barriers consistent with state and federal law. Potential changes may include, but are not limited to, all of the following:

(1) Revisions to the requirements for urban and agricultural water management plans.

(2) Revisions to the requirements for integrated regional water management plans.

(3) Revisions to the eligibility for state water management grants and loans.

(4) Revisions to state or local permitting requirements that increase water supply opportunities, but do not weaken water quality protection under state and federal law.

(5) Increased funding for research, feasibility studies, and project construction.

(6) Expanding technical and educational support for local land use and water management agencies.

(b) No later than January 1, 2011, and updated as part of the California Water Plan, the department, in consultation with the board, and with public input, shall propose new statewide targets, or review and update existing statewide targets, for regional water resources management practices, including, but not limited to, recycled water, brackish groundwater desalination, and infiltration and direct use of urban stormwater runoff.

Chapter 6. Standardized Data Collection

10608.52. (a) The department, in consultation with the board, the California Bay-Delta Authority or its successor agency, the State Department of Public Health, and the Public Utilities Commission, shall develop a single standardized water use reporting form to meet the water use information needs of each agency, including the needs of urban water suppliers that elect to determine and report progress toward achieving targets on a regional basis as provided in subdivision (a) of Section 10608.28.

(b) At a minimum, the form shall be developed to accommodate information sufficient to assess an urban water supplier's compliance with conservation targets pursuant to Section 10608.24 and an agricultural water supplier's compliance with implementation of efficient water management practices pursuant to subdivision (a) of Section 10608.48. The form shall accommodate reporting by urban water suppliers on an individual or regional basis as provided in subdivision (a) of Section 10608.28.

CHAPTER 7. FUNDING PROVISIONS

10608.56. (a) On and after July 1, 2016, an urban retail water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.

(b) On and after July 1, 2013, an agricultural water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.

(c) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for achieving the per capita reductions. The supplier may request grant or loan funds to achieve the per capita reductions to the extent the request is consistent with the eligibility requirements applicable to the water funds.

(d) Notwithstanding subdivision (b), the department shall determine that an agricultural water supplier is eligible for a water grant or loan even though the supplier is not implementing all of the efficient water management practices described in Section 10608.48, if the agricultural water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the efficient water management practices. The supplier may request grant or loan funds to implement the efficient water management practices to the extent the request is consistent with the eligibility requirements applicable to the water funds.

(e) Notwithstanding subdivision (a), the department shall determine that an urban retail water supplier is eligible for a water grant or loan even though the supplier has not met the per capita reductions required pursuant to Section 10608.24, if the urban retail water supplier has submitted to the department for approval documentation demonstrating that its entire service area qualifies as a disadvantaged community.

(f) The department shall not deny eligibility to an urban retail water supplier or agricultural water supplier in compliance with the requirements of this part and Part 2.8 (commencing with Section 10800), that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the requirements of this part or Part 2.8 (commencing with Section 10800).

10608.60. (a) It is the intent of the Legislature that funds made available by Section 75026 of the Public Resources Code should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for grants to implement this part. In the allocation of funding, it is the intent of the

Legislature that the department give consideration to disadvantaged communities to assist in implementing the requirements of this part.

(b) It is the intent of the Legislature that funds made available by Section 75041 of the Public Resources Code, should be expended, consistent with Division 43 (commencing with Section 75001) of the Public Resources Code and upon appropriation by the Legislature, for direct expenditures to implement this part.

CHAPTER 8. QUANTIFYING AGRICULTURAL WATER USE EFFICIENCY

10608.64. The department, in consultation with the Agricultural Water Management Council, academic experts, and other stakeholders, shall develop a methodology for quantifying the efficiency of agricultural water use. Alternatives to be assessed shall include, but not be limited to, determination of efficiency levels based on crop type or irrigation system distribution uniformity. On or before December 31, 2011, the department shall report to the Legislature on a proposed methodology and a plan for implementation. The plan shall include the estimated implementation costs and the types of data needed to support the methodology. Nothing in this section authorizes the department to implement a methodology established pursuant to this section.

SEC. 2. Section 10631.5 of the Water Code is amended to read:

10631.5. (a) (1) Beginning January 1, 2009, the terms of, and eligibility for, a water management grant or loan made to an urban water supplier and awarded or administered by the department, state board, or California Bay-Delta Authority or its successor agency shall be conditioned on the implementation of the water demand management measures described in Section 10631, as determined by the department pursuant to subdivision (b).

(2) For the purposes of this section, water management grants and loans include funding for programs and projects for surface water or groundwater storage, recycling, desalination, water conservation, water supply reliability, and water supply augmentation. This section does not apply to water management projects funded by the federal American Recovery and Reinvestment Act of 2009 (Public Law 111-5).

(3) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if the urban water supplier has submitted to the department for approval a schedule, financing plan, and budget, to be included in the grant or loan agreement, for implementation of the water demand management measures. The supplier may request grant or loan funds to implement the water demand management measures to the extent the request is consistent with the eligibility requirements applicable to the water management funds.

(4) (A) Notwithstanding paragraph (1), the department shall determine that an urban water supplier is eligible for a water management grant or loan even though the supplier is not implementing all of the water demand management measures described in Section 10631, if an urban water supplier submits to the department for approval documentation demonstrating that a water demand management measure is not locally cost effective. If the department determines that the documentation submitted by the urban water supplier fails to demonstrate that a water demand management measure is not locally cost effective, the department shall notify the urban water supplier and the agency administering the grant or loan program within 120 days that the documentation does not satisfy the requirements for an exemption, and include in that notification a detailed statement to support the determination.

(B) For purposes of this paragraph, "not locally cost effective" means that the present value of the local benefits of implementing a water demand management measure is less than the present value of the local costs of implementing that measure.

(b) (1) The department, in consultation with the state board and the California Bay-Delta Authority or its successor agency, and after soliciting public comment regarding eligibility requirements, shall develop eligibility requirements to implement the requirement of paragraph (1) of subdivision (a). In establishing these eligibility requirements, the department shall do both of the following:

(A) Consider the conservation measures described in the Memorandum of Understanding Regarding Urban Water Conservation in California, and alternative conservation approaches that provide equal or greater water savings.

(B) Recognize the different legal, technical, fiscal, and practical roles and responsibilities of wholesale water suppliers and retail water suppliers.

(2) (A) For the purposes of this section, the department shall determine whether an urban water supplier is implementing all of the water demand management measures described in Section 10631 based on either, or a combination, of the following:

(i) Compliance on an individual basis.

(ii) Compliance on a regional basis. Regional compliance shall require participation in a regional conservation program consisting of two or more urban water suppliers that achieves the level of conservation or water efficiency savings equivalent to the amount of conservation or savings achieved if each of the participating urban water suppliers implemented the water demand management measures. The urban water supplier administering the regional program shall provide participating urban water suppliers and the department with data to demonstrate that the regional program is consistent with this clause. The department shall review the data to determine whether the urban water suppliers in the regional program are meeting the eligibility requirements.

(B) The department may require additional information for any determination pursuant to this section.

(3) The department shall not deny eligibility to an urban water supplier in compliance with the requirements of this section that is participating in a multiagency water project, or an integrated regional water management plan, developed pursuant to Section 75026 of the Public Resources Code, solely on the basis that one or more of the agencies participating in the project or plan is not implementing all of the water demand management measures described in Section 10631.

(c) In establishing guidelines pursuant to the specific funding authorization for any water management grant or loan program subject to this section, the agency administering the grant or loan program shall include in the guidelines the eligibility requirements developed by the department pursuant to subdivision (b).

(d) Upon receipt of a water management grant or loan application by an agency administering a grant and loan program subject to this section, the agency shall request an eligibility determination from the department with respect to the requirements of this section. The department shall respond to the request within 60 days of the request.

(e) The urban water supplier may submit to the department copies of its annual reports and other relevant documents to assist the department in determining whether the urban water supplier is implementing or scheduling the implementation of water demand management activities. In addition, for urban water suppliers that are signatories to the Memorandum of Understanding Regarding Urban Water Conservation in California and submit biennial reports to the California Urban Water Conservation Council in accordance with the memorandum, the department may use these reports to assist in tracking the implementation of water demand management measures.

(f) This section shall remain in effect only until July 1, 2016, and as of that date is repealed, unless a later enacted statute, that is enacted before July 1, 2016, deletes or extends that date.

SEC. 3. Part 2.8 (commencing with Section 10800) of Division 6 of the Water Code is repealed.

SEC. 4. Part 2.8 (commencing with Section 10800) is added to Division 6 of the Water Code, to read:

PART 2.8. AGRICULTURAL WATER MANAGEMENT PLANNING

CHAPTER 1. GENERAL DECLARATIONS AND POLICY

10800. This part shall be known and may be cited as the Agricultural Water Management Planning Act.

10801. The Legislature finds and declares all of the following:

(a) The waters of the state are a limited and renewable resource.

(b) The California Constitution requires that water in the state be used in a reasonable and beneficial manner.

(c) Urban water districts are required to adopt water management plans.

(d) The conservation of agricultural water supplies is of great statewide concern.

(e) There is a great amount of reuse of delivered water, both inside and outside the water service areas.

(f) Significant noncrop beneficial uses are associated with agricultural water use, including streamflows and wildlife habitat.

(g) Significant opportunities exist in some areas, through improved irrigation water management, to conserve water or to reduce the quantity of highly saline or toxic drainage water.

(h) Changes in water management practices should be carefully planned and implemented to minimize adverse effects on other beneficial uses currently being served.

(i) Agricultural water suppliers that receive water from the federal Central Valley Project are required by federal law to prepare and implement water conservation plans.

(j) Agricultural water users applying for a permit to appropriate water from the board are required to prepare and implement water conservation plans.

10802. The Legislature finds and declares that all of the following are the policies of the state:

(a) The conservation of water shall be pursued actively to protect both the people of the state and the state's water resources.

(b) The conservation of agricultural water supplies shall be an important criterion in public decisions with regard to water.

(c) Agricultural water suppliers shall be required to prepare water management plans to achieve conservation of water.

Chapter 2. Definitions

10810. Unless the context otherwise requires, the definitions set forth in this chapter govern the construction of this part.

10811. "Agricultural water management plan" or "plan" means an agricultural water management plan prepared pursuant to this part.

10812. "Agricultural water supplier" has the same meaning as defined in Section 10608.12.

10813. "Customer" means a purchaser of water from a water supplier who uses water for agricultural purposes.

10814. "Person" means any individual, firm, association, organization, partnership, business, trust, corporation, company, public agency, or any agency of that entity.

10815. "Public agency" means any city, county, city and county, special district, or other public entity.

10816. "Urban water supplier" has the same meaning as set forth in Section 10617.

10817. "Water conservation" means the efficient management of water resources for beneficial uses, preventing waste, or accomplishing additional benefits with the same amount of water.

Chapter 3. Agricultural Water Management Plans

Article 1. General Provisions

10820. (a) An agricultural water supplier shall prepare and adopt an agricultural water management plan in the manner set forth in this chapter on or before December 31, 2012, and shall update that plan on December 31, 2015, and on or before December 31 every five years thereafter.

(b) Every supplier that becomes an agricultural water supplier after December 31, 2012, shall prepare and adopt an agricultural water management plan within one year after the date it has become an agricultural water supplier.

(c) A water supplier that indirectly provides water to customers for agricultural purposes shall not prepare a plan pursuant to this part without the consent of each agricultural water supplier that directly provides that water to its customers.

10821. (a) An agricultural water supplier required to prepare a plan pursuant to this part shall notify each city or county within which the supplier provides water supplies that the agricultural water supplier will be preparing the plan or reviewing the plan and considering amendments or changes to the plan. The agricultural water supplier may consult with, and obtain comments from, each city or county that receives notice pursuant to this subdivision.

(b) The amendments to, or changes in, the plan shall be adopted and submitted in the manner set forth in Article 3 (commencing with Section 10840).

Article 2. Contents of Plans

10825. (a) It is the intent of the Legislature in enacting this part to allow levels of water management planning commensurate with the numbers of customers served and the volume of water supplied.

(b) This part does not require the implementation of water conservation programs or practices that are not locally cost effective.

10826. An agricultural water management plan shall be adopted in accordance with this chapter. The plan shall do all of the following:

(a) Describe the agricultural water supplier and the service area, including all of the following:

(1) Size of the service area.

(2) Location of the service area and its water management facilities.

(3) Terrain and soils.

(4) Climate.

(5) Operating rules and regulations.
(6) Water delivery measurements or calculations.
(7) Water rate schedules and billing.
(8) Water shortage allocation policies.
(b) Describe the quantity and quality of water resources of the agricultural water supplier, including all of the following:
(1) Surface water supply.
(2) Groundwater supply.
(3) Other water supplies.
(4) Source water quality monitoring practices.
(5) Water uses within the agricultural water supplier's service area, including all of the following:
(A) Agricultural.
(B) Environmental.
(C) Recreational.
(D) Municipal and industrial.
(E) Groundwater recharge.
(F) Transfers and exchanges.
(G) Other water uses.
(6) Drainage from the water supplier's service area.
(7) Water accounting, including all of the following:
(A) Quantifying the water supplier's water supplies.
(B) Tabulating water uses.
(C) Overall water budget.
(8) Water supply reliability.
(c) Include an analysis, based on available information, of the effect of climate change on future water supplies.
(d) Describe previous water management activities.
(e) Include in the plan the water use efficiency information required pursuant to Section 10608.48.

10827. Agricultural water suppliers that are members of the Agricultural Water Management Council, and that submit water management plans to that council in accordance with the "Memorandum of Understanding Regarding Efficient Water Management Practices By Agricultural Water Suppliers In California," dated January 1, 1999, may submit the water management plans identifying water demand management measures currently being implemented, or scheduled for implementation, to satisfy the requirements of Section 10826.

10828. (a) Agricultural water suppliers that are required to submit water conservation plans to the United States Bureau of Reclamation pursuant to either the Central Valley Project Improvement Act (Public Law 102-575) or the Reclamation Reform Act of 1982, or both, may submit those water conservation plans to satisfy the requirements of Section 10826, if both of the following apply:
(1) The agricultural water supplier has adopted and submitted the water conservation plan to the United States Bureau of Reclamation within the previous four years.

(2) The United States Bureau of Reclamation has accepted the water conservation plan as adequate.

(b) This part does not require agricultural water suppliers that are required to submit water conservation plans to the United States Bureau of Reclamation pursuant to either the Central Valley Project Improvement Act (Public Law 102-575) or the Reclamation Reform Act of 1982, or both, to prepare and adopt water conservation plans according to a schedule that is different from that required by the United States Bureau of Reclamation.

10829. An agricultural water supplier may satisfy the requirements of this part by adopting an urban water management plan pursuant to Part 2.6 (commencing with Section 10610) or by participation in areawide, regional, watershed, or basinwide water management planning if those plans meet or exceed the requirements of this part.

Article 3. Adoption and Implementation of Plans

10840. Every agricultural water supplier shall prepare its plan pursuant to Article 2 (commencing with Section 10825).

10841. Prior to adopting a plan, the agricultural water supplier shall make the proposed plan available for public inspection, and shall hold a public hearing on the plan. Prior to the hearing, notice of the time and place of hearing shall be published within the jurisdiction of the publicly owned agricultural water supplier pursuant to Section 6066 of the Government Code. A privately owned agricultural water supplier shall provide an equivalent notice within its service area and shall provide a reasonably equivalent opportunity that would otherwise be afforded through a public hearing process for interested parties to provide input on the plan. After the hearing, the plan shall be adopted as prepared or as modified during or after the hearing.

10842. An agricultural water supplier shall implement the plan adopted pursuant to this chapter in accordance with the schedule set forth in its plan, as determined by the governing body of the agricultural water supplier.

10843. (a) An agricultural water supplier shall submit to the entities identified in subdivision (b) a copy of its plan no later than 30 days after the adoption of the plan. Copies of amendments or changes to the plans shall be submitted to the entities identified in subdivision (b) within 30 days after the adoption of the amendments or changes.

(b) An agricultural water supplier shall submit a copy of its plan and amendments or changes to the plan to each of the following entities:

(1) The department.

(2) Any city, county, or city and county within which the agricultural water supplier provides water supplies.

(3) Any groundwater management entity within which jurisdiction the agricultural water supplier extracts or provides water supplies.

(4) Any urban water supplier within which jurisdiction the agricultural water supplier provides water supplies.

(5) Any city or county library within which jurisdiction the agricultural water supplier provides water supplies.

(6) The California State Library.

(7) Any local agency formation commission serving a county within which the agricultural water supplier provides water supplies.

10844. (a) Not later than 30 days after the date of adopting its plan, the agricultural water supplier shall make the plan available for public review on the agricultural water supplier's Internet Web site.

(b) An agricultural water supplier that does not have an Internet Web site shall submit to the department, not later than 30 days after the date of adopting its plan, a copy of the adopted plan in an electronic format. The department shall make the plan available for public review on the department's Internet Web site.

10845. (a) The department shall prepare and submit to the Legislature, on or before December 31, 2013, and thereafter in the years ending in six and years ending in one, a report summarizing the status of the plans adopted pursuant to this part.

(b) The report prepared by the department shall identify the outstanding elements of any plan adopted pursuant to this part. The report shall include an evaluation of the effectiveness of this part in promoting efficient agricultural water management practices and recommendations relating to proposed changes to this part, as appropriate.

(c) The department shall provide a copy of the report to each agricultural water supplier that has submitted its plan to the department. The department shall also prepare reports and provide data for any legislative hearing designed to consider the effectiveness of plans submitted pursuant to this part.

(d) This section does not authorize the department, in preparing the report, to approve, disapprove, or critique individual plans submitted pursuant to this part.

Chapter 4. Miscellaneous Provisions

10850. (a) Any action or proceeding to attack, review, set aside, void, or annul the acts or decisions of an agricultural water supplier on the grounds of noncompliance with this part shall be commenced as follows:

(1) An action or proceeding alleging failure to adopt a plan shall be commenced within 18 months after that adoption is required by this part.

(2) Any action or proceeding alleging that a plan, or action taken pursuant to the plan, does not comply with this part shall be commenced within 120 days after submitting the plan or amendments to the plan to entities in accordance with Section 10844 or the taking of that action.

(b) In an action or proceeding to attack, review, set aside, void, or annul a plan, or an action taken pursuant to the plan by an agricultural water supplier, on the grounds of noncompliance with this part, the inquiry shall extend only to whether there was a prejudicial abuse of discretion. Abuse

of discretion is established if the agricultural water supplier has not proceeded in a manner required by law, or if the action by the agricultural water supplier is not supported by substantial evidence.

10851. The California Environmental Quality Act (Division 13 (commencing with Section 21000) of the Public Resources Code) does not apply to the preparation and adoption of plans pursuant to this part. This part does not exempt projects for implementation of the plan or for expanded or additional water supplies from the California Environmental Quality Act.

10852. An agricultural water supplier is not eligible for a water grant or loan awarded or administered by the state unless the supplier complies with this part.

10853. No agricultural water supplier that provides water to less than 25,000 irrigated acres, excluding recycled water, shall be required to implement the requirements of this part or Part 2.55 (commencing with Section 10608) unless sufficient funding has specifically been provided to that water supplier for these purposes.

SEC. 5. This act shall take effect only if Senate Bill 1 and Senate Bill 6 of the 2009–10 Seventh Extraordinary Session of the Legislature are enacted and become effective.

O

APPENDIX C

NOTIFICATION MEMORANDA

CITY OF GLENDORA CITY HALL (626) 914-8200
116 East Foothill Blvd., Glendora, California 91741
www.ci.glendora.ca.us

February 18, 2011

Registrar Recorder/County Clerk
County of Los Angeles
12400 Imperial Highway
Norwalk, CA 90650

Subject: **Urban Water Management Plan 2010 Update**

Dear Registrar Recorder/County Clerk:

The Urban Water Management Planning Act requires every "urban water supplier"[1] to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years on or before December 31, in years ending in five and zero. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. The City of Glendora is currently in the process of preparing the 2010 update to its UWMP.

As an urban water supplier, the City of Glendora is required pursuant to Section 10620(d)(2) of the UWMP Act to coordinate with water management agencies, relevant public agencies and other water suppliers in the preparation of the UWMP. The City of Glendora will be reviewing the UWMP and will make amendments and changes, as appropriate. The City of Glendora invites you to submit comments in anticipation of the development of our 2010 UWMP.

Please provide written comments within the next 15 days but **no later than March 9, 2011** to:

City of Glendora
Steve Patton, Water Division Manager
116 E. Foothill Boulevard
Glendora, CA 91741

If you have any questions or concerns, please contact me at (626) 914-8249.

Sincerely,

Steve Patton
Water Division Manager

SP/jk

cc: Stetson Engineers, Inc.

[1] Section 10617 of the Urban Water Management Planning Act states, "Urban Water Supplier" means a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually.

CITY OF GLENDORA CITY HALL (626) 914-8200
116 East Foothill Blvd., Glendora, California 91741
www.ci.glendora.ca.us

February 18, 2011

Ms. Carol Williams
Main San Gabriel Basin Watermaster
725 North Azusa Avenue
Azusa, CA 91702

Subject: **Urban Water Management Plan 2010 Update**

Dear Ms. Williams:

The Urban Water Management Planning Act requires every "urban water supplier"[1] to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years on or before December 31, in years ending in five and zero. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. The City of Glendora is currently in the process of preparing the 2010 update to its UWMP.

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CITY OF GLENDORA CITY HALL (626) 914-8200
116 East Foothill Blvd., Glendora, California 91741
www.ci.glendora.ca.us

February 18, 2011

Mr. Shane Chapman
Upper San Gabriel Valley
Municipal Water District
11310 Valley Boulevard
El Monte, CA 91731

Subject: **Urban Water Management Plan 2010 Update**

Dear Mr. Chapman:

The Urban Water Management Planning Act requires every "urban water supplier"[1] to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years on or before December 31, in years ending in five and zero. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. The City of Glendora is currently in the process of preparing the 2010 update to its UWMP.

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CITY OF GLENDORA CITY HALL (626) 914-8200
116 East Foothill Blvd., Glendora, California 91741
www.ci.glendora.ca.us

February 18, 2011

Mr. Richard Hansen
Three Valleys Municipal Water District
1021 East Miramar Avenue
Claremont, CA 91711

Subject: **Urban Water Management Plan 2010 Update**

Dear Mr. Hansen:

The Urban Water Management Planning Act requires every "urban water supplier"[1] to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years on or before December 31, in years ending in five and zero. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. The City of Glendora is currently in the process of preparing the 2010 update to its UWMP.

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CITY OF GLENDORA CITY HALL (626) 914-8200
116 East Foothill Blvd., Glendora, California 91741
www.ci.glendora.ca.us

February 18, 2011

Mr. David de Jesus
Covina Irrigating Company
125 East College Street
Covina, CA 92428

Subject: **Urban Water Management Plan 2010 Update**

Dear Mr. de Jesus:

The Urban Water Management Planning Act requires every "urban water supplier"[1] to prepare and adopt an Urban Water Management Plan (UWMP) and periodically update that plan at least once every five years on or before December 31, in years ending in five and zero. The UWMP is a planning document and a source document to direct urban water suppliers to evaluate and compare their water supply and reliability to their existing water conservation efforts. The City of Glendora is currently in the process of preparing the 2010 update to its UWMP.

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APPENDIX D

NOTICE OF PUBLIC HEARING

NOTICE OF PUBLIC HEARING
GLENDORA CITY COUNCIL

NOTICE IS HEREBY GIVEN that the City Council; will hold a public hearing in the City Council Chambers of City Hall, 116 E. Foothill Boulevard, Glendora, California, on Tuesday, October 25, 2011 at 7:00 p.m. to receive and consider all evidence and reports relative to the adoption of the 2010 Urban Water Management Plan (UWMP) update.

All interested parties are invited to attend said hearing and express their views on this matter. Should you be unable to attend the public hearing, your comments must be made in writing and delivered to the City Clerk prior to the scheduled hearing date. Related documents are on file for public inspection and copying for the cost of duplication at the Office of the City Clerk, 116 E. Foothill Blvd, Glendora, California, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, exclusive of holidays.

Further Information on the above application may be obtained or viewed at the Department of Public Works, located at 116 E. Foothill Blvd, Glendora, CA or by telephone at (626) 852-4838.

If you challenge this action(s) in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the Department of Public Works at, or prior to, the public hearing"

Kathleen R. Sessman, City Clerk
Publish in the San Gabriel Valley Examiner on October 6 and 13, 2011.

NOTICE OF PUBLIC HEARING
GLENDORA CITY COUNCIL

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Kathleen R. Sessman, City Clerk
Publish in the San Gabriel Valley Examiner on October 6 and 13, 2011.

I, Kathleen R. Sessman, City Clerk of the City of Glendora, hereby certify that I posted a copy of this Notice on the bulletin board outside the City Hall Council Chamber, 116 E. Foothill Boulevard, at 10:00 a.m. on October 5, 2011.

_____

Kathleen R. Sessman, City Clerk

City Updates

2010 Urban Water Management Plan - Review Draft
Posted Date: 9/20/2011

Click here for the 2010 Urban Water Management Plan - Review Draft

AGENDA

CITY OF GLENDORA

CITY COUNCIL
COMMUNITY REDEVELOPMENT AGENCY
REGULAR JOINT MEETING 7:00 PM

TUESDAY, OCTOBER 25, 2011
CITY HALL COUNCIL CHAMBERS
116 E. FOOTHILL BLVD

Douglas F. Tessitor, Mayor/Chair
Gene Murabito, Pro Tem/Vice-Chair
Karen K. Davis, Council/Board Member
Judy M. Nelson, Council/Board Member
Joe Santoro, Council/Board Member

PLEASE TURN OFF CELL PHONES AND PAGERS WHILE MEETING IS IN PROGRESS

PUBLIC COMMENT

*he public is encouraged to address the City ouncil/Community Redevelopment Agency (CRA) on any atter posted on the agenda or on any other matter within its risdiction. If you wish to address the City Council/CRA, you ay do so during the **PUBLIC COMMENT** period noted on e agenda. Each person is allowed three (3) minutes speaking me.*

ursuant to provisions of the Brown Act, no action may be ken on a matter unless it is listed on the agenda, or unless ertain emergency or special circumstances exist. The City ouncil/CRA may direct staff to investigate and/or schedule ertain matters for consideration at a future City Council/CRA eeting.

AMERICANS WITH DISABILITIES ACT

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk's Office, (626) 914-8212 no later than 72 hours prior to the meeting. (28 CFR 34.102.104 ADA TITLE II)

***PLEASE NOTE:** Copies of staff reports and supporting documentation pertaining to each item on this agenda are available for public viewing and inspection at City Hall, in the City Clerk's office during regular business hours, Glendora Public Library and on the City's website www.ci.glendora.ca.us. For further information, please contact the office of the City Clerk at (626) 914-8210, or via e-mail at ksessman@ci.glendora.ca.us.*

DOCUMENTS DISTRIBUTED FOLLOWING THE POSTING OF THE AGENDA

ny writing that relates to an agenda item for an open session that is distributed within 72 hours of the meeting is vailable for public inspection at the City Clerk's Office, 116 E. Foothill Blvd., Glendora.

AGENDA

REGULAR JOINT MEETING
of the
CITY OF GLENDORA

CITY COUNCIL
COMMUNITY REDEVELOPMENT AGENCY

TUESDAY, OCTOBER 25, 2011
CITY HALL COUNCIL CHAMBERS, 116 E. FOOTHILL BLVD

7:00 PM REGULAR JOINT MEETING

PRELIMINARY BUSINESS

CALL TO ORDER

ROLL CALL

INVOCATION AND PLEDGE OF ALLEGIANCE

Invocation by Reverend Doug Hodson, Senior Pastor of Glendora United Methodist Church.

Pledge of Allegiance

SPECIAL ITEMS

Proclamation proclaiming November 5, 2011 as "Play Day" in the City of Glendora.

Community Services Commissioners Paul Lopez, Tony Miller, Cory Autry, Nicholle Brang, and Linda Hermann will be present to accept the proclamation.

Proclamation proclaiming November 2011 as "Holiday Basket Season."

Linda Hermann, President of Glendora Coordinating Council, will be present to accept proclamation.

Proclamation proclaiming October 24-28, 2011, as "Red Ribbon Week."

Kory Maples, Whitcomb High School Student representative on the Coordinated School Health Advisory Committee, will be present to accept proclamation.

STUDENT REPORTS

Erin Snoke, St. Lucy's Priory High School Student Representative

Rebecca Kurtz, Charter Oak High School Student Representative

Genna Bowen, Glendora High School Student Representative

PUBLIC COMMENT

Three (3) Minute speaking time limit
Public Comments cards are on the counter in the lobby.

Public comment shall conform to the protocol established in City Council Resolution No. 04-17/CRA Resolution No. 07-003, the highlights of which are listed below: Any person may request to address the City Council/CRA by submitting to the City Clerk a Speakers Request form asking to address the Council/Agency and stating the topic to be addressed. Speakers Request forms shall be available at the Council Chambers throughout the meeting.

Under the agenda item "Public Comment", the Mayor/Chair may recognize any person desiring to address the City Council/CRA concerning any subsequent item calendared for action or discussion at that meeting or on any matter within the jurisdiction of the City Council/CRA. Public comment may also be given when an item is scheduled for consideration. Comments on Consent Calendar items should be made during the Public Comment Period. The Public Comment Period is limited to 30 minutes. Each speaker shall be limited to three minutes unless, upon motion, such time is extended by the Council/Agency.

Any person given permission to address the Council/Agency shall advance to the rostrum and state his/her name and the subject matter he/she wishes to discuss. All remarks shall be addressed to the Council/Agency as a body and not to any member thereof. No question shall be asked of a Council Member/Agency Member or a member of the staff, except through the presiding officer.

CITY COUNCIL REPORTS AND STATEMENTS

REORDERING OF AND ADDITIONS TO THE AGENDA

PUBLIC HEARINGS

Following the staff report, the applicant/appellant will be allowed ten minutes in which to make a presentation. The public hearing will then be opened. Testimony by proponents shall be limited to three minutes per speaker and to a total of 15 minutes. Testimony by opponents shall be limited to three minutes per speaker and to a total of 15 minutes. The Mayor may permit a five minute summation by a representative of proponents, followed by a five minute summation by a representative of opponents. The public hearing will then be closed and no member of the public shall be allowed to speak further without consent of the Mayor. Any person desiring to speak to a Public Hearing item shall make his/her presence known to the Mayor. Speaker cards are available in the lobby. Speakers are entitled to submit written or other graphic evidence. All such evidence presented shall be retained by the City Clerk as part of the Clerk's record.

PLEASE NOTE: If you challenge the any of the proposed action(s) in court, you may be limited to raising only those issues you or someone else raised at the public hearing described in this notice, or in written correspondence delivered to the City Council at, or prior to, the public hearing.

1. Public Hearing and Resolution Adopting the City of Glendora 2010 Urban Water Management Plan (UWMP).(CITY ACTION)

Public Works to report.

CITY RECOMMENDATION: Conduct the public hearing and in the absence of evidence and testimony to the contrary, consider the following: a) Waive full reading, read by title only and adopt Resolution entitled: A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GLENDORA, CALIFORNIA, ADOPTING THE 2010 URBAN WATER MANAGEMENT PLAN AND DIRECTING THE FILING AND IMPLEMENTATION OF THE PLAN; b) Direct the City Clerk to publish resolution as

required; and c) Authorize staff to file the 2010 Urban Water Management Plan with the State of California Department of Water Resources.

CONSENT CALENDAR

Items on the Consent Calendar will be enacted by one motion without individual discussion. There will be no separate discussion of these items unless a member of the City Council requests specific item(s) be removed from the Consent Calendar for separate action. Items removed from the Consent Calendar will be considered after the regular items. Anyone wishing to address a Consent Calendar item should do so during the Public Comment Period.

2. City Council and Community Redevelopment Agency Minutes (CITY/AGENCY ACTION)

CITY/AGENCY RECOMMENDATION: Approve minutes as presented: a) April 29, 2010 Special City Council meeting minutes.

3. Warrants and Demands (CITY/AGENCY ACTION)

CITY/AGENCY RECOMMENDATION: Approve warrants as presented: a) General Warrant Register dated 10/7/2011 in the amount of $458,284.52. b) Payroll Wire Transfer P/E 10/02/2011 dated 10/7/2011 in the amount of $634,549.68. c) General Warrant Register dated 10/14/2011 in the amount of $407,001.37.

4. Property Transfer Agreement between the City of Glendora and Church of the Open Door.(CITY ACTION)

CITY RECOMMENDATION: Authorize the Mayor to execute the Property Transfer Agreement with Church of the Open Door.

5. Purchase of 800KW Emergency Generator for the Civic Center complex, Plan #1086. (CITY ACTION)

CITY RECOMMENDATION: a) Award contract to Global Power Group, Inc of Lakeside California, in the amount of $248,821 for the purchase of an 800KW paralleling emergency generator system to be installed at the city hall complex; and b) Authorize the Mayor to sign the agreement.

6. City and Agency Investment Reports at September 30, 2011.(CITY/AGENCY ACTION)

CITY/AGENCY RECOMMENDATION: Receive and file Investment Reports at September 30, 2011.

7. Cancellation of the December 27, 2011 City Council and Community Redevelopment Agency (CRA) Regular Joint Meeting.(CITY/AGENCY ACTION)

CITY/AGENCY RECOMMENDATION: Cancel the December 27, 2011 Regularly Scheduled Joint City Council and CRA meeting.

8. Second Reading and Adoption of a Zone Amendment (ZA11-05), amending the Glendora Commercial Specific Plan increasing the size of drive-through uses and

number of monument signs for the Glendora Marketplace.(CITY ACTION)

CITY RECOMMENDATION: Waive full reading, read by title only, and adopt on second reading Ordinance No. 1951 entitled, "AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF GLENDORA, CALIFORNIA, AMENDING THE GLENDORA COMMERCIAL SPECIFIC PLAN (GLENDORA MUNICIPAL CODE CHAPTER 21.08) FOR THE GLENDORA MARKETPLACE INCREASING THE SIZE OF DRIVE-THROUGH USES AND NUMBER OF MONUMENT SIGNS."

9. Memorandum of Understanding between the City of Glendora and the Glendora Municipal Employees Association for the two year term of July 1, 2011 through June 30, 2013.(CITY ACTION)

CITY RECOMMENDATION: Waive full reading, read by title only and adopt a Resolution entitled, "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GLENDORA, CALIFORNIA, APPROVING A 2011 – 2013 MEMORANDUM OF UNDERSTANDING WITH THE GLENDORA MUNICIPAL EMPLOYEES ASSOCIATION."

10. Appropriation from Capital Projects Fund reserves to complete parking lot improvements at the Teen Center.(CITY ACTION)

CITY RECOMMENDATION: Appropriate $6,600 from Capital Projects Fund reserves for slurry sealing and striping of the Teen Center parking lot.

11. Financial Performance Reports at September 30, 2011.(CITY/AGENCY ACTION)

CITY/AGENCY RECOMMENDATION: Receive and file Financial Performance Reports as of September 30, 2011.

UNFINISHED BUSINESS

12. Presentation of an update on the City of Glendora Strategic Plan.(CITY ACTION)

City Manager to report.

CITY RECOMMENDATION: Receive and file strategic plan update as presented.

NEW BUSINESS - NONE

COUNCIL/AGENCY/STAFF ITEMS

CLOSED SESSION

13. CLOSED SESSION–PUBLIC EMPLOYEE PERFORMANCE EVALUATION (pursuant to Government Code §54957)
Title: City Manager

RECONVENE OPEN SESSION AND ANNOUNCE ANY ACTION TAKEN

ADJOURNMENT

I hereby certify under penalty of perjury under the laws of the State of California, that the foregoing agenda was posted on the City Hall bulletin board at 116 E. Foothill Boulevard not less than 72 hours prior to the meeting in accordance with Government Code Section 54954.2. Dated this 21st day of October, 2011.

Kathleen R. Sessman, CMC
City Clerk/Agency Secretary

APPENDIX E

RESOLUTION ADOPTING PLAN

City of Glendora
City Council and Community
Redevelopment Agency Minutes

Tuesday, October 25, 2011
City Council Chambers
116 E. Foothill Boulevard
Glendora, CA 91741

CALL TO ORDER

Mayor/Chair Tessitor called the **REGULAR JOINT MEETING** of the City Council and Community Redevelopment Agency (CRA) of the City of Glendora to order at 7:00 p.m.

ROLL CALL

Council/Agency Members present: Karen K. Davis, Judy M. Nelson, Joe Santoro, Mayor Pro Tem/Vice-Chair Gene Murabito, and Mayor/Chair Douglas F. Tessitor.

Council/Agency Members Absent: None

Staff members present: City Manager/Executive Director Chris Jeffers, City/Agency Attorney D. Wayne Leech, Police Chief Robert Castro, Public Works Director Dave Davies, Planning and Redevelopment Director Jeff Kugel, Finance Director Josh Betta, Community Services Director La Shawn Butler, and City Clerk/Agency Secretary Kathleen Sessman.

INVOCATION AND PLEDGE OF ALLEGIANCE

The Invocation was given by Rev. Doug Hodson, Senior Pastor of Glendora United Methodist Church.

The Pledge of Allegiance was led by Council/Agency Member Davis.

SPECIAL ITEMS

A proclamation proclaiming November 5, 2011 as "Play Day" in the City of Glendora was read into the record and presented by Mayor Pro Tem/Vice-Chair Murabito to Community Services Commissioners Paul Lopez, Tony Miller, Cory Autry, Nicholle Brang, and Linda Hermann.

A proclamation proclaiming November 2011 as "Holiday Basket Season" was read into the record and presented by Council/Agency Member Santoro to Linda Hermann, President of the Glendora Coordinating Council.

A proclamation proclaiming October 24-28, 2011 as "Red Ribbon Week" was read into the record and presented by Council/Agency Member Nelson to Kory Maples, Whitcomb High School Student Representative on the Coordinated School Health Advisory Committee.

STUDENT REPORTS

The student report from St. Lucy's Priory was presented by Student Representative Erin Snoke.

The student report from Charter Oak High School was presented by Student Representative Rebecca Kurtz.

The student report from Glendora High School was presented by Student Representative Genna Bowen.

PUBLIC COMMENT

Mayor/Chair Tessitor **OPENED** the Public Comment period.

Ed Brubaker, a resident of Glendora, commented on a Gold Line meeting he had attending and the alleged action of various City Council Members and expressed his desire to see them censored and removed from the City Council.

Mark Smith, a resident of Glendora, commented on a proposed subdivision. In closing, he commented on agenda item #9 and expressed his disapproval of terms and conditions of the Memorandum of Understanding (MOU) between the City and Glendora Municipal Employees Association (GMEA).

expertise to evaluate these kinds of issues for the City of Glendora, and that for the City to inject itself into additional regulation of this business or any business, given that level of control and oversight, would not be a wise use of the City's limited funds. In closing, he pointed out that "public comment" is an exercise of one of our most precious rights - freedom of speech, and that unfortunately, these comments do not have to be accurate, truthful or factual, they don't have to be in good taste, and can be as inflammatory as the speaker wishes.

REORDERING OF AND ADDITIONS TO THE AGENDA - NONE

PUBLIC HEARINGS

1. Public Hearing and Resolution Adopting the City of Glendora 2010 Urban Water Management Plan (UWMP). (CITY ACTION)

The staff report was presented by Public Works Director Davies.

Mayor Tessitor **OPENED** the public hearing.

Mark Smith, a resident of Glendora, commented on the water-reduction measures taken over the past couple of years and expressed his concern with the water-management plan being considered tonight.

There was no one else wishing to speak, therefore, Mayor Tessitor **CLOSED** the public hearing.

City Council Members thanked city staff for the presentation of such an inclusive and thorough report.

A motion was made by Council Member Davis, seconded by Mayor Pro Tem Murabito, to: a) Waive full reading, read by title only and adopt **Resolution No. 2011-53** entitled: A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GLENDORA, CALIFORNIA, ADOPTING THE 2010 URBAN WATER MANAGEMENT PLAN AND DIRECTING THE FILING AND IMPLEMENTATION OF THE PLAN; b) Direct the City Clerk to publish resolution as required; and c) Authorize staff to file the 2010 Urban Water Management Plan with the State of California Department of Water Resources.

The motion carried 5 - 0 as follows: AYES: Davis, Nelson, Santoro, Murabito and Tessitor: NOES: None; ABSENT: None; ABSTAIN: None.

CONSENT CALENDAR

Council/Agency Members Santoro and Nelson announced their abstentions from Agenda Item #2 as they were not on the City Council at that time.

Council/Agency Member Nelson pulled Agenda Items #9 and #10 for discussion.

A motion was made by Council/Agency Member Davis, seconded by Council/Agency Member Nelson, to approve Consent Calendar Items #2 – #10 with the exception of Agenda Items #9 and #10 which was pulled for discussion and noting City/Agency Members Nelson's and Santoro's abstentions from Agenda Item #2.

The motion carried 5 - 0 as follows: AYES: Davis, Nelson, Santoro, Murabito and Tessitor: NOES: None; ABSENT: None; ABSTAIN: None.

2. City Council and Community Redevelopment Agency Minutes. (CITY/AGENCY ACTION)

   The City Council and Community Redevelopment Agency approved minutes as presented:
   a) April 29, 2010 Special City Council meeting minutes.

3. Warrants and Demands. (CITY/AGENCY ACTION)

   The City Council and Community Redevelopment Agency approved warrants as presented:
   a) General Warrant Register dated 10/7/2011 in the amount of $458,284.52.
   b) Payroll Wire Transfer P/E 10/02/2011 dated 10/7/2011 in the amount of $634,549.68.
   c) General Warrant Register dated 10/14/2011 in the amount of $407,001.37.

4. Property Transfer Agreement between the City of Glendora and Church of the Open Door. (CITY ACTION)

   The City Council authorized the Mayor to execute the Property Transfer Agreement with Church of the Open Door.

5. Purchase of 800KW Emergency Generator for the Civic Center complex, Plan #1086. (CITY ACTION)

   The City Council: a) Awarded contract to Global Power Group, Inc. of Lakeside, California, in the amount of $248,821 for the purchase of an 800KW paralleling emergency generator system to be installed at the city hall complex; and b) Authorized the Mayor to sign the agreement.

6. City and Agency Investment Reports at September 30, 2011. (CITY/AGENCY ACTION)

   The City Council and Community Redevelopment Agency received and filed Investment Reports at September 30, 2011.

7. Cancellation of the December 27, 2011 City Council and Community Redevelopment Agency (CRA) Regular Joint Meeting. (CITY/AGENCY ACTION)

   The City Council and Community Redevelopment Agency cancelled the December 27, 2011 Regularly Scheduled Joint City Council and Community Redevelopment Agency Meeting.

8. Second Reading and Adoption of a Zone Amendment (ZA11-05), amending the Glendora Commercial Specific Plan increasing the size of drive-through uses and number of monument signs for the Glendora Marketplace. (CITY ACTION)

   The City Council waived full reading, read by title only, and adopted on second reading **Ordinance No. 1951** entitled, "AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF GLENDORA, CALIFORNIA, AMENDING THE GLENDORA COMMERCIAL SPECIFIC PLAN (GLENDORA MUNICIPAL CODE CHAPTER 21.08) FOR THE GLENDORA MARKETPLACE INCREASING THE SIZE OF DRIVE-THROUGH USES AND NUMBER OF MONUMENT SIGNS."

10. Appropriation from Capital Projects Fund reserves to complete parking lot improvements at the Teen Center. (CITY ACTION)

    The City Council appropriated $6,600 from Capital Projects Fund reserves for slurry sealing and striping of the Teen Center parking lot.

CONSENT CALENDAR ITEMS PULLED FOR DISCUSSION

9. Memorandum of Understanding between the City of Glendora and the Glendora Municipal Employees Association for the two-year term of July 1, 2011 through June 30, 2013. (CITY ACTION)

In response to a request by Council Member Nelson, Interim Human Resources Director Blackwood thanked the Glendora Municipal Employees Association (GMEA) for the willingness to work with the City and outlined the details of the new contract.

City Council Members expressed their appreciation to the Glendora Municipal Employees Association (GMEA) for their willingness to work with the City during these hard economic times.

A motion was made by Mayor Pro Tem Murabito, seconded by Council Member Santoro, to waive full reading, read by title only and adopt **Resolution No. 2011-54** entitled, "A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF GLENDORA, CALIFORNIA, APPROVING A 2011–2013 MEMORANDUM OF UNDERSTANDING WITH THE GLENDORA MUNICIPAL EMPLOYEES ASSOCIATION."

The motion carried 5 - 0 as follows: AYES: Davis, Nelson, Santoro, Murabito and Tessitor: NOES: None; ABSENT: None; ABSTAIN: None.

11. Financial Performance Reports at September 30, 2011. (CITY/AGENCY ACTION)

In response to a request by Council/Agency Member Nelson, Finance Director Betta provided a brief staff report.

Council/Agency Member Nelson commented on the economy and the City's financial status.

Council/Agency Member Santoro thanked City staff for a great report.

A motion was made by Council/Agency Member Davis, seconded by Mayor Pro Tem/Vice Chair Murabito, to receive and file the Financial Performance Reports at September 30, 2011 as presented.

The motion carried 5 - 0 as follows: AYES: Davis, Nelson, Santoro, Murabito and Tessitor: NOES: None; ABSENT: None; ABSTAIN: None.

UNFINISHED BUSINESS

12. Presentation of an update on the City of Glendora Strategic Plan. (CITY ACTION)

The staff report and PowerPoint presentation were given by City Manager Jeffers.

Mayor Tessitor **OPENED** the Public Comment period. There was no one wishing to speak, therefore, Mayor Tessitor **CLOSED** the Public Comment period.

A motion was made by Council Member Davis, seconded by Council Member Nelson, to receive and file the strategic plan update as presented.

The motion carried 5 - 0 as follows: AYES: Davis, Nelson, Santoro, Murabito and Tessitor: NOES: None; ABSENT: None; ABSTAIN: None.

NEW BUSINESS - NONE

COUNCIL/AGENCY/STAFF ITEMS

Mayor Pro Tem/Vice-Chair Murabito requested that staff take a look at the property at the southwest corner of Grand Avenue and Route 66. He acknowledged that said property is not owned by the City, but it is in pretty bad shape, expressed his desire to see it improved, and asked what leverage could be put on the owners to get them to clean up the property.

In response to concerns expressed by Mayor Pro Tem/Vice Chair Murabito, Mayor/Chair Tessitor commented on complaints received about the landscaping at the Marketplace and Diamond Ridge and requested that staff provide an update on that situation. In response, City Manager/Executive Director Jeffers provided a brief overview and stated that the property owner of Diamond Ridge has been cited by Code Enforcement for various violations and that City staff is working with the property owner to get them to maintain the center better.

Council/Agency Member Santoro expressed his desire to schedule for a future meeting a discussion on the maintenance of vacant properties.

City Manager/Executive Director Jeffers wished Council/Agency Member Davis a Happy Birthday. He reminded residents that Monday, October 31, 2011 is Halloween and children will be out trick-or-treating and participating in various Halloween events, so please remember to drive carefully. He announced The Annual Halloween Stroll on Monday, October 31, 2011 from 10:00 a.m. to 2:00 p.m. in the Downtown Village and at City Hall; and the Centennial Carnival on November 4-6, 2011 at Louie Pompei Park. In closing, City Manager/Executive Director Jeffers stated for clarification purposes that one of the speakers had repeatedly inferred during public comment that her eviction trial and appeal is a question of actions by the City of Glendora. He stated that the City of Glendora is not a party to her trial at all; rather it is a trial of question between her and the management company of the senior housing community on Glendora Avenue.

Mayor/Chair Tessitor repeated his prior comments that "public comments" don't have to be accurate, truthful or factual; they don't have to be in good taste, and can be as inflammatory as the speaker wishes.

CLOSED SESSION

City/Agency Attorney Leech read the **CLOSED SESSION** title into the record as presented.

Mayor/Chair Tessitor recessed the meeting to Closed Session at 8:43 p.m.

13. **CLOSED SESSION–PUBLIC EMPLOYEE PERFORMANCE EVALUATION (pursuant to Government Code §54957)**
Title: City Manager/Executive Director

RECONVENE OPEN SESSION AND ANNOUNCE ANY ACTION TAKEN

Mayor/Chair Tessitor reconvened the meeting into open session at 9:00 p.m. City/Agency Attorney Leech announced there was no reportable action taken and there was nothing further to report.

ADJOURNMENT

Mayor/Chair Tessitor adjourned the meeting at 9:00 p.m.

Kathleen R. Sessman, CMC
City Clerk/Agency Secretary

Minutes approved by the City Council and Community Redevelopment Agency on November 8, 2011.

APPENDIX F

LONG BEACH JUDGMENT

Superior Court of the State of California
For the County of Los Angeles

BOARD OF WATER COMMISSIONERS OF THE CITY OF LONG BEACH, et al., *Plaintiffs* vs. SAN GABRIEL VALLEY WATER COMPANY, et al., *Defendants*	**No. 722647** **SETTLEMENT DOCUMENTS**

STIPULATION FOR JUDGMENT
JUDGMENT
MAP OF WHITTIER NARROWS
ENGINEERING APPENDIX
REIMBURSEMENT CONTRACT

Approved by Joint Negotiating Committees July 6, 1964.

EXHIBIT NO. 7

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

BOARD OF WATER COMMISSIONERS OF THE CITY OF LONG BEACH, a municipal corporation; CENTRAL BASIN MUNICIPAL WATER DISTRICT, a municipal water district; and CITY OF COMPTON, a municipal corporation, Plaintiffs, vs. SAN GABRIEL VALLEY WATER COMPANY, a corporation; AZUSA AGRICULTURAL WATER COMPANY, a corporation; AZUSA VALLEY WATER COMPANY, a corporation; CALIFORNIA WATER & TELEPHONE COMPANY, a corporation; THE COLUMBIA LAND AND WATER COMPANY, a corporation; COVINA IRRIGATING COMPANY, a corporation; CROSS WATER COMPANY, a corporation; DUARTE WATER COMPANY, a corporation; EAST PASADENA WATER CO. LTD., a corporation; GLENDORA IRRIGATING COMPANY, a corporation; SAN DIMAS WATER COMPANY, a corporation; SOUTHERN CALIFORNIA WATER COMPANY, a corporation; SUBURBAN WATER SYSTEMS, a corporation; SUNNY SLOPE WATER CO., a corporation; VALLECITO WATER CO., a corporation; CITY OF ALHAMBRA, a municipal corporation; CITY OF ARCADIA, a municipal corporation; CITY OF AZUSA, a municipal corporation; CITY OF COVINA, a municipal corporation; CITY OF EL MONTE, a municipal corporation; CITY OF GLENDORA, a municipal corporation; CITY OF MONROVIA, a municipal corporation; CITY OF MONTEREY PARK, a municipal corporation; CITY OF SOUTH PASADENA, a municipal corporation; BALDWIN PARK COUNTY WATER DISTRICT, a county water district; and SAN GABRIEL COUNTY WATER DISTRICT, a county water district, Defendants, UPPER SAN GABRIEL VALLEY MUNICIPAL WATER	NO. 722,647 STIPULATION FOR JUDGMENT

DISTRICT, a municipal water district, and CALIFORNIA DOMESTIC WATER COMPANY, a corporation,

Intervenors.

Plaintiffs Central Basin Municipal Water District, a municipal water district (herein sometimes referred to as Central Municipal); City of Long Beach, a municipal corporation, acting by and through the Board of Water Commissioners of the City of Long Beach; and City of Compton, a municipal corporation; and defendants City of Alhambra, a municipal corporation; City of Arcadia, a municipal corporation; City of Azusa, a municipal corporation; Azusa Agricultural Water Company, a corporation, sued herein as DOE 1; Azusa Valley Water Company, a corporation, for itself and as successor by merger to Azusa Irrigating Company, a corporation; Baldwin Park County Water District, a county water district; California Water and Telephone Company, a corporation; Columbia Land and Water Company, a corporation; City of Covina, a municipal corporation; Covina Irrigating Company, a corporation; Cross Water Company, a corporation, sued herein as DOE 2; Duarte Water Company (formerly Duarte Domestic Water Company), a corporation; East Pasadena Water Company, Ltd., a corporation, for itself and as successor by merger to California-Michigan Land and Water Company, a corporation; City of El Monte, a municipal corporation; City of Glendora, a municipal corporation; Glendora Irrigating Company, a corporation; City of Monrovia, a municipal corporation; City of Monterey Park, a municipal corporation; San Dimas Water Company, a corporation, sued herein as DOE 3; San Gabriel County Water District, a county water district; San Gabriel Valley Water Company, a corporation; Southern California Water Company, a corporation; City of South Pasadena, a municipal corporation; Suburban Water Systems, a corporation; Sunny Slope Water Company, a corporation; and Vallecito Water Company, a corporation; and

intervening defendant Upper San Gabriel Valley Municipal Water District, a municipal water district (herein sometimes referred to as Upper District); and intervening defendant California Domestic Water Company, a corporation; stipulate and agree as follows:

1. A Judgment in the form attached hereto as Exhibit I may be made and entered by the Court in the above-entitled action.

2. The following facts, considerations and objectives, among others, provide the basis for this Stipulation for Judgment:

(a) By their complaint plaintiffs seek a determination of the rights of the defendants, other than Upper District, in and to the waters of the San Gabriel River System and further seek to restrain defendants, other than Upper District, from an alleged interference with the rights of plaintiffs and persons represented by Central Municipal in and to said waters.

(b) At the present time, and for some time prior to the commencement of this action, the water supply of the San Gabriel River System has been inadequate to supply the diversions and extractions of both plaintiffs and defendants other than Central Municipal and Upper District but including the persons represented by Central Municipal and by Upper District, and as a result said diversions and extractions have exceeded, and still exceed, the natural replenishment of the water supply of the San Gabriel River System.

(c) The parties recognize and agree that the natural outflow from the San Gabriel Valley

to the Lower Area as defined in the Judgment has varied, and will vary from year to year, depending on the amount of precedent rainfall and other conditions.

(d) The parties recognize and agree that there is a need for a declaration of rights and a physical solution for the problems resulting from the inadequate and varying water supplies of the San Gabriel River System.

(e) The parties agree that the physical solution contained in said Judgment will bring about a fair division of the water of the San Gabriel River System as between plaintiffs and defendants other than Central Municipal and Upper District but including the persons represented by Central Municipal and by Upper District.

(f) The parties recognize that it may be necessary for defendants or some of them to use supplemental water in order to comply with the obligations imposed under said physical solution.

(g) Defendant Upper District is now a member unit of The Metropolitan Water District of Southern California, which will be supplied with water from sources in northern California under an existing contract with the State of California. Certain of the defendants not within the area of defendant Upper District are within the area of San Gabriel Valley Municipal Water District, which district also has contracted with the State of California for delivery of water from sources in northern California. It is anticipated that the

importation of this water will augment the natural supply of ground water within Upper Area as defined in the Judgment. Defendant Upper District intends to replenish the San Gabriel Valley with supplemental supplies.

3. The parties hereto hereby waive any and all Findings of Fact, Conclusions of Law, and any and all notice of the making or entry herein of the attached form of Judgment, and all rights of appeal, if any, from such Judgment.

4. Plaintiffs and defendants agree that during the period prior to entry of the attached form of Judgment, they will cooperate in endeavoring to collect such information as the Watermaster would obtain if the attached form of Judgment had been entered and the Watermaster had been appointed by the Court pursuant to paragraph 6 of the Judgment, which information is herein referred to as "said information." To that end, the parties hereto hereby agree that promptly following the complete execution of this stipulation by all parties, Upper District and Central Municipal shall each notify the other in writing as to the identity of the person who it expects will be nominated as the representative of Upper Area Parties or Lower Area Parties, as the case may be, under paragraph 6 of the Judgment. Upon receiving such notice, Upper District and Central Municipal shall each instruct its designated nominee that until the attached form of Judgment is entered and the Watermaster has been appointed pursuant to paragraph 6 of the Judgment he shall in cooperation with the other designated nominee do all things reasonably necessary to obtain such of said information as is available from the parties hereto or any public agency.

5. Judgment shall not be rendered pursuant hereto unless and until the execution of this stipulation by Central Basin Municipal Water District and by Upper San Gabriel Valley

Municipal Water District shall have been validated by a decree or decrees rendered in a proceeding or proceedings instituted in a court of competent jurisdiction of the State of California, and either such decree or decrees shall have become final or both of said Districts shall have further stipulated that said Judgment shall be rendered.

6. This stipulation may be executed in counterparts (each counterpart being an exact copy or duplicate of the original) and all counterparts collectively shall be considered as constituting one complete Stipulation for Judgment.

DATED: _____, 1964.

Attorneys (for the respective party listed opposite and to the right of the respective attorneys listed below)	Signature of Stipulating Party and Its Designation of Mailing Address
Leonard Putnam City Attorney Clifford E. Hayes Principal Deputy City Attorney City of Long Beach	Board of Water Commissioners of the City of Long Beach
By _____	By _____ Its _____ President
	By _____ Its _____ Secretary
Burris & Lagerlof Stanley C. Lagerlof H. Jess Senecal Jack T. Swafford	1800 East Wardlow Road Long Beach 7, California
By _____	

Burris & Lagerlof
Stanley C. Lagerlof
H. Jess Senecal
Jack T. Swafford

By _____

Central Basin Municipal Water District

By _____

Its President

By _____

Its Secretary

7439 East Florence Avenue
Downey, California

Lloyd A. Bulloch
City Attorney
City of Compton

_____

City of Compton

By _____

Its Mayor

205 South Willowbrook Avenue
Compton, California

Burris & Lagerlof
Stanley C. Lagerlof
H. Jess Senecal
Jack T. Swafford

By _____

Don D. Bercu
City Attorney
City of Alhambra

_____

City of Alhambra

By _____

Its Mayor

City Hall
111 South First Street
Alhambra, California

Taylor & Smith

By _____

James A. Nicklin
City Attorney
City of Arcadia

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

City of Arcadia

By _____

Its Mayor

City Hall
Arcadia, California

Harry C. Williams
City Attorney
City of Azusa

_____

Taylor & Smith

By _____

City of Azusa

By _____

Its Mayor

City Hall
213 East Foothill Boulevard
Azusa, California

Taylor & Smith

By _____

Azusa Agricultural Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

18352 East Foothill Boulevard
Azusa, California

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Azusa Valley Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

P. O. Box "W"
Azusa, California

Surr & Hellyer

By _____

Clayson, Stark, Rothrock & Mann

By _____

Baldwin Park County Water District

By _____

Its ____ President

By _____

Its _____ Secretary

14521 East Ramona Boulevard
Baldwin Park, California

Bacigalupi, Elkus & Salinger

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock & Mann

By _____

California Water & Telephone Company

By _____

Its ____ President

By _____

Its _____ Secretary

300 Montgomery Street
San Francisco, California

Allard, Shelton & O'Connor

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock & Mann

By _____

Columbia Land & Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

P. O. Box 296
San Dimas, California

Allard, Shelton & O'Connor

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Kerckhoff & Kerckhoff

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

George C. Gillette

_____

Henry W. Shatford
Shatford & Shatford

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

City of Covina

By _____

Its Mayor

City Hall
Covina, California

Covina Irrigating Company

By _____

Its ____ President

By _____

Its _____ Secretary

146 East College Street
Covina, California

Cross Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

15825 East Main Street
La Puente, California

Duarte Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

1101 South Oak Avenue
Duarte, California

Gray & Maddox

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

East Pasadena Water Company, Ltd.

By _____

Its ____ President

By _____

Its _____ Secretary

269 South Rosemead
Pasadena, California

James A. Nicklin
City Attorney
City of El Monte

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

City of El Monte

By _____

Its Mayor

City Hall
El Monte, California

Leonard A. Shelton
City Attorney
City of Glendora

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

City of Glendora

By _____

Its Mayor

City Hall
Glendora, California

Allard, Shelton & O'Connor

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Glendora Irrigating Company

By _____

Its ____ President

By _____

Its _____ Secretary

224 North Michigan Avenue
Glendora, California

Homer H. Bell
City Attorney
City of Monrovia

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

City of Monrovia

By _____

Its Mayor

City Hall
Monrovia, California

Charles R. Martin
City Attorney
City of Monterey Park

_____

Taylor & Smith

By _____

City of Monterey Park

By _____

Its Mayor

City Hall
320 West Newmark Avenue
Monterey Park, California

Allard, Shelton & O'Connor

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

San Dimas Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

P. O. Box 181
San Dimas, California

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

San Gabriel County Water District

By _____

Its ____ President

By _____

Its _____ Secretary

8229 East Las Tunas Drive
San Gabriel, California

J. E. Skelton

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

San Gabriel Valley Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

11142 Garvey Avenue
El Monte, California

O'Melveny & Myers

By _____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Charles R. Martin
City Attorney
City of South Pasadena

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Frank E. Gray

_____

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Hahn & Hahn

By _____

Southern California Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

11911 South Vermont Avenue
Los Angeles 44, California

City of South Pasadena

By _____

Its Mayor

825 Mission Street
South Pasadena, California

Suburban Water Systems

By _____

Its ____ President

By _____

Its _____ Secretary

16340 East Maplegrove Street
La Puente, California

Sunny Slope Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

1040 El Campo Drive
Pasadena, California

Surr & Hellyer

By _____

Clayson, Stark, Rothrock
& Mann

By _____

Vallecito Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

749 South Ninth Avenue
City of Industry, California

Stearns, Gross and Moore

By _____

California Domestic Water Company

By _____

Its ____ President

By _____

Its _____ Secretary

P. O. Box 1026, Perry Annex
Whittier, California

Ralph B. Helm

_____

Upper San Gabriel Valley
Municipal Water District

By _____

Its ____ President

By _____

Its _____ Secretary

11229 East Valley Boulevard
El Monte, California

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

BOARD OF WATER COMMISSIONERS OF THE CITY OF LONG BEACH, a municipal corporation; CENTRAL BASIN MUNICIPAL WATER DISTRICT, a municipal water district; and CITY OF COMPTON, a municipal corporation, Plaintiffs, vs. SAN GABRIEL VALLEY WATER COMPANY, a corporation; AZUSA AGRICULTURAL WATER COMPANY, a corporation; AZUSA VALLEY WATER COMPANY, a corporation; CALIFORNIA WATER & TELEPHONE COMPANY, a corporation; THE COLUMBIA LAND AND WATER COMPANY, a corporation; COVINA IRRIGATING COMPANY, a corporation; CROSS WATER COMPANY, a corporation; DUARTE WATER COMPANY, a corporation; EAST PASADENA WATER CO. LTD., a corporation; GLENDORA IRRIGATING COMPANY, a corporation; SAN DIMAS WATER COMPANY, a corporation; SOUTHERN CALIFORNIA WATER COMPANY, a corporation; SUBURBAN WATER SYSTEMS, a corporation; SUNNY SLOPE WATER CO., a corporation; VALLECITO WATER CO., a corporation; CITY OF ALHAMBRA, a municipal corporation; CITY OF ARCADIA, a municipal corporation; CITY OF AZUSA, a municipal corporation; CITY OF COVINA, a municipal corporation; CITY OF EL MONTE, a municipal corporation; CITY OF GLENDORA, a municipal corporation; CITY OF MONROVIA, a municipal corporation; CITY OF MONTEREY PARK, a municipal corporation; CITY OF SOUTH PASADENA, a municipal corporation; BALDWIN PARK COUNTY WATER DISTRICT, a county water district; and SAN GABRIEL COUNTY WATER DISTRICT, a county water district, Defendants, UPPER SAN GABRIEL VALLEY MUNICIPAL WATER	NO. 722,647 JUDGMENT

DISTRICT, a municipal water district, and CALIFORNIA DOMESTIC WATER COMPANY, a corporation,

Intervenors.

The original complaint herein was filed by Plaintiffs on May 12, 1959, and an amended complaint was filed herein on June 8, 1961. Each Defendant in this action filed an answer to the amended complaint denying the material allegations therein. On _____, 1964, and _____, 1964, respectively, Upper San Gabriel Valley Municipal Water District, a municipal water district, and California Domestic Water Company, a corporation, intervened in the action as Defendants. On _____, 1964, there was filed herein a Stipulation for Judgment signed by all of the parties to this action.

After due examination and consideration of the pleadings, said Stipulation for Judgment and other documents and papers on file herein, it appears to the Court that:

(a) In bringing and maintaining this action, plaintiff Central Basin Municipal Water District, a municipal water district, has done so as a representative of and for the benefit of all owners of water rights within, all owners of land within, and all inhabitants of, the district, except to the extent that defendant California Domestic Water Company is representing itself.

(b) In intervening in this action, defendant Upper San Gabriel Valley Municipal Water District, a municipal water district, has done so as representative of and for the benefit of all owners of water rights within, all owners of land within, and all inhabitants of, the district, except to the extent that other Defendants who are within the district are representing themselves.

(c) There is a need for a physical solution to the complex water problems which have given rise to this action.

(d) The physical solution embodied in this Judgment is a feasible, equitable and just resolution of the issues presented by the amended complaint and answers thereto on file herein, and it will bring about a fair division of the water supply of the San Gabriel River System between Upper Area and Lower Area, as those terms are hereinafter defined.

(e) On the basis of the Stipulation for Judgment filed herein and the consent of all Plaintiffs and Defendants it is in the interests of justice and in furtherance of the water policy of the State of California to proceed without trial and to make and enter this Judgment.

Now, therefore, it is hereby ORDERED, ADJUDGED AND DECREED:

JURISDICTION 1. The Court has jurisdiction of the subject matter of this action and of the Upper Area Parties and Lower Area Parties, as those terms are hereinafter defined.

EXHIBITS 2. The following Exhibits marked A and B, are attached to this Judgment and made a part hereof:

(a) Exhibit A -- Map entitled "Rio Hondo and San Gabriel River in Vicinity of Whittier Narrows Dam".

(b) Exhibit B -- Engineering Appendix.

DEFINITIONS 3. As used in this Judgment, the following terms shall have the meanings assigned to them:

(a) Central Municipal -- Central Basin Municipal Water District.

(b) Upper District -- Upper San Gabriel Valley Municipal Water District.

(c) Lower Area Parties -- the Plaintiffs, and

all persons, firms and corporations, public or private, who are represented by Central Municipal.

(d) Upper Area Parties -- the Defendants, and all persons, firms and corporations, public or private, who are represented by Upper District.

(e) Upper Area -- the area (exclusive of the Raymond Basin and the portion of San Gabriel Mountains tributary thereto) wherein surface and subsurface waters are tributary to Whittier Narrows upstream from the common boundary of Upper District and Central Municipal through Whittier Narrows.

(f) Lower Area -- the area which lies downstream from the common boundary of Central Municipal and Upper District through Whittier Narrows and which is included within the incorporated limits of the Plaintiffs.

(g) Whittier Narrows -- a gap between Merced Hills and Puente Hills shown on Exhibit A.

(h) Montebello Forebay -- the area designated as such on Exhibit A.

(i) Export to Lower Area -- water diverted from surface streams in Upper Area or pumped or developed from underground sources in Upper Area, and in either case conveyed by conduit through Whittier Narrows.

(j) Subsurface Flow -- all water which passes as ground water through Whittier Narrows at the "narrowest section" as shown on Exhibit A.

(k) Surface Flow -- all water other than Export to Lower Area and Subsurface Flow, which passes from Upper Area to Lower Area through Whittier Narrows.

(l) Usable Water -- all Surface Flow, Subsurface Flow and Export to Lower Area, but excluding:

(1) that portion of Surface Flow, if any, which crosses the southerly boundary of Montebello Forebay as surface runoff less the amount of Surface Flow which has been caused to flow out of Montebello Forebay as surface runoff by any spreading of water in Montebello Forebay by or on behalf of Lower Area Parties, or any of them;

(2) water imported by or on behalf of Lower Area Parties from outside of the watershed of the San Gabriel River System;

(3) Reclaimed Water, as defined in subparagraph (o) herein, provided, however, that Reclaimed Water (other than that reclaimed by or on behalf of Lower Area Parties) which is percolated and commingled with ground water in Upper Area shall be deemed Subsurface Flow, Surface Flow, or Export to Lower Area as the case may be, when and if it passes through Whittier Narrows;

(4) that portion, if any, of Export to Lower Area which in any Water Year after September 30, 1966, exceeds 23,395 acre-feet;

(5) Make-up Water, as defined in subpara-

graph (m) herein; and

(6) any water whether flowing on the surface or beneath the surface of the ground which has passed any of the points of surface measurement in Whittier Narrows shown on Exhibit B and prior to its passing from Upper Area to Lower Area is intercepted and returned upstream by conduit or otherwise so that it could again pass any such points of measurement.

(m) Make-up Water -- water of usable quality for ground water recharge required to be delivered to Lower Area under terms of paragraph 5 of this Judgment.

(n) Water Year -- October 1 through the following September 30.

(o) Reclaimed Water -- water reclaimed from sewage generated in the watershed of the San Gabriel River System above Whittier Narrows.

DECLARATION OF RIGHT

4. Lower Area Parties have rights in the water supply of the San Gabriel River System. The nature and extent of such rights is not known; however, Lower Area Parties and all other persons downstream from Whittier Narrows who receive water from the San Gabriel River System or have rights in and to such water, shall have, as against Upper Area Parties and all other pumpers of water in the San Gabriel Valley, a right to receive from Upper Area an average annual usable supply of ninety-eight thousand four hundred fifteen (98,415) acre-feet of water over a long-term period of normal rainfall derived as set forth in Exhibit B, consisting

of Surface Flow, Subsurface Flow, Export to Lower Area and Make-up Water. If in the future a court of competent jurisdiction shall decree that any person downstream from Whittier Narrows within Central and West Basin Water Replenishment District who is not bound by this Judgment, shall have, as against Upper Area Parties and substantially all other pumpers in the San Gabriel Valley, a right to receive from Upper Area a stated amount of usable supply consisting of Surface Flow, Subsurface Flow, Export to Lower Area or Make-up Water, which right arose out of and is based upon the ownership of land or the production of water downstream from Whittier Narrows and within Central and West Basin Water Replenishment District, then and in that event the stated amount of such right so decreed shall not increase the declared rights as set forth in this paragraph 4.

PHYSICAL SOLUTION

5. In recognition of the complexities of annual supply and demand and variations in the components thereof, the Court hereby declares the following physical solution to be a fair and equitable basis for satisfaction of the declared right set forth in paragraph 4 hereof. Compliance with this paragraph 5 shall constitute full and complete satisfaction of said declared right.

AVERAGE ANNUAL ENTITLEMENT

(a) It is determined that the amount of Lower Area average annual entitlement to Usable Water is ninety-eight thousand four hundred fifteen (98,415) acre-feet.

BASIS OF ANNUAL ENTITLEMENT

(b) The outflow of water from Upper Area through Whittier Narrows to Lower Area has

varied from year to year and will vary from year to year in the future depending on changing conditions of supply and demand; and as to any Water Year, the average annual rainfall for the San Gabriel Valley during the ten (10) consecutive Water Years ending with that Water Year, is a reasonable basis for determining the entitlement of Lower Area to Usable Water for such Water Year.

DETERMINATION OF RAINFALL

(c) The rainfall in each Water Year for the San Gabriel Valley shall be determined by application of the procedures described in Exhibit B.

RAINFALL ADJUSTMENT TABLE

(d) The quantity of water which Lower Area is entitled to receive in any Water Year (hereinafter called Lower Area Annual Entitlement) shall be determined in accordance with the following table, except that no determination of Lower Area Annual Entitlement shall be made for the last year of any Long-term Accounting Period as hereinafter defined.

TABLE A

LOWER AREA ANNUAL ENTITLEMENT
BASED ON 10-YEAR AVERAGE RAINFALL
FOR SAN GABRIEL VALLEY

(In Acre-feet)

Inches of Rain-fall	0	.1	.2	.3	.4	.5	.6	.7	.8	.9
14	64,200	64,900	65,700	66,500	67,200	68,000	68,700	69,500	70,300	71,100
15	71,800	72,600	73,400	74,100	74,900	75,600	76,400	77,200	77,900	78,700
16	79,500	80,200	81,000	81,800	82,600	83,300	84,000	84,800	85,600	86,400
17	87,100	87,900	88,700	89,400	90,200	91,000	91,500	92,500	93,200	94,000
18	94,800	95,300	96,200	96,900	97,600	98,300	98,800	99,500	100,100	100,800
19	101,400	102,000	102,700	103,300	103,900	104,500	105,100	105,700	106,300	107,000
20	107,600	108,200	108,800	109,400	110,100	110,700	111,300	111,900	112,500	113,100
21	113,700	114,300	115,000	115,600	116,200	116,800	117,400	118,100	118,600	119,300
22	119,900	120,400	121,000	121,600	122,200	122,700	123,300	123,900	124,400	125,000
23	125,500	126,100	126,700	127,200	127,800	128,400	128,900	129,500	130,100	130,600
24	131,200	131,700	132,200	132,700	133,100	133,700	134,100	134,700	135,100	135,600

DETERMINATION OF ACCRUED DEBIT OR CREDIT

(e) The difference between the aggregate of water entitlements determined as provided in this Judgment and the aggregate of Usable Water and delivered Make-up Water shall be computed as of the end of each Water Year. Any excess of water entitlements over the quantity of Usable Water and Make-up Water received by Lower Area after September 30, 1963, is hereinafter referred to as Accrued Debit of Upper Area. Any excess of Usable Water and Make-up Water received by Lower Area after September 30, 1963, over water entitlements, is hereinafter referred to as Accrued Credit of Upper Area.

ACCRUED DEBIT

(f) If at the end of any Water Year it is determined pursuant to subparagraph (e) of this paragraph 5 that there is an Accrued Debit of Upper Area, then Upper District shall cause Make-up Water to be delivered to Lower Area during the following Water Year in an amount not less than the sum of (1) one-third of such Accrued Debit of Upper Area, and (2) that portion, if any, of such Accrued Debit of Upper Area over 25,000 acre-feet which remains after deducting said one-third. If Upper District shall fail to deliver Make-up Water as next above provided and Plaintiffs shall have diligently pursued their legal and equitable remedies to cause Upper District to so deliver, and either: (1) it shall be finally determined that Upper District is not obligated to so deliver, or (2) it shall appear that Upper District will not thereafter deliver Make-up Water, then Defendants and any successor or successors in interest by title to a Defendant's water right in Upper Area shall be obligated to so deliver Make-up Water. The provisions of this paragraph are subject to the provisions of paragraph 5(h) below.

ACCRUED CREDIT

(g) If at the end of any Water Year it is determined pursuant to subparagraph (e) of this paragraph 5 that there is an Accrued Credit of Upper Area, then there shall be no obligation to deliver Make-up Water to Lower Area during the following Water Year.

LONG-TERM ACCOUNTING

(h) Following September 30, 1963, a Long-term Accounting shall be made from time to time but not sooner than at the end of 15 Water Years, nor later than 25 Water Years after September 30, 1963, or after the last such accounting, whichever is later. A Long-term Accounting shall be made sooner than said 25-year period whenever the average annual rainfall in the San Gabriel Valley for a period of 15 Water Years or more after September 30, 1963, or after the last such accounting, whichever is later, is at least 18 inches but not more than 19 inches.

In making such Long-term Accounting for any such period (herein called Long-term Accounting Period), the aggregate of all Usable Water and Make-up Water received by Lower Area during such period shall be determined and (a) there shall be deducted from said aggregate the amount of Make-up Water, if any, delivered during such period by reason of the existence of an Accrued Debit of Upper Area at the end of the immediately preceding Long-term Accounting Period, or (b) there shall be added to said aggregate the amount of any Accrued Credit of Upper Area determined to exist at the end of the immediately preceding Long-term Accounting Period. The net aggregate amount of Usable Water and Make-up Water so computed shall be compared to the result to be obtained by (1) multiplying the 98,415 acre-feet of water to be received by

Lower Area as its average annual usable supply by the number of Water Years in the Long-term Accounting Period, and (2) adjusting the product by the percentage by which the average annual rainfall (to the nearest one hundredth of an inch) for the Long-term Accounting Period involved exceeds or is less than 18.52 inches. (i.e.:

$$98{,}415 \times (\text{number of Water Years in Period}) \times \frac{(\text{average rainfall for the Period})}{18.52}.)$$

If as a result of such comparison it is determined that there is a deficiency in the net aggregate amount of Usable Water and Make-up Water received during the Long-term Accounting Period, then such deficiency shall be compensated in the following Water Year by delivery of Make-up Water to Lower Area in the manner and by the means provided herein. If it is determined as a result of such comparison that there is an excess of net aggregate Usable Water and Make-up Water received, then the amount of such excess shall be carried forward as an Accrued Credit of Upper Area.

MAKE-UP WATER DELIVERY

(i) Make-up Water which Defendants are obligated to deliver through Upper District may be delivered by any one or more of the following means:

SURFACE FLOW DELIVERY

(1) By causing water other than Reclaimed Water to flow on the surface into Montebello Forebay by any means and from any source, provided that such deliveries shall

be at such rates or flows and at such times as may be scheduled by the Watermaster.

RECLAIMED WATER CREDIT

(2) By paying to Central Municipal for the benefit of all Lower Area Parties the total amount or any portion of the total amount which Central and West Basin Water Replenishment District or any Plaintiff shall have expended in reclaiming water or for the purchase of Reclaimed Water in the preceding Water Year, and which water when so reclaimed or purchased shall have been passed through Whittier Narrows to Lower Area. Upon written request made by Upper District not later than three months after the end of a Water Year, Central Municipal shall give a written notice to Upper Distric and the Watermaster of the total number of acre-feet of such Reclaimed Water so reclaimed or purchased during the preceding Water Year and of the cost per acre-foot therefor at the existing Whittier Narrows Water Reclamation Plant for reclamation of waste water, and at any future additions thereto, and payment therefor at said cost, or costs, may be made not later than one year after receipt of such written notice. Such payment shall be made for the total production of Reclaimed Water from the existing plant in the preceding Water Year before Upper District shall be entitled to make payment for all, or any portion of,

Reclaimed Water produced in that year by any future addition to that plant. Such payment by Upper District on behalf of Defendants shall be deemed a delivery of Make-up Water equal to the quantity of Reclaimed Water for which the expenditure of a like sum would have paid at the cost, or costs, per acre-foot so paid for such Reclaimed Water. In no event, however, shall any payment by Upper District under this subparagraph (i)(2) be deemed a delivery of Make-up Water in excess of 14,735 acre-feet in any Water Year during which the amount of Make-up Water required to be furnished by Upper Area is available to it at ground water replenishment rates for delivery to Lower Area, except with the prior written consent of Plaintiffs.

DIRECT DELIVERY

(3) By delivering, or causing to be delivered, water to any of Lower Area Parties with consent of Plaintiffs for use in Lower Area.

WATER RIGHTS BOUND

(j) It is further determined and adjudicated that the obligations provided above in subparagraphs (f) and (h) of this paragraph 5 for each Defendant shall constitute and be a servitude upon the existing water rights of each Defendant in and to the water supply of the San Gabriel River System upstream from Lower Area and shall run with and forever bind said water rights for the benefit of the water

rights of Lower Area Parties.

TRANSFER OF WATER RIGHTS

(k) If any Defendant, other than Upper District, shall desire to transfer all or any of its said water rights to a person, firm or corporation, public or private, who or which is not then bound by this Judgment as a Defendant, such Defendant shall as a condition to being discharged as hereinafter provided cause such transferee to appear in this action and file a valid and effective express assumption of the obligations imposed upon such Defendant under this Judgment as to such transferred water rights. Such appearance and assumption of obligations shall include the filing of a designation of the address to which shall be mailed all notices, requests, objections, reports and other papers permitted or required by the terms of this Judgment.

If any Defendant shall have transferred all of its said water rights and each transferee not theretofore bound by this Judgment as a Defendant shall have appeared in this action and filed a valid and effective express assumption of the obligations imposed upon such Defendant under this Judgment as to such transferred water rights, such transferring Defendant shall thereupon be discharged from all obligations hereunder. If any Defendant other than Upper District shall cease to own any rights in and to the water supply of the San Gabriel River System upstream from Lower Area, and shall have caused the appearance

and assumption provided for in the third preceding sentence with respect to each voluntary transfer, then upon application to this Court and after notice and hearing such Defendant shall thereupon be relieved and discharged from all further obligations hereunder. Any such discharge of any Defendant hereunder shall not impair the aggregate rights of Lower Area Parties or the responsibility hereunder of the remaining Defendants or any of the successors.

WATERMASTER PROVISIONS

WATERMASTER APPOINTMENT

6. A Watermaster comprised of three persons to be nominated as hereinafter provided shall be appointed by and serve at the pleasure of and until further order of this Court. One shall be a representative of Upper Area Parties nominated by and through Upper District, one shall be a representative of Lower Area Parties nominated by and through Central Municipal, and one shall be jointly nominated by Upper District and Central Municipal. If a dispute arises in choosing the joint appointee, the Court shall make the appointment. If Central Municipal or Upper District shall at any time or times nominate a substitute appointee in place of the appointee last appointed to represent Lower Area Parties, in the case of Central Municipal, or to represent Upper Area Parties, in the case of Upper District, or if Central Municipal and Upper District shall at any time or times jointly nominate a substitute appointee in place of the joint appointee last appointed,

such substitute appointee shall be appointed by the Court in lieu of such last appointee or joint appointee. Each such nomination shall be made in writing, served upon the other parties to this action and filed with the Court. The Watermaster when so appointed shall administer and enforce the provisions of this Judgment and the instructions and subsequent orders of this Court.

POWERS AND DUTIES

7. The Watermaster shall have the following powers and duties and shall take all steps necessary to make the following determinations for each Water Year promptly after the end of such Water Year:

(a) the amount of Surface Flow,

(b) the amount of Subsurface Flow,

(c) the amount of Export to Lower Area,

(d) the amount of water which passed as Surface Flow or Subsurface Flow across the boundary between Upper Area and Lower Area through Whittier Narrows and which was imported by or on behalf of Lower Area Parties from outside of the watershed of the San Gabriel River System above Whittier Narrows,

(e) the amount and quality of Reclaimed Water reclaimed by or on behalf of Lower Area,

(f) the total amount of Make-up Water delivered to Lower Area, together with the respective amounts delivered by each method specified in paragraph 5 of this Judgment,

(g) the amount of Usable Water received by Lower Area,

(h) the amount of local storm inflow, originating in Lower Area, to the channel of

each of Rio Hondo and San Gabriel River within Montebello Forebay,

(i) the surface outflow from Montebello Forebay in the channel of each of the Rio Hondo and San Gabriel River,

(j) the number of inches of depth of average rainfall in the San Gabriel Valley,

(k) the average annual rainfall in the San Gabriel Valley for the ten consecutive Water Years just ended,

(l) Lower Area Annual Entitlement or the entitlement for the Long-term Accounting Period, determined pursuant to subparagraph (d) or (h), respectively, of paragraph 5 of this Judgment,

(m) Accrued Debit of Upper Area, if any, or Accrued Credit of Upper Area, if any, as it exists at the end of such Water Year, and

(n) the amount, if any, of Make-up Water which Upper District is obligated to deliver during the following Water Year.

DETERMINATIONS TO BE BASED ON EXHIBIT B

8. Each of the above required determinations shall be based on and conform to the procedures specified in this Judgment and in Exhibit B insofar as said exhibit provides a procedure.

REPORTS MEASUREMENTS AND DATA

9. The Watermaster shall report to the Court and to each party in writing at the same time and not more than five months after the end of each Water Year the determinations required by paragraph 7 above.

The Watermaster shall cause to be installed and maintained in good working order such measuring

devices in Whittier Narrows and elsewhere as are necessary or required and not otherwise available for the making of the determinations required by paragraph 7 above.

The Watermaster shall collect and assemble from each of the parties, and the parties shall make available to the Watermaster, such records, reports and other data as may reasonably be required in the making of the determinations required of the Watermaster under paragraph 7 above. All records, reports and data received, maintained or compiled by the Watermaster shall be open to inspection by any party or its representative.

OBJECTIONS

10. Any party who objects to any determination made by the Watermaster pursuant to paragraph 7 above, may make such objection in writing to the Watermaster within thirty (30) days after the Watermaster gives the required written notice of such determination. Within thirty (30) days after expiration of the time within which objection may be made to such determination, the Watermaster shall consider all objections thereto and shall amend, modify or affirm the determination and give notice thereof at the same time to all parties and shall file a copy of such final determination with the Court. If the Watermaster denies any objection in whole or in part, the party whose objection was so denied may within thirty (30) days after service of the final determination upon it, make written objection to such denial by filing its objections with the Court after first mailing a copy of such objections to the

Watermaster and to each party, and such party shall bring its objections on for hearing before the Court upon notice and motion and at such time as the Court may direct. If the Watermaster shall change or modify any determination, then any party may within fifteen (15) days after service of such final determination upon it object to such change or modification by following the procedure prescribed above in the case of a denial of an objection to the first determination. If objection to a final determination is filed with the Court as herein provided and brought on for hearing, then such final determination may be confirmed or modified in whole or in part as the Court may deem proper.

CHANGE IN METHOD OF MEASUREMENT

11. If the Watermaster shall deem it advisable to make a change in the method of making any measurement required under the terms of this Judgment, the Watermaster shall notify all parties of such proposed change, and if within sixty (60) days of such notification no party shall file written objections to such change with the Watermaster, the Watermaster may put such proposed change into effect. If, however, any party files its written objection to the proposed change, it shall by notice of motion filed not later than fifteen (15) days after the expiration of said 60-day period and served on the Watermaster and all parties bring its objection on for hearing before the Court at such time as the Court may direct, and the Court shall rule on whether the Watermaster may make such proposed change.

BUDGET

12. In addition to the above-specified administrative powers and duties, the Watermaster shall prepare a tentative budget for each Water Year, stating the estimated expense for discharging the duties of the Watermaster set forth in this Judgment. The Watermaster shall mail a copy of the tentative budget to each of the parties at the same time at least sixty (60) days before the beginning of each Water Year. However, with respect to the first Water Year following the entry of this Judgment, the tentative budget shall be mailed not later than one hundred and twenty (120) days from the entry of this Judgment. If any party has an objection to a tentative budget, or any suggestions with respect thereto, that party shall present the same in writing to the Watermaster within fifteen (15) days after service of the tentative budget upon it. If no objections are received, the tentative budget shall become the final budget. If objections to the tentative budget are received, the Watermaster shall, within fifteen (15) days after the expiration of the time for presenting objections, consider all such objections, prepare a final budget, and mail a copy thereof to each party, together with a statement of the amount assessed, if any, to each party, computed as provided in paragraph 13. If the Watermaster denies any objection in whole or in part, the party whose objection was so denied may, within fifteen (15) days after service of the final budget upon it, make written objection to such denial by filing

its objections with the Court after first mailing a copy of such objections to each party, and such party shall bring its objections on for hearing before the Court upon notice and motion and at such time as the Court may direct. If the Watermaster makes a change in the tentative budget, then any party may within fifteen (15) days after service of the final budget upon it object to any such change by following the procedure prescribed above in the case of a denial of an objection to the tentative budget. If objection to the final budget is filed with the Court as herein provided and brought on for hearing, then such final budget may be confirmed or adjusted in whole or part as the Court may deem proper.

FEES AND EXPENSES

13. The fees, compensation and expenses of the Watermaster hereunder shall be borne by the parties in the following proportions: 50% by Upper District, 41.2% by Central Municipal, 7.125% by the City of Long Beach, and 1.675% by the City of Compton, or such other division among the Plaintiffs as they may agree upon in writing and file with the Watermaster.

Payment of the amount assessed to a party, whether or not subject to adjustment by the Court as provided in paragraph 12, shall be paid on or prior to the beginning of the Water Year to which the final budget and statement of assessed costs is applicable. If such payment by any party is not made on or before said date, the Watermaster shall add a penalty of 5% thereof to such party's

statement. Payment required of any party hereunder may be enforced by execution issued out of this Court, or as may be provided by order hereinafter made by this Court. All such payments and penalties received by the Watermaster shall be expended by him for the administration of this Judgment. Any money remaining at the end of any Water Year shall be available for use in the following Water Year.

SUCCESSOR OF UPPER DISTRICT

14. If a public agency or district shall be formed hereafter which shall include the present area of Upper District and shall have ability equal to or greater than that which Upper District now has to perform the obligations under this Judgment, and shall appear in this action and file a valid and effective assumption of such obligations, then Upper District upon application to this Court, and after notice and hearing, shall thereupon be relieved and discharged from all further obligations hereunder.

CONTINUING JURISDICTION OF THE COURT

15. Full jurisdiction, power and authority is retained and reserved by the Court for the purpose of enabling the Court upon application of any party by motion and upon at least thirty (30) days notice thereof, and after hearing thereon (i) to make such further or supplemental orders or directions as may be necessary or appropriate for the construction, enforcement or carrying out of this Judgment, and (ii) to modify, amend or amplify any of the provisions of this Judgment whenever substantial developments affecting the physical, hydrological or other conditions dealt

with herein may, in the Court's opinion, justify or require such modification, amendment or amplification.

If at any time Plaintiffs and at least two-thirds of the Defendants including any two of the cities of Alhambra, Azusa and Monterey Park, shall file with the Court a written stipulation (i) that henceforth in determining any one or more of the component parts of Usable Water received by Lower Area in any Water Year, the Watermaster shall not use the method specified in this Judgment but shall use instead a new, different or altered method as specified and described in such stipulation, and (ii) that such new, different or altered method or methods shall be applied to redetermine the average annual amount of Usable Surface Flow, Subsurface Flow and Export to Lower Area which Lower Area received each Water Year during the period October 1, 1934 to September 30, 1959, referred to as the base period, and that on the basis of such redetermination the Court may modify paragraphs 4 and 5 of this Judgment to establish a new and different water entitlement and yearly adjustment thereto which shall thereafter control, then and in that event, after hearing pursuant to motion and notice to all parties, held at such time as the Court may direct, the Court may deny the motion or it may grant it and (a) approve the future use of the stipulated new, different or altered method or methods, by the Watermaster, and (b) by use of the stipulated new, different or altered method or

methods, redetermine the average annual amount of Usable Surface Flow, Subsurface Flow and Export to Lower Area received each Water Year during the base period, and on the basis thereof modify paragraphs 4 and 5 of this Judgment to provide for a new and different water entitlement and yearly adjustment thereto, which modifications shall be effective and control commencing with the Water Year following the entry of the order so modifying paragraphs 4 and 5.

REPORT OF TRANSFER OF WATER RIGHTS

16. Every transfer of any of those water rights of Defendants which are the subject of Paragraph 5(j) of this Judgment, whether such transfer is voluntary or involuntary, shall be reported promptly in writing by the transferor to the Watermaster; and the Watermaster shall give prompt written notice of such transfer to each party and to each transferee involved in every other transfer of any of those water rights. Such report by the transferor and notice by the Watermaster shall contain the following information as to each such transfer:

(a) The identity of the transferor;

(b) The identity of the transferee;

(c) The effective date of the transfer;

(d) A brief description of the document by which such transfer is made, and the recording data, if any;

(e) A statement as to whether the transfer was voluntary or involuntary;

(f) A statement whether or not after such transfer the transferor still has or

claims to have any of the water rights which are the subject of Paragraph 5(j) of this Judgment.

NOTICES

17. All notices, requests, objections, reports and other papers permitted or required by the terms of this Judgment shall be given or made by written document and shall be served by mail on each party and on each transferee of water rights who has appeared and filed the assumption of obligations required by paragraph 5(k) of this Judgment, and where required or appropriate, on the Watermaster. For all purposes of this paragraph the mailing address of each party shall be that set forth below its signature to the Stipulation for Judgment, and the mailing address of each transferee of water rights shall be that set forth in the appearance and assumption of obligations required by paragraph 5(k) of this Judgment, until changed as provided below. No further notice of any kind as to any matter arising hereunder, including notice to attorneys of record for any party or such transferee, need be given, made or served.

If any party or any such transferee of water rights shall desire to change its designation of mailing address, it shall file a written notice of such change with the clerk of this court and shall serve a copy thereof by mail on the Watermaster. Upon the receipt of any such notice the Watermaster shall promptly give written notice thereof to each party and to each transferee of water rights.

EFFECTIVE DATE

18. The rights decreed and the obligations imposed by this Judgment shall be effective October 1, 1963, and shall accrue from that date.

COSTS

19. None of the parties shall recover any costs from any other party.

Dated: _____, 1964.

_____
Judge

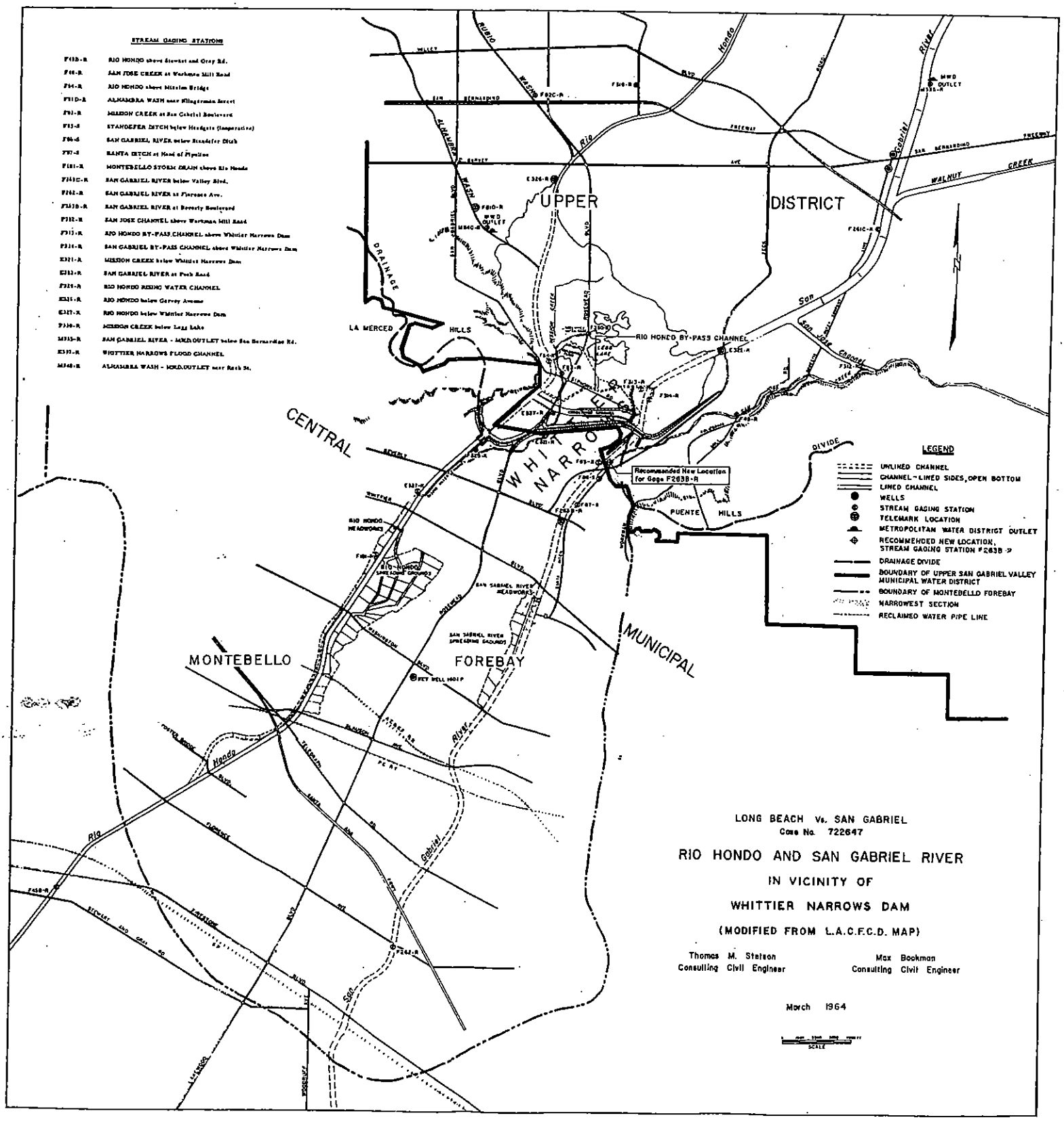
STREAM GAGING STATIONS
RIO HONDO above Stewart and Gray Rd.
SAN JOSE CREEK at Workman Mill Road
RIO HONDO above Mission Bridge
ALHAMBRA WASH near Klingerman Street
MISSION CREEK at San Gabriel Boulevard
STANDEFER DITCH below Headgate (Inoperative)
SAN GABRIEL RIVER below Standefer Ditch
SANTA DITCH at Head of Pipeline
MONTEBELLO STORM DRAIN above Rio Hondo
SAN GABRIEL RIVER below Valley Blvd.
SAN GABRIEL RIVER at Florence Ave.
SAN GABRIEL RIVER at Beverly Boulevard
SAN JOSE CHANNEL above Workman Mill Road
RIO HONDO BY-PASS CHANNEL above Whittier Narrows Dam
SAN GABRIEL BY-PASS CHANNEL above Whittier Narrows Dam
MISSION CREEK below Whittier Narrows Dam
SAN GABRIEL RIVER at Peck Road
RIO HONDO RISING WATER CHANNEL
RIO HONDO below Garvey Avenue
RIO HONDO below Whittier Narrows Dam
MISSION CREEK below Legg Lake
SAN GABRIEL RIVER - MWD OUTLET below San Bernardino Rd.
WHITTIER NARROWS FLOOD CHANNEL
ALHAMBRA WASH - MWD OUTLET near Rock St.
UPPER
DISTRICT
CENTRAL
MUNICIPAL
WHITTIER NARROWS
MONTEBELLO
FOREBAY
LA MERCED
HILLS
PUENTE
HILLS
DRAINAGE
DIVIDE
RIO HONDO BY-PASS CHANNEL
Recommended New Location for Gage F263B-R
RIO HONDO HEADWORKS
RIO HONDO SPREADING GROUNDS
SAN GABRIEL RIVER HEADWORKS
SAN GABRIEL RIVER SPREADING GROUNDS
WALNUT CREEK
San Jose Channel
Rio Hondo
San Gabriel River
LEGEND
UNLINED CHANNEL
CHANNEL-LINED SIDES, OPEN BOTTOM
LINED CHANNEL
WELLS
STREAM GAGING STATION
TELEMARK LOCATION
METROPOLITAN WATER DISTRICT OUTLET
RECOMMENDED NEW LOCATION, STREAM GAGING STATION F263B-R
DRAINAGE DIVIDE
BOUNDARY OF UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT
BOUNDARY OF MONTEBELLO FOREBAY
NARROWEST SECTION
RECLAIMED WATER PIPE LINE
LONG BEACH Vs. SAN GABRIEL
Case No. 722647
RIO HONDO AND SAN GABRIEL RIVER
IN VICINITY OF
WHITTIER NARROWS DAM
(MODIFIED FROM L.A.C.F.C.D. MAP)
Thomas M. Stetson
Consulting Civil Engineer
Max Bookman
Consulting Civil Engineer
March 1964
SCALE

EXHIBIT A

LONG BEACH v. SAN GABRIEL

ENGINEERING APPENDIX

EXHIBIT B

ENGINEERING APPENDIX

Table of Contents

	Page No.
Introduction	1
I. Derivation of Lower Area Average Annual Entitlement	1
A. Usable Surface Flow	1
B. Subsurface Flow	4
C. Export to Lower Area	6
D. Derivation of Lower Area Average Annual Entitlement	8
II. Determination of Future Lower Area Annual Entitlement	8
III. Future Measurements	10
A. Surface Water Measurements and Calculations	10
B. Subsurface Flow	13
C. Export to Lower Area	17
IV. Accounting	18
A. Components of Usable Water	18
1. Surface Flow	18
2. Subsurface Flow	19
3. Export to Lower Area	19
B. Calculation of Usable Water	19
C. Determination and Delivery of Make-up Water	21
D. Long-term Accounting	23
E. Water Usable for Ground Water Replenishment	23

Tables

Table No.	Title	Page No.
1	Calculation of Usable Surface Flow Received by Lower Area	3
2	Subsurface Flow	5
3	Export to Lower Area	7
4	Lower Area Average Annual Entitlement	8
5	Annual Rainfall for San Gabriel Valley	9
6	Rainfall-Runoff Relationship of Sycamore Canyon	13

ENGINEERING APPENDIX

INTRODUCTION

Pursuant to the declaration of rights contained in paragraph 4 of the Judgment and the physical solution contained in paragraph 5 of the Judgment, the purpose of this exhibit is to establish the basis for calculations and measurements to provide for operation of the Judgment in the future.

Unless otherwise provided in this exhibit, all terms used herein are used in the same sense as defined or used in the Judgment.

The derivation of the Lower Area average annual entitlement is based upon the data presented herein covering the base period. However, if a more accurate method of determining Subsurface Flow is developed at some future time, it will be acceptable for use in carrying out the terms of this Judgment so long as it can also apply to the base period and to the years over which the Judgment shall have operated to that time.

I. DERIVATION OF LOWER AREA AVERAGE ANNUAL ENTITLEMENT

The Lower Area average annual entitlement is stipulated in paragraph 5 (a) of the Judgment to be 98,415 acre-feet. It was derived from three components of water supply over the base period, October 1, 1934, through September 30, 1959. Said components were: (1) Usable Surface Flow, (2) Subsurface Flow, and (3) Export to Lower Area.

A. Usable Surface Flow

For the base period, Usable Surface Flow was calculated as that portion of Surface Flow which percolated

in Montebello Forebay, less the calculated amounts of Lower Area Replenishment Water (hereby defined as water imported from outside of the watershed of the San Gabriel River system by or on behalf of Lower Area Parties for replenishment of Montebello Forebay and passing from Upper Area to Lower Area), and less one-half of the Raymond Basin sewage discharged in Upper Area from the Tri-City Sewage Treatment Plant.

Table 1 presents the calculation of Usable Surface Flow during the base period. The average annual quantity was calculated to be 51,620 acre-feet. Its derivation is summarized in the following tabulation.

		Average annual quantity in acre-feet
1. Surface Flow		108,560
2. Montebello Forebay surface outflow	45,000	
3. Local storm inflow within Montebello Forebay	1,660	
4. Portion of Surface Flow leaving Montebello Forebay (2 minus 3)		43,340
5. Surface Flow percolated in Montebello Forebay (1 minus 4)		65,220
6. Lower Area Replenishment Water (Colorado River water) passing through Whittier Narrows	11,870	
7. One-half of Raymond Basin sewage discharged in Upper Area	1,730	
8. Usable Surface Flow (5 minus 6 minus 7)		51,620

TABLE 1

CALCULATION OF USABLE SURFACE FLOW

DURING BASE PERIOD

(Acre-Feet)

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Surface Flow						Montebello Forebay surface outflow								
Water Year	Rio Hondo F-64	Mission Creek F-83	Rio Hondo Bypass F-313	Sycamore Canyon	San Gabriel River at maximum rising water	Total (2+3+4+5+6)	Rio Hondo F-45	San Gabriel River F-262	Subtotal (8+9)	Montebello Storm Drain F-181	Outflow of Surface Flow (10-11)	Surface Flow percolated in Montebello Forebay (7-12)	Colorado River water passing Whittier Narrows	One-half of Raymond Basin sewage discharged in Upper Area	Usable Surface Flow (13-14-15)
1934-35	29,230	9,140	0	390	22,410	61,170	6,000	4,700	10,700	1,650	9,050	52,120		2,650	49,470
36	20,700	9,810	0	70	16,140	46,720	4,220	1,750	5,970	890	5,080	41,640		2,735	38,905
37	50,900	10,840	0	260	47,750	109,750	26,870	21,000	47,870	2,170	45,700	64,050		2,865	61,185
38	209,330	14,700	0	510	109,120	333,660	172,100	60,000	232,100	2,050	230,050	103,610		2,960	100,650
39	30,650	16,330	0	200	38,380	85,560	9,540	2,540	12,080	980	11,100	74,460		2,970	71,490
1939-40	27,660	16,210	0	110	29,510	73,490	4,850	1,900	6,750	890	5,860	67,630		2,985	64,645
41	130,650	18,120	0	1,070	112,440	262,280	93,260	75,780	169,040	4,090	164,950	97,330		3,205	94,125
42	28,810	18,740	0	80	43,770	91,400	6,730	13,570	20,300	960	19,340	72,060		3,140	68,920
43	59,470	17,410	0	150	222,670	299,700	41,910	186,420	228,330	2,580	225,750	73,950		3,235	70,715
44	51,390	18,850	0	220	121,420	191,880	26,820	79,930	106,750	2,390	104,360	87,520		3,545	83,975
1944-45	32,300	18,020	0	70	57,130	107,520	8,460	26,110	34,570	770	33,800	73,720		3,490	70,230
46	43,160	15,630	0	70	51,580	110,440	11,280	16,480	27,760	870	26,890	83,550		3,635	79,915
47	48,410	14,230	0	110	56,790	119,540	16,030	27,650	43,680	1,350	42,330	77,210		3,785	73,425
48	25,370	12,670	0	20	20,970	59,030	3,510	0	3,510	910	2,600	56,430		2,065	54,365
49	11,100	10,640	0	40	13,590	35,370	1,490	0	1,490	860	630	34,740		0	34,740
1949-50	12,280	8,780	0	110	11,780	32,950	2,840	0	2,840	1,240	1,600	31,350		0	31,350
51	7,880	6,700	0	0	8,420	23,000	780	0	780	890	-110	23,110		0	23,110
52	34,570	6,090	0	530	56,800	97,990	26,040	24,250	50,290	3,330	46,960	51,030		0	51,030
53	16,120	6,210	0	50	22,350	44,730	3,450	980	4,430	1,430	3,000	41,730		0	41,730
54	23,390	3,580	7,230	100	18,130	52,430	10,760	3,790	14,550	2,190	12,360	40,070	15,690	0	24,380
1954-55	11,350	3,100	9,730	70	14,630	38,880	8,000	1,000	9,000	1,210	7,790	31,090	23,130	0	7,960
56	16,180	2,310	14,990	150	28,930	62,560	14,540	10,360	24,900	2,110	22,790	39,770	42,870	0	-3,100
57	16,840	1,840	20,400	50	22,220	61,350	4,640	1,390	6,030	1,120	4,910	56,440	51,870	0	4,570
58	119,320	2,660	15,300	540	91,320	229,140	30,260	23,960	54,220	3,250	50,970	178,170	103,900	0	74,270
1958-59	39,800	3,920	0	10	39,790	83,520	3,900	3,130	7,030	1,230	5,800	77,720	59,390	0	18,330
TOTALS	1,096,860	266,530	67,650	4,980	1,278,040	2,714,060	538,280	586,690	1,124,970	41,410	1,083,560	1,630,500	296,850	43,265	1,290,385
Averages	43,870	10,660	2,710	200	51,120	108,560	21,530	23,470	45,000	1,660	43,340	65,220	11,870	1,730	51,620

B. Subsurface Flow

The State of California, Department of Water Resources, published in April 1962, Appendix B, "Safe Yield Determinations", of Bulletin No. 104, a report entitled "Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County". That report included estimates of the seasonal Subsurface Flow through Whittier Narrows for each Water Year during the period 1934-35 through 1956-57. By applying the same methods of computation, the estimates have been extended through the Water Year 1958-59 and a 25-year average of 28,400 acre-feet derived.

Table 2 sets out the Subsurface Flow for each Water Year in the base period and the average annual Subsurface Flow during the base period.

TABLE 2

SUBSURFACE FLOW
DURING BASE PERIOD

Water Year	Acre-Feet
1934-35	33,500
36	33,500
37	31,100
38	25,600
39	25,000
1939-40	23,900
41	23,300
42	21,800
43	21,900
44	23,700
1944-45	23,500
46	23,100
47	22,400
48	25,700
49	30,300
1949-50	34,000
51	32,800
52	32,100
53	32,800
54	33,200
1954-55	33,600
56	32,200
57	32,600
58	30,500
1958-59	27,800
TOTAL	709,900
Average	28,400

C. Export to Lower Area

During the base period there were a number of water producers or water service agencies which produced water by surface diversions or wells in Upper Area and exported it to Lower Area. At the present time, and for the past several years, all such water has been pumped from wells in Upper Area.

There are four water service agencies which currently so export water. They are the Rincon Ditch Company, California Domestic Water Company, Suburban Water Systems, and the City of Whittier.

Table 3 sets forth Export to Lower Area for each Water Year during the base period and the average annual Export to Lower Area during the base period.

TABLE 3

EXPORT TO LOWER AREA
DURING BASE PERIOD

Water Year	Acre-Feet
1934-35	15,049
35-36	21,644
36-37	22,668
37-38	25,151
38-39	27,532
1939-40	22,566
40-41	24,191
41-42	27,514
42-43	30,484
43-44	31,182
1944-45	25,953
45-46	27,456
46-47	29,877
47-48	30,165
48-49	25,515
1949-50	18,363
50-51	21,651
51-52	16,302
52-53	18,141
53-54	18,360
1954-55	18,796
55-56	20,728
56-57	19,686
57-58	22,031
58-59	23,881
TOTAL	584,886
Average	23,395

D. Derivation of Lower Area Average Annual Entitlement

Table 4 presents the derivation of the Lower Area average annual entitlement.

TABLE 4

LOWER AREA AVERAGE ANNUAL ENTITLEMENT

(In acre-feet for base period)

Usable Surface Flow (Table 1)	51,620
Subsurface Flow (Table 2)	28,400
Export to Lower Area (Table 3)	23,395
Sub-total	103,415
Stipulated deduction	5,000
Lower Area average annual entitlement	98,415

II. DETERMINATION OF FUTURE LOWER AREA ANNUAL ENTITLEMENT

In determining a future Lower Area Annual Entitlement, as set forth in paragraph 5 (d) of the Judgment, the annual rainfall for San Gabriel Valley shall be determined in accordance with procedures set forth below, which are those presently utilized by the Los Angeles County Flood Control District. The 90-year (1872-73 through 1961-62) average rainfall for San Gabriel Valley has been calculated by said District to be eighteen and fifty-two one-hundredths (18.52) inches. For purposes of this Judgment, this quantity shall be the long-term average annual rainfall for San Gabriel Valley and shall not be subject to change.

The arithmetic average of the annual rainfall recorded at the four precipitation stations listed below shall constitute the rainfall for San Gabriel Valley for the respective Water Year.

Station No.	Location
95	114 East First Street, San Dimas
102C	19711 East Valley Blvd., Walnut
108C	119 South Hoyt Avenue, El Monte
610B	City Hall, Pasadena

Table 5 presents the annual rainfall for San Gabriel Valley for the Water Years 1954-55 through 1962-63.

TABLE 5

ANNUAL RAINFALL FOR SAN GABRIEL VALLEY

Water Year	Rainfall, Inches
1954-55	13.9
56	16.7
57	13.7
58	30.2
59	8.5
1959-60	10.6
61	5.9
62	22.4
63	12.3

The average rainfall in inches for the ten (10) consecutive Water Years ending with the year for which entitlement is being calculated shall be used as the basis for determining Lower Area Annual Entitlement.

Lower Area Annual Entitlements have been computed for 10-year average rainfall in increments of one-tenth (0.1) inch between fourteen (14) and twenty-five (25) inches and are set forth in Table A in paragraph 5 (d) of the Judgment. The following outlines the procedure for determining Lower Area Annual Entitlement from Table A:

(1) Derive the 10-year average rainfall for San Gabriel Valley to the nearest one-tenth (0.1) inch;

(2) Enter Table A in left-hand column at whole number of inches of rainfall; and

(3) Read horizontally to the vertical column representing the appropriate tenth of an inch of rainfall to obtain the quantity of Lower Area Annual Entitlement in acre-feet.

III. FUTURE MEASUREMENTS

It will be necessary to maintain records of measurement of stream flow, flow in pipelines, rainfall and depth to ground water at a number of locations. The purpose of this Part III is to locate and identify those measurement stations and to specify the manner in which the measurements are to be used in the future operation of the Judgment. The line through Whittier Narrows shown on Exhibit A as "narrowest section" is the line at which accounting shall be made of the water to be received in the future by Lower Area Parties. The Watermaster shall, insofar as practicable, utilize measurement data available from existing sources. When such data are not available the Watermaster may make such measurements as may be necessary or reasonably required for the purposes of this Judgment. The Watermaster is hereby authorized to re-establish, rebuild or replace measuring stations whenever necessary for the operation of this Judgment.

A. Surface Water Measurements and Calculations.

There may be several categories of water flowing on the surface through Whittier Narrows. Among them may be local stream flow, Lower Area Replenishment Water, Reclaimed Water and Make-up Water. The Watermaster shall have the responsibility of determining the quantities of each category of water flowing through Whittier Narrows in the future.

The approximate locations of stream measuring stations in and near Whittier Narrows are shown on Exhibit A. The surface

water measurements and calculations shall include the following:

1. Measurements of Surface Flow.

   a. Rio Hondo above Mission Bridge, Station F64-R.

   b. Mission Creek at San Gabriel Boulevard, Station F83-R.

   c. Rio Hondo By-pass Channel, Station F313-R.

   d. Whittier Narrows Flood Channel, Station E337-R.

   e. Calculation of Sycamore Canyon runoff based on annual rainfall to nearest inch at Station 170-C as shown on Table 6.

   f. San Gabriel River near Parkway Bridge. This is to be a new station to replace the existing station on San Gabriel River at Beverly Boulevard, Station F263B-R.

   g. The portion of Reclaimed Water from Whittier Narrows Reclamation Plant diverted to Rio Hondo.

2. Measurement of local storm inflow to the channel of each of the Rio Hondo and San Gabriel River within Montebello Forebay.

   a. Montebello storm drain, Station F181-R.

   b. Calculation of unmeasured local storm inflow.

3. Measurements of diversions to spreading grounds Montebello Forebay.

4. Measurement of surface outflow from Montebello Forebay in the channel of each of Rio Hondo and

San Gabriel River.

a. Rio Hondo above Stewart and Gray Road, Station F45B-R.

b. San Gabriel River at Florence Avenue, Station F262-R.

5. Measurement of Lower Area Replenishment Water imported to Upper Area from outside the watershed of the San Gabriel River system.

a. Rio Hondo By-pass Channel, Station F313-R.

b. San Gabriel By-pass Channel, Station F314-R.

c. San Gabriel River MWD Outlet, Station M335-R.

d. Alhambra Wash MWD Outlet, Station M340-R.

e. Any other measuring point or points in Upper Area at which such replenishment water is released.

6. Measurement of total Reclaimed Water from Whittier Narrows Reclamation Plant reclaimed by or on behalf of Lower Area Parties.

In the event that any of the aforementioned gaging stations are inoperative for any reason and for any period of time the Watermaster shall estimate the quantity that would have been measured at the station had it been operative. The estimate shall be based on correlation to nearby operative measuring stations or on other reasonable engineering methods.

TABLE 6

RAINFALL - RUNOFF RELATIONSHIP OF SYCAMORE CANYON*

Annual rainfall, in inches at Precipitation Station No. 170-C	Estimated runoff in acre-feet
6	5
7	10
8	15
9	25
10	35
11	45
12	60
13	75
14	90
15	105
16	125
17	145
18	170
19	200
20	240
21	275
22	315
23	355
24	400
25	445
26	490
27	535
28	580
29	630
30	685

Extrapolate for rainfall values in excess of 30 inches.

* Located on Westerly side of Whittier Narrows, upstream from dam and downstream from stream gaging Station F64-R. Approximate drainage area is 2.77 square miles.

B. Subsurface Flow

The determination of Subsurface Flow involves certain measurements and procedures which are set forth in this section. In connection with a recent comprehensive study made by the State of California, Department of Water Resources, for Bulletin No. 104, "Planned Utilization of the Ground Water Basins of the Coastal Plain of Los Angeles County", estimates were made of Subsurface Flow through Whittier Narrows. The State concluded that a reasonable method of determining Subsurface Flow was by the transmissibility method, which is based on Darcy's Law applied

at the location shown on Exhibit A as "narrowest section". Darcy's Law states that Q = PIA, in which

Q = Subsurface Flow

P = Permeability, in gallons per day per square foot under unit hydraulic gradient

I = Slope of water table

A = Cross-sectional area

Under this Judgment calculations shall be made by the Watermaster for the spring and fall of each year and because of slight variations due to the nature of the data available, Subsurface Flow for any one year will be equal to the tri-annual average of the quantities calculated for the three years ending with the year of calculation. In this manner, annual Subsurface Flow shall be based on the average of six calculations, the first of which shall be the spring of 1962.

The elevation of the ground surface at the "narrowest section" of Whittier Narrows is deemed to be 208 feet above sea level, and the width of the section is deemed to be 7,900 feet. Water levels fluctuate at Whittier Narrows and the cross-sectional area of the ground water at Whittier Narrows will vary with fluctuations in ground water elevation.

It should be noted that T = PD, where T = transmissibility in gallons per day per foot of width under unit hydraulic gradient and D = saturated depth in feet. Therefore PA = TW and Q = PAI = TWI. The product TW (or PA) for the entire cross-sectional area was determined to be 4,739.5 x 1,000,000 gallons per day, or 7,333.6 cfs. The actual slope of the water table, I, would then be applied to the calculated quantity of TW (or PA).

The average permeability of the material to a depth of 100 feet below the ground surface has been determined to be equal to 2,000 gallons per day per square foot, which is

equal to .003095 cubic feet per second per square foot. This represents the average permeability in the zone of water level fluctuation.

In order to correct for the unsaturated depth, the equation $Q = TWI$ is modified to $Q = (TW - C)I$ where

$C = P_1Wd$,

C = The flow which would occur in the unsaturated section if it were saturated, in cubic feet per second under unit hydraulic gradient.

P_1 = Average permeability for a distance of 100 feet below the ground surface.

W = The cross-sectional width, or 7,900 feet.

d = The distance from the water surface to the top of the ground, or 208 feet minus ground water elevation.

Utilizing the values of permeability shown above, then

$C = 24.45\ d$, in cubic feet per second, for values of "d" to a depth of 100 feet below the ground surface.

The "effective transmissibility" is equal to the total transmissibility times the width at the narrowest section minus C, or,

$$Tw_e = TW - C$$

$$Tw_e = 7{,}334 - C, \text{ in cubic feet per second.}$$

Subsurface Flow is equal to the effective transmissibility times the average slope of the water table. The formula derived from the foregoing, may be stated as follows:

$$Q = 724\ I\ [7{,}334 - 24.45\ (208 - E)]$$

Where: Q = Subsurface Flow in acre-feet per year,

I = Average adjusted slope of ground water surface at narrowest section, and

E = Ground water elevation of the water surface in feet above sea level at the narrowest cross-section.

The detailed steps to be carried out by the Watermaster are as follows:

(1) Ground water level contour maps in the vicinity of Whittier Narrows are drawn on the basis of water level measurements.

(2) A line representing the narrowest cross-section is drawn on the ground water contour maps.

(3) This line is subdivided into four equal lengths.

(4) The average slope of the water table at each of the three points within the narrowest section is determined along a line perpendicular to the ground water contours in the manner heretofore used by the State of California, Department of Water Resources.

(5) Adjustment is made to the ground water slope at each of the three points so that it is perpendicular to the narrowest section by:

(a) measuring the angle, in degrees, between the line representing the narrowest cross-section and the tangent to the flow line at the narrowest cross-section,

(b) applying the sine of that angle to the previously determined slope to determine the adjusted slope, and

(c) obtaining an average of the three adjusted slopes to represent the average slope through the narrowest cross-section.

(6) The elevation of the water surface at the narrowest cross-section is determined by interpolating between the ground water contours.

(7) The distance to the ground water surface is computed from the top of the ground by the formula: $d = 208 - E$, where E represents the average water level elevation of the narrowest cross-section, in feet.

(8) The correction factors for the transmissibility for the area from the top of ground to the water surface is computed by the formula $C = 24.45\ d$, in cubic feet per second.

(9) The effective transmissibility is computed by the formula $Tw_e = 7,334 - C$, in cubic feet per second.

(10) Subsurface Flow is computed by multiplying the effective transmissibility by the average adjusted slope.

(11) The computed Subsurface Flow, in cubic feet per second, is converted to acre-feet per year by multiplying it by 724.

The selected wells within the vicinity of Whittier Narrows which have been used for drawing the ground water contours are as follows:

Location No.	State No.
2927B	2S 11W 06M01S
2927D	06K01S
2928	07B01S
2936	06A01S
2936A	1S 11W 31J03S
2938A	2S 11W 07H1S
2938D	05N05S
2939	08N01S
2939B	18B01S
2939G	07R01S
2947C	-
2947F	05L01S
2947N	05P01S
2948	05N04S
2948E	08B02S
2948F	08L03S
2957H	-

The Watermaster shall obtain measurements of ground water elevations in the spring and fall of each year when they are at their approximate high and low levels, respectively. Such measurements may be made at, but need not be limited to, all of the above listed wells.

C. Export to Lower Area

If present measuring devices on existing conduits are inadequate, the Watermaster shall install or cause to be installed adequate measuring devices to determine the amount of Export to Lower Area.

IV. ACCOUNTING

Utilizing the appropriate measurements described in the previous portion of this Exhibit B, the Watermaster shall maintain accounts for the determination of Lower Area Annual Entitlement, the annual amount of Usable Water, Make-up Water to be delivered, Make-up Water received, the annual total amount of Usable Water and Make-up Water, the accumulated Lower Area Annual Entitlements, the accumulated amounts of Usable Water and Make-up Water received subsequent to September 30, 1963, Accrued Debit of Upper Area or Accrued Credit of Upper Area, and records necessary for accomplishing the Long-term Accounting.

In maintaining the accounting records listed above, the Watermaster shall establish the necessary accounting procedures to accomplish the recordation of data and required calculations for accomplishment of the provisions set forth in paragraph 5 of the Judgment.

A. Components of Usable Water

1. Surface Flow. Surface Flow shall be measured as set forth in Part III.A. of this exhibit to include all water other than Export to Lower Area and Subsurface Flow which passes from Upper Area to Lower Area through Whittier Narrows. When the new station to be constructed on the San Gabriel River near Parkway Bridge is completed, it shall replace the gaging station on the San Gabriel River at Beverly Boulevard, Station F263B-R. Until such new station is in operation, Surface Flow as measured at Station F263B-R shall be increased by the amount of Surface Flow which has percolated or been diverted between Station F263B-R and the point of maximum rising water. The Watermaster shall determine the quantity so percolated or diverted based upon available measurements by the Los Angeles County Flood Control District.

2. Subsurface Flow. Subsurface Flow shall be calculated in accordance with the procedures heretofore set forth.

3. Export to Lower Area. The Watermaster shall reduce to acre-feet the meter readings on each of the conduits transporting through Whittier Narrows water diverted from surface streams in Upper Area or pumped or developed from underground sources in Upper Area. These quantities shall be used to determine Export to Lower Area except that after September 30, 1966, Export to Lower Area used for determination of Usable Water shall not exceed 23,395 acre-feet per year. (Paragraph 3(1) of this Judgment.)

B. Calculation of Usable Water

After determining the amounts of Surface Flow, Subsurface Flow and Export to Lower Area during a Water Year, as provided above, the Watermaster, in order to determine the extent to which such water constitutes the receipt of Usable Water by Lower Area during such Water Year, shall deduct from the total of such amounts, the following:

1. Lower Area Replenishment Water. An amount equal to the total quantity of Lower Area Replenishment Water released in Upper Area in each Water Year subsequent to September 30, 1963, less such amount, if any, as the Watermaster determines to be lost due to evaporation or transpiration prior to the receipt of such water in Lower Area;

2. Reclaimed Water. An amount equal to the total quantity of Reclaimed Water which is reclaimed by or on behalf of Lower Area Parties;

3. Make-up Water. An amount equal to the quantity of Make-up Water delivered to Lower Area during such Water Year, calculated as hereafter provided, to the extent included in

Surface Flow or Export to Lower Area;

4. Paragraph 3(1)(6) Water. An amount equal to the quantity of any water which falls within the scope of paragraph 3(1)(6) of the Judgment; and

5. Unusable Surface Flow. An amount equal to the quantity of Unusable Surface Flow, which is determined by deducting from the total outflow as measured at Stations F45B-R and F262-R: (1) Local Storm Outflow and (2) the portion of Surface Flow which has been caused to pass said stations by reason of any spreading of water in Montebello Forebay by or on behalf of Lower Area Parties.

Local Storm Outflow is a portion of local storm inflow originating in Montebello Forebay upstream from said measuring stations, the amount of which outflow is to be determined as hereinafter provided. When actual measurements of local storm inflow are not available, the amount thereof discharging to the channels of Rio Hondo or San Gabriel River within Montebello Forebay upstream from stations F45B-R and F262-R shall be estimated by correlation with the local storm inflow measured at Montebello Storm Drain, Station F181-R. Such quantities shall be estimated on the basis of the individual drainage areas of storm drain projects and the runoff per unit area determined from the Montebello Storm Drain, Station F181-R, during the particular time interval under consideration. When water is flowing out of Montebello Forebay on the surface in the Rio Hondo or San Gabriel River channels, the Watermaster shall determine Local Storm Outflow as follows:

a. Local Storm Outflow from Rio Hondo. When outflow occurs at Station F45B-R, all local storm inflow, both measured and estimated, which enters the Rio Hondo channel between that station and Upper Area shall constitute Local Storm Outflow from Rio Hondo, but the amount thereof shall not exceed the amount of

outflow at Station F45B-R for such periods.

b. Local Storm Outflow from San Gabriel River. At such times as local storm inflow does not join Surface Flow in San Gabriel River, the portion of such local storm inflow passing Station F262-R shall constitute Local Storm Outflow. In addition, at such times as Surface Flow in the San Gabriel River commingles with the local storm inflow, then the Watermaster shall determine Local Storm Outflow as follows:

(1) Calculate the total amount of local storm inflow to the San Gabriel River during such times, but such amount to be used in the determination of Local Storm Outflow shall not exceed the amount of San Gabriel River outflow passing Station F262-R during such periods.

(2) Calculate the Local Storm Outflow passing Station F262-R during such times, which calculation shall be based on the Surface Flow and local storm inflow to the San Gabriel River channel, giving appropriate weight to the quantities involved and the distance the respective quantities of water traverse Montebello Forebay in said channel.

(3) These two calculations shall then be averaged arithmetically and the resulting amount shall be Local Storm Outflow from San Gabriel River.

C. Determination and Delivery of Make-up Water

1. By Additions to Surface Flow (paragraph 5(i)(1) of Judgment). The determination of the amount of Make-up Water which is delivered to Lower Area as an addition to Surface Flow shall be based upon (a) measurements of Make-up Water at the

delivery outlet of such water upstream from Whittier Narrows, (b) measurements of water consisting in whole or in part of Make-up Water passing the applicable stations listed in Part III.A.1. of this Exhibit B, and (c) such deductions from the measurements of Make-up Water at said stations so listed as are necessary to take into account (i) the amount of any water other than Make-up Water included in the measurements at said stations so listed, (ii) any losses due to evaporation or transpiration of Make-up Water after such measurement and prior to its receipt in Lower Area, and (iii) any percolation of Make-up Water after such measurement and prior to the time it reaches the "narrowest section" in Whittier Narrows.

As changing conditions may require, the Watermaster shall change the points of measurement of Make-up Water in order to obtain those measurements necessary to determine the amount of Make-up Water delivered to Lower Area Parties by means of increasing Surface Flow.

2. By Payment for Reclaimed Water (paragraph 5(i)(2) of the Judgment). The Watermaster shall determine (a) the quantity of Reclaimed Water reclaimed at the Whittier Narrows Water Reclamation Plant as it existed October 1, 1963, and which when so reclaimed shall have been passed through Whittier Narrows, and (b) the quantity, if any, of Reclaimed Water reclaimed at any future additions to said plant after September 30, 1963, and which when so reclaimed shall have been passed through Whittier Narrows. Such quantities shall be ascertained from the records of Los Angeles County Flood Control District.

Upon being advised that a payment has been made by Upper District or Defendants to Central Municipal pursuant to the provisions of paragraph 5(i)(2) of the Judgment, the Watermaster shall credit Upper Area Parties with the delivery of Make-up Water computed according to said paragraph of the

Judgment.

3. By Deliveries to a Lower Area Party (paragraph 5(i)(3) of the Judgment). Any Make-up Water delivered directly to a Lower Area Party with the consent of Plaintiffs shall be metered and the meter records reduced to acre-feet per year. Upon being advised that a Lower Area Party has received a direct delivery of Make-up Water pursuant to the provisions of paragraph 5(i)(3) of the Judgment, the Watermaster shall credit Upper Area Parties with delivery of such Make-up Water in the Water Year in which it was so delivered.

D. Long-term Accounting

The Watermaster shall maintain a record of the annual rainfall in the San Gabriel Valley, including a running average of such rainfall, so that the Watermaster will be informed when a Long-term Accounting shall be carried out as specified in paragraph 5(h) of the Judgment, and shall thereafter perform the necessary calculations for accomplishment of the adjustment, if any, between the aggregate amount of water received compared to the aggregate entitlement for the period.

E. Water Usable for Ground Water Replenishment

With respect to any delivery of Make-up Water the Watermaster shall determine the suitability of such water for ground water replenishment. The Watermaster shall gather, insofar as readily available from public and private agencies, data relating to the quality of all categories of water, Surface Flow, Subsurface Flow, Export to Lower Area, Reclaimed Water, Lower Area Replenishment Water and Make-up Water.

REIMBURSEMENT CONTRACT

LONG BEACH v. SAN GABRIEL

d.

REIMBURSEMENT CONTRACT

Contents | Page

RECITALS 1
1. The Action 1
2. Judgment 1
3. Public Interest in Settlement 2

DEFINITIONS 2
1. "Contract Costs" 2
2. "Assessable Pumpage" 3
3. Common Terms With Judgment 3

OPERATIVE PROVISIONS 3
1. Consideration for Execution 3
2. Intervention by Upper District 4
3. Administration 4
4. Covenant to Reimburse 4
5. Allocation of Costs Among Pumpers 5
6. Reports by Pumpers 5

(a) Time and Procedure for Filing 5
(b) Contents of the Report 5
(c) Determination in Lieu of Report 6

7. Notice of Assessment 6
8. Payment--Delinquency and Default 6
9. Redetermination of Assessable Pumpage 7

(a) Notice of Request for Redetermination . . . 7
(b) Availability of Records 8
(c) Investigation and Notice of Hearing 8
(d) Conduct of Hearing and Decision 8
(e) Reallocation of Contract Costs 9

10. Water Rights Unaffected 9
11. Changed Conditions 9

(a) Allocation of Portion of Burden to Taxes . 10
(b) Imposition of Pump Tax 10
(c) Adjudication of Rights 10

12. Effective Date 11
13. Validation 11
14. Term 11
15. Notices 12
16. Additional Parites 12
17. Successors and Assigns 14
18. Execution in Counterparts 15

ed.

REIMBURSEMENT CONTRACT

THIS CONTRACT is made by and between UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, herein called "Upper District", and the cities of ALHAMBRA, ARCADIA, AZUSA, COVINA, EL MONTE, GLENDORA, MONTEREY PARK, MONROVIA, SOUTH PASADENA, and WHITTIER; BALDWIN PARK COUNTY WATER DISTRICT, and SAN GABRIEL COUNTY WATER DISTRICT; AZUSA AGRICULTURAL WATER COMPANY, AZUSA VALLEY WATER COMPANY, CALIFORNIA DOMESTIC WATER COMPANY, CALIFORNIA WATER & TELEPHONE COMPANY, COLUMBIA LAND AND WATER COMPANY, COVINA IRRIGATING COMPANY, CROSS WATER COMPANY, DUARTE WATER COMPANY, EAST PASADENA WATER COMPANY, LTD., GLENDORA IRRIGATING COMPANY, SAN DIMAS WATER COMPANY, SAN GABRIEL VALLEY WATER COMPANY, SOUTHERN CALIFORNIA WATER COMPANY, SUBURBAN WATER SYSTEMS, SUNNYSLOPE WATER COMPANY, and VALLECITO WATER COMPANY, corporations, herein collectively called "Pumpers."

ed.

RECITALS

1. The Action. In the matter of Board of Water Commissioners of the City of Long Beach, et al. v. San Gabriel Valley Water Company, et al., (L. A. Superior Court No. 722,647) the water rights of substantially all major water producers in the main San Gabriel Valley are sought to be restricted.

2. Judgment. The parties named above, except City

of Whittier, are concurrently executing a Stipulation that a Judgment substantially in the form annexed hereto shall be rendered and it is anticipated that such Judgment will be rendered in the action.

3. Public Interest in Settlement. It is in the best interests of the Pumpers and in the best interests of the water users and taxpayers within the corporate boundaries of those Pumpers which are public agencies, of the consumers of those Pumpers which are utilities or mutual water companies, and of all residents and taxpayers of Upper District, that said action be settled and disposed of in accordance with the terms of said judgment in order to preserve the water supplies within Upper Area.

DEFINITIONS

1. "Contract Costs" -- All costs hereafter paid by Upper District:

ed.

(a) In providing Make-up Water under the terms of the judgment. In computing such cost of providing Make-up Water, any cost which Upper District shall pay which it would have paid even though it had not provided Make-up Water shall be excluded; and particularly but not exclusively, no amount which shall be paid to The Metropolitan Water District of Southern California as a condition to any past or future annexation shall be

deemed a cost of providing Make-up Water. Such costs may include interest paid by Upper District upon money borrowed for advancements made by it or interest which would have been received by the District, but which it lost by reason of making such advancements.

(b) In complying with the terms of said judgment.

(c) In keeping the records, making the determinations and collecting the moneys required by the later provisions of this contract.

2. "Assessable Pumpage" -- The amount of ground water produced in the applicable calendar year by or on behalf of any Pumper by pumping or extraction thereof from the Upper Area, including ground water produced under rights hereafter acquired from any source.

ed.

3. Common Terms With Judgment -- All terms specially defined in said judgment are used herein in the sense in which they are therein defined, and said special definitions are incorporated herein by this reference.

OPERATIVE PROVISIONS

1. Consideration for Execution. The great majority of the defendants in the action are situated in whole or in part within Upper District and pump water therein. Certain defendants, including the Cities of Alhambra, Azusa and

Monterey Park, as well as the City of Whittier which is not a defendant, lie outside Upper District. Execution of this agreement by all parties to it is essential to induce each party hereto to execute this agreement, and likewise, execution of the Stipulation for Judgment by all defendants in the action is necessary to induce each party hereto to execute this contract. Each party executes this contract in consideration of its execution by the other parties, and in consideration of the execution of the Stipulation by the parties thereto. Moreover, by this contract each party other than City of Whittier waives its right to cross-complain in the action so as to bring City of Whittier into the action as a party.

2. Intervention by Upper District. In consideration of the execution of this contract by Pumpers and to contribute to the physical solution of providing adequate water for its inhabitants, Upper District has intervened as a defendant in the action and agrees to execute the stipulation for said judgment.

3. Administration. Upper District shall administer the provisions of Paragraphs 6 through 9, below, as to all Pumpers, including additional parties hereto mentioned in Paragraph 16.

4. Covenant to Reimburse. Each Pumper hereby agrees to pay to Upper District such Pumper's share of Contract

Costs allocated and determined as provided below.

5. Allocation of Costs Among Pumpers. Pumpers agree among themselves, each for the benefit of all other Pumpers, to share and participate in the payment of any sums due Upper District hereunder in such proportion as the Assessable Pumpage of each Pumper bears to the total Assessable Pumpage of all Pumpers for the applicable period covered by any assessment as hereinafter provided, subject to the provisions of Paragraph 9 below.

6. Reports by Pumpers. Pumpers shall file under penalty of perjury the reports hereinafter specified in the form provided by Upper District, as follows:

(a) Time and Procedure for Filing. Each year, on or before March 1, each Pumper shall file with Upper District a written report of its extractions of water from Upper Area for the preceding calendar year containing the information set forth in subparagraph (b) of this paragraph.

ed.

(b) Contents of the Report. Such annual reports to Upper District shall set forth:

(1) The name and address of the Pumper; and

(2) The number of acre feet of water which was pumped or extracted from Upper Area by or on behalf of the Pumper during

the calendar year covered.

(c) Determination in Lieu of Report. In the event any Pumper fails to so file such report, Upper District may make a determination of the Assessable Pumpage of such Pumper, which determination shall be final and binding.

7. Notice of Assessment. On or before June 1 of each year, Upper District shall serve a Notice of Assessment on each Pumper covering the preceding calendar year which will contain a statement of:

(a) The amount of Assessable Pumpage by each Pumper;

(b) A detailed statement of Contract Costs during the preceding calendar year, if any; and

(c) A statement of the amount of such Contract Costs which are assessable to and payable by the Pumper to whom such notice is sent.

ed.

8. Payment--Delinquency and Default. All assessments herein provided for shall be due and payable on the following July 31. In the event of nonpayment of any assessment, Upper District may bring an action and shall have the right to recover such assessment, together with interest thereon at the rate of 7% per annum from the date of delinquency and costs of suit, including any reasonable attorneys' fees incurred.

If, after due diligence, Upper District is unable to collect a Pumper's allocated cost, such uncollectible amount (including interest, costs and attorneys' fees) shall be prorated among and paid by the other Pumpers in the same proportions as they paid assessments for the year or years in question. Said proration shall be billed and payable with the next succeeding assessment.

9. Redetermination of Assessable Pumpage. Any Pumper may at any time within 90 days after receipt of any Notice of Assessment request a redetermination of the Assessable Pumpage of such Pumper or of any other Pumper or Pumpers reflected in such notice. Such request shall be addressed in writing to Upper District and shall set forth the basis of the requesting Pumper's belief that such data are incorrect. Upon the receipt of any request, the following procedures shall be undertaken by Upper District:

ed.

(a) Notice of Request for Redetermination. Upper District shall forthwith notify in writing any Pumper whose Assessable Pumpage has been questioned, of the fact of such request and the name of the requesting Pumper. Notice shall further be sent to all Pumpers that procedures will be undertaken pursuant to this paragraph, and shall state briefly the issues to be determined.

(b) Availability of Records. Subsequent to such notice, the records of the Pumper whose Assessable Pumpage is subject to a request for redetermination shall be made available at reasonable hours and upon reasonable demand to Upper District, insofar as such records are relevant to a determination of the Assessable Pumpage of the Pumper during the period involved.

(c) Investigation and Notice of Hearing. Upper District shall conduct an investigation and shall by written decision served on all Pumpers redetermine or affirm such Assessable Pumpage. Upper District may at its option set a date for hearing. In such event, at least ten days' notice in writing of said hearing date shall be given to all Pumpers.

ed.

(d) Conduct of Hearing and Decision. If hearing be held, Upper District shall not be bound therein by strict rules of evidence, but may rely on any evidence which it deems of probative value. Any Pumper may present evidence and arguments thereat. The written decision of Upper District, with or without such hearing, shall be served on all Pumpers and shall be conclusive for purposes of this contract, unless said issue is submitted

to a court of competent jurisdiction within 90 days from notice of such decision.

(e) Reallocation of Contract Costs. If Assessable Pumpage is modified by any such decision, Contract Costs shall be reallocated in accordance therewith. Said reallocation shall be billed and payable with the next succeeding assessment.

10. Water Rights Unaffected. This contract relates solely to the equitable allocation of Contract Costs and does not involve or constitute an admission or agreement as to the water rights of any Pumper. Execution of this contract shall not prevent any party hereto from bringing or maintaining any action or proceeding to determine rights to pump, extract or store water, or to limit or curtail any pumping, extraction or storage of water in or from Upper Area or elsewhere, except as limited by Paragraphs 1 and 16 of the Operative Provisions hereof.

ed.

11. Changed Conditions. It is recognized that conditions in Upper Area may hereafter change to such an extent that it may become equitable to modify either the total obligation of Pumpers to Upper District hereunder or the allocation of Contract Costs. While this contract is entered into to assure Upper District of reimbursement of an amount up to its entire Contract Costs, it is not intended hereby, and this contract shall not be deemed, to prevent Upper District

from modifying and reducing such obligation or from applying other relief which may reduce the burden on Pumpers. Without limitation upon the power of Upper District to otherwise reduce the aggregate amount payable under this contract, the following specific instances of changed conditions are contemplated:

(a) Allocation of Portion of Burden to Taxes. It may at some future date appear equitable and fair to allocate all or a portion of Contract Costs to ad valorem taxes or other revenues of Upper District. In such event, Upper District may, in the discretion of its Board of Directors, allocate all or a portion of Contract Costs to such revenue sources and the remainder, if any, thereof, shall be payable under the terms of this contract.

(b) Imposition of Pump Tax. If Upper District should acquire and exercise the right to levy a tax upon the pumping or extraction of ground water, then the aggregate of such tax shall be credited proportionally amongst Pumpers with respect to Assessable Pumpage within Upper District.

(c) Adjudication of Rights. If all or substantially all of the water rights within Upper Area shall be adjudicated (including the rights of all Pumpers), and its natural and safe yield

determined, then this contract shall be deemed modified to the extent that Assessable Pumpage shall include only that amount of water produced over and above the safe yield portion of adjudicated rights owned by any Pumper; provided that this subparagraph (c) shall not apply to any year in which the aggregate of all Assessable Pumpage as so modified is less than 25,000 acre feet.

12. Effective Date. This contract shall be effective ten (10) days after notice in writing of execution thereof by all parties, which notice shall be given to all Pumpers by Upper District, but shall cease and terminate on July 1, 1966, unless by said date (a) this contract shall have been validated as provided below, and (b) the Judgment shall have been rendered.

ed.

13. Validation. Within four months after this contract becomes effective, a proceeding or proceedings shall be instituted by Upper District in a court of competent jurisdiction by an appropriate action or actions for determination of the validity of this contract.

14. Term. The term of this contract shall commence upon its effective date and continue so long as the Judgment, as entered or as modified, shall remain in effect, subject, however, to the provisions of Paragraph 12 above.

15. Notices. Any notice to be served upon any party hereunder may be served either personally or by mail. If served by mail, such notice shall be mailed in the County of Los Angeles, State of California, by certified mail, postage prepaid, return receipt requested, or by registered mail, and shall be addressed to the party to be served at its address as set forth below, or (in the case of Upper District) at such other address as it may have last specified in writing to the Pumper or Pumpers involved for the service of notices hereunder, or (in the case of a Pumper) at such other address as it may have last specified in writing to Upper District for the service of notices hereunder. Any notice so served by mail shall be deemed to have been served upon the first business day (excluding Saturdays, Sundays and holidays) after such mailing.

ed.

16. Additional Parties. In addition to Pumpers and their successors and assigns referred to in Paragraph 17 below, any other person or entity who or which shall pump or extract water in or from Upper Area (herein referred to as an "additional party"), may become a party to this contract, provided (a) Upper District shall give its written consent thereto, and (b) no Pumper or additional party shall serve upon Upper District its written objection thereto. If Upper District shall give its written consent to execution of this contract by an applying additional party, it shall

then give written notice of such application and consent by Upper District to each Pumper and each additional party, and if within thirty (30) days after such notice no Pumper or additional party shall have served upon Upper District its written objection to execution of this contract by the applying additional party, such additional party's application shall be deemed to have been accepted and it may become a party to this contract by delivery to Upper District of a duly executed instrument in writing stating that such person or entity joins in and becomes a party to this contract.

Any additional party so joining shall become bound by all obligations of this contract, becoming due or which should be performed within the terms of this contract on and after the ensuing January 1. Such obligations include the duty to make the report of extractions during the preceding calendar year (i.e., the year in which the contract is executed) required by Paragraph 6, and to make the payment based upon such extractions as required by Paragraph 5, provided, however, that such additional party shall have no liability under Paragraph 8 with respect to any nonpayments of an assessment based upon extractions by a Pumper or other additional party prior to the year in which such additional party joins in this contract.

As to each Pumper who executes this contract after it becomes effective, Upper District agrees that for a

period of 90 days after giving its said written consent, it will bring no action against such additional party to limit or define its rights to pump water in or from Upper Area. Further, if more than one such Pumper shall become a party to this agreement at the same time as any other pumper, each will execute and shall be deemed to have executed this contract and to have joined therein in consideration of the joinder in this contract by the other or others concurrently joining in this contract.

Any such additional party shall be deemed a Pumper for all purposes of this agreement.

17. Successors and Assigns. This contract shall inure to the benefit of and bind the successors in ownership of the water rights of the parties. If any Pumper shall sell or transfer or agree to sell or transfer its water rights in Upper Area or any part of such water rights, such Pumper shall require as a condition of any such sale, transfer or agreement that the purchaser or transferee, if not already a party to this contract, shall execute this contract and become a party thereto. Upon a full transfer of such rights by a Pumper and assumption by the assignee as above provided, the assigning Pumper shall be discharged of obligation hereunder. If such Pumper fails to obtain such assumption (except in cases of a transfer under order of court or by operation of law) the assigning Pumper shall

remain bound by the contract and production of water by said assignee by the exercise of the right assigned shall be treated as production by such Pumper.

18. Execution in Counterparts. This contract may be executed in counterparts (each counterpart being an exact copy or duplicate of the original) and all counterparts collectively shall be considered as constituting one complete contract.

IN WITNESS WHEREOF this contract is executed by the undersigned by its duly authorized officer.

Dated: _____.

_____

By _____

(SEAL)

By _____

ed.

APPENDIX G

MAIN SAN GABRIEL BASIN JUDGMENT

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

UPPER SAN GABRIEL VALLEY
MUNICIPAL WATER DISTRICT

Plaintiff,

vs.

CITY OF ALHAMBRA, et al,

Defendants.

No. 924128

AMENDED JUDGMENT
(and Exhibits Thereto),

Honorable Florence T. Pickard
Assigned Judge Presiding

Original Judgment
Signed and Filed: December 29, 1972;
Entered: January 4, 1973
Book 6741, Page 197

JUDGMENT AS AMENDED AUGUST 24, 1989

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SUPERIOR COURT OF CALIFORNIA, COUNTY OF LOS ANGELES

UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, Plaintiff, vs. CITY OF ALHAMBRA, et al., Defendants.	No. 924128 AMENDED JUDGMENT (And Exhibits Thereto)

HONORABLE FLORENCE T. PICKARD

Assigned Judge Presiding

DEPARTMENT 38

August 24, 1989

AMENDED JUDGMENT
TABLE OF CONTENTS

And
Amended Judgment Sections
Identified With Prior Judgment
Section Numbers

		Page
I. INTRODUCTION.		1
1.	Pleadings, Parties and Jurisdiction	1
2.	Stipulation for Entry of Judgment	2
3.	Lis Pendens . .(New)	2
4.	Findings and Conclusions . .(Prior 3)	2
5.	Judgment . .(New)	2
6.	Intervention After Judgment . .(New)	2
7.	Amendments to Judgment . .(New)	3
8.	Transfers . .(New)	3
9.	Producers and Their Designees . .(New)	3
10.	Definitions . .(Prior 4)	3
	(a) Base Annual Diversion Right	3
	(b) Direct Use	3
	(c) Divert or Diverting	3
	(d) Diverter	4
	(e) Elevation	4
	(f) Fiscal Year	4
	(g) Ground Water	4
	(h) Ground Water Basin	4
	(i) Integrated Producer	4
	(j) In-Lieu Water Cost	4
	(k) Key Well	4
	(l) Long Beach Case	4
	(m) Main San Gabriel Basin or Basin	4

(n) Make-up Obligation 5
(o) Minimal Producer 5
(p) Natural Safe Yield 5
(q) Operating Safe Yield 5
(r) Overdraft 5
(s) Overlying Rights. . .(Prior (r) [1]). . . . 5
(t) Physical Solution . .(Prior (s)). 5
(u) Prescriptive Pumping Right . .(Prior (t)). 5
(v) Produce or Producing . .(Prior (u)). . . . 6
(w) Producer . .(Prior (v)). 6
(x) Production . .(Prior (w)). 6
(y) Pump or Pumping . .(Prior (x)). 6
(z) Pumper . .(Prior (y)). 6
(aa) Pumper's Share . .(Prior (z)). 6
(bb) Relevant Watershed . .(Prior (aa)) 6
(cc) Replacement Water . .(Prior (bb)) 6
(dd) Responsible Agency . .(Prior (cc)) 7
(1) Upper District 7
(2) San Gabriel District 7
(3) Three Valleys District 7
(ee) Stored Water . .(Prior (dd)) 7
(ff) Supplemental Water . .(Prior (ee)) 7
(gg) Transporting Parties . .(Prior (ff)) . . . 7
(hh) Water Level . .(Prior (gg)) 8
(ii) Year . .(Prior (hh)) 8
11. Exhibits . .(Prior 5). 8
II. **DECREE** 9
A. **DECLARATION OF HYDROLOGIC CONDITIONS**. 9

12. Basin as Common Source of Supply .(Prior 6). . . 9
13. Determination of Natural Safe Yield .(Prior 7). . 10
14. Existence of Overdraft. .(Prior 8). 10
B. DECLARATION OF RIGHTS 10
15. Prescription . .(Prior 9). 10
(a) Prior Prescription 10
(b) Mutual Prescription. 10
(c) Common Ownership of Safe Yield and Incidents Thereto 11
16. Surface Rights . .(Prior 10) 11
17. Ground Water Rights . .(Prior 11) 11
18. Optional Integrated Production Rights (Prior 12). 12
19. Special Category Rights . .(Prior 13) 12
20. Non-consumptive Practices . .(Prior 14) 12
21. Overlying Rights . .(Prior 14.5) 13
C. INJUNCTION 14
22. Injunction Against Unauthorized Production . .(Prior 15) 14
23. Injunction re Non-consumptive Uses. (Prior 16). . 15
24. Injunction Against Changing Overlying Use Without Notice to Watermaster (Prior 16.5). 15
25. Injunction Against Unauthorized Recharge (Prior 17) 15
26. Injunction Against Transportation From Basin or Relevant Watershed . .(Prior 18) . 15
D. CONTINUING JURISDICTION 16
27. Jurisdiction Reserved . .(Prior 19) 16
E. WATERMASTER. 17
28. Watermaster to Administer Judgment .(Prior 20) . 17

29. Qualification, Nomination and Appointment (Prior 21). 17
(a) Qualification 17
(b) Nomination of Producer Representatives . . . 17
(c) Nomination of Public Representatives. . . . 18
(d) Appointment 18
30. Term and Vacancies . .(Prior 22) 18
31. Quorum . .(Prior 23) 18
32. Compensation . .(Prior 24) 19
33. Organization . .(Prior 25) 19
(a) Minutes. 19
(b) Regular Meetings 20
(c) Special Meetings 20
(d) Adjournments 20
34. Powers and Duties . .(Prior 26) 21
(a) Rules and Regulations. 21
(b) Acquisition of Facilities. 21
(c) Employment of Experts and Agents 21
(d) Measuring Devices, etc. 21
(e) Assessments. 22
(f) Investment of Funds. 22
(g) Borrowing. 22
(h) Purchase of and Recharge With Supplemental Water 22
(i) Contracts. 22
(j) Cooperation With Existing Agencies 22
(k) Assumption of Make-up Obligation 23
(m) Water Quality. 23

(n) Cyclic Storage Agreements. 23
(o) Notice List. 24
35. Policy Decisions -- Procedure. .(Prior (27). . . 24
36. Reports. .(Prior 28) 25
37. Review Procedures . .(Prior 29) 25
(a) Effective Date of Watermaster Action. . . . 25
(b) Notice of Motion. 25
(c) Time For Motion 26
(d) **De Novo** Nature of Proceeding. 26
(e) Decision. 26
F. PHYSICAL SOLUTION. 26
38. Purpose and Objective . .(Prior 30) 26
39. Need for Flexibility. .(Prior 31) 26
40. Watermaster Control . .(Prior 32) 27
41. General Pattern of Contemplated Operation
(Prior 33). 27
42. Basin Operating Criteria. .(Prior 34) 28
43. Determination of Operating Safe Yield (Prior 35). 28
(a) Preliminary Determination 28
(b) Notice and Hearing. 29
(c) Watermaster Determination and Review
Thereof 29
44. Reports of Pumping and Diversion. .(Prior 36). . 29
45. Assessments -- Purpose. .(Prior 37) 30
(a) Watermaster Administration Costs 30
(b) Replacement Water Costs 30
(c) Make-up Obligation. 31
(d) In-Lieu Water Cost. 31

(e) Basin Water Quality Improvement 31
46. Assessments -- Procedure . .(Prior 38) 32
(a) Levy and Notice of Assessment. 32
(b) Payment 32
(c) Delinquency 33
47. Availability of Supplemental Water From Responsible Agency . .(Prior 39). 33
48. Accumulation of Replacement Water Assessment Proceeds. . (Prior 40) 33
49. Carry-over of Unused Rights . .(Prior 41) . . . 34
50. Minimal Producers . .(Prior 42) 34
51. Effective Date. .(Prior 43). 34
G. MISCELLANEOUS PROVISIONS 35
52. Puente Narrows Flow . .(Prior 44). 35
53. San Gabriel District -- Interim Order (Prior 45) . 35
54. Service Upon and Delivery to Parties of Various Papers . .(Prior 46) 36
55. Assignment, Transfer, etc., of Rights (Prior 47) . 37
56. Abandonment of Rights . .(Prior 48). 37
57. Intervention After Judgment . .(Prior 49). . . . 38
58. Judgment Binding on Successors, etc., (Prior 50) . 38
59. Water Rights Permits. (Prior 51). 39
60. Costs . .(Prior 52). 39
61. Entry of Judgment . .(New) 39

EXHIBITS

"A" -- Map entitled "San Gabriel River Watershed Tributary to Whittier Narrows"

Exhibits Continued

"B" -- Boundaries of Relevant Watershed

"C" -- Table Showing Base Annual Diversion Rights of Certain Diverters

"D" -- Table Showing Rights and Pumper's Share of Each Pumper

"E" -- Table Showing Production Rights of Each Integrated Producer

"F" -- Table Showing Special Category Rights

"G" -- Table Showing Non-consumptive Users

"H" -- Watermaster Operating Criteria

"J" -- Puente Narrows Agreement

"K" -- Overlying Rights

"L" -- List of Producers and Their Designees (New)

"M" -- Watermaster Members, Officers, and Staff Including Calendar Year 1989 (New)

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SUPERIOR COURT OF CALIFORNIA, COUNTY OF LOS ANGELES

UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, Plaintiff, vs. CITY OF ALHAMBRA, et al., Defendants.	No. 924128 AMENDED JUDGMENT Hearing: August 24, 1989 Department 38, 9:00 A.M.

The Petition of the MAIN SAN GABRIEL BASIN WATERMASTER for this AMENDED JUDGMENT herein, came on regularly for hearing in this Court before the HONORABLE FLORENCE T. PICKARD, ASSIGNED JUDGE PRESIDING, on August 24, 1989; Ralph B. Helm appeared as attorney for Watermaster - Petitioner; and good cause appearing, the following ORDER and AMENDED JUDGMENT are, hereby, made:

I. INTRODUCTION

1. Pleadings, Parties, and Jurisdiction. The complaint herein was filed on January 2, 1968, seeking an adjudication of water rights. By amendment of said complaint and dismissals of certain parties, said adjudication was limited to the Main San Gabriel Basin and its Relevant Watershed. Substantially all

defendants and the cross-defendant have appeared herein, certain defaults have been entered, and other defendants dismissed. By the pleadings herein and by Order of this Court, the issues have been made those of a full inter se adjudication of water rights as between each and all of the parties. This Court has jurisdiction of the subject matter of this action and of the parties herein.

2. Stipulation for Entry of Judgment. A substantial majority of the parties, by number and by quantity of rights herein Adjudicated, Stipulated for entry of a Judgment in substantially the form of the original Judgment herein.

3. **Lis Pendens.** (New) A **Lis Pendens** was recorded August 20, 1970, as Document 2650, in Official Records of Los Angeles County, California, in Book M 3554, Page 866.

4. Findings and Conclusions. (Prior Judgment Section 3) Trial was had before the Court, sitting without a jury, John Shea, Judge Presiding, commencing on October 30, 1972, and Findings of Fact and Conclusions of Law have been entered herein.

5. Judgment. (New) Judgment (and Exhibits Thereto), Findings of Fact and Conclusions of Law (and Exhibits thereto), Order Appointing Watermaster, and Initial Watermaster Order were signed and filed December 29, 1972, and Judgment was entered January 4, 1973, in Book 6791, Page 197.

6. Intervention After Judgment. (New) Certain defendants have, pursuant to the Judgment herein and the Court's continuing jurisdiction, intervened and appeared herein after entry of Judgment.

7. Amendments to Judgment. (New) The original Judgment herein was previously amended on March 29, 1979, by: (1) adding definition (r [1]) thereto, (2) amending definition (bb) therein, (3) adding Exhibit "K" thereto, (4) adding Sections 14.5 and 16.5 thereto, and (5) amending Sections 37(b), 37(c), 37(d), and Section 47 therein; it was again amended on December 21, 1979, by amending Section 38(c) thereof; again amended on February 21, 1980, by amending Section 24 thereof; again amended on September 12, 1980, by amending Sections 35(a), 37(a), and 38(a); again amended on December 22, 1987, by adding Section 37(e) thereto; and last amended on July 22, 1988 by amending Section 37(e) thereof and Ordering an Amended Judgment herein.

8. Transfers. (New) Since the entry of Judgment herein there have been numerous transfers of Adjudicated water rights. To the date hereof, said transfers are reflected in Exhibits "C", "D", and "E".

9. Producers and Their Designees. (New) The current status of Producers and their Designees is shown on Exhibit "L".

10. Definitions. (Prior Judgment Section 4) As used in this Judgment, the following terms shall have the meanings herein set forth:

(a) Base Annual Diversion Right -- The average annual quantity of water which a Diverter is herein found to have the right to Divert for Direct Use.

(b) Direct Use --Beneficial use of water other than for spreading or Ground Water recharge.

(c) Divert or Diverting -- To take waters of any surface stream within the Relevant Watershed.

(d) Diverter -- Any party who Diverts.

(e) Elevation -- Feet above mean sea level.

(f) Fiscal Year -- A period July 1 through June 30, following.

(g) Ground Water -- Water beneath the surface of the ground and within the zone of saturation.

(h) Ground Water Basin -- An interconnected permeable geologic formation capable of storing a substantial Ground Water supply.

(i) Integrated Producer -- Any party that is both a Pumper and a Diverter, and has elected to have its rights adjudicated under the optional formula provided in Section 18 of this Judgment.

(j) In-Lieu Water Cost -- The differential between a Producer's non-capital cost of direct delivery of Supplemental Water and the cost of Production of Ground Water (including depreciation on Production facilities) to a particular Producer who has been required by Watermaster to take direct delivery of Supplemental Water in lieu of Ground Water.

(k) Key Well -- Baldwin Park Key Well, being elsewhere designated as State Well No. 1S/10W-7R2, or Los Angeles County Flood Control District Well No. 3030-F. Said well has a ground surface Elevation of 386.7.

(l) Long Beach Case -- Los Angeles Superior Court Civil Action No. 722647, entitled, "**Long Beach, et al., v. San Gabriel Valley Water Company, et al.**"

(m) Main San Gabriel Basin or Basin -- The Ground Water Basin underlying the area shown as such on Exhibit "A".

(n) Make-up Obligation -- The total cost of meeting the obligation of the Basin to the area at or below Whittier Narrows, pursuant to the Judgment in the Long Beach Case.

(o) Minimal Producer -- Any party whose Production in any Fiscal Year does not exceed five (5) acre feet.

(p) Natural Safe Yield -- The quantity of natural water supply which can be extracted annually from the Basin under conditions of long term average annual supply, net of the requirement to meet downstream rights as determined in the Long Beach Case (exclusive of Pumped export), and under cultural conditions as of a particular year.

(q) Operating Safe Yield -- The quantity of water which the Watermaster determines hereunder may be Pumped from the Basin in a particular Fiscal Year, free of the Replacement Water Assessment under the Physical Solution herein.

(r) Overdraft -- A condition wherein the total annual Production from the Basin exceeds the Natural Safe Yield thereof.

(s) Overlying Rights -- (Prior Judgment Section 4 (r) [1]) The right to Produce water from the Basin for use on Overlying Lands, which rights are exercisable only on specifically defined Overlying Lands and which cannot be separately conveyed or transferred apart therefrom.

(t) Physical Solution -- (Prior Judgment Section 4 (s)) The Court decreed method of managing the waters of the Basin so as to achieve the maximum utilization of the Basin and its water supply, consistent with the rights herein declared.

(u) Prescriptive Pumping Right -- (Prior Judgment

Section 4 (t)) The highest continuous extractions of water by a Pumper from the Basin for beneficial use in any five (5) consecutive years after commencement of Overdraft and prior to filing of this action, as to which there has been no cessation of use by that Pumper during any subsequent period of five (5) consecutive years, prior to the said filing of this action.

(v) Produce or Producing -- (Prior Judgment Section 4 (u)) To Pump or Divert water.

(w) Producer -- (Prior Judgment Section 4 (v)) A party who Produces water.

(x) Production -- (Prior Judgment Section 4 (w)) The annual quantity of water Produced, stated in acre feet.

(y) Pump or Pumping -- (Prior Judgment Section 4 (x)) To extract Ground Water from the Basin by Pumping or any other method.

(z) Pumper -- (Prior Judgment Section 4 (y)) Any party who Pumps water.

(aa) Pumper's Share -- (Prior Judgment Section 4 (z)) A Pumper's right to a percentage of the entire Natural Safe Yield, Operating Safe Yield and appurtenant Ground Water storage.

(bb) Relevant Watershed -- (Prior Judgment Section 4(aa)) That portion of the San Gabriel River watershed tributary to Whittier Narrows which is shown as such on Exhibit "A", and the exterior boundaries of which are described in Exhibit "B".

(cc) Replacement Water -- (Prior Judgment Section 4 (bb)) Water purchased by Watermaster to replace:

(1) Production in excess of a Pumper's Share of Operating Safe Yield; (2) The consumptive use portion resulting from the exercise of an Overlying Right; and (3) Production in excess of a Diverter's right to Divert for Direct Use.

(dd) Responsible Agency -- (Prior Judgment Section 4 (cc)) The municipal water district which is the normal and appropriate source from whom Watermaster shall purchase Supplemental Water for replacement purposes under the Physical Solution, being one of the following:

(1) Upper District -- Upper San Gabriel Valley Municipal Water District, a member public agency of The Metropolitan Water District of Southern California (MWD).

(2) San Gabriel District -- San Gabriel Valley Municipal Water District, which has a direct contract with the State of California for State Project Water.

(3) Three Valleys District -- Three Valleys Municipal Water District, formerly, "Pomona Valley Municipal Water District", a member public agency of MWD.

(ee) Stored Water -- (Prior Judgment Section 4 (dd)) Supplemental Water stored in the Basin pursuant to a contract with Watermaster as authorized by Section 34(m).

(ff) Supplemental Water -- (Prior Judgment Section 4 (ee)) Nontributary water imported through a Responsible Agency.

(gg) Transporting Parties -- (Prior Judgment Section 4 (ff)) Any party presently transporting water (i.e., during the 12 months immediately preceding the making of the findings herein) from the Relevant Watershed or Basin to an area outside

thereof, and any party presently or hereafter having an interest in lands or having a service area outside the Basin or Relevant Watershed contiguous to lands in which it has an interest or a service area within the Basin or Relevant Watershed. Division by a road, highway, or easement shall not interrupt contiguity. Said term shall also include the City of Sierra Madre, or any party supplying water thereto, so long as the corporate limits of said City are included within one of the Responsible Agencies and if said City, in order to supply water to its corporate area from the Basin, becomes a party to this action bound by this Judgment.

(hh) Water Level -- (Prior Judgment Section 4 (gg)) The measured Elevation of water in the Key Well, corrected for any temporary effects of mounding caused by replenishment or local depressions caused by Pumping.

(ii) Year -- (Prior Judgment Section 4 (hh)) A calendar year, unless the context clearly indicates a contrary meaning.

11. Exhibits. (Prior Judgment Section 5) The following exhibits are attached to this Judgment and incorporated herein by this reference:

Exhibit "A" -- Map entitled "San Gabriel River Watershed Tributary to Whittier Narrows", showing the boundaries and relevant geologic and hydrologic features in the portion of the watershed of the San Gabriel River lying upstream from Whittier Narrows.

Exhibit "B" -- Boundaries of Relevant Watershed.

Exhibit "C" -- Table Showing Base Annual Diversion

Rights of Certain Diverters.

Exhibit "D" -- Table Showing Prescriptive Pumping Rights and Pumper's Share of Each Pumper.

Exhibit "E" -- Table Showing Production Rights of Each Integrated Producer.

Exhibit "F" -- Table Showing Special Category Rights.

Exhibit "G" -- Table Showing Non-consumptive Users.

Exhibit "H" -- Watermaster Operating Criteria.

Exhibit "J" -- Puente Narrows Agreement.

Exhibit "K" -- Overlying Rights, Nature of Overlying Right, Description of Overlying Lands to which Overlying Rights are Appurtenant, Producers Entitled to Exercise Overlying Rights and their Respective Consumptive Use Portions, and Map of Overlying Lands.

Exhibit "L" -- (New) List of Producers And Their Designees, as of June 1988.

Exhibit "M" -- (New) Watermaster Members, Officers and Staff, Including Calendar Year 1989.

II. DECREE

NOW, THEREFORE, IT IS HEREBY DECLARED, ORDERED, ADJUDGED AND DECREED:

A. DECLARATION OF HYDROLOGIC CONDITIONS

12. Basin as Common Source of Supply. (Prior Judgment Section 6) The area shown on Exhibit "A" as Main San Gabriel Basin overlies a Ground Water basin. The Relevant Watershed is the watershed area within which rights are herein adjudicated. The waters of the Basin and Relevant Watershed constitute a common source of natural water supply to the parties herein.

13. Determination of Natural Safe Yield. (Prior Judgment Section 7) The Natural Safe Yield of the Main San Gabriel Basin is found and declared to be one hundred fifty-two thousand seven-hundred (152,700) acre feet under Calendar Year 1967 cultural conditions.

14. Existence of Overdraft. (Prior Judgment Section 8) In each and every Calendar Year commencing with 1953, the Basin has been and is in Overdraft.

B. DECLARATION OF RIGHTS

15. Prescription. (Prior Judgment Section 9) The use of water by each and all parties and their predecessors in interest has been open, notorious, hostile, adverse, under claim of right, and with notice of said overdraft continuously from January 1, 1953 to January 4, 1973. The rights of each party herein declared are prescriptive in nature. The following aggregate consequences of said prescription within the Basin and Relevant Watershed are hereby declared:

(a) Prior Prescription. Diversions within the Relevant Watershed have created rights for direct consumptive use within the Basin, as declared and determined in Sections 16 and 18 hereof, which are of equal priority *inter se*, but which are prior and paramount to Pumping Rights in the Basin.

(b) Mutual Prescription. The aggregate Prescriptive Pumping Rights of the parties who are Pumpers now exceed, and for many years prior to filing of this action, have exceeded, the Natural Safe Yield of the Basin. By reason of said condition, all rights of said Pumpers are declared

to be mutually prescriptive and of equal priority, inter se.

(c) Common Ownership of Safe Yield and Incidents Thereto. By reason of said Overdraft and mutual Prescription, the entire Natural Safe Yield of the Basin, the Operating Safe Yield thereof and the appurtenant rights to Ground Water storage capacity of the Basin are owned by Pumpers in undivided Pumpers' Shares as hereinafter individually declared, subject to the control of Watermaster, pursuant to the Physical Solution herein decreed. Nothing herein shall be deemed in derogation of the rights to spread water pursuant to rights set forth in Exhibit "G".

16. Surface Rights. (Prior Judgment Section 10) Certain of the aforesaid prior and paramount prescriptive water rights of Diverters to Divert for Direct Use stream flow within the Relevant Watershed are hereby declared and found in terms of Base Annual Diversion Right as set forth in Exhibit "C". Each Diverter shown on Exhibit "C" shall be entitled to Divert for Direct Use up to two hundred percent (200%) of said Base Annual Diversion Right in any one (1) Fiscal Year; provided that the aggregate quantities of water Diverted in any consecutive ten (10) Fiscal Year period shall not exceed ten (10) times such Diverter's Base Annual Diversion Right.

17. Ground Water Rights. (Prior Judgment Section 11) The Prescriptive Pumping Right of each Pumper, who is not an Integrated Producer, and his Pumper's Share are declared as set forth in Exhibit "D".

18. Optional Integrated Production Rights. (Prior Judgment Section 12) Those parties listed on Exhibit "E" have elected to be treated as Integrated Producers. Integrated Production Rights have two (2) historical components:

(1) a fixed component based upon historic Diversions for Direct Use; and

(2) a mutually prescriptive Pumper's Share component based upon Pumping during the period 1953 through 1967.

Assessment and other Watermaster regulation of the rights of such parties shall relate to and be based upon each such component. So far as future exercise of such rights is concerned, however, the gross quantity of the aggregate right in any Fiscal Year may be exercised, in the sole discretion of such party, by either Diversion or Pumping or any combination or apportionment thereof; provided, that for Assessment purposes the first water Produced in any Fiscal Year (other than "carry-over", under Section 49 hereof) shall be deemed an exercise of the Diversion component, and any Production over said quantity shall be deemed Pumped water, regardless of the actual method of Production.

19. Special Category Rights. (Prior Judgment Section 13) The parties listed on Exhibit "F" have water rights in the Relevant Watershed which are not ordinary Production rights. The nature of each such right is as described in Exhibit "F".

20. Non-consumptive Practices. (Prior Judgment Section 14) Certain Producers have engaged in Water Diversion and spreading practices which have caused such Diversions to have a

non-consumptive or beneficial impact upon the aggregate water supply available in the Basin. Said parties, and a statement of the nature of their rights, uses and practices, are set forth in Exhibit "G". The Physical Solution decreed herein, and particularly its provisions for Assessments, shall not apply to such non-consumptive uses. Watermaster may require reports on the operations of said parties.

21. Overlying Rights. (Prior Judgment Section 14.5) Producers listed in Exhibit "K" hereto were not parties herein at the time of the original entry of Judgment herein. They have exercised in good faith Overlying Rights to Produce water from the Basin during the periods subsequent to the entry of Judgment herein and have by self-help initiated or maintained appurtenant Overlying Rights. Such rights are exercisable without quantitative limit only on specifically described Overlying Land and cannot be separately conveyed or transferred apart therefrom. As to such rights and their exercise, the owners thereof shall become parties to this action and be subject to Watermaster Replacement Water Assessments under Section 45 (b) hereof, sufficient to purchase Replenishment Water to offset the net consumptive use of such Production and practices. In addition, the gross amount of such Production for such overlying use shall be subject to Watermaster Administrative Assessments under Section 45 (a) hereof and the consumptive use portion of such Production for overlying use shall be subject to Watermaster's In-Lieu Water Cost Assessments under Section 45 (d) hereof. The Producers presently entitled to exercise Overlying Rights, a description of the Overlying Land to which

Overlying Rights are appurtenant, the nature of use and the consumptive use portion thereof are set forth in Exhibit "K" hereto. Watermaster may require reports and make inspections of the operations of said parties for purposes of verifying the uses set forth in said Exhibit "K", and, in the event of a material change, to redetermine the net amount of consumptive use by such parties as changed in the exercise of such Overlying Rights. Annually, during the first two (2) weeks of June in each Calendar Year, such Overlying Rights Producers shall submit to Watermaster a verified statement as to the nature of the then current uses of said Overlying Rights on said Overlying Lands for the next ensuing Fiscal Year, whereupon Watermaster shall either affirm the prior determination or redetermine the net amount of the consumptive use portion of the exercise of such Overlying Right by said Overlying Rights Producer.

C. INJUNCTION

22. Injunction Against Unauthorized Production. (Prior Judgment Section 15) Effective July 1, 1973, each and every party, its officers, agents, employees, successors and assigns, to whom rights to waters of the Basin or Relevant Watershed have been declared and decreed herein is **ENJOINED AND RESTRAINED** from Producing water for Direct Use from the Basin or the Relevant Watershed except pursuant to rights and Pumpers' Shares herein decreed or which may hereafter be acquired by transfer pursuant to Section 55, or under the provisions of the Physical Solution in this Judgment and the Court's continuing jurisdiction, provided that no party is enjoined from Producing up to five (5) acre feet per Fiscal Year.

23. Injunction re Non-consumptive Uses. (Prior Judgment Section 16) Each party listed in Exhibit "G", its officers, agents, employees, successors and assigns, is **ENJOINED AND RESTRAINED** from materially changing said non-consumptive method of use.

24. Injunction Re Change in Overlying Use Without Notice Thereof To Watermaster. (Prior Judgment Section 16.5) Each party listed in Exhibit "K", its officers, agents, employees, successors and assigns, is **ENJOINED AND RESTRAINED** from materially changing said overlying uses at any time without first notifying Watermaster of the intended change of use, in which event Watermaster shall promptly redetermine the consumptive use portion thereof to be effective after such change.

25. Injunction Against Unauthorized Recharge. (Prior Judgment Section 17) Each party, its officers, agents, employees, successors and assigns, is **ENJOINED AND RESTRAINED** from spreading, injecting or otherwise recharging water in the Basin except pursuant to: (a) an adjudicated non-consumptive use, or (b) consent and approval of or Cyclic Storage Agreement with Watermaster, or (c) subsequent order of this Court.

26. Injunction Against Transportation From Basin or Relevant Watershed. (Prior Judgment Section 18) Except upon further order of Court, all parties, other than Transporting Parties and MWD in its exercise of its Special Category Rights, to the extent authorized therein, are **ENJOINED AND RESTRAINED** from transporting water hereafter Produced from the Relevant Watershed or Basin outside the areas thereof. For purposes of

this Section, water supplied through a city water system which lies chiefly within the Basin shall be deemed entirely used within the Basin. Transporting Parties are entitled to continue to transport water to the extent that any Production of water by any such party does not violate the injunctive provisions contained in Section 22 hereof; provided that said water shall be used within the present service areas or corporate or other boundaries and additions thereto so long as such additions are contiguous to the then existing service area or corporate or other boundaries; except that a maximum of ten percent (10%) of use in any Fiscal Year may be outside said then existing service areas or corporate or other boundaries.

D. CONTINUING JURISDICTION

27. Jurisdiction Reserved. (Prior Judgment Section 19) Full jurisdiction, power and authority are retained by and reserved to the Court for purposes of enabling the Court upon application of any party or of the Watermaster, by motion and upon at least thirty (30) days notice thereof, and after hearing thereon, to make such further or supplemental orders or directions as may be necessary or appropriate for interim operation before the Physical Solution is fully operative, or for interpretation, enforcement or carrying out of this Judgment, and to modify, amend or amplify any of the provisions of this Judgment or to add to the provisions thereof consistent with the rights herein decreed. Provided, that nothing in this paragraph shall authorize:

(1) modification or amendment of the quantities specified in the declared rights of any party;

(2) modification or amendment of the manner of exercise of the Base Annual Diversion Right or Integrated Production Right of any party; or

(3) the imposition of an injunction prohibiting transportation outside the Relevant Watershed or Basin as against any Transporting Party transporting in accordance with the provisions of this Judgment or against MWD as to its Special Category Rights.

E. WATERMASTER

28. Watermaster to Administer Judgment. (Prior Judgment Section 20) A Watermaster comprised of nine (9) persons, to be nominated as hereinafter provided and appointed by the Court, shall administer and enforce the provisions of this Judgment and any subsequent instructions or orders of the Court thereunder.

29. Qualification, Nomination and Appointment. (Prior Judgment Section 21) The nine (9) member Watermaster shall be composed of six (6) Producer representatives and three (3) public representatives qualified, nominated and appointed as follows:

(a) Qualification. Any adult citizen of the State of California shall be eligible to serve on Watermaster; provided, however, that no officer, director, employee or agent of Upper District or San Gabriel District shall be qualified as a Producer member of Watermaster.

(b) Nomination of Producer Representatives. A meeting of all parties shall be held at the regular meeting of Watermaster in November of each year, at the offices of Watermaster. Nomination of the six (6) Producer

representatives shall be by cumulative voting, in person or by proxy, with each Producer entitled to one (1) vote for each one hundred (100) acre feet, or portion thereof, of Base Annual Diversion Right or Prescriptive Pumping Right or Integrated Production Right.

(c) Nomination of Public Representatives. On or before the regular meeting of Watermaster in November of each year, the three (3) public representatives shall be nominated by the boards of directors of Upper District (which shall select two [2]) and San Gabriel District (which shall select one [1]). Said nominees shall be members of the board of directors of said public districts.

(d) Appointment. All Watermaster nominations shall be promptly certified to the Court, which will in ordinary course confirm the same by an appropriate order appointing said Watermaster; provided, however, that the Court at all times reserves the right and power to refuse to appoint, or to remove, any member of Watermaster.

30. Term and Vacancies. (Prior Judgment Section 22) Each member of Watermaster shall serve for a one (1) year term commencing on January 1, following his appointment, or until his successor is appointed. In the event of a vacancy on Watermaster, a successor shall be nominated at a special meeting to be called by Watermaster within ninety (90) days (in the case of a Producer representative) or by action of the appropriate district board of directors (in the case of a public representative).

31. Quorum. (Prior Judgment Section 23) Five (5) members

of the Watermaster shall constitute a quorum for the transaction of affairs of the Watermaster. Action by the affirmative vote of five (5) members shall constitute action by Watermaster, <u>except</u> that the affirmative vote of six (6) members shall be required:

(a) to approve the purchase, spreading or injection of water for Ground Water recharge, or

(b) to enter in any Agreement pursuant to Section 34 (m) hereof.

32. <u>Compensation.</u> (Prior Judgment Section 24) Each Watermaster member shall receive compensation of One Hundred Dollars ($100.00) per day for each day's attendance at meetings of Watermaster or for each day's service rendered as a Watermaster member at the request of Watermaster, together with any expenses incurred in the performance of his duties required or authorized by Watermaster. No member of the Watermaster shall be employed by or compensated for professional services rendered by him to Watermaster, other than the compensation herein provided, and any authorized travel or related expense.

33. <u>Organization.</u> (Prior Judgment Section 25) At its first meeting in each year, Watermaster shall elect a chairman and a vice chairman from its membership. It shall also select a secretary, a treasurer and such assistant secretaries and assistant treasurers as may be appropriate, any of whom may, but need not be, members of Watermaster.

(a) <u>Minutes</u>. Minutes of all Watermaster meetings shall be kept which shall reflect all actions taken by Watermaster. Draft copies thereof shall be furnished to

any party who files a request therefor in writing with Watermaster. Said draft copies of minutes shall constitute notice of any Watermaster action therein reported; failure to request copies thereof shall constitute waiver of notice.

(b) Regular Meetings. Watermaster shall hold regular meetings at places and times to be specified in Watermaster's rules and regulations to be adopted by Watermaster. Notice of the scheduled or regular meetings of Watermaster and of any changes in the time or place thereof shall be mailed to all parties who shall have filed a request therefor in writing with Watermaster.

(c) Special Meetings. Special meetings of Watermaster may be called at any time by the chairman or vice chairman or by any three (3) members of Watermaster by written notice delivered personally or mailed to each member of Watermaster and to each party requesting notice, at least twenty-four (24) hours before the time of each such meeting in the case of personal delivery, and forty-eight (48) hours prior to such meeting in the case of mail. The calling notice shall specify the time and place of the special meeting and the business to be transacted at such meeting. No other business shall be considered at such meeting.

(d) Adjournments. Any meeting of Watermaster may be adjourned to a time and place specified in the order of adjournment. Less than a quorum may so adjourn from time to time. A copy of the order or notice of adjournment

shall be conspicuously posted on or near the door of the place where the meeting was held within twenty-four (24) hours after adoption of the order of adjournment.

34. Powers and Duties. (Prior Judgment Section 26) Subject to the continuing supervision and control of the Court, Watermaster shall have and may exercise the following express powers, and shall perform the following duties, together with any specific powers, authority and duties granted or imposed elsewhere in this Judgment or hereafter ordered or authorized by the Court in the exercise of its continuing jurisdiction.

(a) Rules and Regulations. To make and adopt any and all appropriate rules and regulations for conduct of Watermaster affairs. A copy of said rules and regulations and any amendments thereof shall be mailed to all parties.

(b) Acquisition of Facilities. To purchase, lease, acquire and hold all necessary property and equipment; provided, however, that Watermaster shall not acquire any interest in real property in excess of year-to-year tenancy for necessary quarters and facilities.

(c) Employment of Experts and Agents. To employ such administrative personnel, engineering, geologic, accounting, legal or other specialized services and consulting assistants as may be deemed appropriate in the carrying out of its powers and to require appropriate bonds from all officers and employees handling Watermaster funds.

(d) Measuring Devices, etc. To cause parties, pursuant to uniform rules, to install and maintain in good

operating condition, at the cost of each party, such necessary measuring devices or meters as may be appropriate; and to inspect and test any such measuring device as may be necessary.

(e) Assessments. To levy and collect all Assessments specified in the Physical Solution.

(f) Investment of Funds. To hold and invest any and all funds which Watermaster may possess in investments authorized from time to time for public agencies in the State of California.

(g) Borrowing. To borrow in anticipation of receipt of Assessment proceeds an amount not to exceed the annual amount of Assessments levied but uncollected.

(h) Purchase of and Recharge with Supplemental Water. To purchase Supplemental Water and to introduce the same into the Basin for replacement or cyclic storage purposes, subject to the affirmative vote of six (6) members of Watermaster.

(i) Contracts. To enter into contracts for the performance of any administrative powers herein granted, subject to approval of the Court.

(j) Cooperation With Existing Agencies. To act jointly or cooperate with agencies of the United States and the State of California or any political subdivision, municipality or district to the end that the purposes of the Physical Solution may be fully and economically carried out. Specifically, in the event Upper District has facilities available and adequate to accomplish any of the

administrative functions of Watermaster, consideration shall be given to performing said functions under contract with Upper District in order to avoid duplication of facilities.

(k) Assumption of Make-up Obligation. Watermaster shall assume the Make-up Obligation for and on behalf of the Basin.

(m) Water Quality. Water quality in the Basin shall be a concern of Watermaster, and all reasonable steps shall be taken to assist and encourage appropriate regulatory agencies to enforce reasonable water quality regulations affecting the Basin, including regulation of solid and liquid waste disposal.

(n) Cyclic Storage Agreements. To enter into appropriate contracts, to be approved by the Court, for utilization of Ground Water storage capacity of the Basin for cyclic or regulatory storage of Supplemental Water by parties and non-parties, for subsequent recovery or Watermaster credit by the storing entity, pursuant to uniform rules and conditions, which shall include provision for:

(1) Watermaster control of all spreading or injection and extraction scheduling and procedures for such stored water;

(2) calculation by Watermaster of any special costs, damages or burdens resulting from such operations;

(3) determination by Watermaster of, and

accounting for, all losses in stored water, assuming that such stored water floats on top of the Ground Water supplies, and accounting for all losses of water which otherwise would have replenished the Basin, with priorities being established as between two or more such contractors giving preference to parties over non-parties; and

(4) payment to Watermaster for the benefit of the parties hereto of all special costs, damages or burdens incurred (without any charge, rent, assessment or expense as to parties hereto by reason of the adjudicated proprietary character of said storage rights, nor credit or offset for benefits resulting from such storage); provided, that no party shall have any direct interest in or control over such contracts or the operation thereof by reason of the adjudicated right of such party, the Watermaster having sole custody and control of all Ground Water storage rights in the Basin pursuant to the Physical Solution herein, and subject to review of the Court.

(o) Notice List. Maintain a current list of party designees to receive notice hereunder, in accordance with Section 54 hereof.

35. Policy Decisions -- Procedure. (Prior Judgment Section 27) It is contemplated that Watermaster will exercise discretion in making policy decisions relating to Basin management under the Physical Solution decreed herein. In order to assure full participation and opportunity to be heard for

those affected, no policy decision shall be made by Watermaster until thirty (30) days after the question involved has been raised for discussion at a Watermaster meeting and noted in the draft of minutes thereof.

36. Reports. (Prior Judgment Section 28) Watermaster shall annually file with the Court and mail to the parties a report of all Watermaster activities during the preceding year, including an audited statement of all accounts and financial activities of Watermaster, summary reports of Diversions and Pumping, and all other pertinent information. To the extent practical, said report shall be mailed to all parties on or before November 1.

37. Review Procedures. (Prior Judgment Section 29) Any action, decision, rule or procedure of Watermaster (other than a decision establishing Operating Safe Yield, see Section 43[c]) shall be subject to review by the Court on its own motion or on timely motion for an Order to Show Cause by any party, as follows:

(a) Effective Date of Watermaster Action. Any order, decision or action of Watermaster shall be deemed to have occurred on the date that written notice thereof is mailed. Mailing of draft copies of Watermaster minutes to the parties requesting the same shall constitute notice to all such parties.

(b) Notice of Motion. Any party may, by a regularly noticed motion, petition the Court for review of said Watermaster's action or decision. Notice of such motion shall be mailed to Watermaster and all parties. Unless so

ordered by the Court, such petition shall not operate to stay the effect of such Watermaster action.

(c) Time for Motion. Notice of motion to review any Watermaster action or decision shall be served and filed within ninety (90) days after such Watermaster action or decision.

(d) De Novo Nature of Proceeding. Upon filing of such motion for hearing, the Court shall notify the parties of a date for taking evidence and argument, and shall review de novo the question at issue on the date designated. The Watermaster decision or action shall have no evidentiary weight in such proceeding.

(e) Decision. The decision of the Court in such proceeding shall be an appealable Supplemental Order in this case. When the same is final, it shall be binding upon the Watermaster and the parties.

F. PHYSICAL SOLUTION

38. Purpose and Objective. (Prior Judgment Section 30) Consistent with the California Constitution and the decisions of the Supreme Court, the Court hereby adopts and **Orders** the parties to comply with this Physical Solution. The purpose and objective of these provisions is to provide a legal and practical means for accomplishing the most economic, long term, conjunctive utilization of surface, Ground Water, Supplemental Water and Ground Water storage capacity to meet the needs and requirements of the water users dependent upon the Basin and Relevant Watershed, while preserving existing equities.

39. Need for Flexibility. (Prior Judgment Section 31) In

Ralph B. Helm - Bar No. 022004
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Telephone (818) 769-2002

Attorney for Watermaster - Petitioner

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STETSON ENGINEERS INC.

SUPERIOR COURT OF CALIFORNIA, COUNTY OF LOS ANGELES

UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, Plaintiff, vs. CITY OF ALHAMBRA, et al., Defendants.	No. 924129 ORDER AMENDING JUDGMENT TO EXPAND WATERMASTER'S POWERS TO INCLUDE MAINTENANCE, IMPROVEMENT, AND CONTROL OF BASIN WATER QUALITY WITH ALLOWABLE FUNDING THROUGH IN-LIEU ASSESSMENTS Hearing: August 7, 1990 Department 38, 9:15 A. M.

The Petition of the Main San Gabriel Basin Watermaster (Watermaster) for Amendment to Judgment herein to expand its powers to include maintenance, improvement, and control of Basin water quality by controlling pumping in the Basin, with allowable funding for associated costs to be paid through its In-Lieu Assessments, was continued on July 31, 1990, to August 7, 1990, when it duly and regularly came on for hearing, at 9:15 o'clock A. M. in Department 38 of the above entitled Court, the Honorable FLORENCE T. PICKARD, Assigned Judge Presiding. Ralph B. Helm appeared as Attorney for Watermaster - Petitioner; Wayne K. Lemieux appeared for Defendant, San Gabriel Valley Municipal Water District, in support of the Petition; Fred Vendig, General

Counsel, Karen L. Tachiki, Assistant General Counsel, and Victor E. Gleason, Senior Deputy General Counsel, by Victor E. Gleason, appeared for Defendant, The Metropolitan Water District of Southern California, in support of the Petition; Timothy J. Ryan appeared for Defendant, San Gabriel Valley Water Company, in opposition to the Petition; Lagerlof, Senecal, Drescher & Swift, by H. Jess Senecal, appeared for Defendants, Calmat Company, Livingston-Graham, Owl Rock Products, AZ-Two, Inc., and Sully-Miller Contracting Company, in opposition to the Petition; Ira Reiner, Los Angeles County District Attorney, by Jan Chatten-Brown, Special Assistant to the District Attorney, appeared in opposition to the Petition; and Sarah F. Bates and Laurens H. Silver, by Sarah F. Bates, appeared on behalf of Amicus Curiae Sierra Club, in opposition to the Petition.

The Court acknowledged receipt and consideration of: letters in support of the Petition by the California Regional Water Quality Control Board - Los Angeles Region and by the State Water Resources Control Board; a copy of a letter addressed to the Attorney for Petitioner, from the US Environmental Protection Agency - Region IX, by Mark J. Klaiman, Assistant Regional Counsel, regarding several matters of federal law which EPA believed might ultimately affect the subject Petition; a letter in opposition to the Petition by East Valleys Organization; and a FAX communication to the Court, in opposition to the Petition, from Congressman Esteban E. Torres, which was not communicated to nor seen by the parties.

Members of the public, present in Court, were invited to, and did, present oral testimony during the hearing.

Under date of December 10, 1990 the Court entered its Intended Decision Re Amendment To Judgment and, by minute order duly entered and mailed to Counsel for Petitioner, ordered copies thereof mailed forthwith to all appearing parties, including those appearing as friends of the court, and to all other affected parties on the case's current mailing list.

A Proof Of Service by mail on December 13, 1990, Of Intended Decision Re Amendment To Judgment, as ordered, has been filed with the Court.

Opposition to Petitioner's Proposed Order were filed by Amicus Curiae Sierra Club, Amicus Curiae Los Angeles District Attorney, and by Producer Parties Calmat Co., Livingston-Graham, Owl Rock Products Company, AZ-Two, Inc., and Sully-Miller Contracting Company.

Proof being made to the satisfaction of the Court and good cause appearing:

IT IS, HEREBY, ORDERED:

1. That the Amended Judgment herein be further amended by amending Subsection (j) of Section 10 thereof, Definitions, and Section 40 thereof, Division F, Physical Solution, to read as follows:

"10 (j) <u>In-Lieu Water Cost</u> - - The differential between a particular Producer's cost of Watermaster directed produced, treated, blended, substituted, or Supplemental Water delivered or substituted to, for, or taken by, such Producer in-lieu of his cost of otherwise normally Producing a like amount of Ground Water from the Basin.

"40. <u>Watermaster Control.</u> (Prior Judgment Section 32)

In order to develop an adequate and effective program of Basin management, it is essential that Watermaster have broad discretion in the making of Basin management decisions within the ambit hereinafter set forth. The maintenance, improvement, and control of the water quality and quantity of the Basin, withdrawal and replenishment of supplies of the Basin and Relevant Watershed, and the utilization of the water resources thereof, must be subject to procedures established by Watermaster in implementation of the Physical Solution provisions of this Judgment. Both the quantity and quality of said water resource are thereby preserved and its beneficial utilization maximized.

"(a) Watermaster shall develop an adequate and effective program of Basin management. The maintenance, improvement, and control of the water quality and quantity of the Basin, withdrawal and replenishment of supplies of the Basin and Relevant Watershed, and the utilization of the water resources thereof, must be subject to procedures established by Watermaster in implementation of the Physical Solution provisions of this Judgment. All Watermaster programs and procedures shall be adopted only after a duly noticed public hearing pursuant to Sections 37 and 40 of the Amended Judgment herein.

"(b) Watermaster shall have the power to control pumping in the Basin by water Producers therein for Basin cleanup and water quality control so that specific well production can be directed as to a lesser amount, to total cessation, as to an increased amount, and even to require pumping in a new location in the

Basin. Watermaster's right to regulate pumping activities of Producers shall be subordinate to any conflicting Basin cleanup plan established by the EPA or other public governmental agency with responsibility for ground water management or clean up.

"(c) Watermaster may act individually or participate with others to carry on technical and other necessary investigations of all kinds and collect data necessary to carry out the herein stated purposes. It may engage in contractual relations with the EPA or other agencies in furtherance of the clean up of the Basin and enter into contracts with agencies of the United States, the State of California, or any political subdivision, municipality, or district thereof, to the extent allowed under applicable federal or state statutes. Any cooperative agreement between the Watermaster and EPA shall require the approval of the appropriate Agency(s) of the State of California.

"(d) For regulation and control of pumping activity in the Basin, Watermaster shall adopt Rules and Regulations and programs to promote, manage and accomplish clean up of the Basin and its waters, including, but not limited to, measures to confine, move, and remove contaminants and pollutants. Such Rules and Regulations and programs shall be adopted only after a duly Noticed Public Hearing by Watermaster and shall be subject to Court review pursuant to Section 37 of the Amended Judgment herein.

"(e) Watermaster shall determine whether funds from local, regional, state or federal agencies are available for regulating pumping and the various costs associated with, or arising from such activities. If no public funds are available from local,

regional, state, or federal agencies, the costs shall be obtained and paid by way of an In-Lieu Assessment by Watermaster pursuant to Section 10 (j) of the Amended Judgment herein. Provided such In-Lieu Assessments become necessary, the costs shall be borne by all Basin Producers.

"(f) Watermaster is a Court empowered entity with limited powers, created pursuant to the Court's Physical Solution Jurisdiction under Article X, Section 2 of the California Constitution. None of the Powers granted herein to Watermaster shall be construed as designating Watermaster a political subdivision of the State of California or authorizing Watermaster to act as 'lead agency' to administer the federal Superfund for clean up of the Basin."

2. This Amended Judgment shall continue in full force and effect as hereby Ordered and Amended.

Dated: January 29, 1991.

/s/Florence T. Pickard
FLORENCE T. PICKARD
Judge of the Superior Court,
Specially Assigned

order that Watermaster may be free to utilize both existing and new and developing technological, social and economic concepts for the fullest benefit of all those dependent upon the Basin, it is essential that the Physical Solution hereunder provide for maximum flexibility and adaptability. To that end, the Court has retained continuing jurisdiction to supplement the broad discretion herein granted to the Watermaster.

40. Watermaster Control. (Prior Judgment Section 32) In order to develop an adequate and effective program of Basin management, it is essential that Watermaster have broad discretion in the making of Basin management decisions within the ambit hereinafter set forth. Withdrawal and replenishment of supplies of the Basin and Relevant Watershed and the utilization of the water resources thereof, and of available Ground Water storage capacity, must be subject to procedures established by Watermaster in implementation of the provisions of this Judgment. Both the quantity and quality of said water resource are thereby preserved and its beneficial utilization maximized.

41. General Pattern of Contemplated Operation. (Prior Judgment Section 33) In general outline (subject to the specific provisions hereafter and to Watermaster Operating Criteria set forth in Exhibit "H"), Watermaster will determine annually the Operating Safe Yield of the Basin and will notify each Pumper of his share thereof, stated in acre feet per Fiscal Year. Thereafter, no party may Produce in any Fiscal Year an amount in excess of the sum of his Diversion Right, if any, plus his Pumper's Share of such Operating Safe Yield, or his

Integrated Production Right, or the terms of any Cyclic Storage Agreement, without being subject to Assessment for the purpose of purchasing Replacement Water. In establishing the Operating Safe Yield, Watermaster shall follow all physical, economic, and other relevant parameters provided in the Watermaster Operating Criteria. Watermaster shall have Assessment powers to raise funds essential to implement the management plan in any of the several special circumstances herein described in more detail.

42. Basin Operating Criteria. (Prior Judgment Section 34) Until further order of the Court and in accordance with the Watermaster Operating Criteria, Watermaster shall not spread Replacement Water when the water level at the Key Well exceeds Elevation two hundred fifty (250), and Watermaster shall spread Replacement Water, insofar as practicable, to maintain the water level at the Key Well above Elevation two hundred (200).

43. Determination of Operating Safe Yield. (Prior Judgment Section 35) Watermaster shall annually determine the Operating Safe Yield applicable to the succeeding Fiscal Year and estimate the same for the next succeeding four (4) Fiscal Years. In making such determination, Watermaster shall be governed in the exercise of its discretion by the Watermaster Operating Criteria. The procedures with reference to said determination shall be as follows:

(a) Preliminary Determination. On or before Watermaster's first meeting in April of each year, Watermaster shall make a Preliminary Determination of the Operating Safe Yield of the Basin for each of the succeeding five Fiscal Years. Said determination shall be

made in the form of a report containing a summary statement of the considerations, calculations and factors used by Watermaster in arriving at said Operating Safe Yield.

(b) Notice and Hearing. A copy of said Preliminary Determination and report shall be mailed to each Pumper and Integrated Producer at least ten (10) days prior to a hearing to be held at Watermaster's regular meeting in May, of each year, at which time objections or suggested corrections or modifications of said determinations shall be considered. Said hearing shall be held pursuant to procedures adopted by Watermaster.

(c) Watermaster Determination and Review Thereof. Within thirty (30) days after completion of said hearing, Watermaster shall mail to each Pumper and Integrated Producer a final report and determination of said Operating Safe Yield for each such Fiscal Year, together with a statement of the Producer's entitlement in each such Fiscal Year stated in acre feet. Any affected party, within thirty (30) days of mailing of notice of said Watermaster determination, may, by a regularly noticed motion, petition the Court for an Order to Show Cause for review of said Watermaster finding, and thereupon the Court shall hear such objections and settle such dispute. Unless so ordered by the Court, such petition shall not operate to stay the effect of said report and determination. In the absence of such review proceedings, the Watermaster determination shall be final.

44. Reports of Pumping and Diversion. (Prior Judgment

Section 36) Each party (other than Minimal Producers) shall file with the Watermaster quarterly, on or before the last day of January, April, July and October, a report on a form to be prescribed by Watermaster showing the total Pumping and Diversion (separately for Direct Use and for non-consumptive use, if any,) of such party during the preceding calendar quarter.

45. Assessments -- Purpose. (Prior Judgment Section 37) Watermaster shall have the power to levy and collect Assessments from the parties (other than Minimal Producers, non-consumptive users, or Production under Special Category Rights or Cyclic Storage Agreements) based upon Production during the preceding Fiscal Year. Said Assessments may be for one or more of the following purposes:

(a) Watermaster Administration Costs. Within thirty (30) days after completion of the hearing on the Preliminary Determination of the Operating Safe Yield of the Basin and Watermaster's determination thereof, pursuant to Section 43 hereof, Watermaster shall adopt a proposed budget for the succeeding Fiscal Year and shall mail a copy thereof to each party, together with a statement of the level of Administration Assessment levied by Watermaster which will be collected for purposes of raising funds for said budget. Said Assessment shall be uniformly applicable to each acre foot of Production.

(b) Replacement Water Costs. Replacement Water Assessments shall be collected from each party on account of such party's Production in excess of its Diversion

Rights, Pumper's Share or Integrated Production Right, and on account of the consumptive use portion of Overlying Rights, computed at the applicable rate established by Watermaster consistent with the Watermaster Operating Criteria.

(c) Make-Up Obligation. An Assessment shall be collected equally on account of each acre foot of Production, which does not bear a Replacement Assessment hereunder, to pay all necessary costs of Administration and satisfaction of the Make-Up Obligation. Such Assessment shall not be applicable to water Production for an Overlying Right.

(d) In-Lieu Water Cost. Watermaster may levy an Assessment against all Pumping to pay reimbursement for In-Lieu Water Costs except that such Assessment shall not be applicable to the non-consumptive use portion of an Overlying Right.

(e) Basin Water Quality Improvement. For purposes of testing, protecting or improving the water quality in the Basin, Watermaster may, after a noticed hearing thereon, fix terms and conditions under which it may waive all or any part of its Assessments on such ground water Production and if such Production, in addition to his other Production, does not exceed such Producer's Share or entitlement for that Fiscal Year, such stated Production shall be allowed to be carried over for a part of such Producer's next Fiscal Year's Producer's Share or entitlement. In connection therewith, Watermaster may also

waive the provisions of Sections 25, 26 and 57 hereof, relating to Injunction Against Unauthorized Recharge, Injunction Against Transportation From Basin or Relevant Watershed, and Intervention After Judgment, respectively. Nothing in this Judgment is intended to allow an increase in any Producer's annual entitlement nor to prevent Watermaster, after hearing thereon, from entering into contracts to encourage, assist and accomplish the clean up and improvement of degraded water quality in the Basin by non-parties herein. Such contracts may include the exemption of the Production of such Basin water therefor from Watermaster Assessments and, in connection therewith, the waiver of the provisions of Judgment Sections 25, 26, and 57 hereof.

46. Assessments -- Procedure. (Prior Judgment Section 38) Assessments herein provided for shall be levied and collected as follows:

(a) Levy and Notice of Assessment. Within thirty (30) days of Watermaster's annual determination of Operating Safe Yield of the Basin for each Fiscal Year and succeeding four (4) Fiscal Years, Watermaster shall levy applicable Administration Assessments, Replacement Water Assessments, Make-up Water Assessments and In-Lieu Water Assessments, if any. Watermaster shall give written notice of all applicable Assessments to each party on or before August 15, of each year.

(b) Payment. Each Assessment shall be payable, and each party is **Ordered** to pay the same, on or before

September 20, following such Assessment, subject to the rights reserved in Section 37 hereof.

(c) Delinquency. Any Assessment which becomes delinquent after January 1, 1980, shall bear interest at the annual prime rate plus one percent (1%) in effect on the first business day of August of each year. Said prime interest rate shall be that fixed by the Bank of America NT&SA for its preferred borrowing customers on said date. Said prime interest rate plus one percent (1%) shall be applicable to any said delinquent Assessment from the due date thereof until paid. Provided, however, in no event shall any said delinquent Assessment bear interest at a rate of less than ten percent (10%) per annum. Such delinquent Assessment and interest may be collected in a Show Cause proceeding herein or any other legal proceeding instituted by Watermaster, and in such proceeding the Court may allow Watermaster its reasonable costs of collection, including attorney's fees.

47. Availability of Supplemental Water From Responsible Agencies. (Prior Judgment Section 39) If any Responsible Agency shall, for any reason, be unable to deliver Supplemental Water to Watermaster when needed, Watermaster shall collect funds at an appropriate level and hold them in trust, together with interest accrued thereon, for purchase of such water when available.

48. Accumulation of Replacement Water Assessment Proceeds. (Prior Judgment Section 40) In order to minimize fluctuation in Assessments and to give Watermaster flexibility in Basin

management, Watermaster may make reasonable accumulations of Replacement Water Assessments. Such moneys and any interest accrued thereon shall only be used for the purchase of Replacement Water.

49. Carry-over of Unused Rights. (Prior Judgment Section 41) Any Pumper's Share of Operating Safe Yield, and the Production right of any Integrated Producer, which is not Produced in a given Fiscal Year may be carried over and accumulated for one Fiscal Year, pursuant to reasonable rules and procedures for notice and accounting which shall be adopted by Watermaster. The first water Produced in the succeeding Fiscal Year shall be deemed Produced pursuant to such Carry-over Rights.

50. Minimal Producers. (Prior Judgment Section 42) In the interest of Justice, Minimal Producers are exempted from the operation of this Physical Solution, so long as such party's annual Production does not exceed five (5) acre feet. Quarterly Production reports by such parties shall not be required, but Watermaster may require, and Minimal Producers shall furnish, specific periodic reports. In addition, Watermaster may conduct such investigation of future operations of any Minimal Producer as may be appropriate.

51. Effective Date. (Prior Judgment Section 43) The effective date for commencing accounting and operation under this Physical Solution, other than for Replacement Water Assessments, shall be July 1, 1972. The first Assessment for Replacement Water shall be payable on September 20, 1974, on account of Fiscal Year 1973-74 Production.

G. MISCELLANEOUS PROVISIONS

52. Puente Narrows Flow. (Prior Judgment Section 44) The Puente Basin is tributary to the Main San Gabriel Basin. All Producers within said Puente Basin have been dismissed herein, based upon the Puente Narrows Agreement (Exhibit "J"), whereby Puente Basin Water Agency agreed not to interfere with surface inflow and to assure continuance of historic subsurface contribution of water to Main San Gabriel Basin. The Court declares said Agreement to be reasonable and fair and in full satisfaction of claims by Main San Gabriel Basin for natural water from Puente Basin.

53. San Gabriel District - Interim Order. (Prior Judgment Section 45) San Gabriel District has a contract with the State of California for State Project Water, delivered at Devil Canyon in San Bernardino County. San Gabriel District is **HEREBY ORDERED** to proceed with and complete necessary pipeline facilities as soon as practical.

Until said pipeline is built and capable of delivering a minimum of twenty-eight thousand eight-hundred (28,800) acre feet of State Project water per year, defendant cities of Alhambra, Azusa, and Monterey Park shall pay to Watermaster each Fiscal Year a Replacement Assessment at a uniform rate sufficient to purchase Replenishment Water when available, which rate shall be declared by San Gabriel District. When water is available through said pipeline, San Gabriel District shall make the same available to Watermaster, on his reasonable demand, at said specified rate per acre foot. Interest accrued on such funds shall be paid to San Gabriel

District.

54. Service Upon and Delivery to Parties of Various Papers. (Prior Judgment Section 46) Service of the Judgment on those parties who have executed the Stipulation for Judgment shall be made by first class mail, postage prepaid, addressed to the Designee and at the address designated for that purpose in the executed and filed counterpart of the Stipulation for Judgment, or in any substitute designation filed with the Court.

Each party who has not heretofore made such a designation shall, within thirty (30) days after the Judgment shall have been served upon that party, file with the Court, with proof of service of a copy thereof upon Watermaster, a written designation of the person to whom and the address at which all future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon that party or delivered to that party are to be so served or delivered.

A later substitute designation filed and served in the same manner by any party shall be effective from the date of filing as to the then future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon or delivered to that party.

Delivery to or service upon any party by Watermaster, by any other party, or by the Court, of any item required to be served upon or delivered to a party under or pursuant to the Judgment may be made by deposit thereof (or by copy thereof) in the mail, first class, postage prepaid, addressed to the Designee of the party and at the address shown in the latest

designation filed by that party.

55. Assignment, Transfer, etc., of Rights. (Prior Judgment Section 47) Any rights Adjudicated herein except Overlying Rights, may be assigned, transferred, licensed or leased by the owners thereof; provided however, that no such assignment shall be complete until the appropriate notice procedures established by Watermaster have been complied with. No water Produced pursuant to rights assigned, transferred, licensed, or leased may be transported outside the Relevant Watershed except by:

(1) a Transporting Party, or

(2) a successor in interest immediate or mediate to a water system on lands or portion thereof, theretofore served by such a Transporting Party, for use by such successor in accordance with limitations applicable to Transporting Parties, or

(3) a successor in interest to the Special Category rights of MWD.

The transfer and use of Overlying Rights shall be limited, as provided in Section 21 hereof, as exercisable only on the specifically defined Overlying Lands and they cannot be separately conveyed or transferred apart therefrom.

56. Abandonment of Rights. (Prior Judgment Section 48) It is in the interest of reasonable beneficial use of the Basin and its water supply that no party be encouraged to take and use more water in any Fiscal Year than is actually required. Failure to Produce all of the water to which a party is entitled hereunder shall not, in and of itself, be deemed or constitute

an abandonment of such party's right, in whole or in part. Abandonment and extinction of any right herein Adjudicated shall be accomplished only by:

(1) a written election by the party, filed in this case, or

(2) upon noticed motion of Watermaster, and after hearing.

In either case, such abandonment shall be confirmed by express subsequent order of this Court.

57. Intervention After Judgment. (Prior Judgment Section 49) Any person who is not a party or successor to a party and who proposes to Produce water from the Basin or Relevant Watershed, may seek to become a party to this Judgment through a Stipulation For Intervention entered into with Watermaster. Watermaster may execute said Stipulation on behalf of the other parties herein but such Stipulation shall not preclude a party from opposing such Intervention at the time of the Court hearing thereon. Said Stipulation For Intervention must thereupon be filed with the Court, which will consider an order confirming said Intervention following thirty (30) days' notice to the parties. Thereafter, if approved by the Court, such Intervenor shall be a party bound by this Judgment and entitled to the rights and privileges accorded under the Physical Solution herein.

58. Judgment Binding on Successors, etc. (Prior Judgment Section 50) Subject to specific provisions hereinbefore contained, this Judgment and all provisions thereof are applicable to and binding upon and inure to the benefit of not

only the parties to this action, but as well to their respective heirs, executors, administrators, successors, assigns, lessees, licensees and to the agents, employees and attorneys in fact of any such persons.

59. Water Rights Permits. (Prior Judgment Section 51) Nothing herein shall be construed as affecting the relative rights and priorities between MWD and San Gabriel Valley Protective Association under State Water Rights Permits Nos. 7174 and 7175, respectively.

60. Costs. (Prior Judgment Section 52) No party shall recover any costs in this proceeding from any other party.

61. Entry of Judgment. (New) The Clerk shall enter this Judgment.

DATED: August 24, 1989.

s/ Florence T. Pickard
Florence T. Pickard, Judge
Specially Assigned

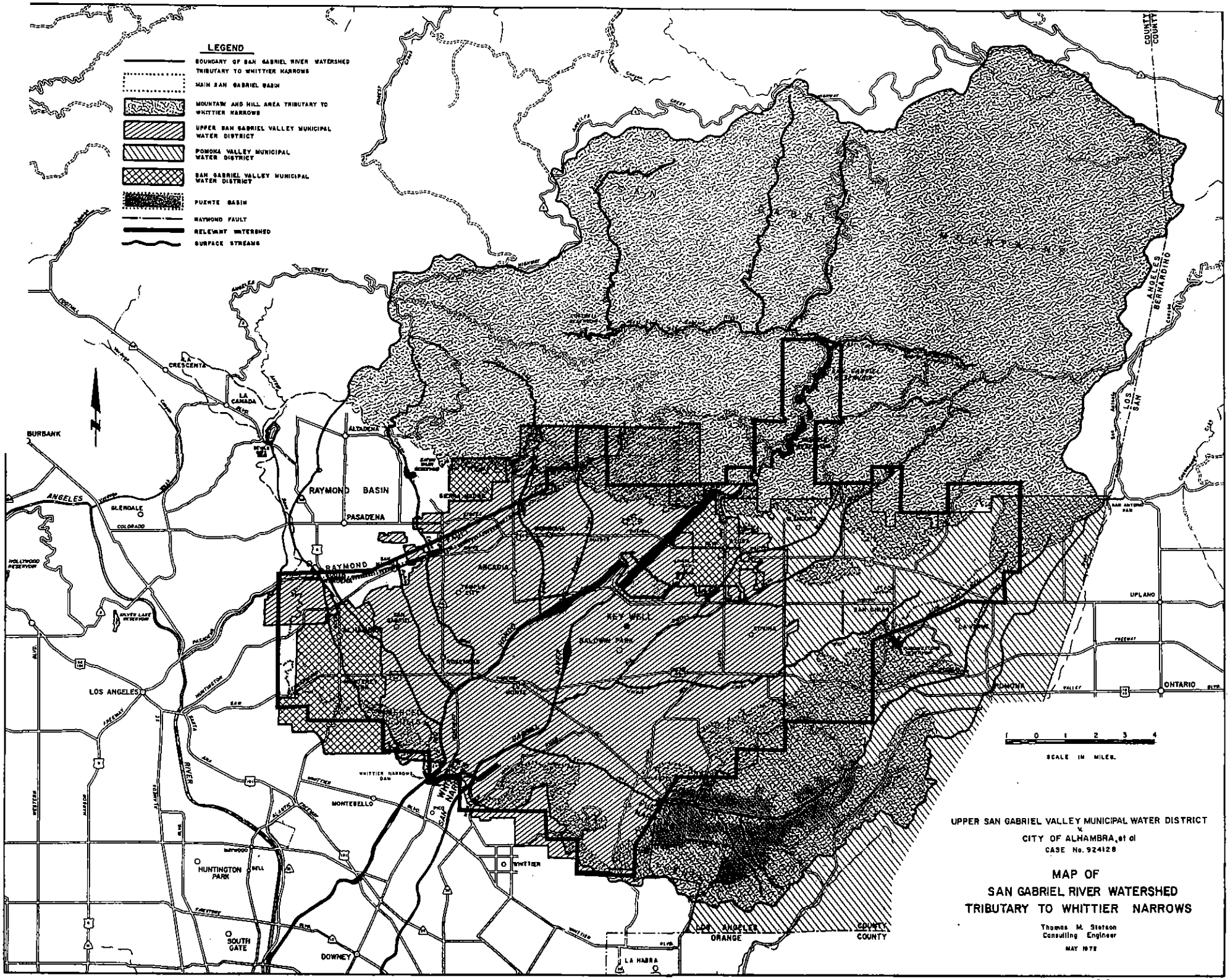

LEGEND
BOUNDARY OF SAN GABRIEL RIVER WATERSHED TRIBUTARY TO WHITTIER NARROWS
MAIN SAN GABRIEL BASIN
MOUNTAIN AND HILL AREA TRIBUTARY TO WHITTIER NARROWS
UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT
POMONA VALLEY MUNICIPAL WATER DISTRICT
SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT
PUENTE BASIN
RAYMOND FAULT
RELEVANT WATERSHED
SURFACE STREAMS
RAYMOND BASIN
PASADENA
ALTADENA
LA CRESCENTA
LA CANADA
BURBANK
GLENDALE
ARCADIA
KEY WELL
BALDWIN PARK
UPLAND
ONTARIO
POMONA
LOS ANGELES
MONTEBELLO
WHITTIER NARROWS DAM
WHITTIER
HUNTINGTON PARK
SOUTH GATE
DOWNEY
LA HABRA
ORANGE COUNTY
LOS ANGELES COUNTY
SAN BERNARDINO COUNTY
SCALE IN MILES
0 1 2 3 4
UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT
CITY OF ALHAMBRA, et al
CASE No. 924128
MAP OF
SAN GABRIEL RIVER WATERSHED
TRIBUTARY TO WHITTIER NARROWS
Thomas M. Stetson
Consulting Engineer
MAY 1972

Exhibit "B"

BOUNDARIES OF RELEVANT WATERSHED

The following described property is located in Los Angeles County, State of California:

Beginning at the Southwest corner of Section 14, Township 1 North, Range 11 West, San Bernardino Base and Meridian;

Thence Northerly along the West line of said Section 14 to the Northwest corner of the South half of said Section 14;

Thence Easterly along the North line of the South half of Section 14 to the East line of said Section 14;

Thence Northerly along the East line of said Section 14, Township 1 North, Range 11 West and continuing Northerly along the East line of Section 11 to the Northeast corner of said Section 11;

Thence Easterly along the North line of Section 12 to the Northeast corner of said Section 12;

Thence Southerly along the East line of said Section 12 and continuing Southerly along the East line of Section 13 to the Southeast corner of said Section 13, said corner being also the Southwest corner of Section 18, Township 1 North, Range 10 West;

Thence Easterly along the South line of Sections 18, 17, 16 and 15 of said Township 1 North, Range 10 West to the Southwest corner of Section 14;

Thence Northerly along the West line of Section 14 to the Northwest corner of the South half of Section 14;

Thence Easterly along the North line of the South half of Section 14 to the East line of said section;

Thence Northerly along the East line of said Section 14, and continuing Northerly along the West line of Section 12 of said Township 1 North, Range 10 West to the North line of said Section 12;

Thence Easterly along the North line of said Section 12, to the Northeast corner of said Section 12, said corner being also the Southwest corner of Section 6, Township 1 North, Range 9 West;

Thence Northerly along the West line of said Section 6 and continuing Northerly along West line of Sections 31 and 30, Township 2 North, Range 9 West to the Westerly prolongation of the North line of said Section 30;

Thence Easterly along said Westerly prolongation of the North line of said Section 30 and continuing Easterly along the North line of Section 29 to the Northeast corner of said Section 29;

Thence Southerly along the East line of said Section 29 and continuing Southerly along the East line of Section 32, Township 2 North, Range 9 West, and thence continuing Southerly along the East line of Section 5, Township 1 North, Range 9 West to the Southeast corner of said Section 5;

Thence Westerly along the South line of said Section 5 to the Southwest corner of said Section 5, said point being also the Northwest corner of Section 8;

Thence Southerly along the West line of said Section 8 and continuing Southerly along the West line of Section 17, to the Southwest corner of said Section 17, said corner being also the Northwest corner of Section 20;

Thence Easterly along the North line of Sections 20 and 21 to the Northwest corner of Section 22, said corner being also the Southwest corner of Section 15;

Thence Northerly along the West line of said Section 15 to the Northwest corner of the South half of said Section 15;

Thence Easterly along the North line of said South half of Section 15 to the Northeast corner of said South half of Section 15;

Thence Southerly along the East line of Section 15 and continuing Southerly along the East line of Section 22 to the Southeast corner of said Section 22, said point being also the Southwest corner of Section 23;

Thence Easterly along the South line of Sections 23 and 24 to the East line of the West half of said Section 24;

Thence Northerly along said East line of the West half of Section 24 to the North line thereof;

Thence Easterly along said North line of Section 24 to the Northeast corner thereof, said point also being the Northwest corner of Section 19, Township 1 North, Range 8 West;

Thence continuing Easterly along the North line of Section 19 and Section 20 of said Township 1 North, Range 8 West to the Northeast corner of said Section 20;

Thence Southerly along the East line of Sections 20, 29 and 32 of said Township 1 North, Range 8 West to the Southeast corner of said Section 32;

Thence Westerly along the South line of Section 32 to the Northwest corner of the East half of Section 5, Township 1 South, Range 8 West;

Thence Southerly along the West line of the East half of said Section 5 to the South line of said Section 5;

Thence West to the East line of the Northerly prolongation of Range 9 West;

Thence South 67° 30′ West to an intersection with the Northerly prolongation of the West line of Section 27, Township 1 South, Range 9 West;

Thence Southerly along the Northerly prolongation of said West line of Section 27 and continuing Southerly along the West line of Section 27 to the Southwest corner of said Section 27, said point being also the Southeast corner of Section 28;

Thence Westerly along the South line and Westerly projection of the South line of said Section 28 to the Northerly prolongation of the West line of Range 9 West;

Thence Southerly along said prolongation of the West line of Range 9 West to the Westerly prolongation of the North line of Township 2 South;

Thence Westerly along said Westerly prolongation of the North line of Township 2 South, a distance of 8,500 feet;

Thence South a distance of 4,500 feet;

Thence West a distance of 10,700 feet;

Thence South 29° West to an intersection with the Northerly prolongation of the West line of Section 20, Township 2 South, Range 10 West;

Thence Southerly along said Northerly prolongation of the West line of said Section 20 and continuing Southerly along the West line of Section 20 to the Southwest corner of said Section 20;

Thence South a distance of 2,000 feet;

Thence West a distance of two miles, more or less, to an intersection with the East line of Section 26, Township 2 South, Range 11 West;

Thence Northerly along said East line of Section 26 and continuing Northerly along the East line of Section 23, Township 2 South, Range 11 West to the Northeast corner of said Section 23;

Thence Westerly along the North line of said Section 23 to the Northwest corner thereof, said point being also the Southeast corner of Section 15, Township 2 South, Range 11 West;

Thence Northerly and Westerly along the East and North lines, respectively, of said Section 15, Township 2 South, Range 11 West, to the Northwest corner thereof;

Thence continuing Westerly along the Westerly prolongation of said North line of Section 15, Township 2 South, Range 11 West to an intersection with a line parallel to and one mile East of the West line of Range 11 West;

Thence Northerly along said parallel line to an intersection with the Northerly boundary of the City of Pico Rivera as said City of Pico Rivera existed on July 17, 1970;

Thence Westerly along said City boundary to an intersection with the East line of Range 12 West;

Thence Northerly along said East line of Range 12 West to the North line of Township 2 South;

Thence Westerly along the North line of Township 2 South to an intersection with the Southerly prolongation of the East line of the West half of Section 26, Township 1 South, Range 12 West;

Thence Northerly along said Southerly prolongation of said East line of the West half of said Section 26 to the Southeast corner of said West half;

Thence Westerly along the South line of Sections 26, 27 and 28, Township 1 South, Range 12 West, to the Southeast corner of Section 29, Township 1 South, Range 12 West;

Thence Northerly along the East line of said Section 29 to the Northeast corner of the South half of said Section 29;

Thence Westerly along the North line of the South half of said Section 29 to the Northwest corner thereof;

Thence Northerly along the West line of Sections 29, 20, 17 and 8, Township 1 South, Range 12 West;

Thence continuing Northerly along the Northerly prolongation of the West line of Section 8, Township 1 South, Range 12 West to an intersection with the North line of Township 1 South;

Thence Easterly along said North line of Township 1 South to the Northeast corner of Section 3, Township 1 South, Range 12 West;

Thence North 64° 30′ East to an intersection with the West line of Section 23, Township 1 North, Range 11 West;

Thence Northerly along the West line of said Section 23 to the Northwest corner thereof, said point being the Southwest corner of Section 14, Township 1 North, Range 11 West and said point being also the point of beginning.

Exhibit "C"

**TABLE
SHOWING BASE
ANNUAL DIVERSION
RIGHTS OF CERTAIN
DIVERTERS**

	Base Annual Diversion Right Acre-Feet
Covell, Ralph (Successor to Rittenhouse, Catherine and Rittenhouse, James)	2.12
Maddock, A. G.	3.40
Rittenhouse, Catherine (Transferred to Covell, Ralph)	0
Rittenhouse, James (Transferred to Covell, Ralph)	0
Ruebhausen, Arline (Held in common with Ruebhausen, Victor) (Transferred to City of Glendale)	0
Ruebhausen, Victor (See Ruebhausen, Arline, above)	0
TOTAL	5.52

Exhibit "D"

TABLE
SHOWING PRESCRIPTIVE PUMPING RIGHTS
AND PUMPER'S SHARE OF EACH PUMPER
AS OF JUNE, 1988

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share Percent (%)
Adams Ranch Mutual Water Company	100.00	0.05060
A & E Plastik Pak Co., Inc. (Transferred to Industry Properties, Ltd.)	0	0
Alhambra, City of	8,812.05	4.45876
Amarillo Mutual Water Company	709.00	0.35874
Anchor Plating Co., Inc. (Successor to Bodger & Sons) (Transferred to Crown City Plating Co.)	0	0
Anderson, Ray L. and Helen T., Trustees (Successor to Covina-Valley Unified School District)	50.16	0.02538
Andrade, Marcario and Consuelo; and Andrade, Robert and Jayne (Successor to J. F. Isbell Estate, Inc.)	8.36	0.00423
Arcardia, City of	9,252.00	4.68137
(Successor to First National Finance Corporation)	60.90	0.03081
(Transferred to City of Monrovia)	951.00	0.48119
	8,361.90	4.23099
Associated Southern Investment Company (Transferred to Southern California Edison Company)	0	0
AZ-Two, Inc. (Lessee of Southwestern Portland Cement Co.)	0	0
Azusa, City	3,655.99	1.84988
Azusa-Western Inc. (Transferred to Southwestern Portland Cement Co.)	0	0
Bahnsen & Beckman Ind., Inc. (Transferred to Woodland, Richard)	0	0

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Bahnsen, Betty M. (Transferred to Dawes, Mary Kay)	0	0
Baldwin Park County Water District (See Valley County Water District)	-	-
Banks, Gale C. (Successor to Doyle, Mr. and Mrs.; and Madruga, Mr. and Mrs.)	50.00	0.02530
Base Line Water Company	430.20	0.21767
Beverly Acres Mutual Water Company	93.00	0.04706
Birenbaum, Max (Held in common with Birenbaum, Sylvia; Schneiderman, Alan; Schneiderman, Lydia; Wigodsky, Bernard; Wigodsky, Estera) (Transferred to City of Whittier)	0	0
Birenbaum, Sylvia (See Birenbaum, Max)	-	-
Blue Diamond Concrete Materials Div., The Flintkote Company (Transferred to Sully-Miller Contracting Co.)	0	0
Bodger & Sons DBA Bodger Seeds Ltd. (Transferred to Anchor Plating Co., Inc.)	0	0
Botello Water Company	0	0
Burbank Development Company	50.65	0.02563
Cadway, Inc. (Successor to:		
Corcoran, Jack S. and R. L.)	100.00	0.05060
Corcoran, Jack S. and R. L.)	100.00	0.05060
	200.00	0.10120
Cal Fin (Transferred to Suburban Water Systems)	0	0
California-American Water Company (San Marino System)	7,868.70	3.98144
California Country Club	0	0

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
California Domestic Water Company	11,024.82	5.57839
(Successor to:		
Cantrill Mutual Water Company	42.50	0.02150
Industry Properties, Ltd.	73.50	0.03719
Modern Accent Corporation	256.86	0.12997
Fisher, Russell)	19.00	0.00961
	11,416.68	5.77666
California Materials Company	0	0
Cantrill Mutual Water Company (Transferred to California Domestic Water Co.)	0	0
Cedar Avenue Mutual Water Company	121.10	0.06127
Champion Mutual Water Company	147.68	0.07472
Chronis, Christine (See Polopolus, et al)	-	-
Clayton Manufacturing Company	511.80	0.25896
Collison, E. O.	0	0
Comby, Erma M. (See Wilmott, Erma M.)	-	-
Conrock Company		
(Formerly Consolidated Rock Products Co.)	1,465.35	0.74144
(Successor to Manning Bros. Rock & Sand Co.)	328.00	0.16596
	1,793.35	0.90740
Consolidated Rock Products Co. (See Conrock Company)	-	-
Corcoran, Jack S.		
(Held in common with Corcoran, R. L.)		
(Transferred to:	747.00	0.37797
Cadway, Inc.	100.00	0.05060
Cadway, Inc.)	100.00	0.05060
	547.00	0.27677
Corcoran, R. L. (See Corcoran, Jack S.)	-	-
County Sanitation District No. 18 of Los Angeles County	4.50	0.00228

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Covell, et al. (Successor to Rittenhouse, Catherine and Rittenhouse, James) (Held in common with Jobe, Darr; Goedert, Lillian E.; Goedert, Marion W.; Lakin, Kendall R.; Lakin, Kelly R.; Snyder, Harry)	111.05	0.05619
Covina, City of	2,507.89	1.26895
(Transferred to Covina Irrigating Company)	1,734.00	0.87737
(Transferred to Covina Irrigating Company)	300.00	0.15179
	473.89	0.23979
Covina-Valley Unified School District (Transferred to Anderson, Ray)	0	0
Crevolin, A. J.	2.25	0.00114
Crocker National Bank, Executor of the Estate of A. V. Handorf (Transferred to Modern Accent Corp.)	0	0
Cross Water Company (Transferred to City of Industry)	0	0
Crown City Plating Company	190.00	0.09614
(Successor to Anchor Plating Co., Inc.)	10.00	0.00506
	200.00	0.10120
Davidson Optronics, Inc.	22.00	0.01113
Dawes, Mary Kay (Successor to Bahnsen, Betty M.)	441.90	0.22359
Del Rio Mutual Water Company	199.00	0.10069
Denton, Kathryn W., Trustee for San Jose Ranch Company (Transferred to White, June G., Trustee of the June G. White Share of the Garnier Trust)	0	0
Doyle, Mr. and Mrs.; and Madruga, Mr. and Mrs. (Successor to Sawpit Farms, Ltd.) (Transferred to Banks, Gale C.)	0	0
Driftwood Dairy	163.80	0.08288
Duhalde, L. (Transferred to El Monte Union High School District)	0	0

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Dunning, George (Held in common with Dunning, Vera H.) (Successor to Vera H. Dunning)	324.00	0.16394
Dunning, Vera H. (Transferred to George Dunning)	-	-
East Pasadena Water Company, Ltd.	1,407.69	0.71227
Eckis, Rollin (Successor to Sawpit Farms, Ltd.) (Transferred to City of Monrovia)	0	0
El Encanto Properties (Transferred to La Puente Valley County Water District)	0	0
El Monte, City of	2,784.23	1.40878
El Monte Cemetary Association	18.50	0.00936
El Monte Union High School District (Successor to Duhalde, L.) (Transferred to City of Whittier)	0	0
Everett, Mrs. Alda B. (Held in common with Everett, W. B., Executor of the Estate of I. Worth Everett)	0	0
Everett, W. B., Executor of the Estate of I. Worth Everett (See Everett, Mrs. Alda B.)	-	-
Faix, Inc. (Successor to Frank F. Pellissier & Sons, Inc.) (Transferred to Faix, Ltd.)	0	0
Faix, Ltd. (Successor to Faix, Inc.)	6,490.00	3.28384
First National Finance Corporation (Transferred to City of Arcadia)	0	0
Fisher, Russell (Held in common with Hauch, Edward and Warren, Clyde) (Transferred to California Domestic Water Company)	0	0

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Frank F. Pellissier & Sons, Inc. (Transferred to Faix, Inc.)	0	0
Fruit Street Water Company (Transferred to: Gifford, Brooks, Jr. City of La Verne)	0	0
Gifford, Brooks, Jr. (Successor to: Fruit Street Water Co., Mission Gardens Mutual Water Company) (Transferred to City of Whittier)	0	0
Gilkerson, Frank B. (Transferred to Jobe, Darr)	-	-
Glendora Unified High School District (Transferred to City of Glendora)	0	0
Goedert, Lillian E. (See Covell, et al)	-	-
Goedert, Marion W. (See Covell, et al)	-	-
Graham, William (Transferred to Darr Jobe)	-	-
Green, Walter	71.70	0.03628
Grizzle, Lissa B. (Held in common with Grizzle, Mervin A.; Wilson, Harold R.; Wilson, Sarah C.) (Transferred to City of Whittier)	0	0
Grizzle, Mervin A. (See Grizzle, Lissa B.)	0	0
Hansen, Alice	0.75	0.00038
Hartley, David	0	0
Hauch, Edward (See Fisher, Russell)	0	0
Hemlock Mutual Water Company	166.00	0.08399

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Hollenbeck Street Water Company (Transferred to Suburban Water Systems)	0	0
Hunter, Lloyd F. (Successor to R. Wade)	4.40	0.00223
Hydro-Conduit Corporation	0	0
Industry Waterworks System, City of (Successor to Cross Water Company)	1,103.00	0.55810
Industry Properties, Ltd. (Successor to A & E Plastik Pak Co., Inc.) (Transferred to California Domestic Water Co.)	0	0
J. F. Isbell Estate, Inc. (Transferred to Andrade, Macario and Consuelo; and Andrade, Robert and Jayne)	0	0
Jerris, Helen (See Polopolus, et al)	-	-
Jobe, Darr (See Covell, et al)	-	-
Kirklen Family Trust (Formerly Kirklen, Dawn L.)		
(Held in common with Kirklen, William R.)	375.00	0.18974
(Successor to San Dimas-La Verne	62.50	0.03162
Recreational Facilities Authority)	437.50	0.22136
Kirklen, Dawn L. (See Kirklen Family Trust)	-	-
Kirklen, William R. (See Kirklen, Dawn L.)	-	-
Kiyan, Hideo (Held in common with Kiyan, Hiro)	30.00	0.01518
Kiyan, Hiro (See Kiyan, Hideo)	-	-
Knight, Kathryn M. (Successor to William Knight)	227.88	0.11530
Knight, William (Transferred to Kathryn M. Knight)	0	0

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Lakin, Kelly R. (See Covell, et al)	-	-
Lakin, Kendall R. (See Covell, et al)	-	-
Landeros, John	0.75	0.00038
La Grande Source Water Company (Transferred to Suburban Water Systems)	0	0
Lang, Frank (Transferred to San Dimas-La Verne Recreational Facilities Authority)	0	0
La Puente Cooperative Water Company (Transferred to Suburban Water Systems)	0	0
La Puente Valley County Water District (Successor to El Encanto Properties)	1,097.00 33.40 1,130.40	0.55507 0.01690 0.57197
La Verne, City of (Successor to Fruit Street Water Co.)	250.00 105.71 355.71	0.12650 0.05349 0.17999
Lee, Paul M. and Ruth A.; Nasmyth, Virrginia; Nasmyth, John	0	0
Little John Dairy	0	0
Livingston-Graham, Inc.	1,824.40	0.92312
Los Flores Mutual Water Company (Transferred to City of Monterey Park)	0	0
Loucks, David	3.00	0.00152
Manning Bros. Rock & Sand Co. (Transferred to Conrock Company)	0	0
Maple Water Company	118.50	0.05996
Martinez, Frances Mercy (Held in common with Martinez, Jaime)	0.75	0.00038
Martinez, Jaime (See Martinez, Frances Mercy)	-	-
Massey-Ferguson Company	0	0

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Miller Brewing Company	111.01	0.05617
(Successor to:		
Maechtlen, Estate of J. J.	151.50	0.07666
Phillips, Alice B., et al)	50.00	0.02530
	312.51	0.15813
Mission Gardens Mutual Water Company (Transferred to Gifford, Brooks, Jr.)	0	0
Modern Accent Corporation (Successor to Crocker National Bank, Executor of the Estate of A. V. Handorf) (Transferred to California Domestic Water Co.)	0	0
Monterey Park, City of	6,677.48	3.37870
(Successor to Los Flores Mutual Water Co.)	26.60	0.01346
	6,704.08	3.39216
Murphy Ranch Mutual Water Company (Transferred to Southwest Suburban Water)	0	0
Namimatsu Farms (Transferred to California Cities Water Company)	0	0
Nick Tomovich & Sons	0.02	0.00001
No. 17 Walnut Place Mutual Water Co. (Transferred to San Gabriel Valley Water Company)	0	0
Orange Production Credit Association	0	0
Owl Rock Products Co.	715.60	0.36208
Pacific Rock & Gravel Co. (Transferred to: City of Whittier Rose Hills Memorial Park Association)	0	0
Park Water Company (Transferred to Valley County Water District)	0	0
Penn, Margaret (See Polopolus, et al)	-	-
Pico County Water District	0.75	0.00038
Polopolus, John (See Polopolus, et al)	-	-

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Polopolus, et al (Successor to Polopolus, Steve) (Held in common with Chronis, Christine; Jerris, Helen; Penn, Margaret; Polopolus, John)	22.50	0.01138
Polopolus, Steve (Transferred to Polopolus, et al)	-	-
Rados, Alexander (Held in common with Rados, Stephen and Rados, Walter)	43.00	0.02176
Rados, Stephen (See Rados, Alexander)	-	-
Rados, Walter (See Rados, Alexander)	-	-
Richwood Mutual Water Company	192.60	0.09745
Rincon Ditch Company	628.00	0.31776
Rincon Irrigation Company	314.00	0.15888
Rittenhouse, Catherine (Transferred to Covell, Ralph)	0	0
Rittenhouse, James (Transferred to Covell, Ralph)	0	0
Rose Hills Memorial Park Association	594.00	0.30055
(Successor to Pacific Rock & Gravel Co.)	200.00	0.10120
	794.00	0.40175
Rosemead Development, Ltd. (Successor to Thompson, Earl W.)	1.00	0.00051
Rurban Homes Mutual Water Company	217.76	0.11018
Ruth, Roy	0.75	0.00038
San Dimas-La Verne Recreational Facilities Authority (Successor to Lang, Frank) (Transferred to Kirklen, Dawn L. and William R.)	0	0
San Gabriel Country Club	286.10	0.14476
San Gabriel County Water District	4,250.00	2.15044

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
San Gabriel Valley Municipal Water District	0	0
San Gabriel Valley Water Company	16,659.00	8.42920
(Successor to:		
Vallecito Water Co.	2,867.00	1.45066
No. 17 Walnut Place Mutual Water Co.)	21.50	0.01088
	19,547.50	9.89074
Sawpit Farms, Limited		
(Transferred to:		
Eckis, Rollin		
Doyle and Madruga)	0	0
Schneiderman, Alan		
(See Birenbaum, Max)	-	-
Schneiderman, Lydia		
(See Birenbaum, Max)	-	-
Security Pacific National Bank, Co-Trustee for the Estate of Winston F. Stoody		
(See Stoody, Virginia A.)		
(Transferred to City of Whittier)	0	0
Sierra Madre, City of	0	0
Sloan Ranches	129.60	0.06558
Smith, Charles	0	0
Snyder, Harry		
(See Covell, et al)	-	-
Sonoco Products Company	311.60	0.15766
South Covina Water Service	992.30	0.50209
Southern California Edison Company	155.25	0.07855
(Successor to: Associated		
Southern Investment Company)	16.50	0.00835
	171.75	0.08690
Southern California Water Company, San Gabriel Valley District	5,773.00	2.92105
South Pasadena, City of	3,567.70	1.80520
Southwest Suburban Water		
(See Suburban Water Systems)	-	-

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Southwestern Portland Cement Company (Successor to Azusa Western, Inc.)	742.00	0.37544
Speedway 605, Inc.	0	0
Standard Oil Company of California	2.00	0.00101
Sterling Mutual Water Company	120.00	0.06072
Stoody, Virginia A., Co-Trustee for the Estate of Winston F. Stoody (See Security Pacific National Bank, Co-Trustee)	-	-
Suburban Water Systems (Formerly Southwest Suburban Water) (Successor to:	20,462.47	10.35370
Hollenbeck Street Water Company	646.39	0.32706
La Grande Source Water Company	1,078.00	0.54545
La Puente Cooperative Water Co.	1,210.90	0.61270
Valencia Valley Water Company	651.50	0.32965
Victoria Mutual Water Company	469.60	0.23761
Cal Fin	118.10	0.05976
Murphy Ranch Mutual Water Co.	223.23	0.11295
	24,860.19	12.57888
Sully-Miller Contracting Company (Successor to Blue Diamond Concrete Materials Division, The Flintkote Co.)	1,399.33	0.70804
Sunny Slope Water Company	2,228.72	1.12770
Taylor Herb Garden (Transferred to Covina Irrigating Company)	0	0
Texaco, Inc.	50.00	0.02530
Thompson, Earl W. (Held in common with Thompson, Mary) (Transferred to Rosemead Development, Ltd.)	0	0
Thompson, Mary (See Thompson, Earl W.)	-	-
Tyler Nursery	3.21	0.00162
United Concrete Pipe Corporation (See U. S. Pipe & Foundry Company)	-	-

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
U. S. Pipe & Foundry Company (Formerly United Concrete Pipe Corporation)	376.00	0.19025
Valencia Heights Water Company	861.00	0.43565
Valencia Valley Water Company (Transferred to Suburban Water Systems)	0	0
Vallecito Water Company (Transferred to San Gabriel Valley Water Company)	0	0
Valley County Water District (Formerly Baldwin Park County Water District)	5,775.00	2.92206
(Successor to Park Water Company)	184.01	0.09311
	5,959.01	3.01517
Valley Crating Company	0	0
Valley View Mutual Water Company	616.00	0.31169
Via, H. (See Via, H., Trust of)	-	-
Via, H., Trust of (Formerly Via, H.)	46.20	0.02338
Victoria Mutual Water Company (Transferred to Suburban Water Systems)	0	0
Wade, R. (Transferred to Lloyd F. Hunter)	0	0
Ward Duck Company	1,217.40	0.61599
Warren, Clyde (See Fisher, Russell)	-	-
W. E. Hall Company	0.20	0.00010
White, June G., Trustee of the June G. White Share of the Garnier Trust (Successor to Denton, Kathryn W., Trustee for the San Jose Ranch Company)	185.50	0.09386

Pumper	Prescriptive Pumping Right Acre-feet	Pumper's Share %
Whittier, City of	7,620.23	3.85572
(Successor to:		
Grizzle, Lissa B.	184.00	0.09310
Pacific Rock and Gravel Co.)	208.00	0.10524
Security Pacific National Bank, Co-Trustee for the Estate of Winston F. Stoody	38.70	0.01958
El Monte Union High School District	16.20	0.00820
Gifford, Brooks, Jr.	198.25	0.10031
Birenbaum, Max)	6.00	0.00304
	8,271.38	4.18519
Wigodsky, Bernard (See Birenbaum, Max)	-	-
Wigodsky, Estera (See Birenbaum, Max)	-	-
Wilmott, Erma M. (Formerly Comby, Erma M.)	0.75	0.00038
Wilson, Harold R. (See Grizzle, Lissa B.)	-	-
Wilson, Sarah C. (See Grizzle, Lissa B.)	-	-
Woodland, Frederick G.	-	-
Woodland, Richard (Successor to: Bahnsen and Beckman Ind., Inc.)	840.50	0.42528
Totals for Exhibit "D"	**155,800.68**	**78.83276**
	41 833.75	21.16724
Totals from Exhibit "E"	~~38,826.25~~	~~19.54431~~
GRAND TOTALS	**197,634.43**	**100.00000**

TABLE
SHOWING PRODUCTION RIGHTS
OF EACH
INTEGRATED PRODUCER
AS OF JUNE 1988

Party	Diversion Component Acre-feet	Prescriptive Pumping Component Acre-feet	Pumping Component Share Percent (%)
Azusa Agricultural Water Company	1,000.00	1,732.20	0.87647
Azusa Foot-Hill Citrus Water Company (Transfered to Monrovia Nursery Company)	0	0	0
Azusa Valley Water Company	2,422.00	8,274.00	4.18652
California-American Water Company (Duarte System)	1,672.00	3,649.00	1.84634
California Cities Water Company (See Southern California Water Company, San Dimas District)	-	-	-
Covina Irrigating Company	2,514.00	4,140.00	2.09478
(Successor to:			
City of Covina,		1,734.00	0.87737
City of Covina, and		300.00	0.15179
Taylor Herb Garden)		6.00	0.00304
	2,514.00	6,180.00	3.12698
Glendora, City of	17.00	8,258.00	4.17842
(Successor to:			
Maechtlen, Estate of J. J.,		150.00	0.07590
Maechtlen, Trust of P. A.,		50.00	0.02530
Ruebhausen, Arline, and	18.34		
Glendora Unified High School District)		9.00	0.05009
	35.34	8,557.00	4.32971
Los Angeles, County of	310.00	3,721.30	1.88292
Maechtlen, Estate of J. J.	0	301.50	0.15256
(Transferred to:			
City of Glendora		-150.00	-0.07590
Miller Brewing Company)		-151.50	-0.07666
	0	0	0

Party	Diversion Componet Acre-feet	Prescriptive Pumping Component Acre-feet	Pumping Component Share %
Maechtlen, Estate of J. J.	1.49	0	0
Maechtlen, Trust of P. A.	0.50	100.50	0.05085
(Transferred to:			
City of Glendora		-50.00	-0.02530
Alice B. Phillips, et al)	-0.50	-50.50	-0.02555
	0	0	0
The Metropolitan Water District of Southern California	9.59	165.00	0.08349
Monrovia, City of	1,098.00	5,042.22	2.55129
(Sucessor to:			
Eckis, Rollin		123.00	0.06224
City of Arcadia)		951.00	0.48119
	1,098.00	6,116.22	3.09472
Monrovia, Nursery Company	239.50	0	0
(Successor to:			
Azusa Foot-Hill Citrus Co.)	718.50	0	
Phillips, Alice B., et al			
(Successor to:			
Maechtlen, Trust of P. A.)	0.50	50.50	0.02530
(Transferred to:			
Miller Brewing Company)		-50.00	-0.02530
	0.50	0.50	0.00025
Southern California Water Company (San Dimas Dist.)	500.00	3,242.53	1.64076
(Formerly California Cities Water Company)			
(Successor to:			
Namimatsu Farms)		196.00	0.09917
	500.00	3,438.53	1.73984
TOTAL for Exhibit "E"	10,520.92	41,833.75	21.16724

Exhibit "F"

TABLE SHOWING
SPECIAL CATAGORY RIGHTS

PARTY	Nature of Right
The Metropolitan Water District of Southern California	Morris Reservoir Storage and Withdrawal (a) A right to divert, store and use San Gabriel River Water, pursuant to Permit No. 7174. (b) Prior and paramount right to divert 72 acre-feet annually to offset Morris Reservoir evaporation and seepage losses and to provide the water supply necessary for presently existing incidential Morris Dam facilities.
Los Angeles County Flood Control District (Now Los Angeles County Department of Public Works)	Puddingstone Reservoir Prior Prescriptive right to divert water from San Dimas Wash for storage in Puddingstone Reservoir in quantities sufficient to offset annual evaporation and seepage losses of the reservoir at approximate elevation 942.

TABLE SHOWING
NON-CONSUMPTIVE USERS

Party	Nature of Right
Covina Irrigating Company Azusa Valley Water Company Azusa Agricultural Water Co. Azusa Foot-Hill Citrus Co. Monrovia Nursery Company	"Committee-of-Nine" Spreading Right To continue to divert water from the San Gabriel River pursuant to the 1888 Settlement, and to spread in spreading grounds within the Basin all water thus diverted without the right to recapture water in excess of said parties' rights as adjudicated in Exhibit "E".
California-American Water Company (Duarte System)	Spreading Right To continue to divert water from the San Gabriel River pursuant to the 1888 Settlement, and to continue to divert water from Fish Canyon and to spread said waters in its spreading grounds in the Basin without the right to recapture water in excess of said party's rights as adjudicated in Exhibit "E".
City of Glendora	Spreading Right To continue to spread the water of Big and Little Dalton Washes, pursuant to License No. 2592 without the right to recapture water in excess of said party's rights as adjudicated in Exhibit "E".
San Gabriel Valley Protective Association	Spreading Right To continue to spread San Gabriel River water pursuant to License Nos. 9991 and 12,209, without the right to recapture said water.
California Cities Water Company	Spreading Right To continue to spread waters from San Dimas Wash without the right to recapture water in excess of said party's rights as adjudicated in Exhibit "E".
Los Angeles County Flood Control District	Temporary storage of storm flow for regulatory purposes; Spreading and conservation for general benefit in streambeds, reservoirs and spreading grounds without the right to recapture said water. Maintenance and operation of dams and other flood control works.

EXHIBIT "H"

WATERMASTER OPERATING CRITERIA

1. Basin Storage Capacity. The highest water level at the end of a water year during the past 40 years was reached at the Key Well on September 30, 1944 (elevation 316). The State of California, Department of Water Resources, estimates that as of that date, the quantity of fresh water in storage in the Basin was approximately 8,600,000 acre-feet. It is also estimated by said Department that by September 30, 1960, the quantity of fresh water in storage had decreased to approximately 7,900,000 acre-feet (elevation 237) at the Key Well).

The lowest water level at the end of a water year during the past 40 years was reached at the Key Well on September 30, 1965 (elevation 209). It is estimated that the quantity of fresh water in storage in the Basin on that date was approximately 7,700,000 acre-feet.

Thus, the maximum utilization of Basin storage was approximately 900,000 acre-feet, occurring between September 30, 1944, and September 30, 1965 (between elevations 316 and 209 at the Key Well). This is not to say that more than 900,000 acre-feet of storage space below the September 30, 1944 water levels cannot be utilized. However, it demonstrates that pumpers have deepened their wells and lowered their pumps so that such 900,000 acre-feet of storage can be safely and economically utilized.

The storage capacity of the Basin between elevations of 200 and 250 at the Key Well represents a usable volume of approximately 400,000 acre-feet of water.

2. <u>Operating Safe Yield and Spreading.</u> Watermaster in determining Operating Safe Yield and the importation of Replacement Water shall be guided by water level elevations in the Basin. He shall give recognition to, and base his operations on, the following general objectives insofar as practicable:

(a) The replenishment of ground water from sources of supplemental water should not cause excessively high levels of ground water and such replenishment should not cause undue waste of local water supplies.

(b) Certain areas within the Basin are not at the present time capable of being recharged with supplemental water. Efforts should be made to provide protection to such areas from excessive ground water lowering either through the "in lieu" provisions of the Judgment or by other means.

(c) Watermaster shall consider and evaluate the long-term consequences on ground water quality, as well as quantity, in determining and establishing Operating Safe Yield. Recognition shall be given to the enhancement of ground water quality insofar as practicable, especially in the area immediately upstream of Whittier Narrows where degradation of water quality may occur when water levels at the Key Well are maintained at or below elevation 200.

(d) Watermaster shall take into consideration the comparative costs of supplemental and Make-up Water in determining the savings on a present value basis of temporary or permanent lowering or raising of water levels and other economic data and analyses indicating both the short-term and long-term

propriety of adjusting Operating Safe Yield in order to derive optimum water levels during any period. Watermaster shall utilize the provisions in the Long Beach Judgment which will result in the least cost of delivering Make-up Water.

3. **Replacement Water -- Sources and Recharge Criteria.** The following criteria shall control purchase of Replacement Water and Recharge of the Basin by Watermaster.

(a) **Responsible Agency From Which to Purchase.** Watermaster, in determining the Responsible Agency from which to purchase supplemental water for replacement purposes, shall be governed by the following:

(1) **Place of Use of Water** which is used primarily within the Basin or by cities within San Gabriel District in areas within or outside the Basin shall control in determining the Responsible Agency. For purposes of this subparagraph, water supplied through a municipal water system which lies chiefly within the Basin shall be deemed entirely used within the Basin; and

(2) **Place of production of water** shall control in determining the Responsible Agency as to water exported from the Basin, except as to use within San Gabriel District.

Any Responsible Agency may, at the request of Watermaster, waive its right to act as the source for such supplemental water, in which case Watermaster shall be free to purchase such water from the remaining Responsible Agencies which are the most beneficial and appropriate sources; provided, however, that a Responsible Agency shall not

authorize any sale of water in violation of the California Constitution.

(b) **Water Quality.** Watermaster shall purchase the best quality of supplemental water available for replenishment of the Basin, pursuant to subsection (a) hereof.

(c) **Reclaimed Water.** It is recognized that the technology and economic and physical necessity for utilization of reclaimed water is increasing. The purchase of reclaimed water in accordance with the Long Beach Judgment to satisfy the Make-up Obligation is expressly authorized. At the same time, water quality problems involved in the reuse of water within the Basin pose serious questions of increased costs and other problems to the pumpers, their customers and all water users. Accordingly, Watermaster is authorized to gather information, make and review studies, and make recommendations on the feasibility of the use of reclaimed water for replacement purposes; provided that no reclaimed water shall be recharged in the Basin by Watermaster without the prior approval of the court, after notice to all parties and hearing thereon.

4. **Replacement Assessment Rates.** The Replacement Assessment rates shall be in an amount calculated to allow Watermaster to purchase one acre-foot of supplemental water for each acre-foot of excess Production to which such Assessment applies.

EXHIBIT "J"

PUENTE NARROWS AGREEMENT

THIS AGREEMENT is made and entered into as of the 8th day of May, 1972, by and between PUENTE BASIN WATER AGENCY, herein called "Puente Agency", and UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, herein called "Upper District".

A. RECITALS

1. Puente Agency. Puente Agency is a joint powers agency composed of Walnut Valley Water District, herein called "Walnut District", and Rowland Area County Water District, herein called "Rowland District". Puente Agency is formed for the purpose of developing and implementing a ground water basin management program for Puente Basin. Pursuant to said purpose, said Agency is acting as a representative of its member districts and of the water users and water right claimants therein in the defense and maintenance of their water rights within Puente Basin.

2. Upper District. Upper District is a municipal water district overlying a major portion of the Main San Gabriel Basin. Upper District is plaintiff in the San Gabriel Basin Case, wherein it seeks to adjudicate rights and implement a basin management plan for the Main San Gabriel Basin.

3. Puente Basin is a ground water basin tributary to the Main San Gabriel Basin. Said area was included within the scope of the San Gabriel Basin Case and substantially

all water rights claimants within Puente Basin were joined as defendants therein. The surface contribution to the Main San Gabriel Basin from Puente Basin is by way of the paved flood control channel of San Jose Creek, which passes through Puente Basin from the Pomona Valley area. Subsurface outflow is relatively limited and moves from the Puente Basin to the Main San Gabriel Basin through Puente Narrows.

4. Intent of Agreement. Puente Agency is prepared to assure Upper District that no activity within Puente Basin will hereafter be undertaken which will (1) interfere with surface flows in San Jose Creek, or (2) impair the subsurface flow from Puente Basin to the Main San Gabriel Basin. Walnut District and Rowland District, by operation of law and by express assumption endorsed hereon, assume the covenants of this agreement as a joint and several obligation. Based upon such assurances and the covenants hereinafter contained in support thereof, Upper District consents to the dismissal of all Puente Basin parties from the San Gabriel Basin Case. By reason of said dismissals, Puente Agency will be free to formulate a separate water management program for Puente Basin.

B. DEFINITIONS AND EXHIBITS

5. Definitions. As used in this Agreement, the following terms shall have the meanings herein set forth:

(a) Annual or Year refers to the fiscal year July 1 through June 30.

(b) Base Underflow. The underflow through

Puente Narrows which Puente Agency agrees to maintain, and on which accrued debits and credits shall be calculated.

(c) Make-up Payment. Make-up payments shall be an amount of money payable to the Watermaster appointed in the San Gabriel Basin Case, sufficient to allow said Watermaster to purchase replacement water on account of any accumulated deficit as provided in Paragraph 9 hereof.

(d) Puente Narrows. The subsurface geologic constriction at the downstream boundary of Puente Basin, located as shown on Appendix "B".

(e) Main San Gabriel Basin, the ground water basin shown and defined as such in Exhibit "A" to the Judgment in the San Gabriel Basin Case.

(f) San Gabriel Basin Case. Upper San Gabriel Valley Municipal Water District v. City of Alhambra, et al., L. A. Sup. Ct. No. 924128, filed January 2, 1968.

6. Appendices. Attached hereto and by this reference made a part hereof are the following appendices:

"A" -- Location Map of Puente Basin, showing major geographic, geologic, and hydrologic features.

"B" -- Map of Cross-Section Through Puente Narrows, showing major physical features and location of key wells.

"C" -- Engineering Criteria, being a description of a method of measurement of subsurface outflow to be utilized for Watermaster purposes.

C. COVENANTS

7. Watermaster. There is hereby created a two member Watermaster service to which each of the parties to this agreement shall select one consulting engineer. The respective representatives on said Watermaster shall serve at the pleasure of the governing body of each appointing party and each party shall bear its own Watermaster expense.

a. Organization. Watermaster shall perform the duties specified herein on an informal basis, by unanimous agreement. In the event the two representatives are unable to agree upon any finding or decision, they shall select a third member to act, pursuant to the applicable laws of the State of California. Thereafter, until said issue is resolved, said three shall sit formally as a board of arbitration. Upon resolution of the issue in dispute, the third member shall cease to function further.

b. Availability of Information. Each party hereto shall, for itself and its residents and water users, use its best efforts to furnish all appropriate information to the Watermaster in order that the required determination can be made.

c. Cooperation With Other Watermasters. Watermaster hereunder shall cooperate and coordinate activities with the Watermasters appointed in the San Gabriel Basin Case and in Long Beach v. San Gabriel Valley Water Company, et al.

d. Determination of Underflow. Watermaster shall annually determine the amount of underflow from Puente Basin to the San Gabriel Basin, pursuant to Engineering Criteria.

e. Perpetual Accounting. Watermaster shall maintain a perpetual account of accumulated base underflow, accumulated subsurface flow, any deficiencies by reason of interference with surface flows, and the offsetting credit for any make-up payments. Said account shall annually show the accumulated credit or debit in the obligation of Puente Agency to Upper District.

f. Report. Watermaster findings shall be incorporated in a brief written report to be filed with the parties and with the Watermaster in the San Gabriel Basin Case. Said report shall contain a statement of the perpetual account heretofore specified.

8. Base Underflow. On the basis of a study and review of historic underflow from Puente Basin to the Main San Gabriel Basin, adjusted for the effect of the paved flood control channel and other relevant considerations, it is

mutually agreed by the parties that the base underflow is and shall be 580 acre feet per year, calculated pursuant to Engineering Criteria.

9. Puente Agency's Obligation. Puente Agency covenants, agrees and assumes the following obligation hereunder:

a. Noninterference with Surface Flow. Neither Puente Agency nor any persons or entities within the corporate boundaries of Walnut District or Rowland District will divert or otherwise interfere with or utilize natural surface runoff now or hereafter flowing in the storm channel of San Jose Creek; provided, however, that this covenant shall not prevent the use, under Watermaster supervision, of said storm channel by the Puente Agency or Walnut District or Rowland District for transmission within Puente Agency of supplemental or reclaimed water owned by said entities and introduced into said channel solely for transmission purposes. In the event any unauthorized use of surface flow in said channel is made contrary to the covenant herein provided, Puente Agency shall compensate Upper District by utilizing any accumulated credit or by make-up payment in the same manner as is provided for deficiencies in subsurface outflow from Puente Basin.

b. Subsurface Outflow. To the extent that

the accumulated subsurface outflow falls below the accumulated base underflow and the result thereof is an accumulated deficit in the Watermaster's annual accounting, Puente Agency agrees to provide make-up payments during the next year in an amount not less than one-third of the accumulated deficit.

c. Purchase of Reclaimed Water. To the extent that Puente Agency or Walnut District or Rowland District may hereafter purchase reclaimed water from the facilities of Sanitation District 21 of Los Angeles County, such purchaser shall use its best efforts to obtain waters originating within San Gabriel River Watershed.

10. Puente Basin Parties Dismissal. In consideration of the assumption of the obligation hereinabove provided by Puente Agency, Upper District consents to entry of dismissals as to all Puente Basin parties in San Gabriel Basin Case. This agreement shall be submitted for specific approval by the Court and a finding that it shall operate as full satisfaction of any and all claims by the parties within Main San Gabriel Basin against Puente Basin parties by reason of historic surface and subsurface flow.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed as of the day and date first above written.

Approved as to form:
CLAYSON, STARK, ROTHROCK & MANN

By _____
Attorneys for Puente Agency

PUENTE BASIN AGENCY

By _____
EDMOND M. BIEDERMAN
President

Approved as to form:

By _____
Attorney for Upper District

UPPER SAN GABRIEL VALLEY
MUNICIPAL WATER DISTRICT

By _____
Howard H. Hawkins
President

The foregoing agreement is approved and accepted, and the same is acknowledged as the joint and several obligation of the undersigned.

Approved as to form:

_____
Attorney for Walnut District

WALNUT VALLEY WATER DISTRICT

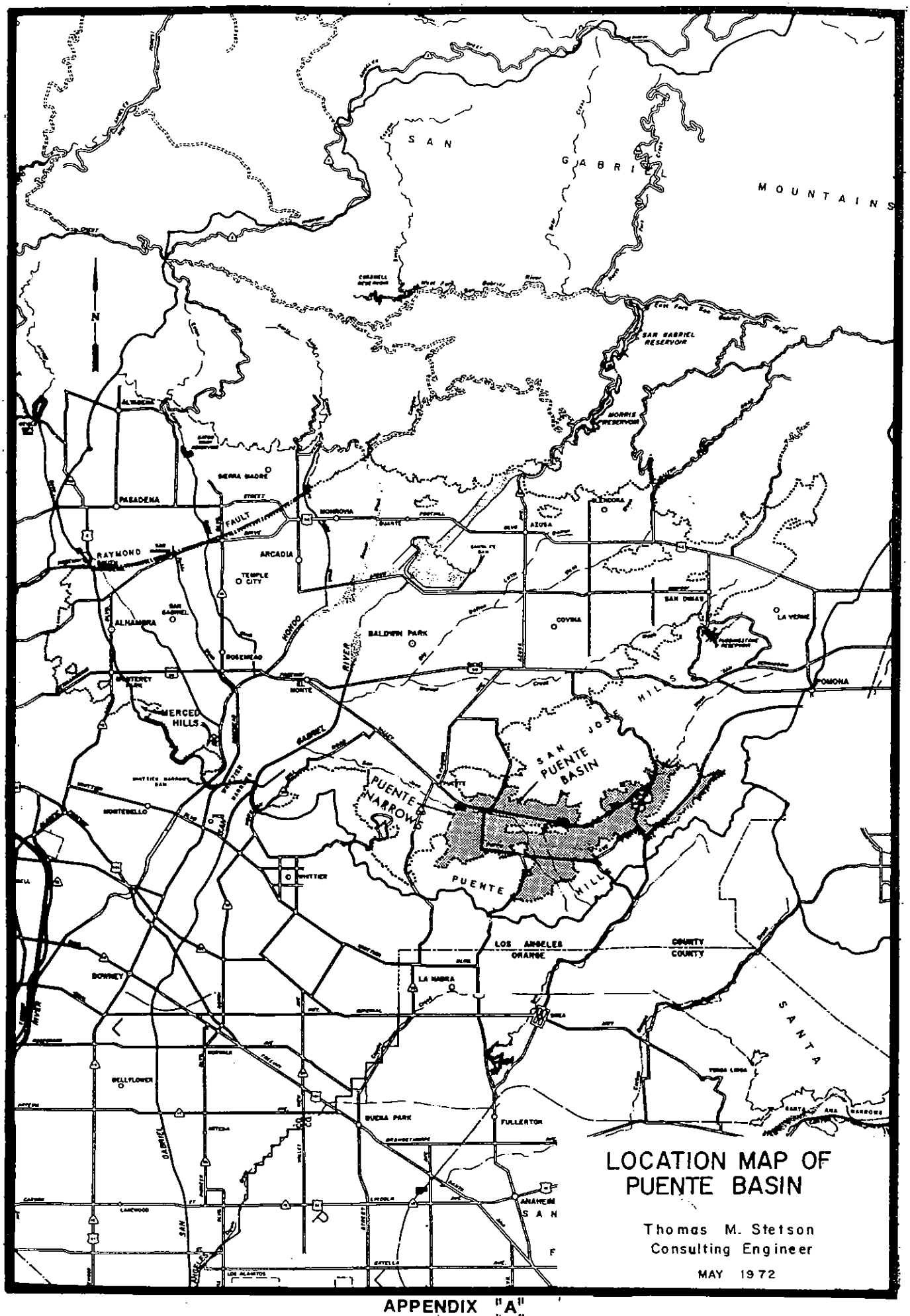
By _____
J. P. BOURDET
Vice President

Approved as to form:

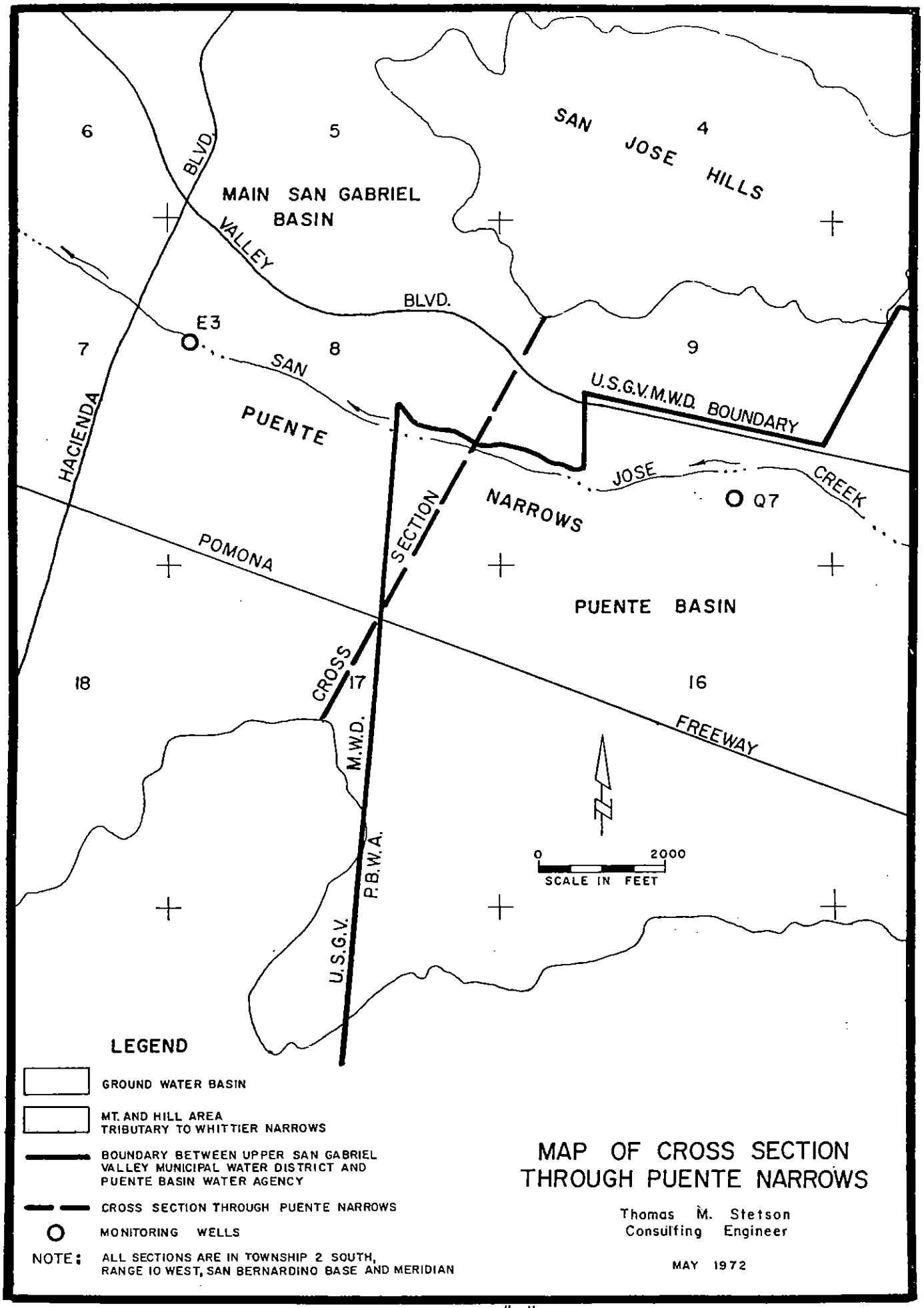
_____
Attorneys for Rowland District

ROWLAND AREA COUNTY WATER
DISTRICT

By _____
President
Wm. A. Simmons



APPENDIX "A"
EXHIBIT "J"



APPENDIX "B"
EXHIBIT "J"

ENGINEERING CRITERIA

APPENDIX "C"

1. Monitoring Wells. The wells designated as State Wells No. 2S/10W-9Q7 and 2S/10W-8E3 and Los Angeles County Flood Control District Nos. 3079M and 3048B, respectively, shall be used to measure applicable ground water elevations. In the event either monitoring well should fail or become unrepresentative, a substitute well shall be selected or drilled by Watermaster. The cost of drilling a replacement well shall be the obligation of the Puente Agency.

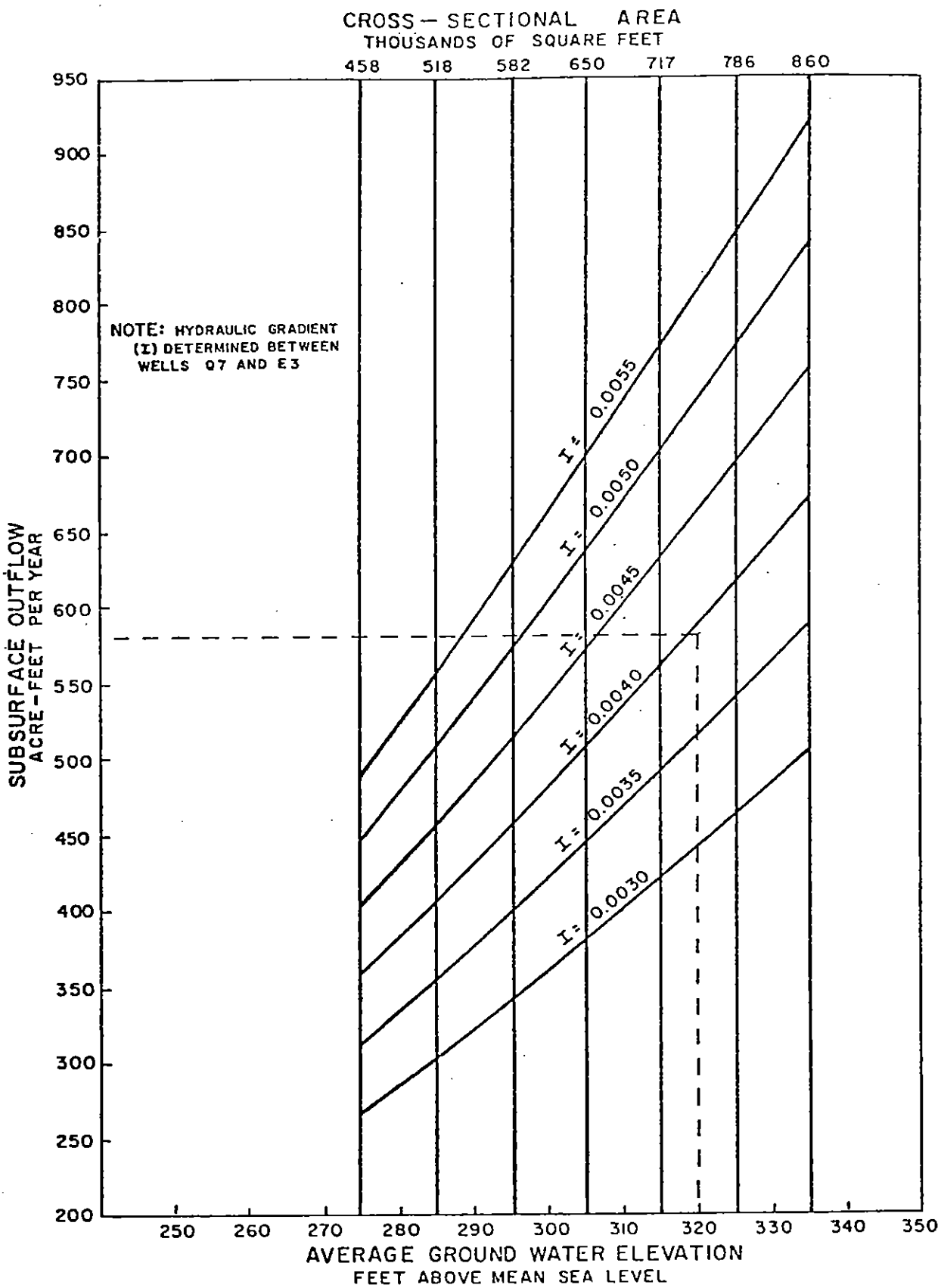
2. Measurement. Each monitoring well shall be measured and the ground water elevation determined semi-annually on or about April 1 and October 1 of each year. Prior to each measurement, the pump shall be turned off for a sufficient period to insure that the water table has recovered to a static or near equilibrium condition.

3. Hydraulic Gradient. The hydraulic gradient, or slope of the water surface through Puente Narrows, shall be calculated between the monitoring wells as the difference in water surface elevation divided by the distance, approximately 9,000 feet, between the wells. The hydraulic gradient shall be determined for the spring and fall and the average hydraulic gradient calculated for the year.

4. Ground Water Elevation at Puente Narrows Cross Section. The ground water elevation at the Puente Narrows

cross section midway between the monitoring wells shall be the average of the ground water elevation at the two wells. This shall be determined for the spring and fall and the average annual ground water elevation calculated for the year.

5. Determination of Underflow. The chart attached is a photo-reduction of a full scale chart on file with the Watermaster. By applying the appropriate average annual hydraulic gradient (I) to the average annual ground water elevation at the Puente Narrows cross section (involving the appropriate cross-sectional area [A]), it is possible to read on the vertical scale the annual acre feet of underflow.



RELATIONSHIP OF AVERAGE GROUND WATER ELEVATION AT PUENTE NARROWS AND APPLICABLE CROSS-SECTIONAL AREA WITH SUBSURFACE OUTFLOW THROUGH PUENTE NARROWS FOR VARIOUS HYDRAULIC GRADIENTS

Thomas M. Stetson
Consulting Engineer
MAY 1972

EXHIBIT "K"

OVERLYING RIGHTS

I. NATURE OF OVERLYING RIGHT

An "Overlying Right" is the right to Produce water from the Main San Gabriel Basin for use on the overlying lands hereinafter described. Such rights are exercisable without quantitative limit only on said overlying land and cannot be separately conveyed or transferred apart therefrom. The exerciser of such right is assessable by Watermaster as provided in Paragraph 21 of the Amended Judgment herein (prior Paragraph 14.5 of the Judgment herein) and is subject to the other provisions of said Paragraph.

II. OVERLYING LANDS (Description)

The overlying lands to which Overlying Rights are appurtenant are described as follows:

> "Those portions of Lots 1 and 2 of the lands formerly owned by W.A. Church, in the Rancho San Francisquito, in the City of Irwindale, County of Los Angeles, State of California, as shown on recorder's filed map No. 509, in the office of the County Recorder of said County, lying northeasterly of the northeasterly line and its southeasterly prolongation of Tract 1888, as shown on map recorded in Book 21 page 183 of Maps, in the office of the County Recorder of said County.
>
> "EXCEPT the portions thereof lying northerly and northwesterly of the center line of Arrow Highway described 'Sixth' and the center line of Live Oak Avenue described 'Third' in a final decree of condemnation, a certified copy of which was recorded August 18, 1933 as Instrument No. 354, in Book 12289, Page 277, Official Records.
>
> "ALSO EXCEPT that portion of said land described in the final decree of condemnation entered in Los Angeles County Superior Court Case No. 805008, a certified copy of which was recorded September 21, 1964, as Instrument No. 3730, in Book D-2634, Page 648, Official Records."

III. PRODUCERS ENTITLED TO EXERCISE OVERLYING RIGHTS AND THEIR RESPECTIVE CONSUMPTIVE USE PORTIONS

The persons entitled to exercise Overlying Rights are both the owners of Overlying Rights and persons and entities licensed by such owners to exercise such Overlying Rights. The persons entitled to exercise Overlying Rights and their respective Consumptive Use portions are as follows:

OWNER PRODUCERS	CONSUMPTIVE USE PORTION
BROOKS GIFFORD, SR. BROOKS GIFFORD, JR. PAUL MNOIAN JOHN MGRDICHIAN J. EARL GARRETT	3.5 acre-feet per year
Present User: Nu-Way Industries	
PRODUCERS UNDER LICENSE	
A. WILLIAM C. THOMAS and EVELYN F. THOMAS, husband and wife, and MALCOLM K. GATHERER and JACQUELINE GATHERER, husband and wife, doing business by and through B & B REDI-I-MIX CONCRETE, INC., a corporation	45.6 acre-feet per year
B. PRE-STRESS CRANE RIGGING & TRUCK CO., INC., a corporation	1.0 acre-foot per year
Present Users: Pre-Stress Crane Rigging & Truck Co., Inc., a corporation	
Total	50.1 acre-feet per year

IV. ANNUAL GROSS AMOUNT OF PRODUCTION FROM WHICH CONSUMPTIVE USE PORTIONS WERE DERIVED

183.65 acre-feet

LIST OF PRODUCERS AND THEIR DESIGNEES
June, 1989

Producer Name	Designee
A	
Adams Ranch Mutual Water Company	Goji Iwakiri
Alhambra, City of	T. E. Shollenberger
Amarillo Mutual Water Company	Ester Guadagnolo
Anderson, Ray	Ray Anderson
Andrade, Macario, et al.	Macario R. Andrade
Arcadia, City of	Eldon Davidson
AZ-Two, Inc.	R. S. Chamberlain
Azusa, City of	William H. Redcay
Azusa Ag. Water Company	Robert E. Talley
Azusa Valley Water Company	Edward Heck
B	
Baldwin Park County Water District (See Valley County Water District)	-
Banks, Gale C.	Gale C. Banks
Base Line Water Company	Everett W. Hughes, Jr.
Beverly Acres Mutual Water User's Assn. (Formerly Beverly Acres Mutual Water Co.)	Eloise A. Moore
Burbank Development Company	Darrell A. Wright
C	
Cadway, Inc.	P. Geoffrey Nunn
California-American Water Company (San Marino System)	Andrew A. Krueger
California-American Water Company (Duarte System)	Andrew A. Krueger
California Country Club	Henri F. Pellissier
California Domestic Water Company	P. Geoffrey Nunn
Cedar Avenue Mutual Water Company	Austin L. Knapp

Producer Name	Designee
Champion Mutual Water Company	Margaret Bauwens
Chevron, USA, Inc.	Ms. Margo Bart
Clayton Manufacturing Company	Don Jones
Conrock Company	Gene R.Block
Corcoran Brothers	Ray Corcoran
County Sanitation District No. 18	Charles W. Curry
Covell, et al.	Darr Jobe
Covell, Ralph	Ralph Covell
Covina, City of	Wayne B. Dowdey
Covina Irrigating Company	William R. Temple
Crevolin, A. J.	A. J. Crevolin
Crown City Plating Company	N. G. Gardner
D	
Davidson Optronics, Inc.	James McBride
Dawes, Mary Kay	Mary Kay Dawes
Del Rio Mutual Water Company	Gonzalo Galindo
Driftwood Dairy	James E. Dolan
Dunning, George	George Dunning
E	
East Pasadena Water Company	Robert D. Mraz
El Monte, City of	Robert J. Pinniger
El Monte Cemetery Association	Linn E. Magoffin
F	
Faix, Ltd.	Henri F. Pellissier
G	
Glendora, City of	Arthur E. Cook
Green, Walter	Dr. Walter Green
H	
Hansen, Alice	Alice Hansen

Producer Name	Designee
Hartley, David	David Hartley
Hemlock Mutual Water Company	Bud Selander
Hunter, Lloyd F.	Lloyd F. Hunter
I	
Industry Waterworks System, City of	Mary L. Jaureguy
K	
Kiyan Farm Kiyan, Hideo	Mrs. Hideo Kiyan
Kirklen Family Trust	Dawn Kirklen
Knight, Kathryn M.	William J. Knight
L	
Landeros, John	John Landeros
La Puente Valley County Water District	Mary L. Jaureguy
La Verne, City of	N. Kathleen Hamm
Livingston-Graham	Gary O. Tompkins
Los Angeles, County of	Robert L. Larson
Loucks, David	David Loucks
M	
Maddock, A. G.	Ranney Draper, Esq.
Maechtlen, Trust of J. J.	Jack F. Maechtlen
Maple Water Company, Inc.	Charles King
Martinez, Francis Mercy	Francis Mercy Martinez
Metropolitan Water District of Southern California	Fred Vendig, Esq.
Miller Brewing Company	Dennis B. Puffer
Mnoian, Paul, et al.	Mal Gatherer
Monrovia, City of	Robert K. Sandwick
Monrovia Nursery	Miles R. Rosedale
Monterey Park, City of	Nels Palm

Producer Name	Designee
N	
Nick Tomovich & Sons	Nick Tomovich
O	
Owl Rock Products Company	Peter L. Chiu
P	
Phillips, Alice B., et al.	Jack F. Maechtlen
Pico County Water District	Robert P. Fuller
Polopolus, et al.	Christine Chronis
R	
Rados Brothers	Alexander S. Rados
Richwood Mutual Water Company	Bonnie Pool
Rincon Ditch Company	K. E. Nungesser
Rincon Irrigation Company	K. E. Nungesser
Rose Hills Memorial Park Association	Allan D. Smith
Rosemead Development, Ltd.	John W. Lloyd
Rurban Homes Mutual Water Company	George W. Bucey
Ruth, Roy	Roy Ruth
S	
San Dimas - La Verne Recreational Facilities Authority	R. F. Griszka
San Gabriel Country Club	Fran Wolfe
San Gabriel County Water District	Philip G. Crocker
San Gabriel Valley Municipal Water District	Bob Stallings
San Gabriel Valley Water Company	Robert H. Nicholson, Jr.
Sloan Ranches	Larry R. Sloan
Sonoco Products Company	Elaine Corboy
South Covina Water Service	Anton C. Garnier
Southern California Edison Company	S. R. Shermoen

Producer Name	Designee
Southern California Water Company -San Dimas District	J. F. Young
Southern California Water Company -San Gabriel Valley District	J. F. Young
South Pasadena, City of	John Bernardi
Southwestern Portland Cement Company	Dale W. Heineck
Standard Oil Company of California	John A. Wild
Sterling Mutual Water Company	Bennie L. Prowett
Suburban Water Systems	Anton C. Garnier
Sully-Miller Contracting Company	R. R. Munro
Sunny Slope Water Company	Michael J. Hart
T	
Taylor Herb Garden	Paul S. Taylor
Texaco, Inc.	E. O. Wakefield
Tyler Nursery	James K. Mitsumori, Esq.
U	
United Concrete Pipe Corporation	Doyle H. Wadley
United Rock Products Corporation	William S. Capps, Esq.
V	
Valencia Heights Water Company	Herman Weskamp
Valley County Water District (Formerly Baldwin Park County Water District)	Stanley D. Yarbrough
Valley View Mutual Water Company	Robert T. Navarre
Via, H., Trust of	Marverna Parton
W	
Ward Duck Company	Richard J. Woodland
W. E. Hall Company	Thomas S. Bunn, Jr., Esq.
White, June G., Trustee	June G. Lovelady
Whittier, City of	Neil Hudson
Wilmott, Erma M.	Erma M. Wilmott

Exhibit "M"

WATERMASTER MEMBERS

FOR CALENDAR YEAR 1973

ROBERT T. BALCH (Producer Member), Chairman

LINN E. MAGOFFIN (Producer Member), Vice Chairman

RICHARD L. ROWLAND (Producer Member), Secretary

BOYD KERN (Public Member), Treasurer

WALKER HANNON (Producer Member)

HOWARD H. HAWKINS (Public Member)

M. E. MOSLEY (Producer Member)

CONRAD T. REIBOLD (Public Member)

HARRY C. WILLS (Producer Member)

STAFF

Carl Fossette, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1974

ROBERT T. BALCH (Producer Member), Chairman

LINN E. MAGOFFIN (Producer Member), Vice Chairman

RICHARD L. ROWLAND (Producer Member), Secretary

BOYD KERN (Public Member), Treasurer

WALKER HANNON (Producer Member)

BURTON E. JONES (Public Member)

M. E. MOSLEY (Producer Member)

CONRAD T. REIBOLD (Public Member)

HARRY C. WILLS (Producer Member)

STAFF

Carl Fossette, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson. Engineer

FOR CALENDAR YEAR 1975

ROBERT T. BALCH (Producer Member), Chairman

LINN E. MAGOFFIN (Producer Member), Vice Chairman

HARRY C. WILLS (Producer Member), Secretary

BOYD KERN (Public Member), Treasurer

WALKER HANNON (Producer Member)

BURTON E. JONES (Public Member)

D. J. LAUGHLIN (Producer Member)

M. E. MOSLEY (Producer Member)

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STAFF

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Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1976

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LINN E. MAGOFFIN (Producer Member), Vice Chairman

HARRY C. WILLS (Producer Member), Secretary

BOYD KERN (Public Member), Treasurer

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BURTON E. JONES (Public Member)

D. J. LAUGHLIN (Producer Member)

M. E. MOSLEY (Producer Member)

CONRAD T. REIBOLD (Public Member)

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Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

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Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

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ALFRED F. WITTIG (Public Member)

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ALFRED R. WITTIG (Public Member)

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Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1984

LINN E. MAGOFFIN (Producer Member), Chairman

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ROBERT G. BERLIEN (Producer Member), Secretary

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CONRAD T. REIBOLD (Public Member), Treasurer

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ALFRED R. WITTIG (Public Member)

STAFF

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Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1986

LINN E. MAGOFFIN (Producer Member), Chairman

R. H. NICHOLSON, JR. (Producer Member), Vice Chairman

ROBERT G. BERLIEN (Producer Member), Secretary

CONRAD T. REIBOLD (Public Member), Treasurer

ROBERT T. BALCH (Producer Member)

DONALD F. CLARK (Public Member)

L. E. MOELLER (Producer Member)

REGINOLD A. STONE (Producer Member)

ALFRED R. WITTIG (Public Member)

STAFF

Jane M. Bray, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1987

LINN E. MAGOFFIN (Producer Member), Chairman

REGINALD A. STONE (Producer Member), Vice Chairman

L. E. MOELLER (Producer Member), Secretary

ALFRED R. WITTIG (Public Member), Treasurer

ROBERT T. BALCH (Producer Member)

GERALD J. BLACK (Producer Member)

DONALD F. CLARK (Public Member)

EDWARD R. HECK (Producer Member)

JOHN E. MAULDING (Public Member)

STAFF

Robert G. Berlien, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1988

LINN E. MAGOFFIN (Producer Member), Chairman

REGINALD A. STONE (Producer Member), Vice Chairman

L. E. MOELLER (Producer Member), Secretary

ALFRED R. WITTIG (Public Member), Treasurer

ROBERT T. BALCH (Producer Member)

GERALD J. BLACK (Producer Member)

DONALD F. CLARK (Public Member)

EDWARD R. HECK (Producer Member)

JOHN E. MAULDING (Public Member)

STAFF

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Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

FOR CALENDAR YEAR 1989

LINN E. MAGOFFIN (Producer Member), Chairman

REGINALD A. STONE (Producer Member), Vice Chairman

GERALD G. BLACK (Producer Member), Secretary

ALFRED R. WITTIG (Public Member), Treasurer

ROBERT T. BALCH (Producer Member) *

DONALD F. CLARK (Public Member)

EDWARD R. HECK (Producer Member)

BURTON E. JONES (Public Member)

NELS PALM (Producer Member) **

THOMAS E. SCHOLLENBERGER (Producer Member)

STAFF

Robert G. Berlien, Assistant Secretary-Assistant Treasurer
Ralph B. Helm, Attorney
Thomas M. Stetson, Engineer

* DECEASED APRIL 25, 1989

** Appointed August 24, 1989, for the balance of the calendar year term, to replace deceased member, Robert T. Balch.

APPENDIX H

MAIN SAN GABRIEL BASIN WATERMASTER RULES AND REGULATIONS

MainSanGabrielBasin
WATERMASTER

Rules and Regulations

Upper San Gabriel Valley Municipal Water District v. City of Alhambra, et al.
Case No. 924128 -- Superior Court of Los Angeles County

As amended December 7, 2005 and June 6, 2007
Resolutions 12-05-201 and 6-07-213

TABLE OF CONTENTS

SECTION	TITLE	PAGE NO.
1.	Office and Records	1
2.	Watermaster Meetings and Holidays	1
	(a) Holidays	1
	(b) Meeting Changes	3
	(c) Special Meetings	3
	(d) Adjournment	3
3.	Quorum of Watermaster, Necessary Votes for Action and Roll Call of Votes	3
4.	Agenda of Watermaster Meetings	3
5.	Conduct of Meetings - Roberts' Rules of Order	4
6.	Organization of Watermaster	4
7.	Minutes	4
8.	Designee to Receive Future Notices	4
	(a) Substitute Designee	4
	(b) Service upon Designee	5
	(c) List of Designees	5
9.	Election of Producer Representatives	5
	(a) Notice of Nomination Election	5
	(b) Voting	5
	(c) Conduct of Elections	5
10.	Vacancy on Watermaster and Replacement	6
11.	Watermaster Action Subject to Court Review	6
	(a) Effective Date of Watermaster Action	6
	(b) Notice of Motion	7
	(c) Time for Motion	7
	(d) *De Novo* Nature of Proceedings	7
	(e) Decision	7
12.	Water Measuring Devices and Meter Test Program	7
	(a) Test of Meters Which Supply Watermaster	8

TABLE OF CONTENTS

SECTION		TITLE	PAGE NO.
	(b)	Wells	8
	(c)	Calibrated Test Equipment	9
	(d)	Repair or Replacement of Inaccurate Meters	9
	(e)	Surface Diversions	9
	(f)	Interim Meter Tests	9
	(g)	Watermaster Approved Meter Testers	9
	(h)	Meter Seal by Watermaster and Notification of Meter Maintenance	10
	(i)	Estimation of Production Due to Meter Maintenance	10
13.		Report of Producers to Watermaster	10
	(a)	Adjudicated Right in Excess of Five (5) Acre-Feet Not to be Reduced to Minimal Producer by Transfer	11
	(b)	Notice to Watermaster of Transfers of Water Rights	11
	(c)	Conveyance of Water Right with Conveyance of Property	12
	(d)	Conveyance of Water Right without Conveyance of Property	12
	(e)	Transfer of Overlying Right	12
	(f)	Intervention Stipulation Required	13
	(g)	Notice Required	13
	(h)	Approved Forms of Transfer Documents and Other Forms	13
	(i)	Presumption as to Unexercised Rights	14
14.		Operating Safe Yield	14
	(a)	Preliminary Determination	15
	(b)	Notice of Hearing	15
	(c)	Watermaster Final Determination and Review Thereof	15
15.		Carry-Over Rights	16
	(a)	Pumping	16
	(b)	Diversions	16
	(c)	Overlying Rights	16
	(d)	Presumption as to Carry-Over Rights	16
16.		Special Hearings	16
17.		Policy Decisions	16
18.		Assessments	16
	(a)	Administration Costs	17
	(b)	Replacement Water Costs	17
	(c)	Make-up Obligation	17

TABLE OF CONTENTS

SECTION	TITLE	PAGE NO.
	(d) In-Lieu Water Costs	17
	(e) Waivers Possible for Water Quality Improvement or Protection	17
	(f) Application for Waiver of Assessment	18
	(g) Hearing and Effective Date	19
19.	Levy, Notice and Adjustment of Assessments	20
	(a) Payment	20
	(b) Delinquency	20
	(c) Adjustments	20
20.	Responsibility for Watermaster Assessments	21
21.	Over and/or Under Reporting	21
	(a) Over Reporting	21
	(b) Under Reporting	22
	(c) Delinquent Assessments; Interest; Costs; and Attorney's Fees	23
22.	Information Concerning Offers to Purchase, Sell or Lease Water Rights	23
23.	Watermaster Control of Spreading and Ground Water Storage	24
	(a) Replacement Water and Cyclic Storage Deliveries	24
	(b) Supplemental Water Quality	24
24.	Watermaster Annual Report	25
25.	Watermaster Stipulation Re: Intervention After Judgment	25
26.	Uniform Rules and Conditions of Cyclic Storage Agreements	25
	(a) Application for Cyclic Storage Agreements	25
	(b) Purpose of Cyclic Storage Agreements	25
	(c) Available Storage Capacity	25
	(d) Provisions of Cyclic Storage Agreements	26
	(e) Terms of Cyclic Storage Agreements and Extensions	28
	(f) Maximum Storage	29
	(g) Watermaster to be Held Harmless	29
	(h) Reports of Stored Water	29
	(i) Court Approval of Cyclic Storage Agreements	30
27.	Responsible Agency from Whom Watermaster Shall Purchase Replacement Water	30
	(a) Responsible Agencies	30

TABLE OF CONTENTS

SECTION		TITLE	PAGE NO.
	(b)	Water Used Within the Basin	30
	(c)	Water Exported from the Basin	30
	(d)	Computations of the Amount of Replacement Water to be Purchased from Responsible Agencies	31
	(e)	Net Interagency Transfer Adjustment and Replacement Water Requirement	31
	(f)	Special Provisions	32
	(g)	Special Provisions Re: Alhambra Exchange	33
	(h)	Adjustments to Calculated Replacement Water Requirements	33
	(i)	Advanced Delivery Account	34
28.		Ground Water Quality Management	34
	(a)	Watermaster Approvals	35
	(b)	Watermaster Directed Change in Water Production	35
	(c)	Producer Data, Initial Submittal	36
	(d)	Quarterly Reports	37
	(e)	Operating Principles	37
	(f)	Emergency Exemptions	38
	(g)	Water Quality and Supply Plans	38
	(h)	Ground Water Treatment Facilities	39
	(i)	Decision Making Process, Hearings and Appeals	40
29.		Watermaster-directed Groundwater Management Programs	42

APPENDICES

Appendix "A"	Definitions	44
Appendix "B"	Summary of Critical Dates and Actions for Watermaster	50

EXHIBITS

Exhibit "A"	Permanent Transfer of Water Rights-Prescriptive Pumping Right	A-1
Exhibit "B"	Permanent Transfer of Water Rights-Base Annual Diversion Right	B-1
Exhibit "C"	Permanent Transfer of Water Rights-Integrated Production Right	C-1
Exhibit "D"	Temporary Assignment or Lease of Water Right	D-1

TABLE OF CONTENTS

SECTION	TITLE	PAGE NO.
Exhibit "E"	Stipulation Re Intervention After Judgment	E-1
Exhibit "F"	Designee to Receive Future Notices for and on Behalf of Defendant(s)	F-1
Exhibit "G"	Notice of Transfer of Overlying Rights With Property to Which They are Appurtenant	G-1
Exhibit "H"	Application to Drill Water Well	H-1
Exhibit "I"	Application to Modify Existing Water Well	I-1
Exhibit "J"	Application to Destroy Water Well	J-1
Exhibit "K"	Application for Water Treatment Facility	K-1

RULES AND REGULATIONS OF
MAIN SAN GABRIEL BASIN WATERMASTER

(As Revised, Amended, and Readopted by Resolution No.12-05-201, adopted December 7, 2005, and Resolution No. 6-07-213, adopted June 6, 2007.)

The definitions set forth in the Judgment in Los Angeles County Superior Court Civil Action No. 924128, entitled, "Upper San Gabriel Valley Municipal Water District v. City Alhambra. et al," as amended (Judgment herein), as well as additional definitions relating specifically to Section 28 of these Rules and Regulations, are used herein with the same meanings and are listed in Appendix "A" hereof.

1. Offices and Records. Watermaster's records shall be maintained at its offices, currently located at:

725 North Azusa Avenue
Azusa, California 91702
Telephone (626) 815-1300
Fax (626) 815-1303

Said records shall be available for inspection by any Party during regular business hours. Copies of said records may be had upon payment of the costs of the duplication thereof and of any preparation costs pertaining thereto.

2. Watermaster Meetings and Holidays. Regular meetings of Watermaster shall be held at 3:00 p.m. on the first Wednesday of each and every month in the conference room of the City of Azusa Light and Water Administration Facility, 729 North Azusa Avenue, Azusa, California 91072, or at such time and place as otherwise determined by Watermaster.

(a) Holidays. The following holidays shall be observed by Watermaster:

- January 1 (New Year's Day);

- The third Monday in January (Martin Luther King's Birthday);

- The third Monday in February (Presidents' Day);

- The last Monday in May (Memorial Day);

- July 4 (Independence Day);

- The first Monday in September (Labor Day);

- The second Monday in October (Columbus Day);

- November 11 (Veterans' Day);

-The fourth Thursday and the following Friday in November (Thanksgiving);

- December 25 (Christmas Day);

- Each employee's individual birthday, to be taken as a holiday during the month of such birthday as approved by the Executive Officer; and one floating holiday each year, to be designated by the Executive Officer.

(1) If January 1, July 4, November 11, or December 25 falls on a Sunday, the Monday following shall be that holiday and if any of said dates fall on a Saturday, the preceding Friday shall be that holiday.

(2) When any regular meeting of Watermaster shall fall on a hereinabove designated Watermaster holiday (excepting employees' birthdays and said floating holiday), said regular meeting shall be held on the next succeeding regular business day at the same time and at the same place as the said regularly scheduled meeting, unless otherwise determined by Watermaster.

(b) Meeting Changes. Any changes in the time or place of said regular meeting shall be in compliance with the Judgment.

(c) Special Meetings. Special meetings of Watermaster may be called at any time by the Chairman or Vice-Chairman or by any three (3) members of Watermaster, by written notice in compliance with the Judgment. The calling notice shall specify the time and place of the special meeting and the business to be transacted. No other business shall be considered at such meetings.

(d) Adjournment. Any meeting of Watermaster may be adjourned to a time and place specified in the Order of Adjournment. Less than a quorum of Watermaster, Watermaster's Secretary, or the Executive Officer may so adjourn from time to time. A copy of the Order or Notice of Adjournment shall be conspicuously posted on or near the door of the place where the meeting was held or to be held, within twenty-four (24) hours after the adoption of the Order of Adjournment.

3. Quorum of Watermaster, Necessary Votes for Action and Roll Call of Votes. Five (5) members of Watermaster shall constitute a quorum for the transaction of its affairs. Action by the affirmative vote of five (5) members shall constitute action by the Watermaster, except that the affirmative vote of six (6) members shall be required: (a) to enter into any Cyclic Storage Agreement; or (b) to approve the purchase, spreading or injection of Supplemental Water for Ground Water recharge.

Any member of Watermaster may request a roll call vote on any question or motion considered and the ayes and noes thereon shall be recorded in the minutes of the meeting.

4. Agenda of Watermaster Meetings. Any person requesting that a matter be considered by Watermaster for action thereon shall request the same in writing

directed to Watermaster's Executive Officer for inclusion on the Agenda of the next scheduled meeting to be held at least ten (10) days after receipt of said request.

5. Conduct of Meetings -- Roberts' Rules of Order. For the conduct of Watermaster meetings, Roberts' Rules of Order shall be followed and, without consent of Watermaster, the priorities of Watermaster business shall be that stated in the Agenda for a particular meeting.

6. Organization of Watermaster. At its first meeting each year, Watermaster shall elect a Chairman and Vice Chairman from its membership. It shall also select a Secretary and a Treasurer and may select such assistants as may be appropriate, any of whom may, but need not be, members of Watermaster.

7. Minutes. Minutes of all Watermaster meetings shall be kept, which shall reflect all actions taken. Draft copies thereof shall be furnished to any Party who files a request therefor in writing with Watermaster. Said draft copies of minutes shall constitute notice of any Watermaster action therein reported and failure of a Party herein to request copies thereof shall constitute his waiver of notice.

8. Designee to Receive Future Notices. Each Party who has not heretofore made a designation of the name and address of the person who shall receive service upon and delivery to Parties of various papers shall file with the Court, with proof of service of a copy thereof upon Watermaster, a written designation of the person to whom and the address at which all future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon that Party or delivered to the Party are to be so served or delivered.

(a) Substitute Designee. A later substitute designation filed and served in the same manner by any Party shall be effective from the date of filing as to any future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon or delivered to that Party.

(b) Service upon Designee. Delivery to or service upon any Party by Watermaster, by any other Party, or by the Court, of any item required to be served upon or delivered to a Party under or pursuant to the Judgment herein may be by deposit in the mail, first class, postage prepaid, addressed to the latest Designee of the Party to be served and at the address of said latest designation filed by that Party.

(c) List of Designees. Watermaster shall maintain a current list of Party Designees to receive notices under the Judgment.

9. Election of Producer Representatives.

(a) Notice of Nomination Election. Watermaster shall annually give thirty (30) days notice to all Parties that an election shall be held at Watermaster's regularly scheduled meeting in November of each year, for the purpose of nominating Producer representatives to Watermaster.

(b) Voting. Nominations of six (6) Producer representatives shall be by cumulative voting in person or by proxy, with each Producer entitled to one (1) vote for each one hundred (100) acre-feet, or portion thereof, owned by him, of Base Annual Diversion Right, Prescriptive Pumping Right or Integrated Production Right, as defined in the Judgment. When the names placed in nomination exceed the number of representatives to be elected, votes shall be cast by ballot using official ballot forms provided by Watermaster. Each ballot form must list the Producer and Designee or proxy holder casting the vote, the Producer's voting entitlement, the names of the nominees for whom the votes have been cast, and the number of votes cast for each nominee.

(c) Conduct of Elections. Prior to the nomination of Producer representatives, the Chairman shall appoint tellers to conduct the election. Such tellers may include any member of Watermaster staff to monitor the canvassing

and counting of votes. The tellers shall distribute the ballots, and, at the conclusion of the balloting, collect the ballots, retire to tabulate the votes, and promptly report the results of the election to the Parties present at the election.

(1) In the event there is a challenge to the declared election results, the Chairman shall appoint three (3) Producer Parties as election inspectors who shall recount the election ballots and immediately certify the results of such election to Watermaster and others present at the election.

(2) All ballots shall be considered confidential, and no ballot or information thereon shall be disclosed except to the appointed tellers and election inspectors, without the express permission of the Producer casting the ballot.

10. Vacancy on Watermaster and Replacement. In the event of a vacancy on Watermaster, a successor shall be nominated at a special meeting of Watermaster and Producers to be called by Watermaster within ninety (90) days in the case of a Producer representative or by the action of the appropriate District Board of Directors in the case of a Public Representative. Subject to approval and appointment by the Court, such successor Watermaster shall fill the unexpired term of the Watermaster member replaced.

11. Watermaster Action Subject to Court Review. Any action, decision, rule or procedure of Watermaster shall be subject to review by the Court on its own motion or on timely petition or motion for an Order to Show Cause by any Party, as follows:

(a) Effective Date of Watermaster Action. Any order, decision or action of Watermaster shall be deemed to have occurred on the date that written notice thereof is mailed. Mailing of draft copies of Watermaster minutes which contain such order, decision, action, or contemplated action, to the Parties

requesting the same shall constitute such notice to all Parties, as of the date of such mailing.

(b) Notice of Motion. Any Party may, by a regularly noticed motion, petition the Court for a review of any Watermaster action or decision. Notice of such motion shall be mailed to Watermaster and to the Designees of all Parties. Unless ordered by the Court, such petition shall not operate to stay the effect of such Watermaster action.

(c) Time for Motion. Within thirty (30) days of mailing of Notice of Watermaster Determination of Operating Safe Yield together with a statement of each Producer's entitlement thereunder, any affected Party may, by a regularly noticed motion, Petition the Court for an Order to Show Cause for review of said Watermaster findings, determination or entitlement and thereupon the Court shall hear Objections thereto and settle such dispute.

Notice of motion to review any other Watermaster action or decision shall be served and filed within ninety (90) days after such Watermaster action or decision.

(d) *De Novo* Nature of Proceedings. Upon filing of such motion for hearing, the Court shall notify the Parties of the date for taking evidence and argument, and shall review *de novo* the question at issue on the date designated. The Watermaster decision or action shall have no evidentiary weight in such proceedings.

(e) Decision. The decision of the Court in such proceedings shall be an appealable Supplemental Order in this case. When the same is final, it shall be binding upon the Watermaster and the Parties.

12. Water Measuring Devices and Meter Test Program. Parties producing in excess of five (5) acre-feet per year shall, pursuant to these uniform rules, install and

maintain in good operating condition, at the cost of each such Party, such necessary water measuring devices or meters as may be appropriate. Any such measuring device is subject to such inspection and testing as Watermaster may, from time to time, deem necessary. Upon testing, the meters shall be sealed by Watermaster and remain so sealed. Watermaster will conduct a formal meter-testing program to help the Parties accurately report their Production. Watermaster intends to test every meter under its jurisdiction at least once every two (2) years.

(a) Tests of Meters Which Supply Watermaster. At least once every two (2) years, Watermaster shall request certified meter tests of all meters of Responsible Agencies through which Supplemental Water is furnished to Watermaster and of the meters which measure all Cyclic Storage deliveries authorized by Watermaster.

(b) Wells. Water wells shall be equipped with a positive displacement, velocity impeller, venturi, orifice-type or electromagnetic flow meter with a totalizer. The totalizer on positive displacement, velocity impeller, venturi and orifice-type meters shall be correctable only by changing mechanical gear equipment. Producers using electromagnetic flow meters shall ensure that electronic access to meter data is user-defined and password-protected to prevent unauthorized resetting of the totalizer. Additionally, all wells equipped with electromagnetic flow meters shall also have a run-hour meter installed to provide verification of production in the event the totalizer is inappropriately or accidentally reset or its accuracy is otherwise disputed. The meter shall be accessible and installed according to good design practices. Watermaster personnel shall assist any Party having any question as to installation requirements.

(c) Calibrated Test Equipment. Watermaster or its approved meter tester will maintain a complete line of carefully calibrated test equipment. This equipment is the standard with which all water meters must be compared. The tolerance for each meter is plus (+) or minus (-) five percent (5%) of the standard. Watermaster may require any Producer with multiple wells and meters to maintain an aggregate accuracy of plus (+) or minus (-) two percent (2%).

(d) Repair or Replacement of Inaccurate Meters. Defective or inaccurate meters must be repaired within thirty (30) days of receipt of notice thereof from Watermaster.

(e) Surface Diversions. Surface Water Diversions shall be measured with a weir and recorder or meter capable of accurately measuring and recording such Diversions.

(f) Interim Meter Tests. Should a Producer discover that the meter which measures the water Production from his well is measuring inaccurately, he shall first notify Watermaster thereof, have the meter retested and, if measuring inaccurately, then have the same repaired at the earliest practical and reasonable time. Upon the completion of such repair, such Producer shall immediately have such meter tested and sealed by Watermaster and it shall remain so sealed. Such testing and sealing will be accomplished by Watermaster upon request therefor by said Producer or said repaired meter may be tested and sealed by any meter tester authorized by Watermaster, as provided in Subsection (g) of this Section 12. Results of such meter tests shall be furnished to Watermaster within ten (10) days of testing, on forms provided by Watermaster.

(g) Watermaster Approved Meter Testers. Persons, firms or corporations in the business of repairing and/or testing water measuring devices

may be approved by Watermaster to test and seal meters on behalf of Watermaster by submitting their qualifications therefor to Watermaster and obtaining Watermaster's approval to perform meter tests and seal such meters as agents of Watermaster. The name, address and telephone number of all such Watermaster approved meter testers shall be maintained at and be available from the office of Watermaster.

(h) Meter Seal by Watermaster and Notification of Meter Maintenance. At the completion of all meter tests Watermaster's seal shall be placed on the meter, if the meter test demonstrates that the meter is within the accuracy standard of five percent (5%).

Such sealing then requires that Watermaster be notified in writing within seven (7) days if Watermaster's seal has been broken or if any of the following events occur: (a) the meter is to be repaired or recalibrated; (b) there is any other interference affecting the meter or Watermaster's seal; (c) the meter is to be relocated even if Watermaster's seal is still intact; or (d) a new meter is to be installed.

(i) Estimation of Production Due to Meter Maintenance. When a Producer must estimate Production due to meter maintenance, he shall consult with Watermaster or its engineer for approval of the method of estimation. A copy of the estimate calculations shall be supplied to Watermaster with the corresponding Quarterly Production Report.

13. Reports of Producers to Watermaster. Each Producer with an adjudicated right in excess of five (5) acre-feet per year and each Producer with an Overlying Right in any amount shall file with Watermaster a quarterly report of water Produced from the Basin or Relevant Watershed, on forms provided by Watermaster. Producers using electromagnetic flow meters shall report run hours in addition to

totalizer readings. Quarterly Production Reports shall be so filed no later than the last day of the month next succeeding the end of the relevant quarter, i.e. April 30, July 31, October 31 and January 31.

(a) Adjudicated Right in Excess of Five (5) Acre-Feet Not to be Reduced to Minimal Producer by Transfer. Any portion of: (1) the Base Annual Diversion Right of a Diverter; (2) the Prescriptive Pumping Right of a Pumper; or (3) the Diversion Component and Prescriptive Pumping Component of an Integrated Producer, adjudicated in any amount in excess of five (5) acre-feet per year [at the time that Judgment herein was entered, January 4, 1973], that is or may be reduced to five (5) acre-feet or less by assignment or transfer of rights, as permitted by Section 55 of the Judgment, shall not enjoy the status of a Minimal Producer as defined in Section 10 (o) of the Judgment.

(b) Notice to Watermaster of Transfers of Water Rights. Within fifteen (15) days thereof all Parties shall notify Watermaster of any transfer, assignment, license or lease of any water right, or portion thereof, not shown in the Judgment or previously filed with Watermaster and such transferee must be or become a Party to the action (as provided in Section 57 of the Judgment). All Parties are required to notify Watermaster of any subsequent assignment, transfer, license or lease of water rights granted or acquired by them and they shall file a duly acknowledged copy of the document(s) therefor with Watermaster, within fifteen (15) days after execution and acknowledgement of such document(s).

For such assignment, transfer, license or lease of water rights to be effective for, or be deemed by Watermaster to apply to, Production in a particular Fiscal Year (July 1 - June 30), the document(s) therefor shall be executed and acknowledged prior to the end of said Fiscal Year (June 30) and

copies thereof showing such acknowledgement must be received by Watermaster prior to July 15, following the end of said particular Fiscal Year. The transferee must be, or petition to become, a Party to the action within ninety (90) days following such assignment, transfer, license or lease of water rights.

When the term of a temporary assignment, transfer, license or lease of water rights extends beyond the end of the current Fiscal Year, it shall be the obligation of the transferee thereof to annually, during the month of July of each Fiscal Year during said term, notify Watermaster of said transferee's intention to exercise said water right during the then current applicable Fiscal Year.

(c) Conveyance of Water Right with Conveyance of Property. Parties are advised that when a water right owner conveys the property where a water right was developed, the said water right shall not be conveyed with such property unless and until the appropriate notice procedures established by Watermaster have been complied with. When it is intended to transfer or acquire adjudicated water rights in the Basin or Relevant Watershed, the Parties thereto are advised to use the appropriate forms contained in exhibits to these Rules and Regulations and to notify Watermaster of such transfers by furnishing a copy of such transfer documents(s) within fifteen (15) days of execution and acknowledgement thereof.

(d) Conveyance of Water Right without Conveyance of Property. Parties are also advised that the owner of an adjudicated water right herein (except an Overlying Right) may transfer the same (temporarily or permanently) without conveyance of the property where the water right was developed.

(e) Transfer of Overlying Right. The transfer and use of Overlying Rights shall be limited (as provided in Section 21 of the Judgment) as

exercisable only on specifically defined Overlying Lands and they cannot be separately conveyed or transferred apart therefrom.

(f) Intervention Stipulation Required. No conveyance of water rights to a person who is not a Party to the subject action shall be recognized by Watermaster unless the transferee thereof files with Watermaster a Stipulation in Intervention to the subject action (Exhibit "E") agreeing to be bound by the Judgment herein, and until the Court approves said Stipulation and Intervention.

(g) Notice Required. Any transfer of water rights shall be effective only when the requirements of this Section 13 are met and when the Parties file with Watermaster, within fifteen (15) days of such transfer, a copy of the transfer document(s) which:

(1) Identifies both the transferee(s) and the transferor(s);

(2) Accurately recites the total quantity (in acre-feet) of water rights transferred;

(3) Is executed by both the transferee(s) and the transferor(s);

(4) Is acknowledged by both transferee(s) and transferor(s) in a form sufficient for recordation;

(5) Lists the Designee(s) of both the transferor(s) and transferee(s) to receive future service and notice of papers and process; and

(6) Is accompanied by a map of the service area where the water was used by transferor(s) (assignors) and a map of the service area where the water is intended to be used by the transferee(s) (assignees), if requested by Watermaster.

(h) Approved Forms of Transfer Documents and Other Forms. Approved forms of such transfer documents and other approved Watermaster

forms are attached hereto, marked and identified as follows:

Exhibit "A"	Permanent Transfer of Water Rights--Prescriptive Pumping Right
Exhibit "B"	Permanent Transfer of Water Rights--Base Annual Diversion Right
Exhibit "C"	Permanent Transfer of Water Rights--Integrated Production Right
Exhibit "D"	Temporary Assignment or Lease of Water Right
Exhibit "E"	Stipulation Re Intervention After Judgment
Exhibit "F"	Designee to Receive Future Notices for and on Behalf of Defendant(s)
Exhibit "G"	Notice of Transfer of Overlying Rights With Property to Which They are Appurtenant.
Exhibit "H"	Application To Drill Water Well
Exhibit "I"	Application To Modify Existing Water Well
Exhibit "J"	Application To Destroy Water Well
Exhibit "K"	Application For Water Treatment Facility

(i) Presumption as to Unexercised Rights. Unless otherwise noted on the above mentioned transfer documents(s), it will be presumed by Watermaster that the permanent transfer of water rights will include all unexercised rights thereunder, including authorized carry-over of unused rights.

14. Operating Safe Yield. Watermaster shall annually determine the Operating Safe Yield applicable to the succeeding Fiscal Year and estimate the same for the next succeeding four (4) Fiscal Years. Said determination shall be made at the close of the hearing thereon, which shall be commenced at Watermaster's regular meeting in May of each year. Watermaster shall notify each Pumper and Integrated Producer of his

share thereof, stated in acre-feet per Fiscal Year. Thereafter, no Party may produce in any Fiscal Year any Consumptive Use Portion of any Overlying Right, or an amount in excess of the sum of his Diversion Right, if any, plus his Pumper's Share of such Operating Safe Yield, or his Integrated Production Right, or the terms of any Cyclic Storage Agreement, without being subject to Assessment for the purpose of purchasing Replacement Water. The rate of such Assessment shall be established at the same meeting at which the Operating Safe Yield is established, and it may be estimated for the years for which Operating Safe Yield is estimated. In establishing the Operating Safe Yield, the Watermaster shall follow all physical, economic, and other relevant parameters provided in the Judgment herein. Said determination shall be made in accordance with the following:

(a) Preliminary Determination. At Watermaster's regular meeting in April of each year, Watermaster shall make a Preliminary Determination of the Operating Safe Yield of the Basin for each of the succeeding five (5) Fiscal Years. Said determination shall be made in the form of a report containing a summary statement of the considerations, calculations and factors utilized by Watermaster in arriving at the said Operating Safe Yield.

(b) Notice of Hearing. A copy of said Preliminary Determination Report shall be mailed to all Parties at least ten (10) days prior to a hearing thereon to be commenced at Watermaster's regular meeting in May of each year, at which time objections or suggested corrections or modifications of said determination shall be considered.

(c) Watermaster Final Determination and Review Thereof. Within thirty (30) days after completion of said hearing, Watermaster shall mail to each Pumper, Diverter, Overlying User and Integrated Producer a Final Report and Determination of said Operating Safe Yield for each such Fiscal Year, together

with a statement of the Producer's entitlement in each such Fiscal Year stated in acre-feet. Any affected Party, within thirty (30) days of mailing of notice of said Watermaster determination, may petition the Court for an Order to Show Cause for Review of said determination in accordance with Section 11 hereof.

15. Carry-over Rights.

(a) Pumping. Any Pumper's Share of Operating Safe Yield, and the Production right of any Integrated Producer which is not Produced in a given year may be carried over and accumulated for one (1) year.

(b) Diversions. Diverters shall be entitled to Divert for direct use up to two hundred percent (200%) of their Base Annual Diversion Right in any Fiscal Year, provided that the aggregate quantities of water Diverted in any consecutive ten (10) Fiscal Year period shall not exceed ten (10) times such Diverter's Base Annual Diversion Right.

(c) Overlying Rights. By definition, there is no carry-over of Overlying Rights.

(d) Presumption as to Carry-over Rights. The first water Produced in the succeeding Fiscal Year shall be deemed Produced pursuant to such Producer's Carry-over Rights.

16. Special Hearings. Watermaster shall conduct such special hearings as deemed appropriate upon thirty (30) days notice to the Parties hereto.

17. Policy Decisions. No policy decision shall be made by Watermaster until its next regular meeting after the question involved has been raised for discussion at a Watermaster meeting and noted in the draft of minutes thereof.

18. Assessments. Watermaster may levy and collect Assessments from the Producer Parties based upon Production during the preceding Fiscal Year. Said Assessments may be for one or more of the following purposes:

(a) Administration Costs. At its regular May meeting Watermaster shall adopt a proposed budget for the succeeding Fiscal Year and within fifteen (15) days shall mail a copy thereof to each Party, together with a statement of the level of Administration Assessment levied by Watermaster and which will be collected for purposes of raising funds for said budget. Said Assessments shall be uniformly applicable to each acre-foot of Production.

(b) Replacement Water Costs. Replacement Water Assessments shall be collected from each Producer on account of such Party's Production in excess of its Diversion Rights, Pumper's Share or Integrated Production Right, and on account of the consumptive use portion of Overlying Rights, computed at the applicable rates established by Watermaster, consistent with Watermaster's Operating Criteria (Exhibit "H" to the Judgment).

(c) Make-up Obligation. An Assessment shall be levied and collected equally on account of each acre-foot of Production, which does not bear a Replacement Water Assessment hereunder, to pay all necessary costs of administration and satisfaction of the Make-up Obligation. Such Assessment shall not be applicable to water Production of an Overlying Right.

(d) In-Lieu Water Cost. An Assessment may be levied against all Pumping to pay reimbursement for In-Lieu Water Cost except that such Assessments shall not be applicable to the non-consumptive use portion of Overlying Rights.

(e) Waivers Possible for Water Quality Improvement or Protection. In accordance with Section 45 (e) of the Judgment, a Producer of water from the Basin for the purpose of testing, protecting, or improving water quality, may apply in writing by verified petition or application (hereinafter "Application") to Watermaster, for approval of such water Production free of all or any part of

Watermaster Assessments thereon, and for waiver of one or more of the provisions of Sections 25, 26, and 57 of said Judgment, where appropriate, upon terms and conditions to be established by Watermaster after a noticed hearing on such Application.

A waiver of Assessment shall not be granted for the purpose of removal of contamination or improvement of the quality of Basin water which has, or could have, resulted from the activity of the Applicant for such waiver.

In the event cleanup or Treatment Facilities are installed in the Basin by or for the benefit of a Producer, and the Basin water receiving treatment from said Treatment Facilities is subsequently delivered by or used for beneficial purposes of such Producer, the Production of such water shall not be entitled to waiver or modification of Watermaster Assessments thereon.

Notwithstanding the above, if Basin water is treated and immediately percolated or reintroduced to the Basin by way of spreading, injection, or otherwise, for purposes of this Section 18 (e), its Production may, upon Watermaster's approval of an Application to waive or modify its Assessments on the same, be entitled thereto. In any event, such water shall only be percolated or reintroduced to the Basin with the consent of Watermaster and said water shall be of a quality acceptable to Watermaster.

Although all Production from the Basin must be reported to Watermaster on a timely basis in accordance with these Rules and Regulations, Production which is granted a waiver of Assessment hereunder may, by reason of certain circumstances as specifically determined by Watermaster, be deemed an unused right and entitled to carry-over, in accordance with Section 49 of the Judgment.

(f) Application for Waiver of Assessment. An Application for Waiver of Assessment, as above set forth, shall contain all relevant information

relied upon by Applicant which he believes justifies the granting of said Application. All such Applications shall explain the special needs and circumstances for such Production and specify the approximate amounts to be Produced, the time frame of such Production, the specific location(s) of the points(s) of extraction(s), and the place of intended disposal of such water, as well as any supplemental or additional information requested by Watermaster. All such extractions shall be metered and reported quarterly to Watermaster, along with all other Basin Production, in accordance with these Rules and Regulations.

Should an Application contain incomplete information or should Watermaster desire additional, other, or further information in relation thereto, the same shall also be furnished and verified by Applicant.

(g) Hearing and Effective Date. Within thirty (30) days of the filing of any such Watermaster accepted Application, Watermaster shall give at least thirty (30) days notice to the Designees of all Parties that it will hold a hearing on said Application. Watermaster may, after the conclusion of said hearing, under then existing conditions, waive all or any part of its Assessments on such Production, such waiver shall not be effective prior to the date of the filing of said accepted Application, and may also waive the provisions of Sections 25, 26, and 57 of the Judgment herein.

The effective date for the granting of an Application to waive or modify Watermaster Assessments shall be no later than ten (10) days after approval thereof by Watermaster and it shall continue for the period of time specified therein, unless sooner terminated or extended by Watermaster. Nothing herein is intended to allow an increase in any Producer's annual entitlement under the Judgment.

19. Levy, Notice and Adjustment of Assessments. At its regular May meeting Watermaster shall also fix the rate(s) of or levy applicable Administration Assessments, Replacement Water Assessments, Make-up Obligation Assessments, and In-Lieu Water Cost Assessments, if any. Watermaster shall give written notice of all applicable Assessments to each Party on or before August 15 of each year.

(a) Payment. All Watermaster Assessments shall be due and payable on or before September 20, following such Assessment levy or Assessment rate fixing, subject to the rights reserved in Section 37 of the Judgment, and such Assessment shall be paid or become delinquent after September 20.

(b) Delinquency. Any Assessment payment which becomes delinquent shall bear interest at the annual prime interest rate in effect on the first business day of August of each year, plus one percent (1 %). Said prime interest rates shall be that fixed by the Bank of America NT&SA for its preferred borrowing on said date. Said prime interest rate plus one percent (1%) shall be applicable to any said delinquent Assessment payment from the due date thereof until paid, provided, however, in no event shall any said delinquent Assessment bear interest at a rate of less than ten percent (10%) per annum. Such delinquent Assessment and said interest thereon may be collected in a Show Cause proceeding in the subject action or in any other legal proceeding instituted by Watermaster, and in such proceeding the Court may allow Watermaster its reasonable costs of collection, including attorney's fees.

(c) Adjustments. By reason of Watermaster's inability to control the direct costs and other charges incurred for Supplemental Water obtained from Responsible Agencies, it may be necessary from time to time for Watermaster to adjust the foregoing Assessments. Such Assessments may only be adjusted after

giving at least 15 days Notice to all Parties of the meeting at which such adjustments will be considered by Watermaster.

20. Responsibility for Watermaster Assessments. Parties Producing water from the Relevant Watershed shall be responsible for Watermaster Assessments levied upon all Production.

21. Over and/or Under Reporting.

(a) Over Reporting. Watermaster shall make refunds, in whole or in part, of Assessments theretofore paid, to any Producer who has erroneously overstated his Production in any sworn statement for a quarterly period required hereunder and who has overpaid any Assessment for that quarter, but only upon compliance by the Producer with the procedure hereinafter set forth and within the time hereinafter provided.

Any such Producer, within one (1) year of the last day for filing of the said sworn statement for the quarterly period in question, may file a verified application with Watermaster requesting a refund of that portion of any Assessment claimed to have been paid by reason of that Producer's erroneous overstatement of Production. If incomplete information is contained in said application, or if Watermaster desires other, further, or additional information than that set forth in said application, the same shall also be furnished by a verified statement mailed to Watermaster on behalf of Applicant within thirty (30) days of the mailing of the written notice or request therefor from Watermaster to the Producer's Designee, at his address as shown by Watermaster records, or the application shall be deemed abandoned. Such request by Watermaster shall not cause any application otherwise timely filed to be considered as not filed within said one (1) year period. The Watermaster may pay any refund claimed without a hearing thereon, but no application shall be

denied, in whole or in part, without a hearing being accorded to the Applicant, in which said hearing the Applicant shall have the burden of proof. Any determination by Watermaster on any matter in connection with said application shall be final and conclusive upon the said Producer.

Any refund authorized to be paid under the provisions of this Section may be paid only out of moneys realized from the appropriate Watermaster Assessment levied or thereafter raised. Under election of the Producer, any refund determined by Watermaster to be owing may be credited to the Producer against any subsequent Assessments which might become due and owing from him to Watermaster. No refunds shall be made except as authorized by this section and this section may not apply to over reporting unless there has been compliance with the provisions of Section 12 hereof.

(b) Under Reporting. If Watermaster shall have probable cause to believe that the Production of water from any water Producing facility is in excess of that disclosed by the sworn statements covering such water Producing facility, Watermaster may cause an investigation and report to be made concerning the same. Watermaster may fix the amount of water Production from such facility at an amount not to exceed the maximum Production capacity thereof, provided, however, where a Watermaster tested water measuring device is permanently attached to such facility; the record of Production as so disclosed by such measuring device shall be presumed to be accurate and the burden of proof shall be upon Watermaster to establish the contrary.

A determination by Watermaster that a Producer has under reported Production shall require Watermaster to give written notice thereof to such Producer by mailing such notice to his Designee, at the address shown by Watermaster records. A determination of under reporting made by Watermaster

shall be conclusive on any Producer who has Produced water from the facility in question and the Watermaster Assessments based thereon, together with interest as set forth in Section 19 (b) hereof, shall be payable forthwith, unless such Producer shall file with Watermaster within ten (10) days after the mailing of such notice, a written protest setting forth the ground or grounds for protesting the amount of Production so fixed or the Assessments and interest thereon.

Upon the filing of such protest, Watermaster shall hold a hearing at which time the total amount of water Production and the Assessments and interest thereon shall be determined, which action shall be conclusive if based upon substantial evidence. A notice of such hearing shall be mailed to protestant at least ten (10) days before the date fixed for the hearing. Notice of the determination by the Watermaster at the close of such hearing shall be mailed to the protestant. The Producer shall have twenty (20) days from the date of mailing of such notice to pay the Assessments fixed by Watermaster and interest thereon, as fixed herein, before the same becomes delinquent.

(c) Delinquent Assessments; Interest; Costs; and Attorney's Fees. Watermaster may bring suit in the Court having jurisdiction against any Producer of water from the Basin or Relevant Watershed for the collection of any delinquent Assessment and interest thereon. The Court having jurisdiction of the suit may, in addition to any delinquent Assessment, award interest and reasonable costs, including attorney's fees.

22. Information Concerning Offers to Purchase, Sell or Lease Water Rights. Watermaster shall maintain a record of any offer to purchase, sell or lease water rights reported to Watermaster, for the purpose of encouraging the orderly transfer of such rights by acting as a clearing house for such information. Any person desiring to purchase, sell, or lease such rights may examine such Watermaster records.

23. Watermaster Control of Spreading and Ground Water Storage. Except for the exercise of non-consumptive uses, no Party shall spread water within the Basin or Relevant Watershed for subsequent recovery or Watermaster credit without prior Watermaster written permission to do so because Watermaster has sole custody and control of all Ground Water storage rights in the Basin.

(a) Replacement Water and Cyclic Storage Deliveries. Deliveries of water for replenishment or cyclic storage shall be made either pursuant to Watermaster's duly authorized order for Replacement Water or in accordance with terms and conditions of a valid Cyclic Storage Agreement with Watermaster. All such water deliveries shall be subject to the conditions and priorities set forth in Section 26 herein.

(b) Supplemental Water Quality. In an effort to prevent degradation of Basin groundwater quality, and in accordance with Section 40 of the Judgment, Watermaster may establish criteria for the quality of Supplemental Water delivered for Basin replenishment or Cyclic Storage. Such criteria shall consider applicable Basin Plan objectives as set forth by the California Regional Water Quality Control Board - Los Angeles Region, but shall also balance the need to maintain adequate water supplies with the need to preserve Basin water quality.

Watermaster may review and update its Criteria for Supplemental Water Quality as needed to address changes in regulations or hydrologic conditions. Watermaster shall provide the Responsible Agencies with at least 30 days notice of its intent to adopt or modify such criteria, along with the proposed draft or changes, and shall consider comments from those agencies prior to adoption. Watermaster shall also provide the Responsible Agencies with the final, adopted Criteria for Supplemental Water Quality.

24. Watermaster Annual Report. Watermaster shall annually file with the Court and mail to the Parties a report of all Watermaster activities during the preceding Fiscal Year, including an audited statement of all accounts and financial activities of Watermaster, summaries of Diversions and Pumping, and all other pertinent information. To the extent practical, said report shall be mailed to all Parties and filed with the Court on or before November 1 of each Year.

25. Watermaster Stipulation Re Intervention After Judgment. Attached hereto and marked "Exhibit E" is a form of Stipulation for Intervention After Judgment which Watermaster will execute, file with the Court if accompanied by the necessary filing fee, obtain a Court hearing date thereon, give Notice thereof and attempt to obtain an approving Court Order thereon.

26. Uniform Rules and Conditions of Cyclic Storage Agreements.

(a) Application for Cyclic Storage Agreements. Any person or entity, private or public, desiring to spread and store Supplemental Water within the Basin for subsequent recovery and use or for Watermaster credit shall make application to Watermaster for a Cyclic Storage Agreement pursuant to these Uniform Rules and Conditions. Watermaster shall have first call on Supplemental Water for Replacement Water, Make-up Water and for the "Alhambra Exchange" before such water is made available for Cyclic Storage Agreements.

(b) Purpose of Cyclic Storage Agreements. All Cyclic Storage Agreements shall be for the utilization of Ground Water storage capacity of the Basin and for cyclic or regulatory storage of Supplemental Water.

(c) Available Storage Capacity. In considering the available Ground Water storage capacity of the Basin for such Agreements, Watermaster shall

take into account the operation of the Basin under the Physical Solution provisions of the Judgment.

(d) Provisions of Cyclic Storage Agreements. Any such Agreement shall include provisions for:

(1) Watermaster control of all spreading (or injection) and extraction scheduling and procedures for such stored waters:

a) The time, place, and amount of said spreading shall be approved in advance by Watermaster provided, however, that when the water level of the Baldwin Park Key Well is at or above elevation two-hundred fifty (250) feet, spreading activities shall be restricted to the easterly portion of the Basin at water spreading facilities designated in advance by Watermaster, unless otherwise approved by the Court;

(2) Calculations by Watermaster of any special costs, damages or burdens resulting from such operation;

(3) Priorities for Cyclic Storage Agreements in the following order:

a) Responsible Agencies on the basis of their relative requirements for Replacement Water within their respective corporate boundaries,

b) Other Parties on the basis of priority of application to Watermaster for such Agreements, and

c) Non-parties;

(4) Determinations by Watermaster of, and accounting for, all losses in stored water, assuming that such stored water floats on top of the Ground Water supplies, and accounting for all losses of water which

otherwise would have replenished the Basin. Such losses of stored water shall be assigned by Watermaster as follows:

a) First losses by non-parties in the reverse priority of the earliest original dates of their respective Cyclic Storage Agreements, to the whole of such non-parties' stored water,

b) The next losses by Parties who are not Responsible Agencies in reverse priority of the earliest original dates of their respective Cyclic Storage Agreements, to the whole of their stored water, and

c) The last losses by Responsible Agencies to be shared on the basis of water actually in storage in the Basin at the time of the loss of such stored water;

(5) The priorities for spreading of Supplemental Water are hereby established as follows, in the order of their priority:

First: Supplemental .Water ordered by Watermaster from Responsible Agencies for direct delivery to the Basin as Replacement Water,

Second: Supplemental Water for delivery to the Basin for storage under Cyclic Storage Agreements between Watermaster and Responsible Agencies. In the event that more than one Responsible Agency wishes to deliver water to Cyclic Storage simultaneously and there is inadequate spreading capacity available, deliveries by each Responsible Agency so desiring to deliver Supplemental Water shall be scheduled so that the total quantity of water in Cyclic Storage of those Agencies can be

increased proportionately in percent of their maximum allowed Cyclic Storage,

Third: Supplemental Water for delivery to Individual Cyclic Storage accounts of Parties to the Judgment. In the event that more than one Party wishes to deliver water to such Cyclic Storage accounts simultaneously and there is inadequate spreading capacity available, deliveries for each such Party shall be scheduled so that the total quantity of water in such Parties' Individual Cyclic Storage accounts can be increased proportionately in percent of their maximum allowed Cyclic Storage, and

Fourth: Non-Parties as established by Watermaster at the time; and

(6) Payment to Watermaster for the benefit of Parties in said action of all special costs, damages or burdens incurred (without any charge, rent, assessment or expense as to Parties to said action by reason of the adjudicated proprietary character of said storage rights, nor credit for offset for benefits resulting from such storage); provided, no Party shall have any direct interest in or control over such contracts or the operation thereof by reason of the adjudicated right of such Party. Watermaster has sole custody and control of all Ground Water storage rights in the Basin pursuant to the Physical Solution in the Judgment and all said Agreements are subject to review and approval of the Court.

(e) Terms of Cyclic Storage Agreements and Extensions. The term of such Agreements shall not exceed five (5) years but may be extended for additional terms, not to exceed

five (5) years each, provided Watermaster shall report its intention to consider an extension of any such Agreement in minutes of its meeting held prior to its meeting when any such extension request shall be acted upon.

(f) Maximum Storage. Such Agreements shall fix the maximum amount of Supplemental Water to be stored in the Basin at any point in time by a particular storing entity.

(g) Watermaster to be Held Harmless. The storing entity of such Agreement shall save and hold harmless Watermaster, its officers, agents and employees from any and all costs, damages or liability resulting from said Agreement and shall provide Watermaster with the defense or costs of the defense of any action brought against Watermaster, its officers, agents or employees arising or alleged to arise by reason of such Agreement for storage of Supplemental Water in the Basin.

(h) Reports of Stored Water. The storing entity, if not a Producer, shall quarterly report to Watermaster the amount of Supplemental Water which it spreads and withdraws each quarter under such Agreement. Such reports shall be due on the last day of the month next succeeding the end of the relevant quarter, i.e. April 30, July 31, October 31, and January 31. Such reports shall be cumulative and shall indicate the credit balance of the relevant quarter. If the storing entity is a Producer storing water pursuant to an Individual Producer Cyclic Storage Account whereby Watermaster has purchased the stored water on the Producer's behalf and credited the Producer's account, then Watermaster

shall provide the Producer with a quarterly accounting of storage credit in the regular quarterly production report form. The Producer shall be responsible for verifying the credit and notifying Watermaster of any dispute or discrepancy.

(i) Court Approval of Cyclic Storage Agreements. Upon its approval of a Cyclic Storage Agreement, Watermaster shall Petition the Court for approval thereof and said Agreement shall become effective only upon such Court approval.

27. Responsible Agency from Whom Watermaster Shall Purchase Replacement Water.

(a) Responsible Agencies. There are three Responsible Agencies within or partially within the Basin. Two of such Agencies, Upper San Gabriel Valley Municipal Water District (Upper District) and Three Valleys Municipal Water District (Three Valleys District) are member agencies of The Metropolitan Water District of Southern California (Metropolitan) and supply Watermaster with Replacement Water purchased from Metropolitan. The third Responsible Agency is San Gabriel Valley Municipal Water District (San Gabriel District) which has contracted with the State of California and has constructed facilities to deliver water from the State Water Project and, thus, can directly supply Watermaster with Replacement Water.

(b) Water Used Within the Basin. For water used within the Basin, the Responsible Agency within whose boundaries is located the place of use of water Produced from the Basin will determine the Responsible Agency from whom Watermaster shall purchase Replacement Water.

(c) Water Exported from the Basin. Except for water Produced from the Basin and used within the City of Sierra Madre (for which San Gabriel

District shall be the Responsible Agency), the place of such Production of water exported from the Basin shall determine the Responsible Agency from whom Watermaster shall purchase Replacement Water.

(d) Computations of the Amount of Replacement Water to be Purchased from Responsible Agencies. In computing the amount of Replacement Water to be provided by a Responsible Agency, Watermaster shall:

(1) Determine the Replacement Water requirement of each Party to the Judgment and apportion such Replacement Water requirement as required in (b) and (c) above;

(2) Calculate the total Replacement Water requirement for each Responsible Agency as determined in (1) above;

(3) Tabulate Interagency Transfers of water rights as described in (e) (1) below;

(4) Calculate the Net Interagency Transfer adjustment as described in (e) (2) below;

(5) Determine the adjusted Replacement Water requirements, calculated for each Responsible Agency as required in (e) below; and

(6) Determine the effect of deferred Replacement Water requirements as calculated in (h) below.

(e) Net Interagency Transfer Adjustment and Replacement Water Requirement. Replacement Water requirements as heretofore calculated shall be modified by a "Net Interagency Transfer Adjustment." "Interagency Transfer" shall mean the aggregate amount of Production Right resulting from the temporary transfer of all or a portion of a Pumper's Share of Operating Safe Yield, or a Base Annual Diversion Right, or the Diversion Component or

Pumping Component of an Integrated Production Right for use within the boundaries of a Responsible Agency other than the Responsible Agency within which such water rights were developed and adjudicated.

The annual Replacement Water requirement resulting from Net Interagency Transfers for each Responsible Agency shall be calculated as follows:

(1) Net Interagency Transfers shall be calculated for each Responsible Agency as the difference between such rights transferred for use outside or partially outside that Responsible Agency and such rights transferred for use within or partially within that Responsible Agency.

(2) Tabulate the total Interagency Transfers of water rights, calculated for each of the Responsible Agencies in (1) above. The sum of said total Interagency Transfers for each of the three Responsible Agencies is that Responsible Agency's Net Interagency Transfer Adjustment. The total of such adjustments for all Responsible Agencies shall equal zero. The Responsible Agency(s) having a positive amount shall have this Net Interagency Transfer Adjustment added to the Replacement Water requirement computed for it in (d) (2) above. The Responsible Agency(s) having a negative amount shall have this Net Interagency Transfer Adjustment subtracted from the Replacement Water requirement calculated for it in (d) (2) above.

(f) Special Provisions.

(1) The Replacement Water requirement calculated for each of the Responsible Agencies in (e) (2) above cannot exceed the total quantity of Replacement Water obligation calculated for all Responsible Agencies, and/or;

(2) If the Replacement Water requirement calculated in (e) (2) above results in a negative value, that negative value shall be adjusted to zero, as described in (h) below.

(g) Special Provisions Re Alhambra Exchange. An adjustment shall be made to San Gabriel District's calculated Replacement Water requirement, if necessary, to allow Upper District to deliver an amount of Replacement Water to the City of Alhambra equal to the quantity delivered through connection USG-5 for the previous year, the year in which the Replacement Water requirement was incurred.

(h) Adjustments to Calculated Replacement Water Requirements. Adjustments to Replacement Water requirements resulting from the calculations in (f) (2) or (g) above shall be apportioned as follows:

(1) As between Upper District and Three Valleys District, the district with a negative value shall have added to it an amount sufficient to equal zero, that amount shall be subtracted from the Replacement Water requirement of the other Responsible Agency, but it shall not be reduced to less than zero. If a negative balance still exists, then it shall be subtracted from San Gabriel District.

(2) If San Gabriel District's Replacement Water requirement is less than zero, it shall be adjusted to zero by deducting equal amounts of San Gabriel District's adjustment from both Upper District and Three Valleys District.

(3) All adjustments shall be accumulated in a Deferred Replacement Water Requirement Account for each of the Responsible Agencies. In future years when deliveries of Replacement Water may be made by a Responsible Agency, up to the amount, or any portion of the

amount, in the Deferred Replacement Water Requirement Account, such deliveries will be equally subtracted from the Replacement Water requirement of the Responsible Agency(s) from which it was derived in (1) and/or (2) above for that year so long as such deliveries shall not cause total deliveries of all Responsible Agencies to exceed the amounts provided for in paragraph (f) (1) and/or paragraph (f) (2) above. At the time that deliveries are made by a Responsible Agency from its Deferred Replacement Water Requirement Account, Watermaster shall pay to that Responsible Agency its price prevailing at that time for Replacement Water.

(i) Advanced Delivery Account. Whenever the total quantity calculated in (e) (1) above, is less than that delivered to the City of Alhambra through USG-5 for the previous year, an accounting of the difference shall be maintained in an "Advanced Delivery Account" and such difference, or as much as possible thereof, shall be subtracted from the Replacement Water Requirement of Upper District in the next year when an obligation to deliver Replacement Water exists for Upper District.

28. Ground Water Quality Management. The Watermaster, Upper District, San Gabriel District, and San Gabriel Valley Water Association, through a Joint Resolution dated February-March 1989, affirmed their commitment to participate in a coordinated federal, state and local response to contamination of Ground Water supplies of the Basin for both the purpose of preventing additional contamination and the purpose of cleaning up and limiting the spread of existing contamination. The entities adopting that Joint Resolution designated and accepted Watermaster as the entity to coordinate local involvement in the efforts to preserve and restore the quality of Ground Water within the Basin. Watermaster sought and received additional powers from the

Court to regulate extractions of water from the Basin for water quality control purposes, and this Section 28 is to implement the same. These efforts shall be that any New or Increased Extraction to meet water needs from the Basin shall include planned treatment in existing areas of High Level Degradation or Contamination. An important part of exercising these additional powers and coordinating federal, state and local responses to contamination of the Basin's water supplies is the collection and compilation of essential data from Producers and the expeditious distribution of such data to the proper state and federal regulatory agencies involved in water quality matters in the Basin.

(a) Watermaster Approvals. Each Producer shall, after the effective date of this amendment to these Rules and Regulations (June 28, 1991), apply to Watermaster, on forms provided by Watermaster, for a permit to do any of the following:

- Construct any well;
- Deepen any existing well;
- Modify the perforations of the casing of any existing well;
- Notwithstanding natural fluctuations in Basin water levels, physically increase or decrease the Effective Extraction Capacity of any existing well, including that which may occur due to installation or modification of pipelines, booster pumps or other distribution system components, as of said effective date of these Rules and Regulations;
- Abandon any existing well; or
- Construct, relocate or abandon Ground Water Treatment Facilities.

Such application will be acted upon by Watermaster no later than at its first regular meeting following sixty (60) days after receipt of the complete application. If an emergency exists, Watermaster shall expedite its actions to the maximum extent practicable.

(b) Watermaster Directed Change in Water Production.

(1) Based on available data, Watermaster's Five-Year Plan, and/or Ground Water modeling, Watermaster will, for water quality protection

purposes, direct any Producer to increase, decrease or cease Production from existing wells, initiate new well Production or deliver water to or accept water from another water system or direct a Producer to obtain water from another source in-lieu of Pumping from its own wells, or take other appropriate actions in compliance with an approved Watermaster plan by giving such Producer advanced written notice thereof, specifying a time certain for compliance.

(2) The increase in cost to a Producer resulting from a Watermaster directed change in water Production shall not be borne by the Producer, but will be reimbursed to the Producer by Watermaster through In-Lieu Water Assessments levied by Watermaster, unless such funding is made available from other sources such as federal, state or local governmental entities or by those found to be responsible for the contamination in the Basin which caused Watermaster to direct the change in Production by the Producer.

(c) Producer Data, Initial Submittal. After June 28, 1991, Producers shall submit, within sixty (60) days of Watermaster's request, initial data in a form acceptable to Watermaster, to update and ensure the accuracy of the existing Basin database. The data shall include:

(1) Identification and location of all Active, Inactive or Abandoned Wells;

(2) Water quality data concerning organic compounds, nitrates and any other water quality parameters as specified by Watermaster, including all data from other sampling Producers may conduct in addition to governmental requirements;

(3) Available construction details of each well owned or operated by Producer, as well as all logs (driller's, electric, etc.);

(4) Depths or zones from which water is extracted from each

well, if available; and

(5) A current map of the main water transmission system of Producer's distribution system showing the location and sizes of transmission mains and storage reservoirs, all interconnections with other systems and their sizes and capacities, and any other data pertinent to the transmission (but not distribution to customers) of water through the Producer's system.

(d) Quarterly Reports. After the initial submittal of data per subparagraph (c) above, the following data shall be submitted by all Producers to Watermaster quarterly, on or before the last day of January, April, July and October:

(1) Chemical water quality data collected during the quarter and provided to any state, federal or local public agency;

(2) Data described under Section 28 (c) (3), (4) and (5) hereof which supplement, amend or change the data previously submitted by a Producer; and

(3) All data from other sampling which Producers may conduct in addition to governmental requirements.

(e) Operating Principles. Any New or Increased Extraction by a Producer in the Basin to meet water supply needs shall have prior Watermaster approval, shall not contribute to contaminant migration, and shall include planned treatment in existing areas of High-level Degradation and Contamination. In giving such approval, Watermaster shall consider the cumulative effects of multiple actions by all Producers in the area of concern by using available information, the Five-Year Plan, and Ground Water modeling. If Watermaster determines that a proposed new well is a Replacement Well and

is not a New or Increased Extraction, the requirement for Planned Treatment in existing areas of High-level Degradation and Contamination may be waived.

(f) Emergency Exemptions. Where a Producer's water supply or water quality problem is so urgent that the viable option for maintaining an adequate short-term supply that meets drinking water standards involves an action in conflict with the operating principles outlined in Section 28 (e) hereof, Watermaster may approve a short-term action contingent upon the Applicant Producer concurrently submitting an acceptable long-term action plan with acceptable deadlines for implementation. In general, the long-term action plan must be approved prior to or concurrently with the short-term action.

(g) Water Quality and Supply Plans. 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, projecting water supply requirements and water quality conditions for each period of five (5) calendar years beginning November 1, 1991, and each November 1 thereafter. This Plan will also include a water quality monitoring element to obtain supplemental information as needed to assist in projecting contamination levels. Watermaster will supply the Producers with projections of contaminant migration by June 1 of each year for the preparation of these Water Quality and Supply Plans.

Each purveyor of potable water produced from the Basin shall submit the following information to Watermaster by July 31 of each year:

(1) Projected quarterly water supply requirements for each of the following five calendar years and the proposed pumping rates, in gallons per minute, for each well;

(2) Identification of each Production well known to contain

contaminants and the contaminant levels;

(3) Proposed methods for meeting the water supply requirements of the system if contaminant levels are, or are projected by Watermaster to become, greater than drinking water standards; and

(4) Any intended treatment facility.

Watermaster shall analyze the information submitted by Producers and develop an overall draft Basin Water Quality and Supply Plan. A draft Plan will be submitted by Watermaster to the Los Angeles Regional Water Quality Control Board, and for public review and comment per Section 28 (i) hereof, by November 1. Appropriate modifications resulting from comments received will be reflected in the final draft, and a staff report providing an explanation of decisions will be made available.

(h) Ground Water Treatment Facilities.

(1) Producers in the Basin shall notify Watermaster in advance at the initial stages of planning of their intent to construct any Facility to remove volatile organic compounds (VOCs), nitrates, or other contaminants from water Produced from the Basin. Such notice shall include the following information:

- the intended location and a description of the Treatment Facility;
- the water production capacity;
- the rate of contaminant removal capacity;
- the expected concentration of all identified contaminants in the water to be treated;
- the expected concentration of all identified contaminants in the water after treatment;
- the intended disposition of all water to be treated;
- the expected initiation date and period of time over which the Treatment Facility will operate; and
- the expected capital and operating costs of the Treatment Facility.

(2) In addition, the Producer shall describe all necessary

permits and/or all permits for which it has applied or has received from all regulatory agencies with regard to such Treatment Facility and shall supply to Watermaster copies of all environmental documents required under the California Environmental Quality Act and/or the National Environmental Protection Act. No construction of such Treatment Facilities shall be initiated without the prior written approval of Watermaster. Watermaster shall promptly examine each submittal for compatibility with available information, the Five- Year Plan and the operating principles, and notify the Applicant of its findings and decision regarding such proposed Treatment Facility no later than at its first regular meeting following sixty (60) days after receipt of a complete submittal by the Producer. Watermaster will also report its determination to the Los Angeles Regional Water Quality Control Board.

(3) All operators of Treatment Facilities shall report quarterly to Watermaster at least the following information:

- name or other designation of the Treatment Facility;
- quantity of water treated during quarter;
- quantity of each contaminant removed;
- quality of water before treatment, at beginning and end of each quarter;
- quality of water after treatment, at beginning and end of each quarter; and
- operation and maintenance costs for each quarter.

(i) Decision Making Process. Hearings and Appeals.

(1) All Watermaster determinations relating to the control of Pumping for water quality purposes shall be based upon a staff recommendation and information and recommendations received from or furnished by affected Producers. Staffs recommendation shall result from staff's analysis of information presented by interested Parties, all

available water quality data, Watermaster's Five-Year Plan, Ground Water modeling and other water quality trend analysis reports, and will be based on the operating principles set forth in these rules. Staff shall provide supporting data to document each recommendation that it makes to Watermaster. After consideration of the staff recommendation and public comment provided at the Watermaster meeting, Watermaster shall make a final decision.

(2) Public hearings on Watermaster's draft annual Five-Year Water Quality and Supply Plan will be held following a thirty (30) day public review and comment period. A notice of the availability of such draft will be sent to all Parties to the Judgment as well as to all other interested Parties following the regular Watermaster meeting in November of each year, along with a notice of the date, time and place of the public hearing, to be scheduled not less than thirty (30) days after the mailing date of the notice of availability of the draft Plan. A notice of public hearing will also be published in the San Gabriel Valley's key local newspaper(s) at the beginning of the public review period. Consideration of comments received is described in Section 28 (g) hereof.

(3) Appeal of a Watermaster decision may be made to the Watermaster who shall notice and consider the same at a public hearing. Actions by the Watermaster are subject to review by the Court. Any Party may, by a regularly noticed motion, petition the Court for review of Watermaster's action or decision. Notice of such motion shall be served and filed within ninety (90) days after such Watermaster action or decision.

29. Watermaster-directed Groundwater Management Programs. Upon written request by any Party, or on recommendation of Watermaster staff, Watermaster may initiate an investigation of existing or proposed pumping activities, groundwater levels, recharge potential and other factors that influence groundwater supply in any specific area of the Basin. Based on the findings of the investigation, and in accordance with Section 40(a) of the Judgment, Watermaster may determine that a groundwater management program is needed to assure equitable water supply availability to all affected Parties in the investigation area. Such a program may require that Producers reduce pumping from one or more wells, take water from another source in lieu of pumping groundwater, or a combination of those and/or other measures; however, no program adopted by Watermaster pursuant to this section shall effect a modification or amendment of the quantities specified in the declared rights of any Party under the Judgment.

If Watermaster determines such a management program is needed within a specific area of the Basin, Watermaster will develop the program with review and comment by affected Parties, and will first attempt to facilitate its implementation through voluntary agreements among the various affected Parties. Watermaster may also participate in such agreements as appropriate, subject to court approval.

If any affected Party refuses voluntary participation in the groundwater management program, or if the affected Parties cannot reach agreement within a reasonable time not to exceed 12 months from the date that Watermaster receives the draft program at a regular meeting, Watermaster will consider adoption of the program at a duly noticed public hearing and, if the program is adopted, will seek court approval of the program as part of the Watermaster Operating Criteria set forth in the Judgment. Watermaster will implement the program upon court approval and may use funds collected through the In-lieu Assessment to reimburse a Producer for costs incurred

beyond normal operating costs to comply with the Watermaster-directed groundwater management program.

APPENDIX "A"

DEFINITIONS

(a) Base Annual Diversion Right -- The average annual quantity of water which a Diverter has the right to Divert for Direct Use.

(b) Direct Use -- Beneficial use of water other than for spreading or Ground Water recharge.

(c) Divert or Diverting -- To take waters of any surface stream within the Relevant Watershed.

(d) Diverter -- Any Party who Diverts.

(e) Elevation -- Feet above mean sea level.

(f) Fiscal Year -- The period July 1 through June 30, following.

(g) Ground Water -- Water beneath the surface of the ground and within the zone of saturation.

(h) Ground Water Basin -- An interconnected permeable geologic formation capable of storing a substantial Ground Water supply.

(i) Integrated Producer -- Any Party that is both a Pumper and a Diverter, and has elected to have its rights adjudicated under the optional formula provided in Section 18 of the Amended Judgment.

(j) In-Lieu Water Cost -- The differential between a particular Producer's cost of Watermaster directed Produced, treated, blended, substituted or Supplemental Water delivered or substituted to, for, or taken by such Producer in-lieu of his cost of otherwise normally producing a like amount of Ground Water.

(k) Judgment -- Judgment entered in Los Angeles Superior Court Civil Action No. 924128, entitled "Upper San Gabriel Valley Municipal Water District v. City of Alhambra, et al," as amended.

(l) Key Well -- Baldwin Park Key Well, being elsewhere designated as

State Well No. IS/lOW-7R2, or Los Angeles County, Department of Public Works, Well No. 3030-F. Said well has a ground surface elevation of 386.7.

(m) Long Beach Case -- Los Angeles Superior Court Case No. 722647, entitled "The Board of Water Commissioners of the City of Long Beach, et al, v. San Gabriel Valley Water Company, et al."

(n) Main San Gabriel Basin or Basin -- The Ground Water Basin underlying the area shown as such on Exhibit "A" of the Judgment.

(o) Make-up Obligation -- The total cost of meeting the obligation of the Basin to the area at or below Whittier Narrows, pursuant to the Judgment in the Long Beach Case.

(p) Minimal Producer -- Any Producer whose Production in any Fiscal Year does not exceed five (5) acre-feet.

(q) Natural Safe Yield -- The quantity of natural water supply which can be extracted annually from the Basin under conditions of the long-term average annual supply, net of the requirement to meet downstream rights as determined in the Long Beach Case (exclusive of Pumped export), and under cultural conditions as of a particular year.

(r) Operating Safe Yield -- The quantity of water which Watermaster determines may be Pumped from the Basin in a particular Fiscal Year, free of the Replacement Water Assessment under the Physical Solution of the Judgment.

(s) Overdraft -- A condition wherein the total annual Production from the Basin exceeds the Natural Safe Yield thereof.

(t) Overlying Rights -- The right to Produce water from the Basin for use on Overlying Lands, which rights are exercisable only on specifically defined Overlying Lands and which cannot be separately conveyed or transferred apart therefrom.

(u) Physical Solution -- The Court-decreed method of managing the waters

of the Basin so as to achieve the maximum utilization of the Basin and its water supply, consistent with the rights declared in the Judgment.

(v) Prescriptive Pumping Right -- The highest continuous extraction of water by a Pumper from the Basin for beneficial use in any five (5) consecutive years after commencement of Overdraft and prior to filing of the action, as to which there has been no cessation of use by that Pumper during any subsequent period of five (5) consecutive years prior to the filing of said action.

(w) Produce or Producing -- To Pump or Divert water from the Basin.

(x) Producer -- A Party who Produces water from the Basin.

(y) Production -- The annual quantity of water Produced from the Basin, stated in acre-feet.

(z) Pump or Pumping -- To extract ground water from the Basin by Pumping or by any other method.

(aa) Pumper -- A Party who Pumps water.

(bb) Pumper's Share -- A Pumper's right to a percentage of the entire Natural Safe Yield, Operating Safe Yield and appurtenant Ground Water storage of the Basin.

(cc) Reclaimed Water -- Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur.

(dd) Relevant Watershed -- That portion of the San Gabriel River Watershed tributary to Whittier Narrows which is shown as such on Exhibit "A" to the Judgment and the exterior boundaries of which are described in Exhibit "B" of the Judgment.

(ee) Replacement Water -- Water purchased by Watermaster to replace: (1) Production in excess of a Pumper's Share of Operating Safe Yield; (2) the consumptive use portion resulting from the exercise of an Overlying Right; and (3) Production in excess of a Diverter's right to Divert for Direct Use.

(ff) Responsible Agency -- The municipal water district which is the normal

and appropriate source from whom Watermaster shall purchase Supplemental Water for replacement purposes under the Physical Solution of the Judgment, being one of the following:

(1) Upper District -- Upper San Gabriel Valley Municipal Water District, a member public agency of The Metropolitan Water District of Southern California (MWD).

(2) San Gabriel District -- San Gabriel Valley Municipal Water District, which has a direct contract with the State of California for State Project water.

(3) Three Valleys District -- Three Valleys Municipal Water District, a member public agency of MWD.

(gg) Stored Water -- Supplemental Water stored in the Basin pursuant to a Cyclic Storage Agreement with Watermaster as authorized by Section 34(n) of the Judgment herein.

(hh) Supplemental Water -- Non-tributary water imported through a Responsible Agency and Reclaimed Water.

(ii) Transporting Parties -- Any Party who has transported water from the Relevant Watershed or Basin to an area outside thereof within the Year immediately preceding the entry of Judgment, and any Party presently or hereafter having an interest in lands or having a service area outside the Basin or Relevant Watershed contiguous to lands in which it has an interest or a service area within the Basin or Relevant Watershed. Division by a road, highway, or easement shall not interrupt contiguity. Said term shall also include the City of Sierra Madre, or any Party supplying water thereto, so long as the corporate limits of said City are included within one of the Responsible Agencies.

(jj) Water Level -- The measured Elevation of water in the Key Well, corrected for any temporary effects of mounding caused by replenishment or local

depressions caused by Pumping.

(kk) Year -- A calendar year, unless the context clearly indicates a contrary meaning.

The following are supplemental definitions relating to Section 28 of these rules and regulations.

(ll) New Extraction -- Any extraction from the Main San Gabriel Basin using a well or other Ground Water extraction facility that becomes active for the first time for water supply purposes on ,or after June 28, 1991.

(mm) Increased Extraction (Decreased) -- Any modification to an existing well or extraction facility that physically increases (or decreases) the Effective Extraction Capacity of that well or extraction facility. Such modifications may include: (1) changing the well depth, (2) modifying the perforation intervals, (3) modifying the pump and/or motor, (4) installing or modifying distribution pipelines, (5) installing or modifying booster pumps, and (6) installing or modifying other distribution system components. Normal maintenance work would be excluded.

(nn) Effective Extraction Capacity -- The actual capacity of a well or extraction facility to extract Ground Water from the Basin using the pumping equipment and system appurtenances in good working order as they existed on June 28, 1991.

(oo) Treatment Facility -- Any facility that provides treatment for contaminated Ground Water in order to meet drinking water standards.

(pp) Planned Treatment -- A specific Treatment Facility with a designated source of Ground Water supply and schedule for development.

(qq) Active Well -- Any well used or that could be used without modifications to extract Ground Water.

(rr) Inactive Well -- Any well that is not in service at the time of filing of an

application hereinunder.

(ss) Abandoned Well -- A well that has been abandoned in accordance with the provisions of state, county or local laws and regulations.

(tt) High-level Degradation and Contamination -- Ground Water containing contaminants in excess of the federal or state maximum contaminant level. Some areas of the Basin contain higher contaminant concentrations than others and Treatment Facilities shall be planned to extract Ground Water from the higher level areas of contamination in the Basin.

(uu) Replacement Well -- A new well that will replace an existing well due to structural or mechanical failure, which is located in the same general vicinity and which has the same physical characteristics (size, depth, perforation intervals) and design extraction capacity as the well it is replacing.

APPENDIX "B"

SUMMARY OF CRITICAL DATES AND ACTIONS FOR WATERMASTER

This summary of critical dates and actions for Watermaster is presented for the convenience of Watermaster members, the Parties and others in carrying out the provisions of the Court Judgment. It does not necessarily include all critical dates and actions under the Judgment.

SUMMARY OF CRITICAL DATES AND ACTIONS FOR WATERMASTER

1. Watermaster members' terms of office.

January 1 - December 31.

2. Watermaster's first meeting in January.

(a) Election of Watermaster Chairman and Vice-Chairman (from Watermaster membership) and selection of Secretary, Treasurer and assistants (who may, but need not, be Watermaster members). Watermaster Rules and Regulations, Section 6 (R/R 6)

(b) Order Engineering Report for Preliminary Determination of Operating Safe Yield. (R/R 14(a))

3. January 31 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.

4. March - Receive San Gabriel River Watermaster Report.

5. Watermaster's first meeting in April.

Watermaster shall make a Preliminary Determination of the Operating Safe Yield of the Basin for the next five Fiscal Years and mail a copy thereof to all Parties at least ten (10) days prior to a hearing thereon and which said hearing shall commence at Watermaster's first meeting in May. (R/R 14(a))

6. April 30 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.

7. Watermaster's first meeting in May.

(a) Hearing on Preliminary Determination for Watermaster to make Final Determination of Operating Safe Yield. (R/R 14(b)) Within thirty (30) days of the Final Determination of the Operating Safe Yield a copy of the Final Report

and Determination must be mailed to each Pumper and Integrated Producer, including a statement of their entitlements under such Determination.(R/R 14(c))

(b) Budget.

Adopt a proposed Administration Budget for the succeeding Fiscal Year and within fifteen (15) days mail a copy thereof together with a statement of the level of the Administration Assessment levied by Watermaster which will be collected for purposes of raising the necessary funds for said budget. (R/R 18(a))

(c) Assessments.

In addition to the Administration Assessment, Watermaster shall levy the Replacement Water Assessment, Make-up Obligation Assessment and the In-lieu Water Assessments, if any. (R/R 19)

8. June 1 - Watermaster to supply Producers with projections of contaminant migration by June 1. (R/R 28(g))

9. July - Authorize preparation of Annual Watermaster Report. Receive tentative budget from San Gabriel River Watermaster.

10. July 31 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster. Producers of potable water from the Basin must submit to Watermaster the data required by Section 28(g).

11. August 15 - On or before this date Watermaster must give written notice of all applicable Assessments to all Parties. (R/R 19)

12. September 20 - All Assessments payable to Watermaster. (R/R 19(a))

13. September 30 - Must pay Upper Area share of San Gabriel River Watermaster budget by this date.

14. October 1 - Mail Notice of Nomination Election of Producer representatives to be held at Watermaster's November meeting. (R/R 19(a))

15. October 31 - Quarterly Reports, as required by the Rules and Regulations, of Production (R/R 13), Cyclic Storage (R/R 26(h)) and data required by Section 28 (d), due to Watermaster.

16. November

(a) Watermaster Annual Report filed with the Court and copies mailed to each Party by November 1. (R/R 24)

(b) Draft Annual Five-Year Water Quality and Supply Plan under Section 28 (g) to be filed with the Los Angeles Regional Quality Control Board and circulated for public review and comment by November 1.

(c) Prior to Watermaster's meeting in November, nomination of Public Representatives to Watermaster by Upper District and San Gabriel District.

(d) Watermaster's meeting in November--election of six Producer Representatives for nomination to Watermaster. (R/R 9(b)) Petition Court for confirmation of nominees and give notice of hearing on Petition to all Parties. Within ninety (90) days of a vacancy on Watermaster, it shall be filled by nomination by Upper District or San Gabriel District if for a Public Representative and by a special election at a Watermaster meeting for a Producer Representative, after notice thereof to all Parties, and Watermaster Petition (and notice thereof to all parties) for Court confirmation of nominee. (R/R 10)

PERMANENT TRANSFER OF WATER RIGHTS - PRESCRIPTIVE PUMPING RIGHT

For a valuable consideration, receipt of which is hereby acknowledged, _____ _____ ("Seller") does hereby assign and transfer in perpetuity to _____, ("Buyer") all rights to the quantity of _____ acre-feet of the "Prescriptive Pumping Right" and the appropriate % of "Pumper's Share" adjudicated to Seller or his predecessor in the Judgment in the case of Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al, Los Angeles Superior Court No. 924128, together with all the attendant rights, powers and privileges pertaining thereto.

(Check appropriate provision)

This transfer does ☐ does not ☐ include_____acre-feet of "carry-over of unused rights" associated with said transferred rights and in existence on the date hereof.

DATED:_____

BUYER	SELLER
_____	_____
_____	_____
_____	_____
_____ (Signature)	_____ (Signature)
Name of Designee (of Buyer) to receive service of Processes and Notices:	Name of Designee (of Seller) to receive service of Processes and Notices:
_____	_____
_____	_____
_____ Address	_____ Address
Telephone No.:_____	Telephone No.: _____

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Buyer is not a party to the Judgment)

EXHIBIT A-1

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that _____executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

PERMANENT TRANSFER OF WATER RIGHTS – BASE ANNUAL DIVERSION RIGHT

For a valuable consideration, receipt of which is hereby acknowledged, _____ _____ ("Seller") does hereby assign and transfer in perpetuity to _____, ("Buyer") all rights to the quantity of _____ acre-feet of the "Base Annual Diversion Right" adjudicated to Seller or his predecessor in the Judgment in the case of Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al, Los Angeles Superior Court No. 924128, together with all the attendant rights, powers and privileges pertaining thereto.

DATED:_____

BUYER	SELLER
_____	_____
_____	_____
_____	_____
_____ (Signature)	_____ (Signature)
Name of Designee (of Buyer) to receive service of Processes and Notices:	Name of Designee (of Seller) to receive service of Processes and Notices:
_____	_____
_____	_____
_____ Address	_____ Address
Telephone No.:_____	Telephone No.: _____

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Buyer is not a party to the Judgment)

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that _____executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

PERMANENT TRANSFER OF WATER RIGHTS – INTEGRATED PRODUCTION RIGHT

For a valuable consideration, receipt of which is hereby acknowledged, _____ _____ ("Seller") does hereby assign and transfer in perpetuity to _____, ("Buyer") all rights to the quantity of _____ acre-feet of the "Diversion Component" adjudicated to Seller or his predecessor in the Judgment in the case of Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al, Los Angeles Superior Court No. 924128, together with all the attendant rights, powers and privileges pertaining thereto.

(Check appropriate provision)

This transfer does ☐ does not ☐ include_____acre-feet of "carry-over of unused rights" associated with said transferred rights and in existence on the date hereof.

DATED:_____

BUYER	SELLER
_____	_____
_____	_____
_____	_____
_____ (Signature)	_____ (Signature)
Name of Designee (of Buyer) to receive service of Processes and Notices:	Name of Designee (of Seller) to receive service of Processes and Notices:
_____	_____
_____	_____
_____ Address	_____ Address
Telephone No.:_____	Telephone No.: _____

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed by both Buyer and Seller as part of the transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Buyer is not a party to the Judgment)

EXHIBIT C-1

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that _____executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

TEMPORARY ASSIGNMENT OR LEASE OF WATER RIGHT

For a valuable consideration, receipt of which is hereby acknowledged, _____ ("Assignor") does hereby assign and transfer to _____, ("Assignee") commencing on _____ and terminating _____, on the following water right(s):

(Check following appropriate category)

☐ Production Right _____AF

☐ Prescriptive Pumping Right _____AF

☐ Base Annual Diversion Right _____AF

☐ Integrated Production Right (consisting of _____AF of "Prescriptive Pumping Component" and _____AF of "Diversion Component")

☐ Carryover Right_____AF

adjudicated to Assignor or his predecessor in the Judgment in the case of "Upper San Gabriel Valley Municipal Water District, v. City of Alhambra, et al," Los Angeles Superior Court No. 924128.

Said assignment is made upon condition that:

(1) Assignee shall exercise said right on behalf of Assignor for the period described hereinabove and the first water produced by Assignee from the Relevant Watershed of the Main San Gabriel Basin after the date hereof shall be that produced hereunder;

(2) Assignee shall put all waters utilized pursuant to said transfer to reasonable beneficial use; and

(3) Assignee shall pay all Watermaster assessments on account of the water production hereby assigned or leased.

DATED: _____

ASSIGNEE	ASSIGNOR
_____	_____
_____	_____
_____	_____
Signature	Signature
Name of Designee (of Assignee) to receive service of Processes and Notices:	Name of Designee (of Assignor) to receive service of Processes and Notices:
_____	_____
_____	_____
_____	_____
Address	Address
Tel. No.: _____	Tel. No.: _____

To be executed by both Assignee and Assignor and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Assignor and a map of the service area where the water is intended to be used by the Assignee.

(Have the appropriate individual(s) or corporate attached acknowledgments completed as part of the temporary transfer.)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION
(To be accompanied by completed "Stipulation Re Intervention After Judgment" if Assignee is not a party to the Judgment)

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that _____executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

NOSSAMAN, GUTHNER, KNOX & ELLIOTT, LLP
FREDERIC A. FUDACZ, State Bar No. 050546
ALFRED E. SMITH, State Bar No. 186257
445 South Figueroa Street, 31st Floor
Los Angeles, CA 90071-1602
Telephone: (213) 612-7800
Facsimile: (213) 612-7801
Attorneys for Main San Gabriel Basin Watermaster

EXEMPT FROM FILING FEES
GOVERNMENT CODE § 6103

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

Upper San Gabriel Valley Municipal Water District, Plaintiff, vs. City of Alhambra, et al, Defendant	Case No.: C 924128 STIPULATION RE INTERVENTION AFTER JUDGMENT OF _____

IT IS HEREBY STIPULATED by and between the Main San Gabriel Basin Watermaster for and on behalf of all parties to the instant action (pursuant to Section 57 of the amended Judgment) and _____, the proposed Intervenor(s) herein, that said proposed Intervenor(s) may intervene in the instant action and become entitled to all of the benefits and bound by all of the burdens of the Judgment herein.

The Court will consider the attached proposed Order confirming said Intervention at _____ o'clock _____ on _____ 20___, in Department 38, located at 111 North Hill Street, Los Angeles, California 90012.

EXHIBIT E-1

Watermaster shall give at least 30 days notice to the parties herein of said hearing.

DATED: WATERMASTER

By _____
Chairman

Attest:

_____
Secretary

DATED: _____ INTERVENOR(S)

_____

By _____

By _____

Name of Intervenor's Designee:

_____

Address of Designee:

_____

_____

Telephone Number of Designee:

_____

FREDERIC A. FUDACZ, State Bar No. 050546
ALFRED E. SMITH, State Bar No. 186257
NOSSAMAN, GUTHNER, KNOX & ELLIOTT, LLP
445 South Figueroa Street, 31st Floor
Los Angeles, CA 90071-1602
Telephone: (213) 612-7800
Facsimile: (213) 612-7801
Attorneys for Main San Gabriel Basin Watermaster

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF LOS ANGELES

Upper San Gabriel Valley Municipal Water District, Plaintiff, vs. City of Alhambra, et al, Defendant	Case No.: C 924128 DESIGNEE TO RECEIVE FUTURE NOTICES FOR AND ON BEHALF OF DEFENDANT(S)

Defendant(s)_____
hereby designates:_____
whose address is _____
and whose telephone number is _____ as said Defendant's Designee to receive service of all future notices, determinations, requests, demands, objections, reports and other papers and processes to be served upon said defendant(s) or delivered to said defendant(s) herein.

A copy hereof has been served upon the Watermaster herein, by mail, on _____, 20___.

EXHIBIT F-1

Executed under penalties of perjury at _____, California, this _____day of _____, 20___.

_____

_____

EXHIBIT F-2

NOTICE OF TRANSFER OF OVERLYING RIGHTS
WITH PROPERTY TO WHICH THEY ARE APPURTENANT

On _____, 20____, the undersigned (or his predecessor), adjudged Overlying Rights on the property described in Exhibit 1 attached hereto and by this inference incorporated herein, in the case of "UPPER SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT, v. CITY OF ALHAMBRA, ET AL," Los Angeles Superior Court No. 924128, transferred said property and said Overlying Rights appurtenant thereto to _____, whose address is _____, and whose telephone number is _____.

That said transferee hereby names _____ Whose address is _____ and whose telephone number is _____ as his/her Designee to receive all future notices and processes in said action.

DATED:_____

BUYER	SELLER
_____	_____
_____	_____
_____	_____
_____	_____
(Signature)	(Signature)

To be executed by both Buyer and Seller and, if separately requested by Watermaster, be accompanied by a map of the service area where the water was used by Seller and a map of the service area where the water is intended to be used by the Buyer.

(Have the appropriate individual(s) or corporate attached acknowledgments completed as part of the transfer, and include Exhibit 1)

A TRUE COPY HEREOF MUST BE FILED WITH WATERMASTER WITHIN 15 DAYS OF EXECUTION.

(To be accompanied by completed "Exhibit E" if Buyer is not a party to the Judgment)

CORPORATE ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) who executed the within Instrument as

_____,
or on behalf of the Corporation therein named, and acknowledged to me that the Corporation executed it.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

INDIVIDUAL(S) ACKNOWLEDGMENT

STATE OF CALIFORNIA)§
COUNTY OF LOS ANGELES)

On this _____ day of _____, 20___, before me, the undersigned Notary Public, personally appeared _____,

_____ known to me
_____ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) _____ subscribed to the within instrument and acknowledged to me that _____executed the same.

WITNESS my hand and official seal.

Signature _____

_____
Name (Typed or Printed)
Notary Public in and for said
County and State

(SEAL)

Mailing Address:
725 North Azusa Ave.
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER

SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

(State Well Number)

(Recordation Number)

(Owner's Designation)

APPLICATION TO DRILL WATER WELL

(To Be Completed by Watermaster)

(1) APPLICANT:
Name_____
Address_____

(2) LOCATION OF PROPOSED WELL:
*Well Address:*_____
Township, Range, and Section_____
Thomas Brothers Guide *(Please indicate year, page number and coordinates.)*_____

Assessor's Parcel No._____
(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.)

(3) NAME OF WELL DRILLING CONTRACTOR:_____

(4) PROPOSED USE:
Municipal ( ) Irrigation ( )
Domestic ( ) Industrial ( )
Water Quality Cleanup ( )
Other ( )_____

(5) DRILLING EQUIPMENT:
Rotary ( )
Cable ( )
Other ( )_____

(6) PROPOSED WELL CHARACTERISTICS:

A. Casing Installed:
STEEL ( ) PLASTIC ( )
OTHER ( )

Gravel Packed:
Yes ( ) No ( ) Size_____

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	Packed To ft.

Size of shoe or well ring:_____
Describe joint_____

B. Perforations or Screen:
Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

C. Construction:
Will a surface sanitary seal be provided? Yes ( ) No ( )
To what depth? _____ft.
Is any strata anticipated to be sealed against pollution?
Yes ( ) No ( )
If yes, note anticipated depth of strata
from _____ft. to _____ft.
from _____ft. to _____ft.
Proposed method sealing_____

(7) WELL TESTS:
Will a pump test be made? Yes ( ) No ( ) If yes by whom?

Anticipated Well Yield_____
Will a chemical analysis be made? Yes ( ) No ( )
Will an electric log be made of well? Yes ( ) No ( ) (If yes, file Copy with Watermaster upon well completion)

(8) PROPOSED PUMPING EQUIPMENT:
(A) Pump
Electric ( ) Natural Gas ( )
Propane ( ) Diesel ( )
Other ( )_____
(B) Make_____
(C) Pump Size (hp)_____(gpm)_____
(D) Design Efficiency_____

(9) PROXIMITY TO POTENTIAL SOURCES OF CONTAMINATION:
(A) Distance to nearest sewer line or septic tank_____(ft.)
(B) Wells (Please provide distance, direction and name of nearest upgradient well(s) with volatile organic chemical or nitrate levels above a maximum contaminant level, if known.)

(10) Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Driller Reports and any other permits for construction of a new well upon completion of proposed well.

(11) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to drill a new well. Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(e) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, repair, modification, destruction and inactivation. The applicant will furnish the Watermaster a complete well log upon completion of well construction.

Submitted for Applicant by:_____

Signature:_____

Title:_____

Date:_____

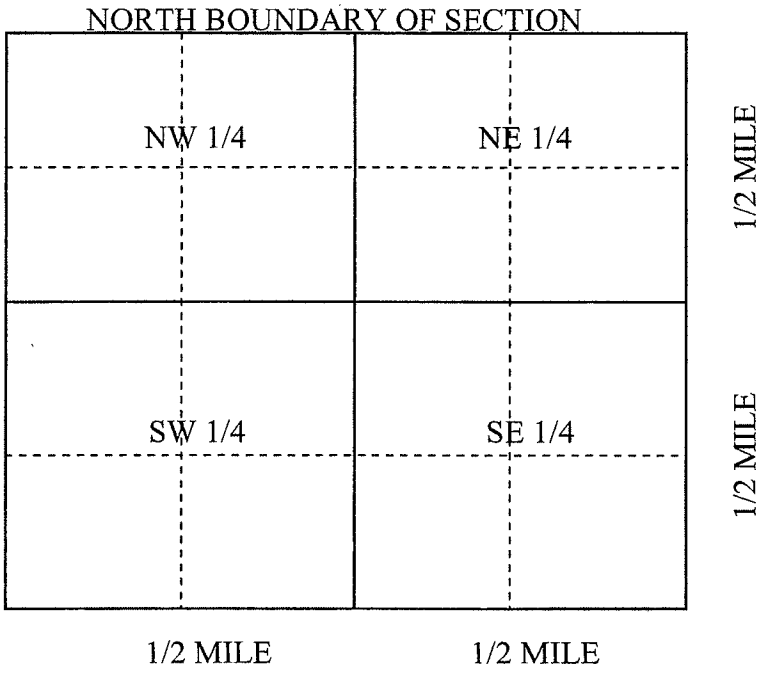
Date Received by Watermaster:_____
Watermaster Action: Approved ( ) Denied ( )
Date of Action:_____
Permit Number:_____
By:_____
(Name)

(Title)

EXHIBIT H-1

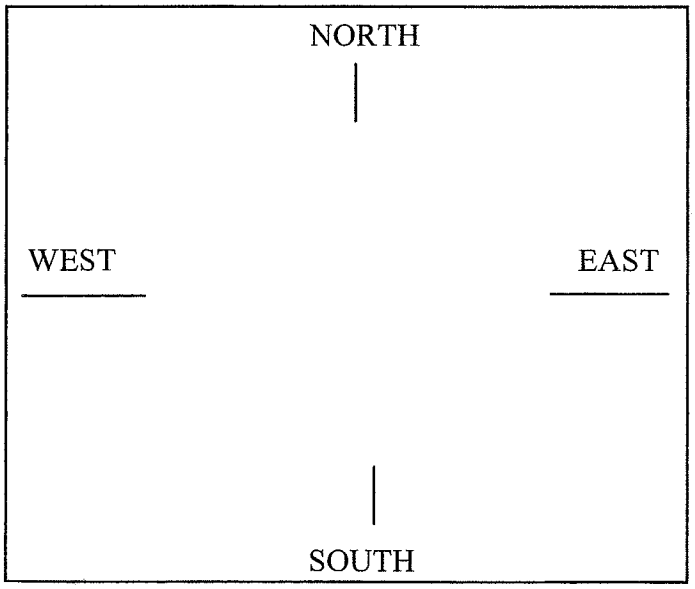
Form No. RR 28-03 – 08/00

WELL LOCATION SKETCH



Township _____ **N/S**
Range_____**E/W**
Section No._____

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

EXHIBIT H-2

Mailing Address:
725 North Azusa Ave.
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER

SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

APPLICATION TO MODIFY EXISTING WATER WELL

(State Well Number)
(Recordation Number)
(Owner's Designation)

(1) APPLICANT:
Name_____
Address_____
_____

(2) LOCATION OF PROPOSED WELL:
*Well Address:*_____
*Township, Range, and Section*_____
*Thomas Brothers Guide (Please indicate year, page number and coordinates.)*_____
_____
*Assessor's Parcel No.*_____
(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.)

(3) NAME OF WELL DRILLING CONTRACTOR:_____
_____

(4) TYPE OF WORK:
Deepening ( ) Modify Perforations ( ) Increase Yield ( )
Reconditioning ( ) Other ( )_____

(5) PROPOSED USE:
Municipal ( ) Irrigation ( )
Domestic ( ) Industrial ( )
Water Quality Cleanup ( )
Other ( )_____

(6) DRILLING EQUIPMENT:
Rotary ( )
Cable ( )
Other ( )

(7A) CASING INSTALLED (existing):
STEEL ( ) PLASTIC ( )
OTHER ( )

Gravel Packed:
Yes ( ) No ( ) Size_____

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	Packed To ft.

Size of shoe or well ring:_____
Describe joint_____

(7B) CASING INSTALLED (proposed):
STEEL ( ) PLASTIC ( )
OTHER ( )

Gravel Packed:
Yes ( ) No ( ) Size_____

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	Packed To ft.

Size of shoe or well ring:_____
Describe joint_____

(8A) PERFORATIONS OR SCREEN (existing):
Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

(8B) PERFORATIONS OR SCREEN (proposed):
Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

(9A) EXISTING CONSTRUCTION:
Was a surface sanitary seal provided? Yes ( ) No ( )
To what depth? _____ft.
Were any strata sealed against pollution? Yes ( ) No ( )
If yes, note depth of strata
from _____ft. to _____ft.
from _____ft. to _____ft.
Method of sealing _____

(9B) PROPOSED CONSTRUCTION:
Will a surface sanitary seal be provided? Yes ( ) No ( )
To what depth? _____ft.
Is any strata anticipated to be sealed against pollution? Yes ( ) No ( )
If yes, note depth of strata
from _____ft. to _____ft.
from _____ft. to _____ft.
Method of sealing _____

(10) WELL TESTS:
Was a pump test made? Yes ( ) No ( ) (If yes, attach most recent copy)
_____gal. min. with _____ft. drawdown after _____hrs.
Temperature of water_____
Was a chemical analysis made? Yes ( ) No ( )
Was electric log made of well? Yes ( ) No ( ) (If yes, attach most recent copy)

(11) WELL LOG:
Total depth_____ft. Depth of completed well_____ft.
Formation: Describe by color, character, size of material and structure_____ft. to_____ft.
(Please attach copy of existing well log. If well log is not available, describe well lithology in space provided or on attached page.)
_____
_____

(12) HISTORIC WELL MODIFICATIONS:
(On an attached page, please provide a chronology of all historic well modifications which may have affected well yield or water quality.)

(13A) EXISTING WELL PUMP DATA:
A. Pump Type:
Electric ( ) Natural Gas ( ) Other ( )
Propane ( ) Diesel ( )
B. Pump Performance:
Horsepower_____(GPM)_____
Design Efficiency_____

(13B) PROPOSED WELL PUMP DATA:
A. Pump Type:
Electric ( ) Natural Gas ( ) Other ( )
Propane ( ) Diesel ( )
B. Pump Performance:
Horsepower_____(GPM)_____
Design Efficiency_____

(14) Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Driller Reports and any other permits for modification of an existing well upon completion of modification of well.

(15) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to modify this well. Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(e) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, operation, repair, modification, destruction and inactivation. The Applicant will furnish the Watermaster a complete well log upon completion of well modification.

Submitted for Applicant by:_____

Signature:_____

Title:_____

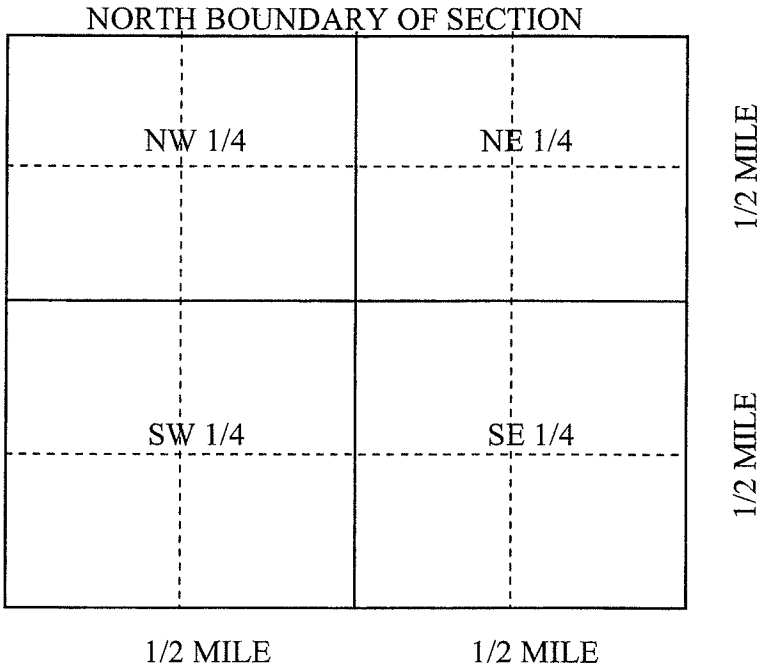
Date:_____

Date Received by Watermaster:_____
Watermaster Action:
Approved ( ) Denied ( )
Date of Action:_____
Permit Number:_____
By:_____
(Name)
_____
(Title)

Form No. RR 28-03 – 08/00

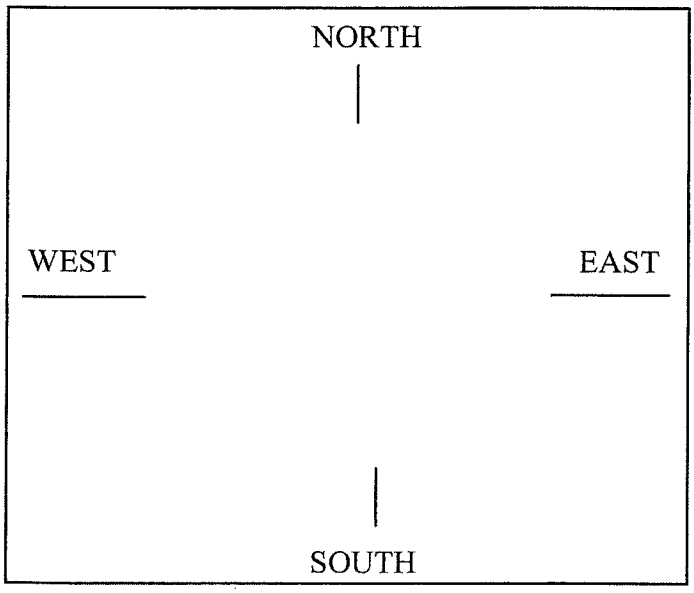
EXHIBIT I-1

WELL LOCATION SKETCH



Township _____ **N/S**
Range_____**E/W**
Section No._____

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

EXHIBIT I-2

Mailing Address:
725 North Azusa Ave.
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER

SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

_____ (State Well Number)

_____ (Recordation Number)

_____ (Owner's Designation)

APPLICATION TO DESTROY WELL

(1) APPLICANT:
Name_____
Address_____
_____

(2) LOCATION OF WELL:
*Well Address:*_____
*Township, Range, and Section*_____
*Thomas Brothers Guide (Please indicate year, page number and coordinates.)*_____
_____
*Assessor's Parcel No.*_____
(Please attach copy of a map or sketch showing well location relative to streets or other major landmarks.)

(3) NAME OF WELL DRILLING CONTRACTOR:_____
_____

(4) PURPOSE FOR DESTROYING WELL
Water Quality ( ) Physical ( )
Other ( )_____

(5) CURRENT USE:
Municipal ( ) Irrigation ( )
Domestic ( ) Industrial ( )
Water Quality Cleanup ( )
Other ( )_____

(6) EXISTING CASING INSTALLED:
STEEL ( ) PLASTIC ( )
OTHER ( )

Gravel Packed:
Yes ( ) No ( ) Size_____

From ft.	To ft.	Diam.	Gage or Wall	Diameter of Bore	Packed From ft.	Packed To ft.

Size of shoe or well ring:
_____
Describe joint_____

(7) EXISTING PERFORATIONS OR SCREEN:
Type of perforation or size of screen

From ft.	To ft.	Perf. per row	Rows per ft.	Slot Size

(8) CONSTRUCTION:
Was a surface sanitary seal provided? Yes ( ) No ( )
To what depth? _____ft.
Were any strata sealed against pollution? Yes ( ) No ( )
If yes, note depth of strata
from _____ft. to _____ft.
from _____ft. to _____ft.
Method of sealing_____

(9) WELL LOG: (Please provide a copy of well log.)
Total depth _____ft. Depth of completed well _____ft.
Formation: *Describe by color, character, size of material and structure if well log cannot be provided.*
_____ft. to _____ft._____
_____

(10) METHOD OF DESTROYING: (Please provide an explanation of how the well is to be destroyed including drawings showing the proposed method of destroying. Please provide copy of County of Los Angeles permits and State Department of Water Resources Water Well Drillers reports and any other permits for destruction of well following destruction of the well.)

_____
_____
_____
_____
_____

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to well construction, operation, repair, modification, destruction and inactivation. The Applicant will notify the Watermaster upon completion of well destruction.

Submitted for Applicant by:_____
_____

Signature:_____

Title:_____

Date:_____

Date Received by Watermaster:_____

Watermaster Action:
Approved ( ) Denied ( )

Date of Action:_____

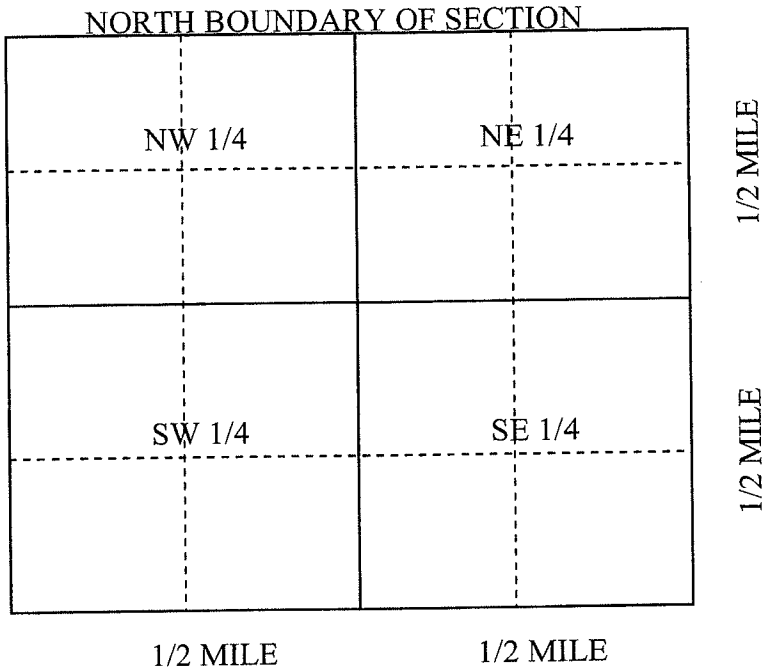
Permit Number:_____

By:_____
(Name)
_____
(Title)

EXHIBIT J-1

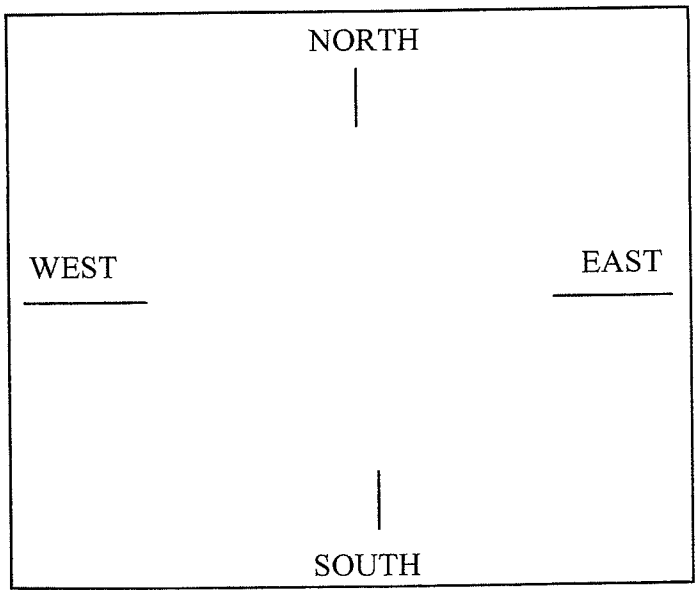
Form No. RR 28-03 – 08/00

WELL LOCATION SKETCH



Township _____ **N/S**
Range _____ **E/W**
Section No. _____

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

Mailing Address:
725 North Azusa Ave.
Azusa, CA 91702

MAIN SAN GABRIEL BASIN WATERMASTER

SUPERIOR COURT CASE NO. 924128-LOS ANGELES COUNTY

APPLICATION FOR WATER TREATMENT FACILITY

(1) APPLICANT:
Name_____
Address_____
_____

(2) LOCATION OF TREATMENT FACILITY:
Address_____
Thomas Brothers Guide (Please indicate year, page number and coordinates.)_____
_____

(Please include a map showing the location of the treatment facility relative to streets, buildings, water system facilities and other points of reference.)

(3) (A) NAME OF WATER TREATMENT FACILITY CONTRACTOR:_____
(B) NAME OF DESIGN ENGINEER AND STATE REGISTRATION NUMBER:_____

(4) PROPOSED ACTION AT TREATMENT FACILITY
Construction ( ) Modification ( ) Removal ( )
Destruction ( ) Other ( )

(5) DESCRIPTION OF FACILITY:
(A) Type of treatment:
Volatile Organic Chemical ( ) Nitrate ( ) Other ( )
(B) Please describe the treatment process to be used at the proposed treatment plant.
_____
_____
_____

(C) Please list, by Owner Designation, all wells to be treated:
_____
_____
_____

(6) ANTICIPATED TREATMENT FACILITY CAPACITY:
_____Gallons Per Minute
_____Acre-feet Per Year

(7) EXPECTED CONCENTRATION OF CONTAMINANTS:

Contaminant	Influent Concentration (Parts per Billion)	Effluent Concentration (Parts per Billion)	Contaminant Removal Rate (Percent)
Trichloroethylene (TCE)	_____	_____	_____
Tetrachloroethylene (PCE)	_____	_____	_____
1,1,1-Trichloroethane (1,1,1-TCA)	_____	_____	_____
Carbon Tetrachloride (CTC)	_____	_____	_____
1,1-Dichloroethylene (1,1-DCE)	_____	_____	_____
1,1-Dichloroethane (1,1-DCA)	_____	_____	_____
1,2-Dichloroethane (1,2-DCA)	_____	_____	_____
Others:			
_____	_____	_____	_____
_____	_____	_____	_____

(8) DISPOSITION OF ALL TREATED WATER:
(Please describe disposition of all treated water, and the corresponding annual amount of discharge.)
_____
_____

(9) INITAIL START-UP DATE:
_____

(10) EXPECTED OPERATING SCHEDULE:
(A) Daily schedule_____
(*B*) Number of days each month (*Please specify if operating schedule varies month-to-month)*
_____
_____

(11) EXPECTED COSTS
(A) Capital cost:$_____
(B) Operation and maintenance:$_____/AF.

(12) REGULATORY PERMITS: Please describe all necessary permits and/or all permits for which you have applied or have received from all regulatory agencies with regard to the proposed treatment facility. Please supply to Watermaster, copies of all environmental documents required under the California Environmental Quality Act and/or the National Environmental Protection Act.

(13) Applicant acknowledges it will comply with all portions of Section 28 of Watermaster's Rules and Regulations pertaining to quarterly data submittal, for treatment plant operation, to Watermaster. Specifically, at least the following data shall be provided on a quarterly basis:

- Name or other designation of treatment facility;
- Quantity of water treated during quarter;
- Quantity of each contaminant removed;
- Quality of water before treatment, at beginning and end of each quarter;
- Quality of water after treatment, at beginning and end of each quarter; and
- Operation and maintenance costs for each quarter.

(14) Please provide Watermaster with copies of all feasibility studies, alternative water supply sources, water quality studies or other reports which validate the Applicant's need to install a water treatment facility.

Applicant must provide supporting data to show compliance with the requirements of Section 28 with particular reference to Section 28(h) of Watermaster's Rules and Regulations.

I hereby agree to comply with all regulations of the Main San Gabriel Basin Watermaster pertaining to treatment plant construction, operation, repair, modification, destruction and inactivation.

Submitted for Applicant by:_____

Signature:_____

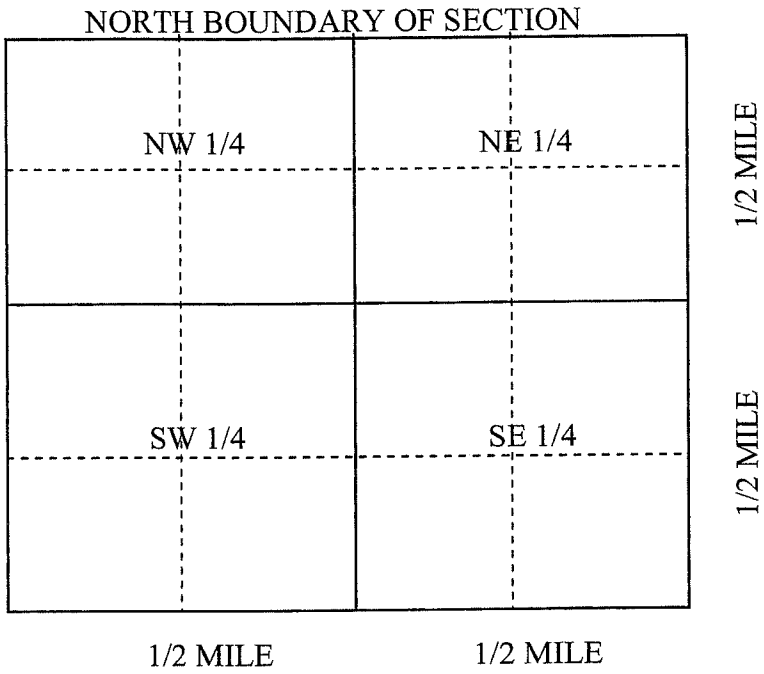
Title:_____

Date:_____

Date Received by Watermaster:_____
Watermaster Action:
Approved ( ) Denied ( )
Date of Action:_____
Permit Number:_____
By:_____
(Name)
_____
(Title)

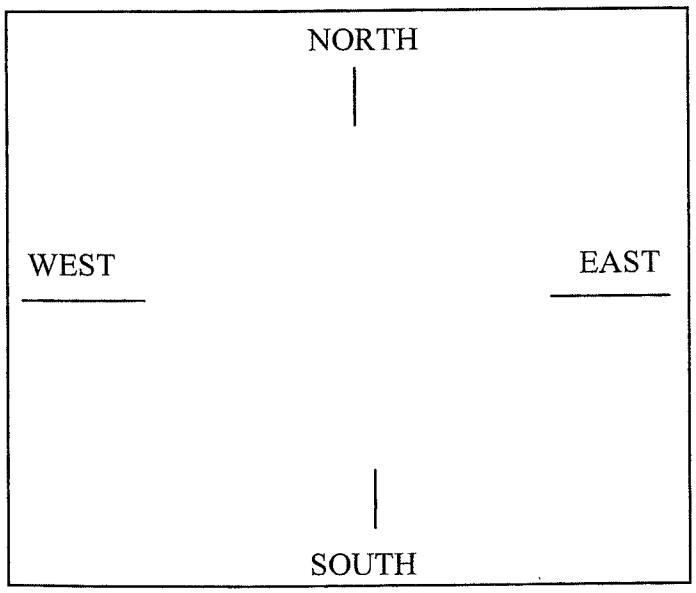
EXHIBIT K-1

WELL LOCATION SKETCH



Township _____ **N/S**
Range_____**E/W**
Section No._____

A. Location of well in sectionized areas. Sketch roads, railroads, streams, or other features as necessary.



B. Location of well in areas not sectionized. Sketch roads, railroads, streams, or other features as necessary. Indicate distances.

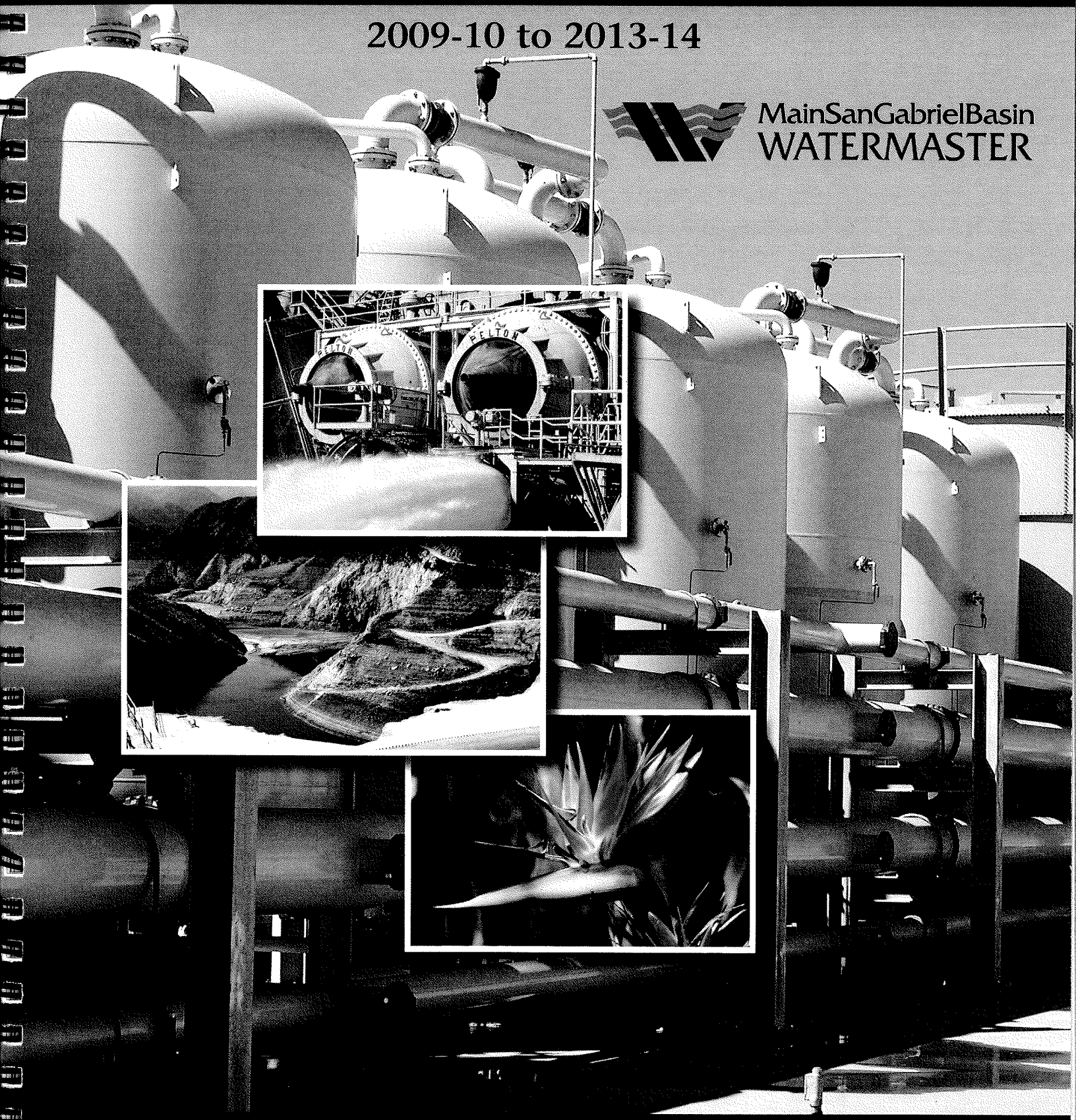
APPENDIX I

MAIN SAN GABRIEL BASIN WATERMASTER FIVE-YEAR WATER QUALITY AND SUPPLY PLAN

Five-Year Water Quality and Supply Plan

2009-10 to 2013-14

MainSanGabrielBasin
WATERMASTER



Five-Year Water Quality and Supply Plan

November 2009

MainSanGabrielBasin
WATERMASTER

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

CONTENTS

I. INTRODUCTION **2**
- Purpose of the Five-Year Plan 2
- Watermaster Background 2
- Figure 1. Area Covered by Main San Gabriel Basin 3

II. CURRENT WATER SUPPLY CONDITIONS **4**
- Water Supply Inflows During 2008-09 4
- Figure 2. Average Rainfall During the Last Ten Years 4
- Figure 3. Key Well Elevations During the Last Ten Years 5
- Figure 4. Water Stored in San Gabriel Canyon Reservoirs 6
- Basin Replenishment Activities 6
- Projected Groundwater Demands 7
- Figure 5. Projected and Historical Water Production 7

III. CURRENT WATER QUALITY CONDITIONS **8**
- Primary Contaminants in the Groundwater Basin 9
- Figure 6. Volatile Organic Compound Levels in Groundwater 10
- Figure 7. Nitrate Levels in Groundwater 10
- Wells Assessed for Vulnerability to Contamination 11

IV. FIVE-YEAR WATER QUALITY AND SUPPLY PLAN **12**
- Groundwater Monitoring Programs 12
- Groundwater Elevation Monitoring 13
- Groundwater Quality Monitoring 14
- Groundwater Flow and Contaminant Migration Studies 14
- Groundwater Cleanup Projects 15
- Basin Cleanup Projects/USEPA Operable Unit Plans 16
- Figure 11. Location Map of USEPA Operable Units 17
- Figure 12. VOC Plume Map in BPOU 18
- Figure 13. Perchlorate Plume Map in BPOU 19
- Figures 14-19. Location Maps of Individual Operable Units 20-21
- Producers' Water Supply Plans 29
- Conduct Studies, Monitoring and Investigations 29
- Identify and Reduce Potential Sources of Contamination 30
- Aquifer Performance Tests 30

V. DIRECTORY TO APPENDICES **31**
- Appendix A. Projected Groundwater Demands — 2009-10 to 2013-14
- Appendix B. Simulated Changes in Groundwater Elevations at Wells or Wellfields in Main San Gabriel Basin
- Appendix C. Highlights of Volatile Organic Compounds and Nitrate Concentrations, and Wells Vulnerable to Contamination
- Appendix D. Potential Sites for Aquifer Performance Tests
- Appendix E. Summary of Treatment Facility Activity in the Main San Gabriel Basin
- Appendix F. Maps Showing Wells Vulnerable to VOC, Nitrate and Perchlorate Contamination Within Five Years (Figures 8a, 8b, and 8c)
- Appendix G: Simulated Basin Groundwater Contours 2008-09 and 2013-14 (Figures 9 and 10)

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 how Watermaster 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. coordinate and manage the design, permitting, construction, and performance evaluation of the Baldwin Park Operable Unit (BPOU) cleanup and water supply plan.

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 agricultural operations that infiltrated nitrates into the groundwater. Cleanup efforts for industrial contamination were undertaken at the local, state, and federal levels.

WATERMASTER RECEIVES WATER QUALITY RESPONSIBILITIES

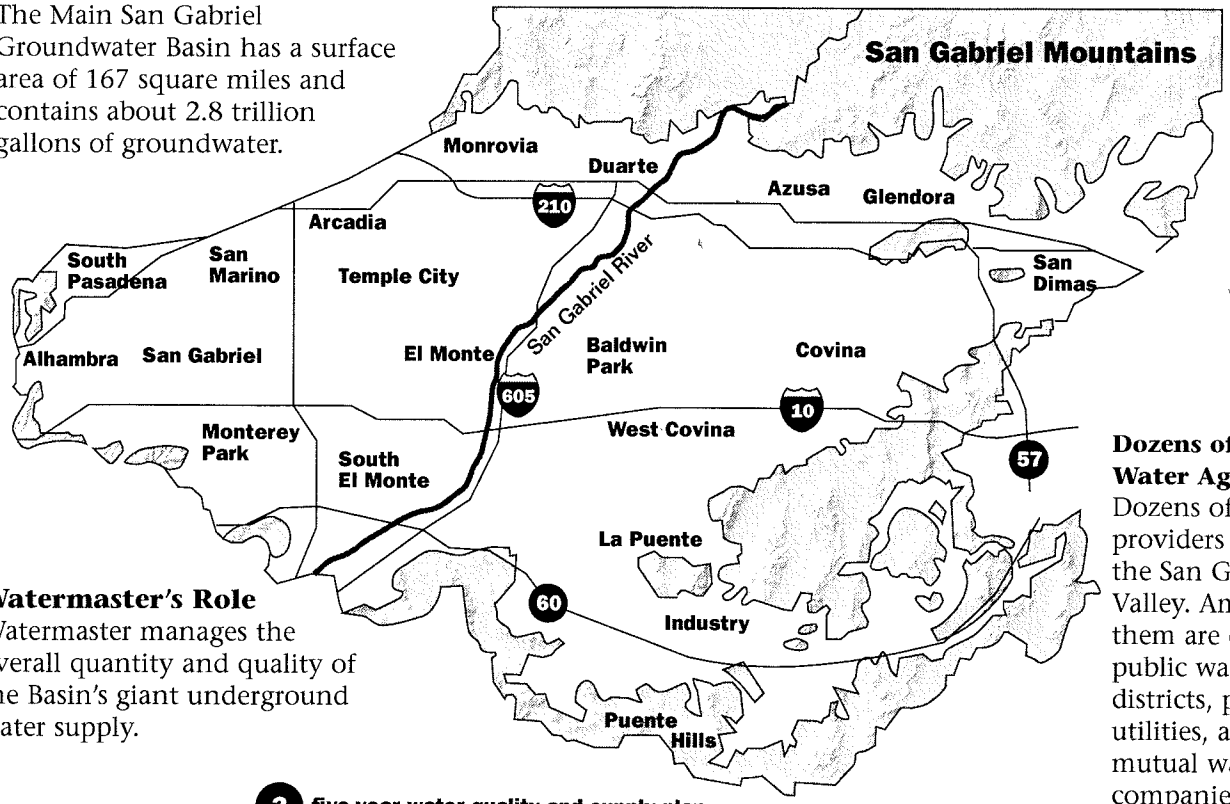
By 1989, local water agencies adopted a joint resolution regarding water quality issues that stated that Watermaster should coordinate local activities aimed at preserving and restoring the quality of groundwater in the Basin. The joint resolution also called for a cleanup plan.

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
The Main San Gabriel Basin 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
The Main San Gabriel Groundwater Basin has a surface area of 167 square miles and contains 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 averaged about 14 inches during 2008-09, or about 76 percent of the long-term average. As a result of the below average rainfall, the groundwater level decreased by about seven feet during fiscal year 2008-09.

WATER SUPPLY INFLOWS DURING 2008-09

VALLEY RECEIVES BELOW AVERAGE RAINFALL

In 2008-09, the San Gabriel Valley received about 14 inches of rain, which is about 76 percent of the long-term average of 18.52 inches.

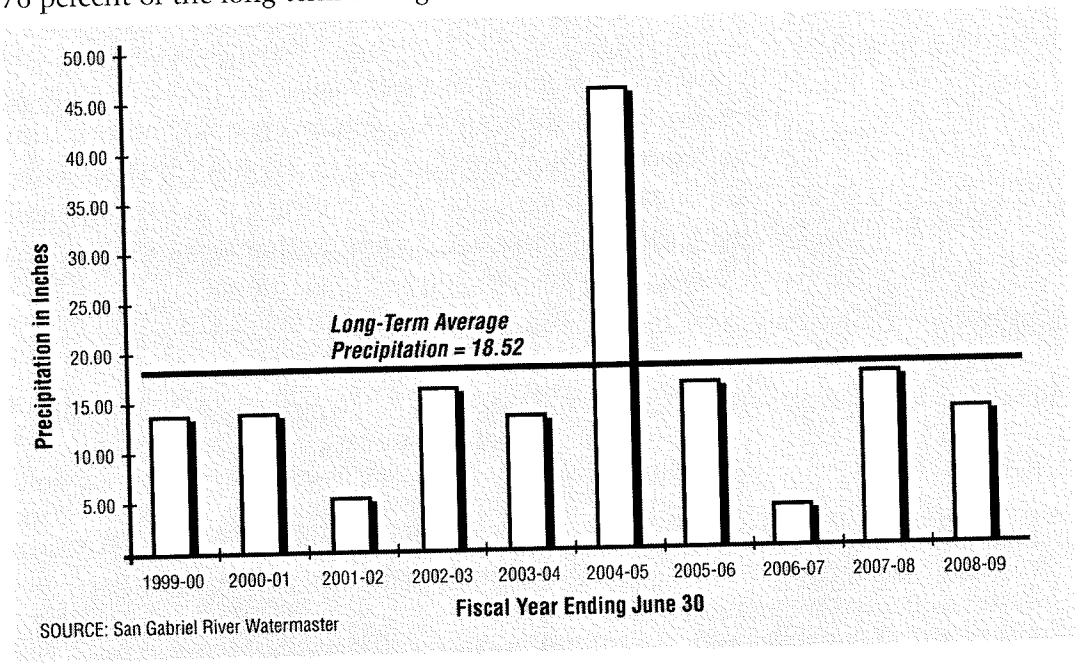


Figure 2. AVERAGE RAINFALL DURING THE LAST TEN YEARS
Rainfall in 2008-09 was about 14 inches. Average precipitation in the Main San Gabriel Basin for the 10-year period from 1999-00 to 2008-09 was 16.7 inches. The long-term average rainfall is 18.52 inches. The rainfall total is made up of an average taken from four stations located in San Dimas, Diamond Bar, El Monte, and Pasadena.

LOCAL STORMWATER CAPTURE 30 PERCENT OF AVERAGE

During fiscal year 2008-09 rainfall was about 76 percent of normal and contributed to runoff of about 70,000 acre-feet, which is about 67 percent of normal. Fiscal year 2008-09 represents the fourth consecutive year of below average rainfall and the third consecutive year of below average storm water runoff. As a result, conservation of local storm runoff between 2006-07 and 2008-09 totaled about 150,000 acre-feet, while the long-term average would have represented about 315,000 acre-feet. The deficit of about 165,000 acre-feet (315,000 - 150,000) represents about 21 feet of groundwater elevation at the Baldwin Park Key Well. Had rainfall and local storm runoff been near normal, the Baldwin Park Key Well groundwater level as of June 30, 2009 could have been about 21 feet higher or about elevation 216 feet instead of the recorded elevation of about 195 feet.

BASIN DEMANDS BELOW AVERAGE

The total Main San Gabriel Basin water demand consists of groundwater production, treated local runoff, and treated imported water deliveries. During fiscal year 2008-09 total water demand was about 272,000 acre-feet consisting of about 236,800 acre-feet of groundwater production, 13,700 acre-feet of treated local surface water and 21,500 acre-feet of treated imported water. The total quantity is about 6 percent lower than the 10-year average of about 290,000 acre-feet despite having below average rainfall in 2008-09, which would tend to increase water demands. The reduction is a result of Watermaster's and others' efforts to promote and encourage water conservation. The Main San Gabriel Basin Watermaster annually establishes an Operating Safe Yield, which is based on prevailing hydrologic conditions in the San Gabriel Valley. Production in excess of the Operating Safe Yield is subject to an assessment used to purchase untreated imported water to replenish the Main San Gabriel Basin. Overproduction during fiscal year 2008-09 was 58,100 acre-feet, which is above the 10-year average of 43,900 acre-feet. Untreated replenishment water deliveries have not been made available by the Metropolitan Water District of Southern California (MWD) since May 2007. The lack of replenishment water combined with dry conditions created historic low water levels even with reduced production due to conservation efforts.

KEY WELL BELOW OPERATING RANGE

The Baldwin Park Key Well is used as the benchmark for determining the groundwater level for the entire Basin. Pursuant to the Judgment, Watermaster works to keep the Key Well water level between 200 feet and 250 feet to the extent possible. Below average rainfall over the past four years, coupled with below average storm runoff contributed to the Baldwin Park Key Well water level falling from about 248.4 feet in June 2005 to 195.6 feet in June 2009. The below average rainfall of 14 inches during 2008-09 contributed to the continued decrease in the groundwater elevation at the Key Well to about 195.6 feet as of June 30, 2009, which is 4.4 feet below the bottom of the operating range.

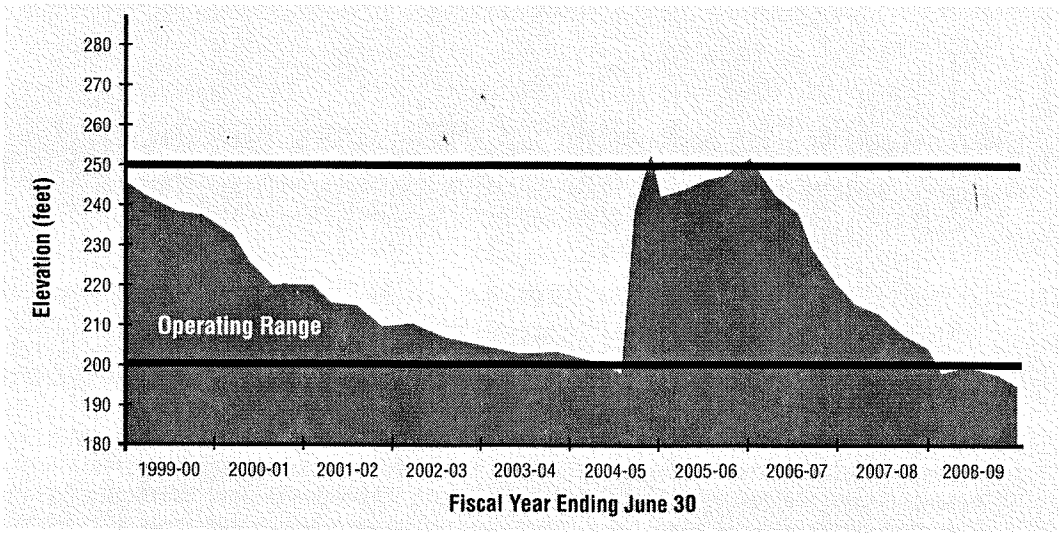


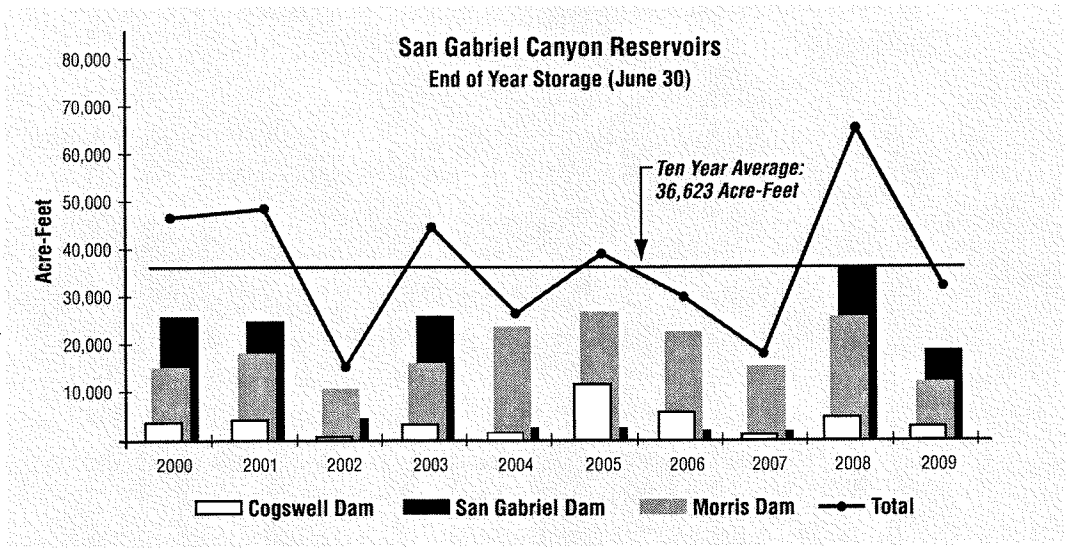
Figure 3. KEY WELL ELEVATIONS DURING THE LAST TEN YEARS
The groundwater elevation at the Key Well on June 30, 2009 was about 195.6 feet, which is below the bottom of the Basin's operating range of 200 to 250 feet.

DECREASE 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 2008-09 fiscal year, about 31,800 acre-feet of water was stored in these reservoirs. This is a decrease from the previous year and represents about 87 percent of the 10-year average of about 36,600 acre-feet of water in storage at the end of the fiscal year. In addition, about 70,000 acre-feet of local runoff was released from storage in local reservoirs for recharge into the groundwater basin during fiscal year 2008-09.

Total water stored in San Gabriel Canyon reservoirs at the end of the fiscal year was 31,800 acre-feet and is 87 percent of the 10-year average.

Figure 4. WATER STORED IN SAN GABRIEL CANYON RESERVOIRS



BASIN REPLENISHMENT ACTIVITIES

Basin management continues to encourage producers to maximize groundwater production instead of relying on treated imported water. 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. This practice takes advantage of historically lower cost water and allows water agencies to deliver untreated imported water on a flexible basis instead of requiring a continuous flow, as is the case of treated water demands. Currently, deliveries of untreated imported water for groundwater replenishment by MWD have been suspended. This suspension of deliveries has been in place since May 2007. MWD has indicated untreated imported water may be available in only three out to 10 years in the future. Watermaster is actively pursuing alternative means of Basin replenishment including:

- shifting groundwater production to treated imported water deliveries to reduce overproduction from the Basin;
- encouraging reduced groundwater production through conservation efforts;

- securing alternative supplemental supplies including maximizing delivery of imported water from State Water Project contractors; and
- securing a firm supply of advanced treated recycled water.

PROJECTED GROUNDWATER DEMANDS

PRODUCER ESTIMATES

Section 28 requires that each Producer submit a report to Watermaster detailing its projected water supply and water production requirements over the following five years. Projections were received from 16 Producers, accounting for about 65 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 5 shows the total projected and historical groundwater production from the Basin since 2002-03.

Water production has decreased over the prior year, due in part to Basinwide water conservation efforts.

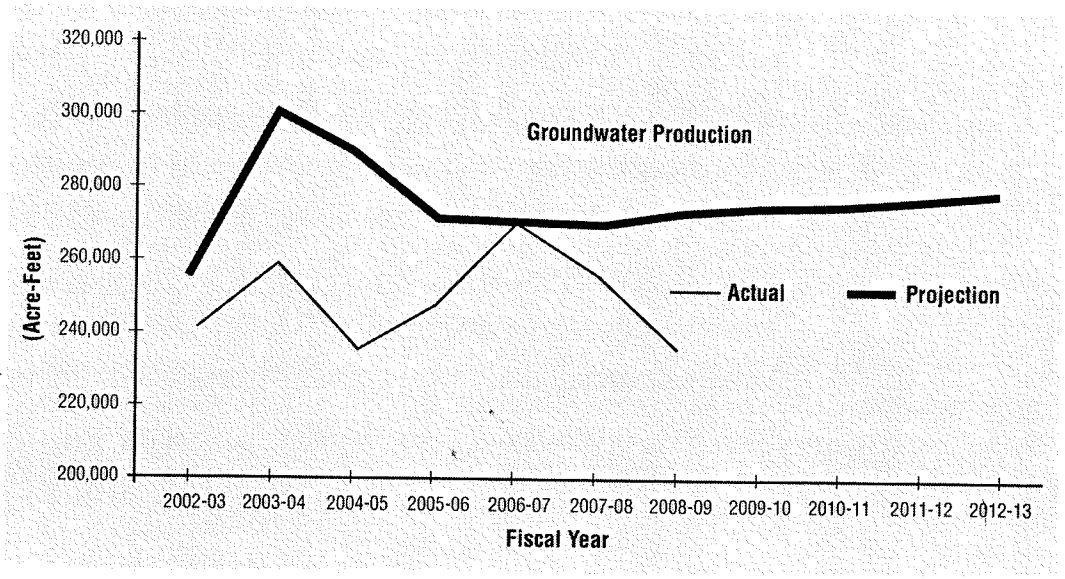


Figure 5. PROJECTED AND HISTORICAL WATER PRODUCTION
Total groundwater production for the 2008-09 fiscal year from the Basin was 236,800 acre-feet, which is lower than the previous year's production of 253,000 acre-feet. The decrease in groundwater production is due partially to Basin-wide water conservation.

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 been experiencing a gradual increase. The impacts of groundwater contamination since the 1980s had caused several water agencies to reduce groundwater production and temporarily increase reliance on treated imported water. In recent years, various groundwater production and treatment facilities have become operational, enabling water purveyors to resume use of groundwater.

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.

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. This policy of remediation and reuse both preserves a valuable resource and reduces the overall cost of groundwater cleanup. Initially, a number of VOC treatment facilities were constructed, while excessive nitrate concentrations were blended down to acceptable levels. Since the detection of perchlorate and NDMA, Watermaster has been instrumental in the successful operation of treatment facilities to treat VOCs, perchlorate, and NDMA.

While only present in limited parts of the Basin, these chemicals pose difficult challenges to water Producers. Watermaster responded vigorously by working closely with the local water community to sponsor research, as well as to design, fund, and construct cleanup projects ahead of the USEPA and the firms named as responsible for the contamination. Watermaster also led negotiations that resulted in the Baldwin Park Operable Unit (BPOU) Project Agreement, including an initial reimbursement for groundwater cleanup costs from certain parties responsible for the contamination. Under the 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.

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 and cleanup methods for VOCs are generally well understood; during fiscal year 2008-09, 30 plants treated about 26 billion gallons of VOC-contaminated water. Water containing nitrates above the Maximum Contaminant Level (MCL) is either blended with other sources or not used.

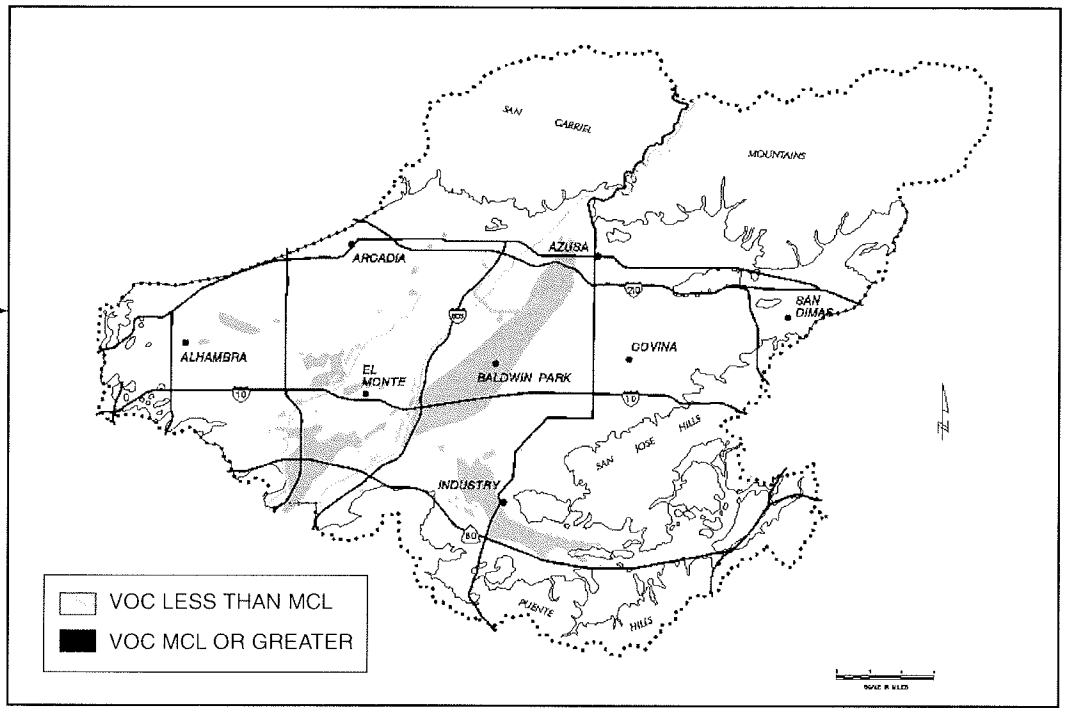
Note in Figure 6 that although VOC contamination is substantial, it is centered in just a few areas, leaving a good portion of the Basin unaffected. The same is true for nitrates, which have the highest concentrations in the eastern portion of the Basin, away from the most productive pumping areas (see Figure 7).

PERCHLORATE

In January 2002, California Department of Public Health (CDPH), formerly 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. CDPH 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 technology to remove perchlorate from drinking water; ion exchange technology is now operational at five sites in the BPOU and at two facilities in other parts of the Basin.

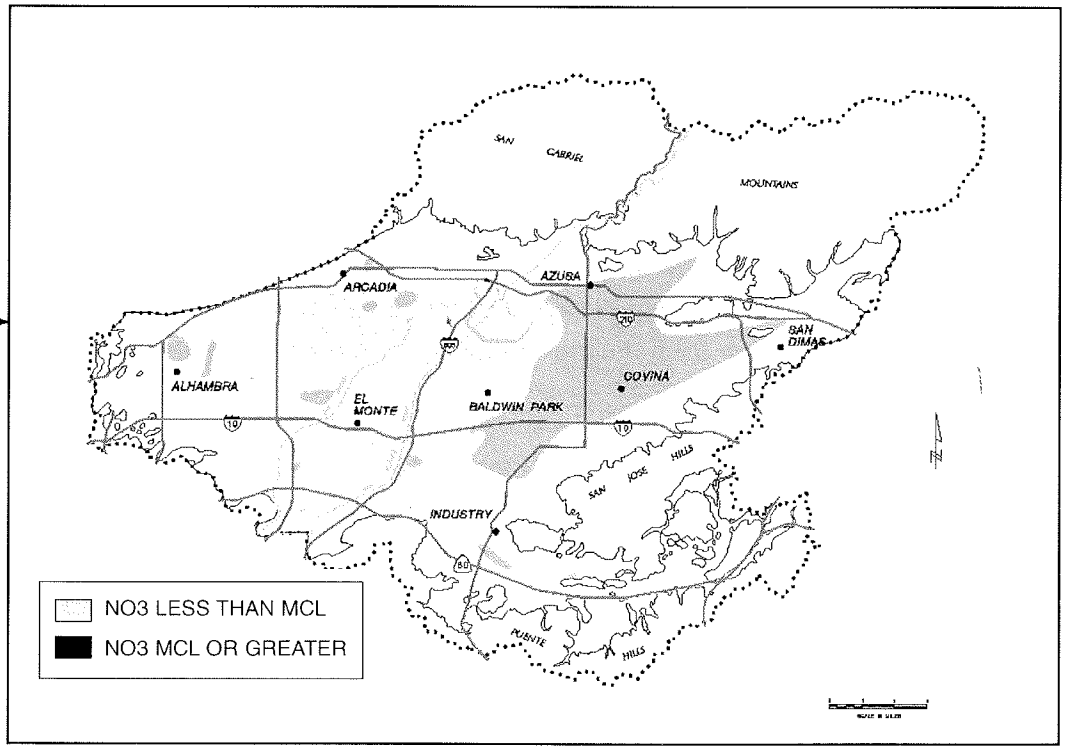
Extensive cleanup programs are underway in the areas affected by VOC contamination. Because the main plumes of contamination are centered in just a few areas, much of the Basin remains unaffected.

Figure 6. VOLATILE ORGANIC COMPOUND LEVELS IN GROUNDWATER THROUGHOUT THE BASIN



Nitrate (NO3) contamination is highest in the eastern portion of the Basin, away from the San Gabriel River, the area of most intensive groundwater pumping.

Figure 7. NITRATE LEVELS IN GROUNDWATER THROUGHOUT THE BASIN



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 were put on inactive status once NDMA was detected. CDPH 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 2008-09.

1,2,3-TRICHLOROPROPANE

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. It was detected in the BPOU during the winter of 2006, and its presence delayed use of one treatment facility for potable purposes. Following detection, CDPH indicated the appropriate treatment technology is liquid phase granular activated carbon. Subsequently, 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. That treatment facility was operational during fiscal year 2008-09.

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 reaches 50 percent of the NL or MCL allowed by state drinking water regulations. Watermaster reviews water quality tests performed on each well, regional water quality conditions, and contaminant migration patterns in an effort to project which wells may be vulnerable over the next five years and prepare plans to construct treatment facilities, as needed. (See Figures 8a, 8b and 8c in Appendix F).

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 the contamination problem(s) without contributing to the migration of contaminants in the Basin.

FIVE-YEAR WATER QUALITY AND SUPPLY PLAN

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, has worked to develop the expertise, financing and treatment technologies to effectively address Basinwide cleanup of VOCs.

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

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

This report outlines a combined cleanup and water supply plan for 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.

GROUNDWATER MONITORING PROGRAMS

Monitoring involves measuring groundwater levels, groundwater quality, and groundwater flow. Watermaster continuously refines its understanding of the groundwater Basin to increase 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 the Whittier Narrows Dam. These water level records are synchronized with the record in the Key Well. Collectively, water level data from these wells provide 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 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 nine primary wells;
- gathering semi-annual measurements of water levels in 170 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; and
- preparing semi-annual groundwater contour maps of the entire Basin.

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 and nitrates. The frequency of BGWQMP sampling complements 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.

CONTINUE TITLE 22 WATER QUALITY TESTING

Watermaster continues to perform CDPH-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.

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 2008-09 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 2013-14. These simulations indicate that the estimated increase in groundwater production during the next five years 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,

Simulations of the direction of groundwater flow in 2008-09 and projections for 2013-14 show that the estimated increase in groundwater pumping during this period would not significantly change the overall direction of Basin groundwater movement.

exiting through Whittier Narrows. The simulation for 2013-14 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 CDPH-permitted water is provided for potable use.

SIMULATE IMPACTS OF GROUNDWATER PUMPING ON CONTAMINANT MIGRATION

Simulations similar to the ones described above were used to make the finding that pumping particularly from USEPA mandated cleanup projects and managed by Watermaster helps to control and contain contaminant migration.

Groundwater quality data collected during 2008-09 and projected quality data for 2013-14 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 9 and 10 in Appendix G).

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 such that treated water is retained In the Basin to well water demands and providing assurance 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, Puente Valley, El Monte, 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.

With USEPA plans generally in place, Watermaster is working with others to ensure cleanup plans also address local water supply needs.

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 to address the contamination and to implement the cleanup plans. Wells that pump to an existing or planned treatment facility are shown in bold.

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 12). The contamination has primarily resulted from improper use and disposal of industrial chemicals in the Azusa area, and it continues to spread generally in a southwesterly 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 involves 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. 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 disposing of it to storm drains.

Figure 11. LOCATION MAP OF USEPA OPERABLE UNITS

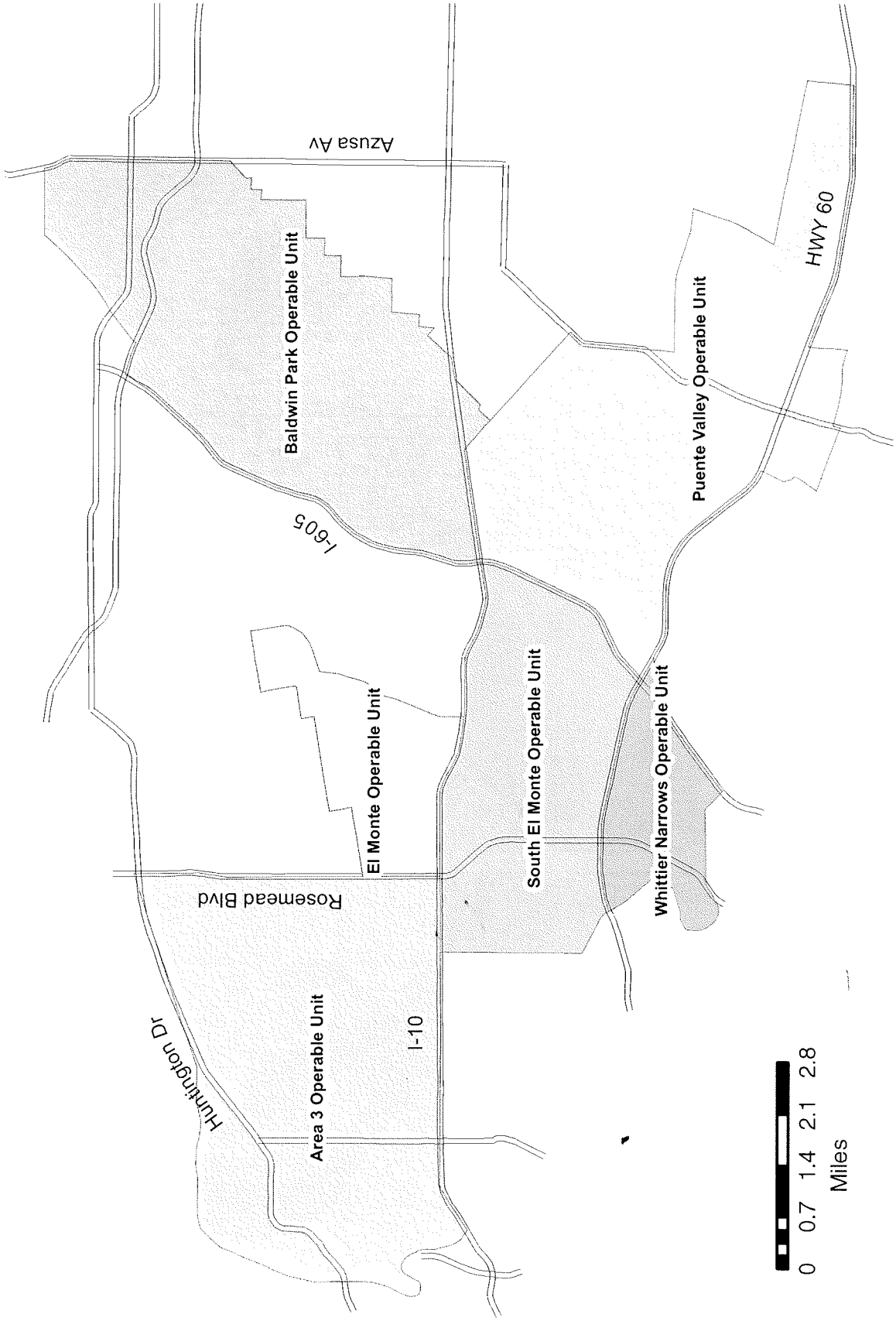


Figure 12. VOC PLUME MAP IN BPOU

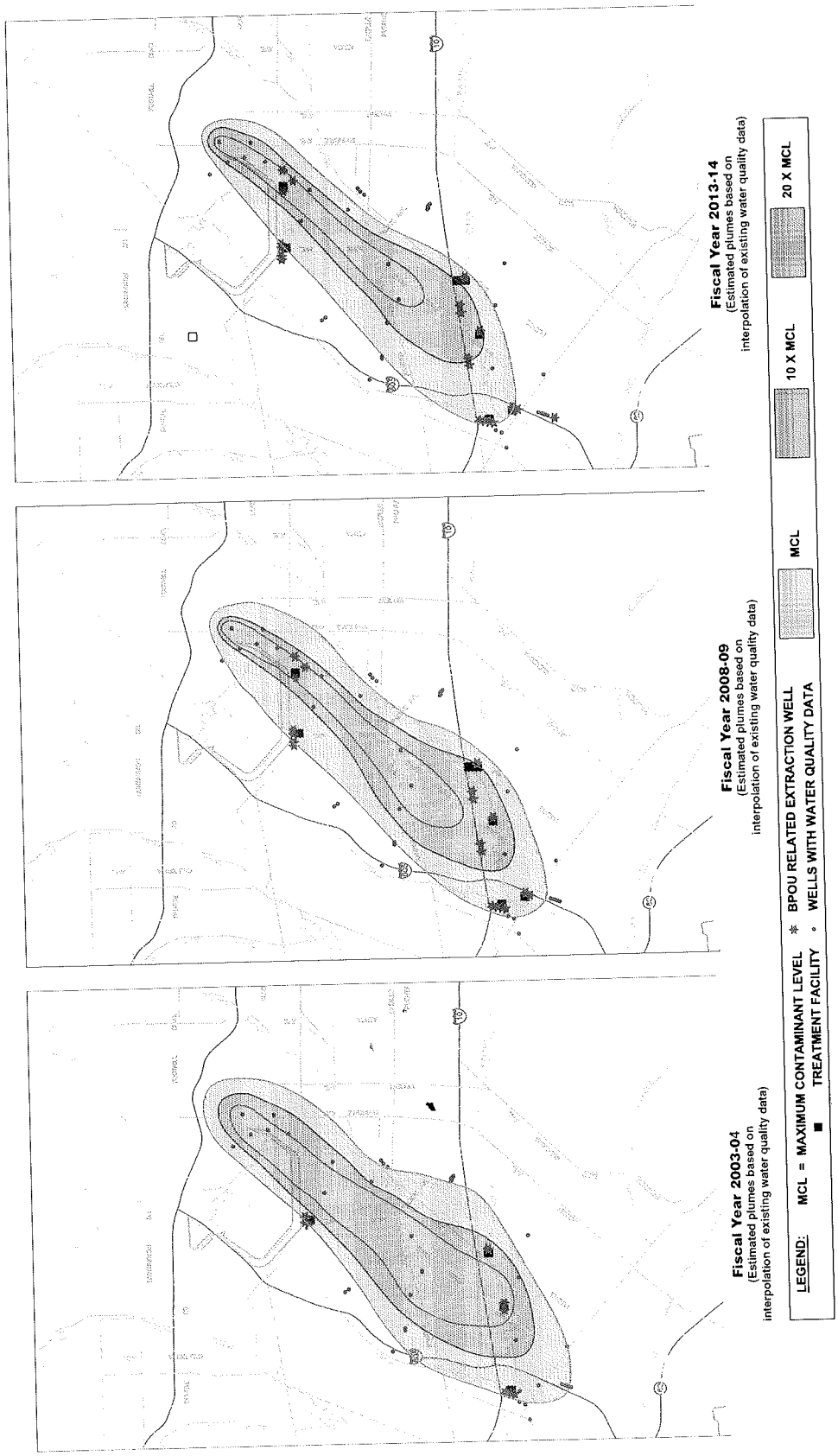


Figure 13. PERCHLORATE PLUME MAP IN BPOU

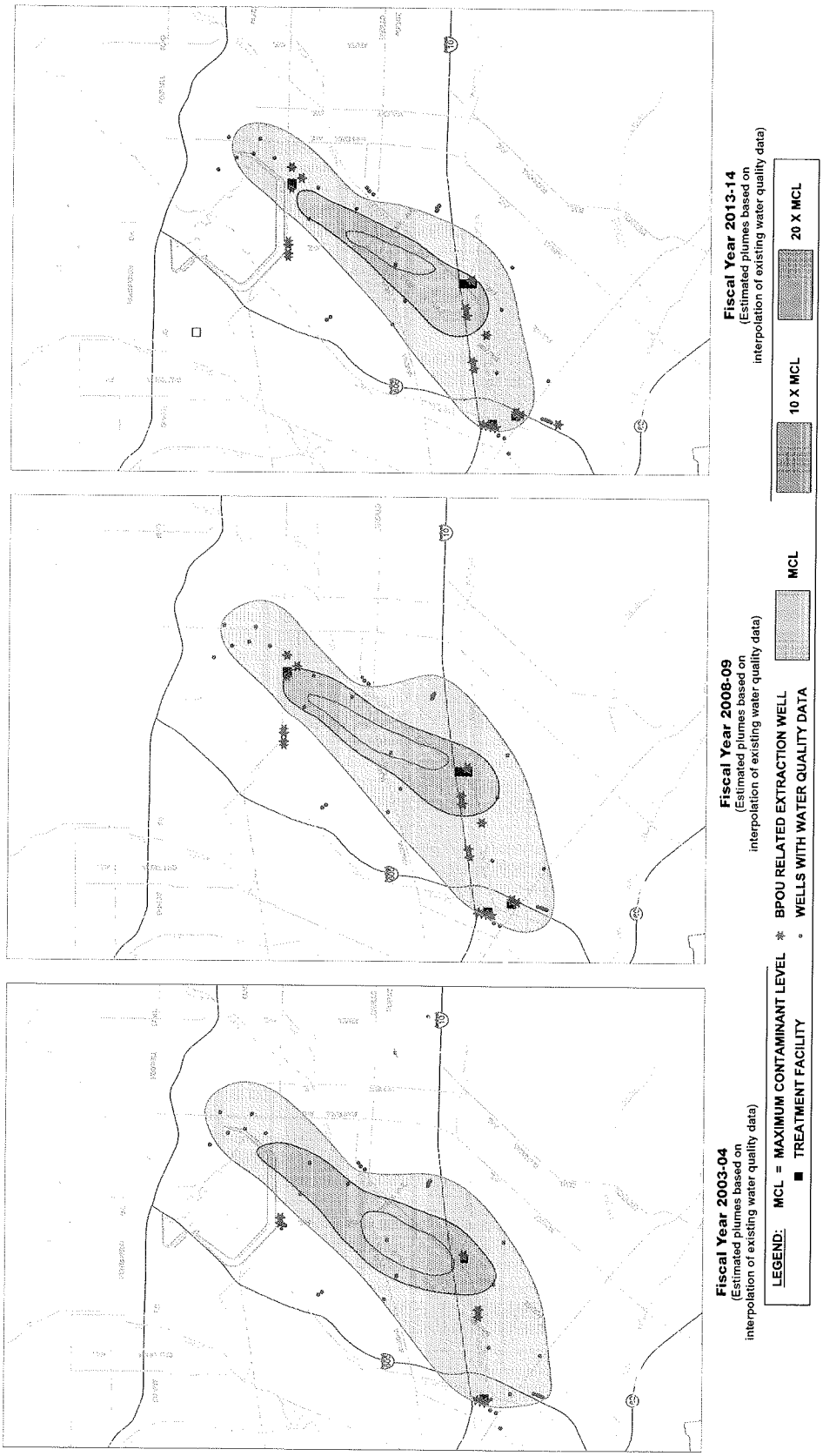


Figure 14. LOCATION MAP OF BPOU

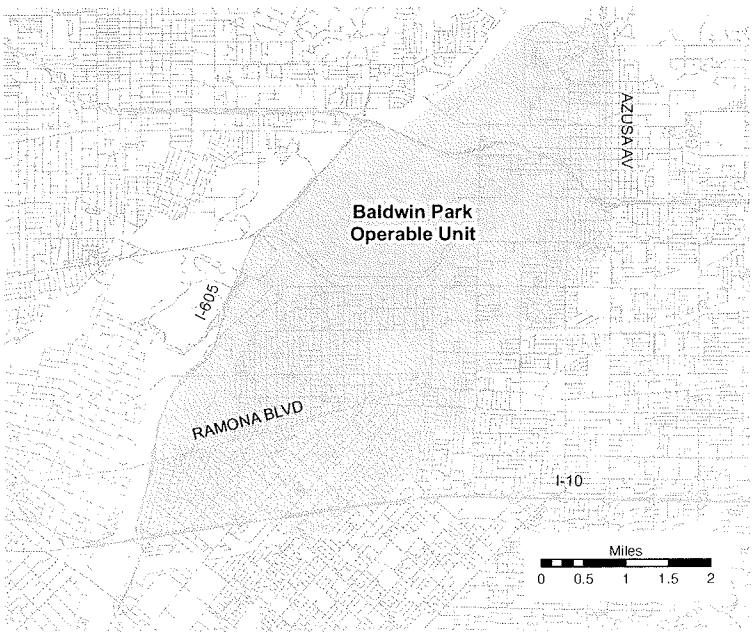


Figure 15. LOCATION MAP OF SEMOU

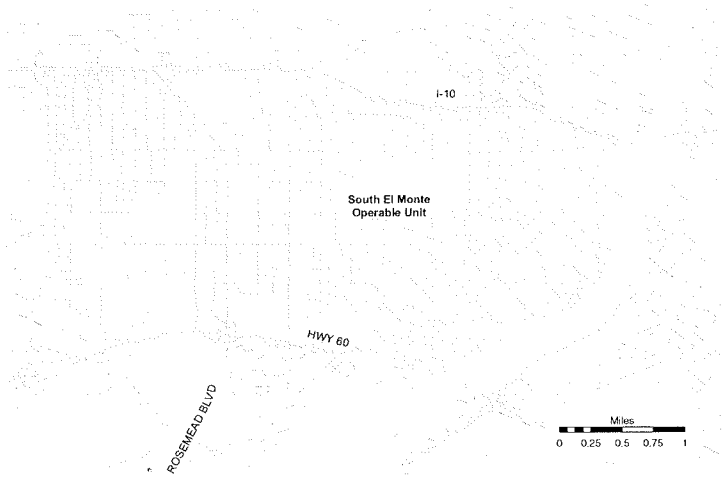


Figure 16. LOCATION MAP OF EMOU

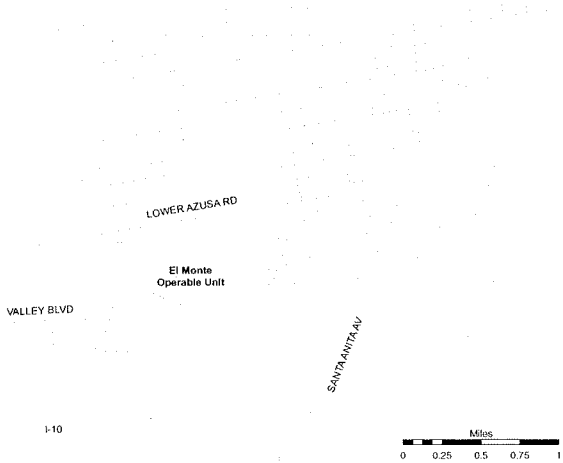


Figure 17. LOCATION MAP OF PVOU

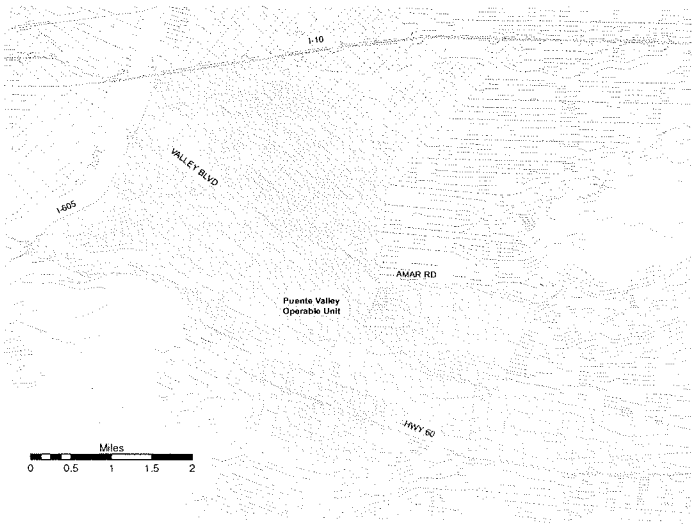


Figure 18. LOCATION MAP OF WNOU

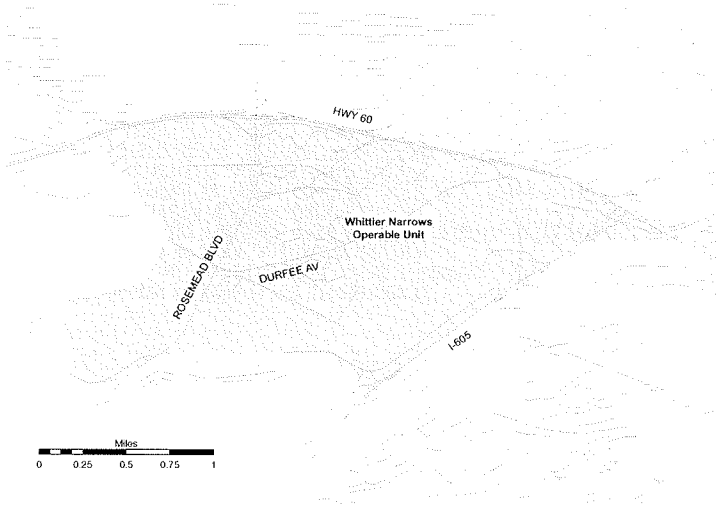
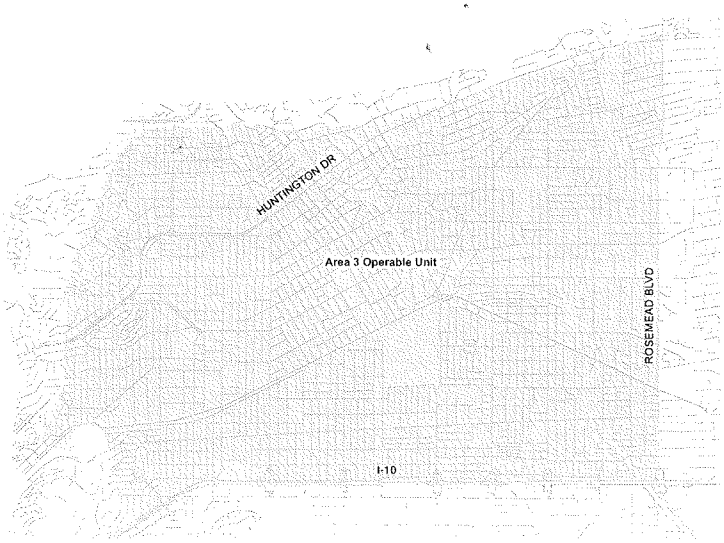


Figure 19. LOCATION MAP OF AREA 3



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 continues to provide overall project management and project coordination services. The CRs have paid the cost to construct and will provide funding to operate the USEPA-required BPOU cleanup facilities for about 15 years. Several water purveyors own and operate the facilities and use the highly treated water in their water systems. The San Gabriel Basin Water Quality Authority (WQA) has obtained outside funds to help construct necessary 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 25,900 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), and La Puente Valley County Water District's (LPVCWD) site (2,500 gpm). The location of these treatment facilities is shown on Figure 12.

VCWD PROJECT

In the northerly portion of the BPOU, the VCWD Project consists of three extraction wells, including two new wells, pumping up to 7,800 gpm (average annual rate of 7,000 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 will use the remaining portion of the treated water. The VCWD Project began operation for contamination cleanup in 2006 and received its CDPH operating permit in July 2007 to provide potable water to customers, and is operational. Since operation began in 2006, the VCWD treatment facility has treated about 25,500 acre-feet and has removed about 14,100 pounds of contaminants.

VCWD and its BPOU partners are coordinating the construction of a new ion exchange facility that will remove perchlorate more cost effectively. Construction and startup testing of the new ion exchange facility is anticipated to be completed during fiscal year 2009-10 while 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. The LPVCWD project consists of separate facilities to treat VOCs, perchlorate, NDMA and 1,4-dioxane. The LPVCWD project is permitted by CDPH 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 39,000 acre-feet (including prior operations with only VOC treatment) and removed about 7,900 pounds of contaminants.

During fiscal year 2008-09, LPVCWD constructed a new ion exchange facility that will remove perchlorate more cost effectively. The ion exchange facility operational testing, CDPH permitting and full scale operation for potable use is anticipated to occur during fiscal year 2009-2010.

SGVWC B6 PROJECT

The SGVWC B6 project is permitted by CDPH and has been operational since July 2005. The B6 project consists of four new extraction wells and a centralized treatment facility that treats up to 7,800 gpm (average annual rate of 7,000 gpm). The treatment 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 61,000 acre-feet, (including prior operations with only VOC treatment), and removed about 9,100 pounds of contaminants.

The BPOU project partners are coordinating the construction of a new ion exchange facility, similar to the ones at the LPVCWD project and the VCWD Project. Construction of the new ion exchange facility began during fiscal year 2008-09 while the existing treatment facility continues to provide treated water for municipal use. Treatment facility operational testing, CDPH permitting and full scale operation for municipal use is anticipated to occur during fiscal year 2009-10.

SGVWC B5 PROJECT

The SGVWC B5 Project consists of one new extraction well along with two existing wells that will 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 will treat the contaminated water for VOCs, perchlorate, NDMA, and 1,4-dioxane. Following receipt of a permit from CDPH, the treated water will be provided to City of Industry customers (1,200 gpm) and the balance (6,600 gpm) provided to SGVWC customers. The SGVWC B5 Project was permitted by CDPH in fiscal year 2007-08. Since operation began in 2007 the SGVWC B5 treatment facility has treated about 18,700 acre-feet and has removed about 460 pounds of contaminants.

PURVEYOR PROJECTS

In addition to the USEPA-required BPOU facilities, several water purveyors have built treatment facilities at other wells within the BPOU area to meet water supply needs until the USEPA remedy prevents the continued spread of contamination. California Domestic Water Company (CDWC) has constructed facilities at its wellfield to remove VOCs, perchlorate and NDMA. Similarly, Watermaster has issued permits under its Section 28 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 12 shows the approximate geographic extent of VOC contamination and operating VOC treatment facilities from about five years ago, and from current data. In addition, the anticipated treatment facilities and the approximate geographic extent of VOC contamination, using engineering judgment, for five years in the future is also shown on Figure 12. The 2008-09 plume indicates the addition of supplemental treatment has enabled several VOC treatment facilities to resume operation, which has in turn, begun to control plume movement. It also indicates that, as a result of below average groundwater replenishment, groundwater flow has shifted VOC contamination to the west in the northwesterly portion of the plume. In the future, Watermaster anticipates the area of the VOC plume will begin to decrease, as shown on the 2013-14 plume. Similarly, Figure 13 shows the approximate geographic extent of perchlorate. The series of three plume characterizations and facility indicators show that in 2003-04 treatment existed at only one site. With the construction and operation of treatment facilities (2008-09), plume movement is expected to be controlled and, similar to VOCs, begin to decrease in the future (2013-14).

Watermaster will continue to coordinate BPOU cleanup activities among the various parties to the BPOU Project Agreement over the next 10 years, including interfacing with USEPA, overseeing agreements between water purveyors to use the treated water, and providing accounting services to track BPOU Project costs and funds received. 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.

SOUTH EL MONTE OPERABLE UNIT

The South El Monte Operable Unit (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. Since 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. The San Gabriel Basin Water Quality Authority (WQA) has assisted these Producers by providing 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 VOC) 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. Future production primarily will be 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 upgradient of Wells No. 9, 12, and 15. Since the treatment facility began operation, over 27,200 acre-feet of water has been treated and about 3,500 pounds of contaminants removed from the groundwater.

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 CDPH in September 2006 and went on line in December 2006. Since the original VOC treatment facility operation, over 22,500 acre-feet of water has been treated and about 2,000 pounds of contaminants have been removed from the groundwater.

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 6,700 acre-feet of water and removed about 290 pounds of contaminants.

EL MONTE OPERABLE UNIT

The El Monte Operable Unit (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 in the south, Rosemead Boulevard in 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.

Westside Projects. On the Westside there are plans for cleanup contaminants occurring in the shallow aquifer. Watermaster is coordinating with the Westside entities to address the disposition of the treated water. 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. 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 CDPH 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.

Eastside Projects. The remediation on the Eastside will also involve cleanup of contaminants in the shallow aquifer. Final disposition of the water has not yet been determined and is still being coordinated by the Watermaster. The VOC contamination in the deep aquifer is anticipated to be produced from three wells and the fully treated water will be provided to the City of El Monte. Watermaster will continue to assist with data collection and permitting of facilities over the next five years.

PUENTE VALLEY OPERABLE UNIT

The Puente Valley Operable Unit (PVOU) lies in the southeastern portion of the Basin, essentially bounded by the 60 Freeway in the south, Azusa Avenue in the east, and the I-10 Freeway in 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.

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, Carrier Corporation and the Responsible Party to develop an agreement to allow production and discharge of the PVOU shallow zone water. The shallow zone project is currently anticipated to be operational during fiscal year 2010-11.

Intermediate Zone. The proposed location of the intermediate zone treatment facility is also shown on Figure 17. Watermaster is working with USEPA, PRPs 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. The intermediate zone project is currently anticipated to be operational during fiscal year 2010-11.

WHITTIER NARROWS OPERABLE UNIT

The USEPA has declared that 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. The total extractions are estimated to be about 11,000 gallons per minute (5,000 gpm shallow and 6,000 gpm intermediate zone).

Intermediate Zone Project. The City of Whittier has obtained a CDPH permit to use the 6,000 gpm of treated intermediate zone water for municipal use instead of producing water from its existing wells. Since production began in late 2005, about 16,500 acre-feet of groundwater has been treated and about 750 pounds of contaminants removed.

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 indicate the shallow zone contamination could be adequately contained at an extraction rate of 2,500 gpm. The production agreement between USEPA and Watermaster to pump and discharge shallow zone water expired as of June 30, 2007, and further shallow zone treatment was temporarily suspended while the parties worked to determine an acceptable and appropriate long-term use of the water. Following several meetings, Watermaster entered into a production agreement with USEPA and the County of Los Angeles. Treated shallow zone water is being discharged to Legg Lake. A portion of the treated water is reported by the County of Los Angeles to Watermaster as production and the balance of the treated water will flow out of Legg Lake and percolate into the Basin. The shallow zone wells resumed operation in March 2008.

Since production began at the WNOU facility, over 23,000 acre-feet of groundwater has been treated, and over 1,600 pounds of contaminants have been removed.

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). USEPA has installed five 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.

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 10 new wells and build 4 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 holding about 2.8 trillion gallons of water. Water enters the Basin from countless natural and man-made locations, and is extracted from 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 its 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.

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 Regional Board about sources of VOC contamination in the Basin as part of the Regional Board investigations of potential contaminated sites. The information includes a description of all potential sources of contamination investigated by the Regional Board, 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 Regional Board 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 2009-10 to 2013-14

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. Maps Showing Wells Vulnerable to VOC, Nitrate and Perchlorate Contamination Within Five Years (Figures 8a, 8b, and 8c)

G. Simulated Basin Groundwater Contours 2008-09 and 2013-14 (Figures 9 and 10)

APPENDIX A.

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
ADAMS RANCH MUTUAL 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	NA	NA	66.59	70.00	70.00	70.00	70.00	70.00
SUBTOTAL:		NA	NA	66.59	70.00	70.00	70.00	70.00	70.00
ALHAMBRA, CITY OF (1)									
1900010	MOELR (8)	3,145	1,950	11.74	14.45	14.73	14.74	14.69	14.69
1900011	9	887	550	621.92	765.56	780.41	780.95	778.45	778.45
1900012	10	323	200	166.32	204.73	208.71	208.85	208.18	208.18
1900013	12	968	600	2.56	3.15	3.21	3.21	3.20	3.20
1900014	13	2,371	1,470	0.00	0.00	0.00	0.00	0.00	0.00
1900015	14	2,016	1,250	1,468.75	1,807.97	1,843.05	1,844.33	1,838.43	1,838.43
1900016	15	1,823	1,130	1,814.96	2,234.14	2,277.49	2,279.07	2,271.78	2,271.78
1900017	2 LON	2,355	1,460	2,163.76	2,663.50	2,715.18	2,717.06	2,708.37	2,708.37
1900018	GARF	763	473	0.00	0.00	0.00	0.00	0.00	0.00
1902789	1 LON	1,529	948	1,225.93	1,509.07	1,538.35	1,539.42	1,534.49	1,534.49
1903014	11	839	520	867.79	1,068.21	1,088.94	1,089.69	1,086.21	1,086.21
1903097	7	2,581	1,600	866.98	1,067.22	1,087.92	1,088.68	1,085.19	1,085.19
SUBTOTAL:		19,600	12,151	9,210.71	11,338.00	11,558.00	11,566.00	11,529.00	11,529.00
AMARILLO MUTUAL WATER COMPANY (SAN GABRIEL VALLEY WATER COMPANY) (1)									
1900791	1	644	399	368.27	612.72	624.97	637.47	650.22	663.22
1900792	2	424	263	1.70	0.71	0.73	0.73	0.74	0.77
SUBTOTAL:		1,068	662	369.97	613.42	625.70	638.20	650.97	663.99
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	3,629	2,250	778.83	1,035.88	1,038.47	1,041.06	1,043.67	1,043.67
1901014	2 LON	3,629	2,250	0.00	1,035.88	1,038.47	1,041.06	1,043.67	1,043.67
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	323	200	134.32	281.17	279.76	280.46	281.16	281.16
1902854	1 PEC	5,646	3,500	4,329.37	3,973.44	3,983.37	3,993.33	4,003.32	4,003.32
8000127	1 LO	7,097	4,400	4,495.57	3,385.93	3,394.39	3,402.88	3,411.39	3,411.39
8000177	2 STJ	4,839	3,000	1,041.97	896.73	898.97	901.22	903.47	903.47
SUBTOTAL:		20,324	15,600	10,780.06	10,609.02	10,633.43	10,660.02	10,686.67	10,686.67
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
AZUSA, CITY OF (AZUSA AGRICULTURE WATER COMPANY, AZUSA VALLEY WATER COMPANY) (1)									
1902533	5 (1)	1,613	1,000	1,461.94	1,345.00	1,345.00	1,345.00	1,345.00	1,345.00
1902535	6 (3)	4,839	3,000	264.75	229.00	229.00	229.00	229.00	229.00
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)	5,242	3,250	1,723.80	2,482.00	2,482.00	2,482.00	2,482.00	2,482.00
8000086	3 (8)	4,516	2,800	2,990.03	2,772.00	2,772.00	2,772.00	2,772.00	2,772.00
1902457	2 (1 NORTH)	4,516	2,800	4,121.96	4,020.00	4,020.00	4,020.00	4,020.00	4,020.00
1902458	4 (2 SOUTH)	4,033	2,500	3,411.20	2,753.00	2,753.00	2,753.00	2,753.00	2,753.00
1902113	AVWC 1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1902114	AVCW 2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902115	8 (AVWC 4)	2,984	1,850	51.57	42.00	42.00	42.00	42.00	42.00
1902116	7 (AVWC 5)	1,694	1,050	66.63	114.00	114.00	114.00	114.00	114.00
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	6.25	9.00	9.00	9.00	9.00	9.00
8000178	11	3,549	2,200	1,388.34	1,761.00	1,761.00	1,761.00	1,761.00	1,761.00
8000179	12	2,581	1,600	1,182.01	1,198.00	1,198.00	1,198.00	1,198.00	1,198.00
1903119	VULCAN			26.15	50.00	50.00	50.00	50.00	50.00
SUBTOTAL:		15,001	9,300	16,694.63	16,775.00	16,775.00	16,775.00	16,775.00	16,775.00
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
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	27.46	25.00	25.00	25.00	25.00	25.00
SUBTOTAL		560	347	27.46	25.00	25.00	25.00	25.00	25.00
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
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	3,226	2,000	1,032.03	1,154.50	1,171.80	1,189.39	1,207.27	1,225.31
1900355	B-V	3,468	2,150	818.43	915.55	929.27	943.22	957.40	971.70
1900356	MT AVE	1,936	1,200	0.00	0.00	0.00	0.00	0.00	0.00
1900357	LAS L	1,113	690	0.00	0.00	0.00	0.00	0.00	0.00
1900358	FISH C	1,936	1,200	39.14	43.78	44.44	45.11	45.79	46.47
1902907	WILEY	2,581	1,600	1,883.94	2,107.51	2,139.08	2,171.19	2,203.84	2,236.76
1903018	CR HV	2,823	1,750	1,711.57	1,914.68	1,943.36	1,972.54	2,002.20	2,032.11
8000139	ENCTO	3,549	2,200	763.02	853.57	866.35	879.36	892.58	905.92

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
8000140	LASL 2	2,742	1,700	728.38	814.82	827.02	839.44	852.06	864.79
11900497	BACON	726	450	5.00	5.59	5.68	5.76	5.85	5.94
SUBTOTAL:		24,098	14,940	6,981.51	7,810.00	7,927.00	8,046.00	8,167.00	8,289.00
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	634	393	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	2,571	1,594	1,851.37	1,870.31	1,898.42	1,926.75	1,955.71	1,984.88
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	1,339	830	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	1,816	1,126	937.55	947.14	961.38	975.72	990.39	1,005.16
1900927	ROSE	929	576	881.75	890.77	904.16	917.65	931.44	945.34
1900934	ROAN	1,952	1,210	0.00	0.00	0.00	0.00	0.00	0.00
1900935	LONG	3,152	1,954	684.53	691.53	701.93	712.40	723.11	733.89
1901441	BR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902424	HOWL	1,707	1,058	279.89	282.75	287.00	291.29	295.66	300.07
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	2,766	1,715	1,666.55	1,683.60	1,708.91	1,734.40	1,760.47	1,786.73
1903059	DELMAR	1,571	974	1,094.22	1,105.41	1,122.03	1,138.77	1,155.89	1,173.13
8000175	HALL-2	NA	NA	1,362.54	1,376.48	1,397.17	1,418.02	1,439.33	1,460.80
SUBTOTAL:		18,437	11,430	8,758.40	8,848.00	8,981.00	9,115.00	9,252.00	9,390.00
CALIFORNIA COUNTRY CLUB									
1902529	CLUB	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902531	ARTES	1,129	700	0.06	2.73	2.73	2.73	2.73	2.73
1903084	SYC	1,290	800	0.05	2.27	2.27	2.27	2.27	2.27
SUBTOTAL:		2,420	1,500	0.11	5.00	5.00	5.00	5.00	5.00
CALIFORNIA DOMESTIC WATER COMPANY (1)									
1901181	2	5,404	3,350	881.35	929.25	1,041.40	1,078.79	1,116.17	1,148.21
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	6,775	4,200	3,877.61	4,088.37	4,581.79	4,746.26	4,910.74	5,051.72
1903057	3	7,581	4,700	7,000.07	7,380.54	8,271.29	8,568.21	8,865.13	9,119.63
1903081	8	5,162	3,200	717.71	756.72	848.05	878.49	908.93	935.03
8000100	5A	7,742	4,800	4,026.29	4,245.13	4,757.47	4,928.25	5,099.03	5,245.41
8000174	14	4,516	2,800	0.00	0.00	0.00	0.00	0.00	0.00
11900092		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		37,180	23,050	16,503.03	17,400.00	19,500.00	20,200.00	20,900.00	21,500.00
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
CHAMPION MUTUAL WATER COMPANY									
1900908	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902816	2	516	320	0.69	7.92	7.92	7.92	7.92	7.92
8000121	3	145	90	98.08	79.58	79.58	79.58	79.58	79.58
SUBTOTAL:		661	410	98.77	87.50	87.50	87.50	87.50	87.50
CHEVRON USA									
1900250	TEMP1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
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
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
VULCAN MATERIALS COMPANY (CALMAT COMPANY)									
1902920	E DUR	6,386	3,959	256.97	299.56	320.96	342.35	363.75	385.15
1903088	1 REL	4,068	2,522	264.79	308.67	330.72	352.77	374.82	396.87
8000063	W DUR	NA	NA	78.72	91.77	98.32	104.88	111.43	117.99
SUBTOTAL:		10,454	6,481	600.48	700.00	750.00	800.00	850.00	900.00
CORCORAN BROS.									
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									
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	0.48	0.45	0.45	0.45	0.45	0.45
8000142	EX2	NA	NA	0.37	0.35	0.35	0.35	0.35	0.35
8000143	EX3	NA	NA	0.08	0.08	0.08	0.08	0.08	0.08
8000144	EX4	NA	NA	0.06	0.06	0.06	0.06	0.06	0.06
8000153	E16A	NA	NA	1.24	1.17	1.17	1.17	1.17	1.17
8000154	E17A	NA	NA	2.48	2.34	2.34	2.34	2.34	2.34
8000155	E18A	NA	NA	0.67	0.63	0.63	0.63	0.63	0.63
8000156	E19A	NA	NA	1.30	1.23	1.23	1.23	1.23	1.23
8000173	E20A	NA	NA	1.65	1.56	1.56	1.56	1.56	1.56
8000161	E01R	NA	NA	0.24	0.23	0.23	0.23	0.23	0.23
8000162	E03R	NA	NA	0.05	0.05	0.05	0.05	0.05	0.05
8000163	E05R	NA	NA	1.03	0.97	0.97	0.97	0.97	0.97
8000164	E07R	NA	NA	1.83	1.73	1.73	1.73	1.73	1.73
8000165	E02R	NA	NA	2.04	1.93	1.93	1.93	1.93	1.93
8000166	E04R	NA	NA	0.75	0.71	0.71	0.71	0.71	0.71
8000167	E06R	NA	NA	0.37	0.35	0.35	0.35	0.35	0.35
8000168	E08R	NA	NA	1.23	1.16	1.16	1.16	1.16	1.16
SUBTOTAL:		NA	NA	15.87	15.00	15.00	15.00	15.00	15.00
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
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

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SUBTOTAL:		968	600	0.00	0.00	0.00	0.00	0.00	0.00
COVINA IRRIGATING COMPANY (1)									
1900881	CONTR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900882	3 BAL	3,549	2,200	2,221.30	2,400.00	2,600.00	2,600.00	2,600.00	2,600.00
1900883	2 BAL	3,226	2,000	1,673.94	2,000.00	2,400.00	2,400.00	2,400.00	2,400.00
1900885	1 BAL	2,420	1,500	1,367.48	1,600.00	2,000.00	2,000.00	2,000.00	2,000.00
11900880	VALEN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
21900880	VALEN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		9,194	5,700	5,262.72	6,000.00	7,000.00	7,000.00	7,000.00	7,000.00
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
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
DEL RIO MUTUAL WATER COMPANY (1)									
1900331	BURKE	261	162	117.89	125.00	125.00	125.00	125.00	125.00
1900332	KLING	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		261	162	117.89	125.00	125.00	125.00	125.00	125.00
DRIFTWOOD DAIRY									
1902924	01	298	185	149.92	150.00	150.00	150.00	150.00	150.00
SUBTOTAL:		298	185	149.92	150.00	150.00	150.00	150.00	150.00
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. (1)									
11901508	9	2,500	1,550	1,454.34	1,773.69	1,791.43	1,809.34	1,827.43	1,827.43
SUBTOTAL:		2,500	1,550	1,454.34	1,773.69	1,791.43	1,809.34	1,827.43	1,827.43
EL MONTE, CITY OF (1)									
1901692	2A	1,532	950	383.59	424.23	424.23	424.23	424.23	424.23
1901693	3	1,936	1,200	0.00	0.00	0.00	0.00	0.00	0.00
1901694	4	2,258	1,400	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	454.79	502.97	502.97	502.97	502.97	502.97
1901700	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902612	MT VW	807	500	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1903137	12	3,468	2,150	739.81	818.19	818.19	818.19	818.19	818.19
8000066		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000101	13	4,678	2,900	979.81	1,083.61	1,083.61	1,083.61	1,083.61	1,083.61
SUBTOTAL:		17,098	10,600	2,558.00	2,829.00	2,829.00	2,829.00	2,829.00	2,829.00
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
GLENDORA, CITY OF (1)									
1900826	11-E	1,281	794	485.04	577.66	597.24	616.82	616.82	616.82
1900827	12-G	2,957	1,833	2,524.94	3,007.09	3,109.02	3,210.96	3,210.96	3,210.96
1900828	10-E	629	390	306.42	364.93	377.30	389.67	389.67	389.67
1900829	8-E	2,258	1,400	1,559.84	1,857.70	1,920.67	1,983.64	1,983.64	1,983.64
1900830	9-E	2,757	1,709	1,285.58	1,531.07	1,582.97	1,634.87	1,634.87	1,634.87
1900831	7-G	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901523	1-E	347	215	39.97	47.60	49.22	50.83	50.83	50.83
1901524	4-E	3,549	2,200	0.00	0.00	0.00	0.00	0.00	0.00
1901525	3-G	3,307	2,050	0.00	0.00	0.00	0.00	0.00	0.00
1901526	2-E	484	300	491.37	585.20	605.04	624.87	624.87	624.87
8000003		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000149	5-E	3,039	1,884	2,166.04	2,579.65	2,667.10	2,754.54	2,754.54	2,754.54
8000184	13-E	1,168	724	1,048.83	1,249.11	1,291.45	1,333.79	1,333.79	1,333.79
SUBTOTAL:		21,774	13,499	9,908.03	11,800.00	12,200.00	12,600.00	12,600.00	12,600.00
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
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
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									
1901178	NORTH	219	136	40.30	44.88	44.88	44.88	44.88	44.88
1902806	SOUTH	516	320	67.45	75.12	75.12	75.12	75.12	75.12
SUBTOTAL:		736	456	107.75	120.00	120.00	120.00	120.00	120.00
INDUSTRY WATERWORKS SYSTEM, CITY OF (1)									
1902581	1	2,887	1,790	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

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
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	1.59	712.00	712.00	712.00	712.00	712.00
SUBTOTAL:		11,114	6,890	1.59	712.00	712.00	712.00	712.00	712.00
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 (1)									
1901459	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901460	2	2,016	1,250	932.23	1,840.00	1,840.00	1,840.00	1,840.00	1,840.00
1902859	3	2,016	1,250	1,236.77	541.18	541.18	541.18	541.18	541.18
8000062	4	807	500	0.00	865.88	865.88	865.88	865.88	865.88
8000209	5	NA	NA	1,623.79	432.94	432.94	432.94	432.94	432.94
SUBTOTAL:		4,839	3,000	3,792.79	3,680.00	3,680.00	3,680.00	3,680.00	3,680.00
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
HANSON AGGREGATES WEST, INC. (LIVINGSTON-GRAHAM)									
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	186.96	199.94	233.27	266.59	299.91	333.24
1901493	3 EL	4,563	2,829	91.37	97.71	114.00	130.29	146.57	162.86
1903006	4 EL	356	221	2.19	2.34	2.73	3.12	3.51	3.90
SUBTOTAL:		8,221	5,097	280.52	300.00	350.00	400.00	450.00	500.00
LOS ANGELES, COUNTY OF									
1902579	1 WHI	2,710	1,680	946.63	940.04	940.04	940.04	940.04	940.04
1902580	2	1,697	1,052	0.00	0.00	0.00	0.00	0.00	0.00
1902663	3	566	351	0.00	0.00	0.00	0.00	0.00	0.00
1902664	4	832	516	0.00	0.00	0.00	0.00	0.00	0.00
1902665	5	652	404	327.55	325.27	325.27	325.27	325.27	325.27
1902666	6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000070	1 SF	3,349	2,076	891.90	885.69	885.69	885.69	885.69	885.69
8000074	2 SF	458	284	30.29	30.08	30.08	30.08	30.08	30.08
8000088	B RED	174	108	49.89	49.54	49.54	49.54	49.54	49.54
8000089	N LK	1,323	820	1,133.86	1,125.96	1,125.96	1,125.96	1,125.96	1,125.96
8000090	600	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
11902158	BN PK	2,087	1,294	0.00	0.00	0.00	0.00	0.00	0.00
8000150	3A	1,936	1,200	252.44	250.68	250.68	250.68	250.68	250.68
NA	WNOU	NA	NA	1,906.01	1,892.74	1,892.74	1,892.74	1,892.74	1,892.74
SUBTOTAL:		15,783	9,785	5,538.57	5,500.00	5,500.00	5,500.00	5,500.00	5,500.00
LOS FLORES MUTUAL WATER COMPANY									

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
11902098	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
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
MILLER BREWERIES WEST, L.P. (MILLER BREWING COMPANY)									
8000034		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000075	1	5,533	3,430	12.56	20.00	20.00	20.00	20.00	20.00
8000076	2	5,533	3,430	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		11,065	6,860	12.56	20.00	20.00	20.00	20.00	20.00
MONROVIA, CITY OF (1)									
1900417	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900418	2	3,549	2,200	845.68	950.18	961.17	972.15	983.14	994.12
1900419	3	2,581	1,600	1,020.19	1,146.26	1,159.51	1,172.76	1,186.01	1,199.26
1900420	4	3,226	2,000	1,116.19	1,254.12	1,268.62	1,283.12	1,297.62	1,312.11
1940104	5	4,678	2,900	2,596.33	2,917.16	2,950.89	2,984.61	3,018.34	3,052.06
8000171	6	4,516	2,800	2,120.27	2,382.28	2,409.82	2,437.36	2,464.90	2,492.44
SUBTOTAL:		18,550	11,500	7,698.66	8,650.00	8,750.00	8,850.00	8,950.00	9,050.00
MONROVIA NURSERY									
1902456	DIV 4	NA	NA	0.39	20.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.39	20.00	0.00	0.00	0.00	0.00
MONTEREY PARK, CITY OF (1)									
1900453	1	1,613	1,000	211.82	260.74	263.44	266.15	266.15	266.15

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1900454	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900455	3	1,532	950	252.82	311.21	314.44	317.67	317.67	317.67
1900456	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900457	5	2,903	1,800	1,890.25	2,326.82	2,350.94	2,375.11	2,375.11	2,375.11
1900458	6	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1902372	7	1,290	800	417.15	513.49	518.82	524.15	524.15	524.15
1902373	8	2,903	1,800	14.50	17.85	18.03	18.22	18.22	18.22
1902690	9	2,903	1,800	9.00	11.08	11.19	11.31	11.31	11.31
1902818	10	2,903	1,800	1,772.68	2,182.10	2,204.72	2,227.38	2,227.38	2,227.38
1903033	12	3,226	2,000	3,302.19	4,064.86	4,107.00	4,149.22	4,149.22	4,149.22
1903092	14	1,129	700	0.00	0.00	0.00	0.00	0.00	0.00
8000126	FERN	1,613	1,000	169.24	208.33	210.49	212.65	212.65	212.65
8000196	15	3,226	2,000	1,441.58	1,774.53	1,792.92	1,811.35	1,811.35	1,811.35
SUBTOTAL:		26,211	16,250	9,481.23	11,671.00	11,792.00	11,913.21	11,913.21	11,913.21
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
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
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
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS (QUEEN OF THE VALLEY HOSPITAL)									
8000138	NA	NA	NA	25.30	25.00	25.00	25.00	25.00	25.00
SUBTOTAL:		NA	NA	25.30	25.00	25.00	25.00	25.00	25.00
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

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
WORKMAN MILL INVESTMENT COMPANY (RINCON DITCH COMPANY)									
1902790	4	2,153	1,335	92.29	100.00	100.00	100.00	100.00	100.00
SUBTOTAL:		2,153	1,335	92.29	100.00	100.00	100.00	100.00	100.00
WORKMAN MILL INVESTMENT COMPANY (RINCON IRRIGATION COMPANY)									
1900132	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
11900095	2	1,428	885	0.04	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,428	885	0.04	0.00	0.00	0.00	0.00	0.00
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)									
1900052	3	1,192	739	0.05	0.05	0.05	0.05	0.05	0.05
1900094	1	673	417	391.85	399.95	399.95	399.95	399.95	399.95
SUBTOTAL:		1,865	1,156	391.90	400.00	400.00	400.00	400.00	400.00
RURBAN HOMES MUTUAL WATER COMPANY (1)									
1900120	1-NORTH	484	300	109.28	59.15	59.15	59.15	59.15	59.15
1900121	2-SOUTH	484	300	110.56	59.85	59.85	59.85	59.85	59.85
SUBTOTAL:		968	600	219.84	119.00	119.00	119.00	119.00	119.00
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.									
8000151	NA	NA	NA	65.95	70.00	80.00	80.00	80.00	80.00
SUBTOTAL:		NA	NA	65.95	70.00	80.00	80.00	80.00	80.00
SAN GABRIEL COUNTRY CLUB									
1900547	1	NA	NA	0.14	16.51	16.51	16.51	16.51	16.51
1902979	2	750	465	296.18	283.49	283.49	283.49	283.49	283.49
SUBTOTAL:		750	465	296.32	300.00	300.00	300.00	300.00	300.00
SAN GABRIEL COUNTY WATER DISTRICT (1)									
1901669	5 BRA	1,613	1,000	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	1,048	650	955.59	1,330.00	1,330.00	1,330.00	1,330.00	1,330.00
1901672	8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902785	9	2,258	1,400	2,079.41	2,100.00	2,100.00	2,100.00	2,100.00	2,100.00
1902786	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000067	11	1,532	950	721.86	1,090.00	1,110.00	1,130.00	1,150.00	1,170.00
8000123	12	3,387	2,100	1,827.20	1,770.00	1,790.00	1,810.00	1,830.00	1,850.00
8000133	14	3,549	2,200	1,458.04	1,295.00	1,315.00	1,335.00	1,355.00	1,375.00
SUBTOTAL:		13,388	8,300	7,042.10	7,585.00	7,645.00	7,705.00	7,765.00	7,825.00
SAN GABRIEL VALLEY WATER COMPANY (1)									
1900725	G4A	1,855	1,150	451.60	850.00	850.00	850.00	850.00	850.00
1900733	5A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902635	B1	1,815	1,125	0.00	0.00	0.00	0.00	0.00	0.00
8000112	B5C	3,186	1,975	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
211900729	1B	2,742	1,700	14.28	500.00	500.00	550.00	550.00	550.00
11902946	1C	2,452	1,520	96.82	50.00	50.00	50.00	50.00	50.00
18000081	1B4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
18000082	1B5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
18000102	1D	4,678	2,900	1,657.38	350.00	350.00	350.00	350.00	350.00
21900749	2C	1,924	1,193	0.00	0.00	0.00	0.00	0.00	0.00
21902857	2D	3,226	2,000	604.42	350.00	350.00	350.00	350.00	350.00
28000065	2E	4,436	2,750	1,542.85	500.00	500.00	500.00	500.00	500.00
31900736	8A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
31900746	8B	2,016	1,250	285.28	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00
31900747	8C	2,097	1,300	136.45	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
31903103	8D	5,000	3,100	1,273.20	1,650.00	1,650.00	1,650.00	1,650.00	1,650.00
38000113	8E	4,839	3,000	63.91	600.00	600.00	600.00	600.00	600.00
41900739	11A	4,436	2,750	2,388.01	325.00	325.00	325.00	325.00	325.00
41900745	11B	2,984	1,850	1,018.11	725.00	725.00	725.00	725.00	725.00
41902713	11C	1,742	1,080	172.58	325.00	325.00	325.00	325.00	325.00
48000083	11B7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
51902858	B4B	3,629	2,250	0.00	0.00	0.00	0.00	0.00	0.00
51902947	B4C	3,629	2,250	0.00	0.00	0.00	0.00	0.00	0.00
61900718	B5A	3,065	1,900	0.00	0.00	0.00	0.00	0.00	0.00
61900719	B5B	5,323	3,300	3,629.87	5,200.00	5,200.00	5,200.00	5,200.00	5,200.00
71900721	B6B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
71903093	B6C	3,226	2,000	0.64	50.00	50.00	50.00	50.00	50.00
78000084	B6B2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
78000098	B6D	3,226	2,000	1.28	50.00	50.00	50.00	50.00	50.00
81902525	B2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000122	B7E	968	600	551.79	300.00	300.00	300.00	300.00	300.00
91901435		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
91901436	B8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
91901437	B9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
91901439	B11A	968	600	0.00	475.00	475.00	475.00	475.00	475.00
91901440	B7B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
98000068	B7C	3,791	2,350	2,337.78	1,100.00	1,100.00	1,100.00	1,100.00	1,100.00
98000094	B7D	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
98000099	B9B	1,613	1,000	717.65	500.00	500.00	500.00	500.00	500.00
98000108	B11B	4,033	2,500	1,656.17	875.00	875.00	875.00	875.00	875.00
8000172	1E	5,283	3,275	3,529.18	500.00	500.00	500.00	500.00	500.00
8000160	B5D	4,839	3,000	985.10	200.00	200.00	200.00	200.00	200.00
8000169	8F	5,646	3,500	229.33	200.00	200.00	200.00	200.00	200.00
NA	G4B	NA	NA		0.00	0.00	0.00	0.00	0.00
NA	1F	NA	NA		350.00	350.00	350.00	350.00	350.00
8000197	2F	NA	2,200	2,273.24	500.00	500.00	500.00	500.00	500.00
NA	B11C	3,226	2,000		0.00	0.00	0.00	0.00	0.00
8000203	B24A	4,033	2,500	474.12	850.00	850.00	1,200.00	1,200.00	1,200.00
8000204	B24B	4,033	2,500	610.87	850.00	850.00	1,200.00	1,200.00	1,200.00
8000187	B25A	4,516	2,800	2,104.47	4,400.00	4,400.00	4,400.00	4,400.00	4,400.00
8000188	B25B	4,516	2,800	1,908.90	4,400.00	4,400.00	4,400.00	4,400.00	4,400.00
8000189	B26A	1,774	1,100	1,817.21	1,600.00	1,600.00	1,600.00	1,600.00	1,600.00
8000190	B26B	1,774	1,100	2,152.89	1,600.00	1,600.00	1,600.00	1,600.00	1,600.00
8000205	B5E	5,565	3,450	4,834.72	5,200.00	5,200.00	5,200.00	5,200.00	5,200.00
NA	11D				725.00	725.00	725.00	725.00	725.00
SUBTOTAL:		128,101	81,618	39,520.10	38,700.00	38,700.00	39,450.00	39,450.00	39,450.00
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									
8000124	1	NA	NA	19.74	34.82	34.82	34.82	34.82	34.82
8000125	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000192	15 OFFSITE	NA	NA	12.81	15.18	15.18	15.18	15.18	15.18
SUBTOTAL:		NA	NA	32.55	50.00	50.00	50.00	50.00	50.00
SIERRA MADRE, CITY OF									
8000193	NA	NA	NA	0.38	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.38	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SONOCO PRODUCTS COMPANY									
1902786	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902971	2	NA	NA	132.63	150.00	150.00	150.00	150.00	150.00
SUBTOTAL:		NA	NA	132.63	150.00	150.00	150.00	150.00	150.00
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	1,290	800	565.80	782.57	782.57	782.57	782.57	782.57
1901681	2 WIL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901682	3 WIL	3,387	2,100	3,132.40	2,618.14	2,618.14	2,618.14	2,618.14	2,618.14
1903086	4 WIL	1,774	1,100	1,199.26	1,371.41	1,371.41	1,371.41	1,371.41	1,371.41
SUBTOTAL:		6,452	4,000	4,897.46	4,772.12	4,772.12	4,772.12	4,772.12	4,772.12
SOUTHERN CALIFORNIA EDISON COMPANY									
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	0.43	0.47	0.47	0.47	0.47	0.47
8000047	MURAT	2,420	1,500	109.00	119.53	119.53	119.53	119.53	119.53
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	109.43	120.00	120.00	120.00	120.00	120.00
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT (1)									
1902148	BAS-3	968	600	441.76	663.76	663.76	663.76	663.76	663.76
1902149	BAS-4	1,210	750	678.07	1,018.82	1,018.82	1,018.82	1,018.82	1,018.82
1902150	HWY	1,129	700	1,123.04	1,687.40	1,687.40	1,687.40	1,687.40	1,687.40
1902151	ART-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902152	ART-2	484	300	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	0.00	0.00	0.00	0.00	0.00	0.00
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	118.03	177.34	177.34	177.34	177.34	177.34
1902842	ART-3	403	250	480.38	721.78	721.78	721.78	721.78	721.78
31902287	MALON	605	375	486.45	730.90	730.90	730.90	730.90	730.90
SUBTOTAL:		6,533	4,050	3,327.73	5,000.00	5,000.00	5,000.00	5,000.00	5,000.00
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL DISTRICT (1)									
1900510	1 S G	1,774	1,100	1,357.27	830.52	832.15	833.79	835.43	837.07
1900511	2 S G	1,452	900	0.00	0.00	0.00	0.00	0.00	0.00
1900512	2 GAR	327	203	0.00	0.00	0.00	0.00	0.00	0.00
1900513	1 GAR	321	199	0.00	0.00	0.00	0.00	0.00	0.00
1900514	3 SAX	565	350	367.50	224.87	225.32	225.76	226.20	226.65
1900515	1 SAX	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000146	4 SAX	1,532	950	1,111.61	680.20	681.54	682.88	684.22	685.56
1902144	1 EAR	589	365	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	687.31	420.57	421.40	422.22	423.05	423.88
1902027	1 PER	697	432	92.63	56.68	56.79	56.90	57.02	57.13
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

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1902032	1 GID	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902034	1 FAR	1,936	1,200	362.33	221.71	222.15	222.58	223.02	223.46
1902035	2 ENC	968	600	262.33	160.52	160.84	161.15	161.47	161.79
1902461	2 GRA	494	306	0.00	0.00	0.00	0.00	0.00	0.00
1902948	2 FAR	1,210	750	270.79	165.70	166.02	166.35	166.68	167.00
8000073	3 ENC	1,048	650	334.76	204.84	205.24	205.65	206.05	206.46
8000111	4 JEF	2,097	1,300	1,785.25	1,092.40	1,094.55	1,096.71	1,098.86	1,101.01
SUBTOTAL:		10,384	6,438	6,631.78	4,058.00	4,066.00	4,074.00	4,082.00	4,090.00
STERLING MUTUAL WATER COMPANY									
1902085	SOUTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902096	NORTH	397	246	66.08	81.69	81.69	81.69	81.69	81.69
8000132	NEW SO	NA	NA	55.25	68.31	68.31	68.31	68.31	68.31
SUBTOTAL:		397	246	121.33	150.00	150.00	150.00	150.00	150.00
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	2,049	1,270	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	3,123	1,936	0.00	0.00	0.00	0.00	0.00	0.00
1901433	201W4	4,083	2,531	545.46	0.00	0.00	0.00	0.00	0.00
1901434	201W6	3,302	2,047	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	4,049	2,510	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	1,774	1,100	0.00	0.00	0.00	0.00	0.00	0.00
8000069	139W4	4,749	2,944	0.00	0.00	0.00	0.00	0.00	0.00
8000077	147W3	1,860	1,153	1,568.28	1,687.33	1,687.33	1,687.33	1,687.33	1,687.33
8000087	125W2	1,286	797	0.00	0.00	0.00	0.00	0.00	0.00
8000092	126W2	1,234	765	0.00	0.00	0.00	0.00	0.00	0.00
8000093	140W4	4,286	2,657	0.00	0.00	0.00	0.00	0.00	0.00
8000145	140W5	6,468	4,010	1,794.05	1,568.17	1,568.17	1,568.17	1,568.17	1,568.17
8000095	139W5	5,323	3,300	0.00	0.00	0.00	0.00	0.00	0.00
8000152	139W6	5,647	3,501	0.00	0.00	0.00	0.00	0.00	0.00
11902518	151W1	5,162	3,200	0.00	0.00	0.00	0.00	0.00	0.00
21902518	151W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
31902819	155W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
31902820	155W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
41901605	101W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
41901607	103W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000181	121W1	3,624	2,247	1,864.67	2,630.26	2,630.26	2,630.26	2,630.26	2,630.26
8000183	142W2	4,194	2,600	3,325.80	3,806.13	3,806.13	3,806.13	3,806.13	3,806.13
8000195	201W7	4,615	2,861	4,557.95	4,188.51	4,188.51	4,188.51	4,188.51	4,188.51
8000198	201W8	4,263	2,643	4,426.09	3,868.67	3,868.67	3,868.67	3,868.67	3,868.67
8000207	151W2	5,162	3,200	4,301.37	4,683.87	4,683.87	4,683.87	4,683.87	4,683.87
8000208	201W9	4,121	2,555	4,463.06	3,739.72	3,739.72	3,739.72	3,739.72	3,739.72
	201W10	NA	NA	234.90	2,489.84	2,489.84	2,489.84	2,489.84	2,489.84
SUBTOTAL:		80,371	49,827	27,081.63	28,662.50	28,662.50	28,662.50	28,662.50	28,662.50
SUNNY SLOPE WATER COMPANY (1)									
1900026	8	2,932	1,818	1,007.60	1,047.22	1,122.03	1,196.83	1,271.63	1,294.07
1902792	9	3,094	1,918	1,456.47	1,513.75	1,621.87	1,729.99	1,838.12	1,870.56
8000048	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000157	13	3,060	1,897	627.36	652.03	698.60	745.18	791.75	805.72
SUBTOTAL:		9,086	5,633	3,091.43	3,213.00	3,442.50	3,672.00	3,901.50	3,970.35
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
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									
1900106	IRW-1	NA	NA	264.38	285.76	317.52	349.27	381.02	317.52
1902532	SIERRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903062	IRW-2	NA	NA	568.27	614.24	682.48	750.73	818.98	682.48
SUBTOTAL:		NA	NA	832.65	900.00	1,000.00	1,100.00	1,200.00	1,000.00
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 (1)									
8000051	1	524	325	992.44	206.82	206.82	226.70	228.30	232.27
8000052	2	526	326	0.00	236.36	236.36	259.09	260.91	265.45
8000054	4	NA	NA	0.00	265.91	265.91	291.48	293.52	298.64
8000055	3A	205	127	0.00	0.00	0.00	0.00	0.00	0.00
8000120	5	1,613	1,000	0.00	590.91	590.91	647.73	652.27	663.64
8000180	6	1,331	825						
SUBTOTAL:		4,199	2,603	992.44	1,300.00	1,300.00	1,425.00	1,435.00	1,460.00
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

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
1901438	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
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 (1)									
1900027	E MAIN	3,387	2,100	2,022.04	2,057.33	2,077.86	2,098.87	2,119.76	2,140.90
1900028	W MAIN	2,178	1,350	1,020.62	1,038.43	1,048.79	1,059.40	1,069.94	1,080.61
1900029	MORADA	1,936	1,200	0.00	0.00	0.00	0.00	0.00	0.00
1900031	PADDY	2,360	1,463	0.00	0.00	0.00	0.00	0.00	0.00
1900032	E NIXON (JOAN)	5,162	3,200	3,101.49	3,155.62	3,187.10	3,219.33	3,251.38	3,283.80
1900034	ARROW	4,839	3,000	0.00	0.00	0.00	0.00	0.00	0.00
1900035	B DAL	4,839	3,000	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)	5,242	3,250	2,318.08	2,358.54	2,382.07	2,406.16	2,430.11	2,454.34
8000039	PALM	1,194	740	0.00	0.00	0.00	0.00	0.00	0.00
8000060	LANTE (SA1-3)	5,484	3,400	3,528.56	3,590.15	3,625.96	3,662.63	3,699.09	3,735.97
8000185	SA1-1	5,484	3,400	1,587.17	1,614.87	1,630.98	1,647.48	1,663.87	1,680.46
8000186	SA1-2	3,871	2,400	2,973.16	3,025.05	3,055.23	3,086.13	3,116.85	3,147.92
SUBTOTAL:		45,975	28,503	16,551.12	16,840.00	17,008.00	17,180.00	17,351.00	17,524.00
VALLEY VIEW MUTUAL WATER COMPANY (1)									
1900363	1	768	476	42.00	43.08	43.08	43.08	43.08	43.08
1900364	2	310	192	585.88	600.92	600.92	600.92	600.92	600.92
1900365	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,077	668	627.88	644.00	644.00	644.00	644.00	644.00
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									
8000191	NA	NA	NA	3.32	3.00	3.00	3.00	3.00	3.00
SUBTOTAL		NA	NA	3.32	3.00	3.00	3.00	3.00	3.00
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	856.94	791.72	791.72	791.72	791.72	791.72
8000021	FROM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000071	15	5,968	3,700	484.54	447.66	447.66	447.66	447.66	447.66
8000110	16	5,968	3,700	4,391.38	4,057.17	4,057.17	4,057.17	4,057.17	4,057.17
8000135	17	6,452	4,000	0.00	0.00	0.00	0.00	0.00	0.00
8000136	18	6,452	4,000	0.00	0.00	0.00	0.00	0.00	0.00
8000200	EW4-5	4,355	2,700	845.18	780.86	780.86	780.86	780.86	780.86
8000201	EW4-6	4,516	2,800	906.34	837.36	837.36	837.36	837.36	837.36
8000202	EW4-7	4,516	2,800	579.32	535.23	535.23	535.23	535.23	535.23
SUBTOTAL:		26,615	16,500	8,063.70	7,450.00	7,450.00	7,450.00	7,450.00	7,450.00
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

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2009-10 TO 2013-14

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2008-09 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2009-10	2010-11	2011-12	2012-13	2013-14
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COINER, JAMES W., DBA COINER NURSERY (WOODLAND FARMS INC.)									
1902951	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903072	5R	NA	NA	91.87	90.00	90.00	90.00	90.00	90.00
SUBTOTAL:		NA	NA	91.87	90.00	90.00	90.00	90.00	90.00
TOTAL		**673,021**	**420,948**	**236,715.72**	**248,348.25**	**253,249.18**	**256,432.89**	**258,189.90**	**259,397.77**

NOTES : GROUNDWATER PRODUCTION AND DEMANDS IN ACRE-FEET
GPM : GALLONS PER MINUTE
NA : NOT AVAILABLE
(1) PROJECTED GROUND-WATER DEMANDS PROVIDED BY PRODUCER

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)	REMARKS
			2008-09	2013-14		
ADAMS RANCH MUTUAL WATER COMPANY						
01	1902106	INACTIVE	177.37	177.59	0.22	
02	1902689	INACTIVE				
03	8000182	ACTIVE				
ALHAMBRA, CITY OF						
MOEL (08)	1900010	ACTIVE	140.59	139.21	-1.38	PRODUCTION INCREASED
09	1900011	ACTIVE	136.63	135.30	-1.33	PRODUCTION INCREASED
10	1900012	ACTIVE	142.06	140.87	-1.19	PRODUCTION INCREASED
12	1900013	INACTIVE	141.07	140.25	-0.82	
13	1900014	ACTIVE	146.37	145.26	-1.11	PRODUCTION INCREASED
14	1900015	ACTIVE	138.69	135.88	-2.81	PRODUCTION INCREASED
15	1900016	ACTIVE	150.22	149.06	-1.16	PRODUCTION INCREASED
LON 1	1903014	ACTIVE	132.50	126.99	-5.51	PRODUCTION INCREASED
LON 2	1900017	ACTIVE				
GARF	1900018	INACTIVE	140.59	140.16	-0.43	
11	1903014	ACTIVE	139.59	137.53	-2.06	PRODUCTION INCREASED
07	1903097	STANDBY	140.09	138.50	-1.59	PRODUCTION INCREASED
AMARILLO MUTUAL WATER COMPANY						
01	1900791	ACTIVE	171.89	170.31	-1.58	PRODUCTION INCREASED
02	1900792	ACTIVE				
ARCADIA, CITY OF						
LON 1	1901013	ACTIVE	210.52	209.08	-1.44	PRODUCTION INCREASED
LON 2	1901014	ACTIVE	210.93	209.02	-1.91	PRODUCTION INCREASED
CAM REAL 1	1902077	INACTIVE	204.83	204.85	0.02	
CAM REAL 2	1902078	INACTIVE				
ST JO 2	8000177	ACTIVE	208.94	209.06	0.12	
BAL 2	1902791	ACTIVE	186.42	186.08	-0.34	
PECK 1	1902854	ACTIVE	207.09	207.96	0.87	
L OAK 1	8000127	ACTIVE	201.93	203.93	2.00	PRODUCTION REDUCED
AZUSA, CITY OF (AZUSA AGRICULTURE WATER COMPANY, AZUSA VALLEY WATER COMPANY)						
05 (01)	1902533	ACTIVE	596.66	596.07	-0.59	
06 (03)	1902535	ACTIVE	598.31	597.32	-0.99	
GENESIS 1 (04)	1902536	DESTROYED	258.14	258.13	-0.01	
GENESIS 2 (05)	1902537	DESTROYED	253.10	253.08	-0.02	
GENESIS 3 (06)	1902538	DESTROYED	258.92	258.92	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)	REMARKS
			2008-09	2013-14		
01 (07)	8000072	ACTIVE	614.58	612.56	-2.02	PRODUCTION INCREASED
03 (08)	8000086	ACTIVE	615.85	615.22	-0.63	
02 (1 NORTH)	1902457	ACTIVE	613.83	613.12	-0.71	
04 (2 SOUTH)	1902458	ACTIVE	612.37	611.54	-0.83	
AVWC 01	1902113	DESTROYED	238.08	238.00	-0.08	
AVWC 02	1902114	DESTROYED	245.11	245.09	-0.02	
08 (AVWC 04)	1902115	ACTIVE	597.10	596.15	-0.95	
07 (AVWC 05)	1902116	ACTIVE	595.96	595.12	-0.84	
09 (AVWC 06)	1902117	INACTIVE	254.02	254.02	0.00	
10 (AVWC 08)	8000103	ACTIVE	252.87	252.86	-0.01	
11	8000178	ACTIVE	619.77	618.86	-0.91	
12	8000179	ACTIVE	625.11	624.77	-0.34	
BASELINE WATER COMPANY						
01	1901200	INACTIVE	973.77	973.47	-0.30	
02	1901201	INACTIVE				
03	1901202	INACTIVE	976.76	976.49	-0.27	
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM						
STA FE	1900354	ACTIVE	227.50	227.02	-0.48	
B V	1900355	ACTIVE	224.07	223.70	-0.37	
MT AVE	1900356	DESTROYED	222.33	222.08	-0.25	
FISH C	1900358	ACTIVE	622.78	621.69	-1.09	PRODUCTION INCREASED
WILEY	1902907	ACTIVE	605.91	603.92	-1.99	PRODUCTION INCREASED
CR HV	1903018	ACTIVE	231.02	230.11	-0.91	
ENCANTO	8000139	ACTIVE	610.40	609.09	-1.31	PRODUCTION INCREASED
LAS L2	8000140	ACTIVE	604.23	603.33	-0.90	
BACON	1900497	ACTIVE	605.92	605.29	-0.63	
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM						
GUESS	1900918	ACTIVE	174.35	174.28	-0.07	
MIVW 2	1900920	ACTIVE	174.99	174.69	-0.30	
RIC 1	1900921	INACTIVE	165.43	165.06	-0.37	
IVAR 1	1900923	ACTIVE	177.09	176.27	-0.82	
GRAND	1900926	ACTIVE	167.19	166.92	-0.27	
ROSEMEAD	1900927	ACTIVE	166.27	165.96	-0.31	

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)	REMARKS
			2008-09	2013-14		
ROANOKE	1900934	ACTIVE	139.79	139.14	-0.65	
LONGDEN	1900935	ACTIVE	135.53	132.54	-2.99	IMPACT FROM SGCWD EXTRACTION
BR 1	1901441	INACTIVE	190.37	190.27	-0.10	
HOWLAND	1902424	ACTIVE	186.68	186.65	-0.03	
BR 2	1902787	INACTIVE	188.44	188.29	-0.15	
MAR 3	1903019	ACTIVE	184.29	184.03	-0.26	
DELMAR	1903059	ACTIVE	131.49	128.55	-2.94	PRODUCTION INCREASED
HALL 2	8000175	ACTIVE	190.93	190.78	-0.15	
CALIFORNIA COUNTRY CLUB						
ARTES	1902531	STANDBY	213.00	213.53	0.53	
SYCAMORE	1903084	STANDBY	212.75	213.25	0.50	
CALIFORNIA DOMESTIC WATER COMPANY						
02	1901181	ACTIVE	206.59	203.92	-2.67	PRODUCTION INCREASED
06	1902967	ACTIVE	204.08	200.06	-4.02	PRODUCTION INCREASED
03	1903057	ACTIVE	202.41	198.12	-4.29	PRODUCTION INCREASED
08	1903081	ACTIVE	208.51	206.57	-1.94	PRODUCTION INCREASED
05A	8000100	ACTIVE	205.10	201.39	-3.71	PRODUCTION INCREASED
14	8000174	ACTIVE	205.84	202.62	-3.22	PRODUCTION INCREASED
CHAMPION MUTUAL WATER COMPANY						
02 03	1902816 8000121	ACTIVE ACTIVE	212.14	215.26	3.12	IMPACT FROM SGVWC EXTRACTION
VULCAN MATERIALS COMPANY (CALMAT COMPANY)						
DUR E DUR W	1902920 8000063	ACTIVE ACTIVE	225.82	225.63	-0.19	
REL 1	1903088	ACTIVE	239.76	239.32	-0.44	
COVINA, CITY OF						
01	1901685	INACTIVE	272.54	272.51	-0.03	
02 (GRAND)	1901686	ACTIVE	361.22	361.21	-0.01	
COVINA IRRIGATING COMPANY						
CONTR	1900881	STANDBY	252.24	252.23	-0.01	
BAL 3	1900882	ACTIVE	231.41	231.04	-0.37	
BAL 1 BAL 2	1900885 1900883	ACTIVE ACTIVE	231.67	231.15	-0.52	
VALEN	1900880	INACTIVE	509.07	509.06	-0.01	

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)	REMARKS
			2008-09	2013-14		
CROWN CITY PLATING COMPANY						
01	8000012	ACTIVE	185.76	185.77	0.01	
DEL RIO MUTUAL WATER COMPANY						
BURKETT	1900331	ACTIVE	208.13	209.11	0.98	
DRIFTWOOD DAIRY						
01	1902924	ACTIVE	197.10	197.55	0.45	
EAST PASADENA WATER COMPANY, LTD.						
09	1901508	ACTIVE	176.81	175.98	-0.83	
EL MONTE, CITY OF						
02A	1901692	ACTIVE	196.39	196.25	-0.14	
03	1901693	INACTIVE	197.97	197.89	-0.08	
04	1901694	INACTIVE	199.18	199.08	-0.10	
05	1901695	INACTIVE	194.42	194.39	-0.03	
10	1901699	STANDBY	200.42	200.28	-0.14	
MT VW	1902612	DESTROYED	207.04	207.71	0.67	
12	1903137	STANDBY	193.55	193.33	-0.22	
13	8000101	ACTIVE	193.72	193.50	-0.22	
GLENDORA, CITY OF						
11-E	1900826	ACTIVE	547.38	547.23	-0.15	
08-E 09-E 12-G	1900829 1900830 1900827	ACTIVE ACTIVE ACTIVE	604.15	600.41	-3.74	PRODUCTION INCREASED
10-E	1900828	ACTIVE	554.11	553.95	-0.16	
07-G	1900831	INACTIVE	252.89	252.88	-0.01	
01-E 13-E	1901523 8000184	ACTIVE ACTIVE	562.55	562.27	-0.28	
02-E	1901526	ACTIVE	563.46	563.22	-0.24	
03-G 04-E	1901525 1901524	INACTIVE INACTIVE	247.26	247.25	-0.01	
05-E	8000149	ACTIVE	609.79	607.32	-2.47	PRODUCTION INCREASED
HARTLEY, DAVID						
NA	8000085	ACTIVE	660.65	660.62	-0.03	
HEMLOCK MUTUAL WATER COMPANY						
NORTH SOUTH	1901178 1902806	ACTIVE ACTIVE	214.84	215.99	1.15	IMPACT FROM SGVWC EXTRACTION

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)	REMARKS
			2008-09	2013-14		
INDUSTRY WATERWORKS SYSTEM, CITY OF						
01	1902581	INACTIVE	214.38	213.36	-1.02	IMPACT FROM BPOU EXTRACTION
03	8000078	STANDBY				
04	8000096	ACTIVE				
02	1902582	INACTIVE	214.79	213.72	-1.07	BPOU EXTRACTION
05	8000097	ACTIVE				
LA PUENTE VALLEY COUNTY WATER DISTRICT						
02	1901460	ACTIVE	224.56	223.68	-0.88	
04	8000062	ACTIVE				
03	1902859	ACTIVE	223.93	224.67	0.74	
05	NA	ACTIVE				
HANSON AGGREGATES WEST, INC. (LIVINGSTON-GRAHAM)						
EL 4	1903006	ACTIVE	222.20	221.89	-0.31	
EL 1	1901492	ACTIVE	222.57	222.10	-0.47	
EL 3	1901493	ACTIVE				
LOS ANGELES, COUNTY OF						
KEY WELL	3030F	MONITORING	228.71	228.63	-0.08	
WHI 1	1902579	ACTIVE	181.61	181.86	0.25	
02	1902580	ACTIVE	188.74	188.74	0.00	
03A	8000150	ACTIVE	181.15	180.70	-0.45	
04	1902664	ACTIVE	179.75	178.86	-0.89	
05	1902665	ACTIVE	178.55	177.16	-1.39	IMPACT FROM BPOU EXTRACTION
06	1902666	INACTIVE	178.05	177.21	-0.84	
SF 1	8000070	ACTIVE	235.20	235.13	-0.07	
BIG RED	8000088	ACTIVE	192.99	192.80	-0.19	
NEW LAKE	8000089	ACTIVE	179.26	179.69	0.43	
MILLER BREWERIES WEST, L.P. (MILLER BREWING COMPANY)						
01	8000075	ACTIVE	237.35	237.20	-0.15	
02	8000076	ACTIVE	236.85	236.64	-0.21	
MONROVIA, CITY OF						
02	1900418	ACTIVE	208.82	207.40	-1.42	PRODUCTION INCREASED
03	1900419	ACTIVE				
04	1900420	ACTIVE	214.32	213.20	-1.12	PRODUCTION INCREASED
05	1940104	ACTIVE	210.39	208.86	-1.53	PRODUCTION INCREASED
06	8000171	ACTIVE	209.08	207.67	-1.41	PRODUCTION INCREASED
MONROVIA NURSERY						

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)	REMARKS
			2008-09	2013-14		
DIV 4	1902456	ACTIVE	509.07	509.06	-0.01	
MONTEREY PARK, CITY OF						
01	1900453	ACTIVE	164.30	162.50	-1.80	PRODUCTION INCREASED
03	1900455	ACTIVE	158.35	156.10	-2.25	PRODUCTION INCREASED
05	1900457	ACTIVE	149.22	145.44	-3.78	PRODUCTION INCREASED
06	1900458	ACTIVE	160.03	157.94	-2.09	PRODUCTION INCREASED
07	1902372	ACTIVE	176.79	175.39	-1.40	PRODUCTION INCREASED
08	1902373	ACTIVE	178.74	177.35	-1.39	PRODUCTION INCREASED
09	1902690	ACTIVE	176.53	175.08	-1.45	PRODUCTION INCREASED
10	1902818	ACTIVE	146.18	143.28	-2.90	PRODUCTION INCREASED
12	1903033	ACTIVE	174.30	172.44	-1.86	PRODUCTION INCREASED
14	1903092	ACTIVE	172.85	171.86	-0.99	
FERN	8000126	ACTIVE	158.18	155.90	-2.28	PRODUCTION INCREASED
15	8000196	ACTIVE	178.32	176.89	-1.43	PRODUCTION INCREASED
OWL ROCK PRODUCTS COMPANY						
NA	1902241	ACTIVE	226.47	226.33	-0.14	
NA	1903119	ACTIVE	617.74	616.01	-1.73	IMPACT FROM AZUSA EXTRACTION
POLOPOLUS ET AL.						
01	1902169	INACTIVE	229.85	229.73	-0.12	
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS (QUEEN OF THE VALLEY HOSPITAL)						
NA	8000138	ACTIVE	230.79	230.55	-0.24	
WORKMAN MILL INVESTMENT COMPANY (RINCON DITCH COMPANY)						
04	1902790	ACTIVE	183.23	183.57	0.34	
WORKMAN MILL INVESTMENT COMPANY (RINCON IRRIGATION COMPANY)						
02	1900095	ACTIVE	185.01	185.21	0.20	
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)						
03	1900052	ACTIVE	184.05	184.32	0.27	
01	1900094	ACTIVE	182.02	182.29	0.27	
RURBAN HOMES MUTUAL WATER COMPANY						
NORTH 1	1900120	ACTIVE	215.89	217.44	1.55	IMPACT FROM SGVWC REDUCTION
SOUTH 2	1900121	ACTIVE				
SAN GABRIEL COUNTRY CLUB						
01	1900547	ACTIVE	142.84	140.41	-2.43	IMPACT FROM SGCWD EXTRACTION

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)	REMARKS
			2008-09	2013-14		
02	1902979	ACTIVE				
SAN GABRIEL COUNTY WATER DISTRICT						
05 BRA	1901669	ACTIVE	171.37	171.35	-0.02	
07	1901671	ACTIVE	135.16	130.80	-4.36	PRODUCTION INCREASED
08	1901672	INACTIVE	138.91	138.46	-0.45	
09	1902785	ACTIVE	150.91	150.22	-0.69	
10	1902786	INACTIVE	158.59	158.13	-0.46	
11	8000067	ACTIVE	160.61	159.39	-1.22	PRODUCTION INCREASED
12	8000123	ACTIVE	161.23	160.61	-0.62	
14	8000133	ACTIVE	150.43	150.14	-0.29	
SAN GABRIEL VALLEY WATER COMPANY						
G4A	1900725	ACTIVE	170.91	169.19	-1.72	PRODUCTION INCREASED
B1	1902635	ACTIVE	200.46	200.50	0.04	
B5A	1900718	ACTIVE	209.08	206.85	-2.23	BPOU EXTRACTION
B5B	1900719	INACTIVE				
B5C	8000112	ACTIVE				
B5D	8000160	ACTIVE	209.62	207.93	-1.69	IMPACT FROM BPOU EXTRACTION
B5E	NA	PLANNED	209.18	207.19	-1.99	BPOU EXTRACTION
B25A	8000187	ACTIVE	212.32	203.37	-8.95	BPOU EXTRACTION
B25B	8000188	ACTIVE				
B26A	8000189	ACTIVE	218.32	218.59	0.27	
B26B	8000190	ACTIVE				
8A	1900736	INACTIVE	180.22	177.98	-2.24	PRODUCTION INCREASED
8B	1900746	ACTIVE				
8C	1900747	ACTIVE				
8E	8000113	ACTIVE				
8D	1903103	ACTIVE	179.99	178.22	-1.77	PRODUCTION INCREASED
8F	8000169	ACTIVE				
1B	1900729	ACTIVE	204.94	212.38	7.44	PRODUCTION REDUCED
1C	1902946	ACTIVE				
1D	8000102	ACTIVE				
1E	8000172	ACTIVE				
2C	1900749	ACTIVE	199.22	201.13	1.91	PRODUCTION REDUCED
2D	1902857	ACTIVE				
2E	8000065	ACTIVE				
2F	8000197	ACTIVE				
11A	1900739	ACTIVE	204.85	209.24	4.39	PRODUCTION REDUCED
11B	1900745	ACTIVE				
11C	1902713	ACTIVE	207.96	209.66	1.70	PRODUCTION REDUCED
B4B	1902858	ACTIVE	219.52	217.35	-2.17	IMPACT FROM BPOU EXTRACTION
B4C	1902947	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)	REMARKS
			2008-09	2013-14		
B6C	1903093	ACTIVE	225.17	224.78	-0.39	
B6D	8000098	ACTIVE				
B7C	8000068	ACTIVE	218.71	220.34	1.63	PRODUCTION REDUCED
B7E	8000122	ACTIVE				
B2	1902525	INACTIVE	199.56	199.53	-0.03	
B11A	1901439	ACTIVE	219.11	219.95	0.84	
B11B	8000108	ACTIVE				
B11C	NA	PLANNED				
B9B	8000099	ACTIVE	220.80	221.52	0.72	
B24A	8000203	ACTIVE	220.98	220.13	-0.85	
B24B	8000204	ACTIVE				
SIERRA LA VERNE COUNTRY CLUB						
01	8000124	ACTIVE	1076.22	1075.86	-0.36	
02	8000125	ACTIVE	1096.19	1095.90	-0.29	
SONOCO PRODUCTS COMPANY						
01	1912786	ACTIVE	217.39	216.52	-0.87	
02	1902971	ACTIVE				
SOUTHERN CALIFORNIA EDISON COMPANY						
110RH	8000046	ACTIVE	225.75	225.60	-0.15	
2EB76	1900343	ACTIVE	220.96	221.46	0.50	
MURAT	8000047	ACTIVE	169.07	168.03	-1.04	IMPACT FROM BPOU EXTRACTION
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT						
BAS-3	1902148	ACTIVE	897.67	894.71	-2.96	PRODUCTION INCREASED
BAS-4	1902149	ACTIVE	879.57	876.35	-3.22	PRODUCTION INCREASED
HIGHWAY	1902150	ACTIVE	889.11	884.13	-4.98	PRODUCTION INCREASED
ART-2	1902152	ACTIVE	896.31	893.61	-2.70	PRODUCTION INCREASED
ART-3	1902842	ACTIVE	883.65	879.76	-3.89	PRODUCTION INCREASED
COL-4	1902268	ACTIVE	536.00	536.00	0.00	
COL-6	1902270	ACTIVE	534.49	534.49	0.00	
COL-7	1902271	ACTIVE	566.92	566.92	0.00	
COL-8	1902272	INACTIVE	745.32	745.20	-0.12	
CITY	1902286	ACTIVE	1029.32	1028.51	-0.81	
MALON	1902287	ACTIVE	995.90	994.45	-1.45	PRODUCTION INCREASED
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL VALLEY DISTRICT						
S G 1	1900510	ACTIVE	146.09	146.20	0.11	
S G 2	1900511					

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)	REMARKS
			2008-09	2013-14		
GAR 1	1900513	ACTIVE	160.97	159.22	-1.75	IMPACT FROM SEMOU EXTRACTION
GAR 2	1900512	ACTIVE				
SAX 1	1900515	ACTIVE	153.92	155.09	1.17	PRODUCTION REDUCED
SAX 3	1900514	ACTIVE				
SAX 4	8000146	ACTIVE				
EARL 1	1902144	ACTIVE	169.03	167.57	-1.46	IMPACT FROM SEMOU EXTRACTION
JEF 1	1902017	INACTIVE	209.13	208.80	-0.33	
JEF 3	1902019	INACTIVE				
JEF 4	8000111	ACTIVE				
AZU 1	1902020	DESTROYED	193.14	193.25	0.11	
ENC 1	1902024	ACTIVE	175.72	176.32	0.60	
ENC 2	1902035	ACTIVE	174.62	175.18	0.56	
ENC 3	8000073	ACTIVE				
PER 1	1902027	STANDBY	197.08	197.57	0.49	
GRA 1	1902030	STANDBY	216.02	215.76	-0.26	
GRA 2	1902461					
GID 1	1902032	DESTROYED	193.26	193.29	0.03	
GID 2	1902031					
FAR 1	1902034	ACTIVE	205.75	206.90	1.15	PRODUCTION REDUCED
FAR 2	1902948	ACTIVE	204.67	205.77	1.10	PRODUCTION REDUCED
SOUTH PASADENA, CITY OF						
GRAV 2	1901679	ACTIVE	137.89	136.31	-1.58	PRODUCTION INCREASED
WIL 2	1901681	ACTIVE	136.46	136.39	-0.07	
WIL 3	1901682	ACTIVE	134.34	134.41	0.07	
WIL 4	1903086	ACTIVE				
STERLING MUTUAL WATER COMPANY						
NEW SO.	8000132	ACTIVE	210.17	211.16	0.99	
NORTH	1902096	ACTIVE				
SUBURBAN WATER SYSTEMS						
114W-1	1901613	INACTIVE	247.90	247.86	-0.04	
121W-1	8000181	ACTIVE	233.24	232.51	-0.73	
125W-2	8000087	INACTIVE	263.36	263.36	0.00	
126W-2	8000092	INACTIVE	266.85	266.86	0.01	
139W-2	1901599	ACTIVE	230.93	230.84	-0.09	
139W-4	8000069	ACTIVE				
139W-5	8000095	INACTIVE	230.64	230.56	-0.08	
139W-6	8000152	INACTIVE				
140W-3	1903067	ACTIVE	224.37	224.60	0.23	
140W-4	8000093	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)	REMARKS
			2008-09	2013-14		
140W-5	8000145	ACTIVE				
142W-2	8000183	ACTIVE	229.88	229.35	-0.53	
147W-3	8000077	ACTIVE	219.70	219.95	0.25	
151W-2	8000207	ACTIVE	225.49	225.05	-0.44	
155W-1	1902819	INACTIVE	262.86	262.86	0.00	
201W-2	1901430	ACTIVE	178.43	179.03	0.60	
201W-4 201W-9	1901433 8000208	ACTIVE ACTIVE	175.82	177.47	1.65	PRODUCTION REDUCED
201W-5	1901432	ACTIVE	180.30	181.02	0.72	
201W-6	1901434	ACTIVE	184.47	184.26	-0.21	
201W-7	8000195	ACTIVE	176.40	177.26	0.86	
201W-8	8000198	ACTIVE	178.09	178.62	0.53	
201W-10	NA	ACTIVE	184.67	182.70	-1.97	PRODUCTION INCREASED
SUNNY SLOPE WATER COMPANY						
08 09	1900026 1902792	ACTIVE ACTIVE	160.22	158.35	-1.87	PRODUCTION INCREASED
10	8000048	INACTIVE	175.59	175.33	-0.26	
13	8000157	ACTIVE	163.20	162.11	-1.09	PRODUCTION INCREASED
TYLER NURSERY						
NA	8000049	ACTIVE	193.69	193.65	-0.04	
UNITED CONCRETE PIPE CORPORATION						
NA	8000067	INACTIVE	226.16	225.96	-0.20	
UNITED ROCK PRODUCTS CORPORATION						
IRW-1	1900106	ACTIVE	224.10	223.74	-0.36	
IRW-2	1903062	ACTIVE	223.38	222.94	-0.44	
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY						
MW4-1	NA	MONITORING	179.32	179.76	0.44	SOUTH EL MONTE OPERABLE UNIT
MW4-2	NA	MONITORING	181.32	181.48	0.16	
MW4-3	NA	MONITORING	179.23	179.64	0.41	
MW4-4	NA	MONITORING	170.54	170.56	0.02	
MW4-5	NA	MONITORING	171.11	171.13	0.02	
MW4-6	NA	MONITORING	171.68	171.70	0.02	
MW4-7	NA	MONITORING	183.98	183.96	-0.02	
MW4-8	NA	MONITORING	187.45	187.46	0.01	

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)	REMARKS
			2008-09	2013-14		
MW4-9	NA	MONITORING	188.77	188.71	-0.06	
MW4-10	NA	MONITORING	196.71	196.63	-0.08	
MW4-11	NA	MONITORING	204.51	204.73	0.22	
MW5-1	NA	MONITORING	232.87	232.65	-0.22	BALDWIN PARK OPERABLE UNIT
MW5-3	NA	MONITORING	237.09	237.01	-0.08	
MW5-5	NA	MONITORING	226.24	226.08	-0.16	
MW5-8	NA	MONITORING	226.25	226.15	-0.10	
MW5-11	NA	MONITORING	237.16	237.09	-0.07	
MW5-13	NA	MONITORING	241.34	241.29	-0.05	
MW5-15	NA	MONITORING	228.47	228.41	-0.06	
MW5-17	NA	MONITORING	237.79	237.73	-0.06	
MW5-18	NA	MONITORING	239.33	239.28	-0.05	
MW5-19	NA	MONITORING	210.34	208.53	-1.81	IMPACT FROM BPOU EXTRACTION
MW5-20	NA	MONITORING	223.23	222.90	-0.33	
MW5-22	NA	MONITORING	216.58	215.55	-1.03	IMPACT FROM BPOU EXTRACTION
MW5-23	NA	MONITORING	217.14	214.81	-2.33	IMPACT FROM BPOU EXTRACTION
MW6-1	NA	MONITORING	221.00	220.91	-0.09	PUENTE VALLEY OPERABLE UINT
MW6-2	NA	MONITORING	214.09	214.26	0.17	
MW6-4	NA	MONITORING	226.64	226.65	0.01	
MW6-5	NA	MONITORING	228.62	228.61	-0.01	
MW6-6	NA	MONITORING	236.68	236.67	-0.01	
MW6-7	NA	MONITORING	317.41	317.41	0.00	
MW6-8	NA	MONITORING	427.35	427.35	0.00	
EW4-3	NA	REMEDIAL	182.00	182.15	0.15	WNOU EXTRACTION
EW4-4	NA	REMEDIAL	180.09	180.36	0.27	WNOU EXTRACTION
EW4-5 EW4-9	8000200 NA	REMEDIAL REMEDIAL	179.03	179.42	0.39	WNOU EXTRACTION
EW4-6 EW4-10	8000201 NA	REMEDIAL REMEDIAL	178.74	179.23	0.49	WNOU EXTRACTION
EW4-7	8000202	REMEDIAL	179.70	179.96	0.26	WNOU EXTRACTION
EW4-8	NA	REMEDIAL	181.93	182.07	0.14	WNOU EXTRACTION
VALENCIA HEIGHTS WATER COMPANY						
01 02	8000051 8000052	ACTIVE ACTIVE	276.36	277.52	1.16	

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)	REMARKS
			2008-09	2013-14		
04	8000054	ACTIVE	264.53	264.05	-0.48	
05	8000120	ACTIVE	294.46	293.33	-1.13	PRODUCTION INCREASED
VALLEY COUNTY WATER DISTRICT						
E MAINE	1900027	ACTIVE	226.43	226.20	-0.23	
W MAINE	1900028	ACTIVE				
MORADA	1900029	STANDBY	242.54	242.50	-0.04	
E NIXON (JOAN)	1900032	ACTIVE	224.50	224.19	-0.31	
W NIXON (JOAN)	1902356	ACTIVE				
ARROW	1900034	INACTIVE	231.02	230.81	-0.21	
LANTE (SA1-3)	8000060	ACTIVE				
PALM	8000039	INACTIVE	227.61	227.56	-0.05	
B DALTON	1900035	INACTIVE	229.43	229.37	-0.06	
PADDY LN	1900031	STANDBY	227.06	226.96	-0.10	
SA1-1	8000185	ACTIVE	233.52	233.36	-0.16	
SA1-2	8000186	ACTIVE	231.80	231.60	-0.20	
VALLEY VIEW MUTUAL WATER COMPANY						
01	1900363	ACTIVE	225.82	225.63	-0.19	
02	1900364	ACTIVE				
WHITTIER, CITY OF						
13	1901749	ACTIVE	182.44	182.53	0.09	
15	8000071	ACTIVE	179.67	180.08	0.41	
16	8000110	ACTIVE	177.75	178.35	0.60	
17	8000135	ACTIVE				
18	8000136	ACTIVE	179.08	179.63	0.55	
WOODLAND, RICHARD						
01	1902949	INACTIVE	213.86	212.78	-1.08	IMPACT FROM BPOU EXTRACTION
02	1902950	INACTIVE				
COINER, JAMES W., DBA COINER NURSERY (WOODLAND FARM INC.)						
03	1902951	INACTIVE	213.90	212.90	-1.00	IMPACT FROM BPOU EXTRACTION
05R	1903072	ACTIVE	214.96	214.57	-0.39	
				AVERAGE CHANGE	**-0.53**	

(1) SIMULATED ELEVATION IN FEET ABOVE MEAN SEA LEVEL
(2) DIFFERENCE BETWEEN 2013-14 AND 2008-09 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 JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 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	1902106	MUNICIPAL	INACTIVE	TCE	2.2	05/88	ND	02/97	VULNERABLE
				NO3	97.0	04/92	38.9	02/97	(NO3)
				CLO4	NA	NA	NA	NA	
02	1902689	MUNICIPAL	INACTIVE	TCE	3.5	08/86	2.5	09/86	VULNERABLE
				NO3	NA	NA	NA	NA	(VOCS)
				CLO4	NA	NA	NA	NA	
03	8000182	MUNICIPAL	ACTIVE	TCE	18.5	11/06	4.2	05/09	VULNERABLE
				PCE	5.1	11/06	1.7	05/09	(VOCS) (1)
				NO3	21.0	03/04	13.0	05/09	
				CLO4	ND	08/08	ND	08/08	
ALHAMBRA, CITY OF									
07	1903097	MUNICIPAL	ACTIVE	TCE	13.4	08/91	6.1	02/09	VULNERABLE
				PCE	0.8	04/07	ND	02/09	(NO3) (1)
				C-1,2-DCE	1.6	02/05	0.7	02/09	
				CTC	0.6	02/85	ND	02/09	
				NO3	53.2	07/93	43.9	08/07	
				CLO4	2.4	10/07	ND	04/09	
09	1900011	MUNICIPAL	ACTIVE	TCE	21.1	08/08	21.1	08/08	VULNERABLE
				C-1,2-DCE	2.3	10/07	2.1	10/08	(NO3) (3)
				NO3	57.3	06/93	35.9	08/07	
				CLO4	2.2	10/07	ND	04/09	
10	1900012	IRRIGATION	ACTIVE	TCE	30.1	02/09	30.1	02/09	
				C-1,2-DCE	5.8	03/05	3.6	02/09	
				1,1-DCE	0.5	03/05	ND	02/09	
				NO3	56.3	01/07	51.0	02/09	
				CLO4	ND	08/97	ND	08/97	
11	1903014	MUNICIPAL	ACTIVE	PCE	1.9	08/02	1.1	10/08	VULNERABLE
				TCE	4.2	05/89	ND	08/08	(VOCS AND NO3) (3)
				C-1,2-DCE	1.5	04/08	1.5	04/08	
				NO3	41.3	07/90	29.0	09/06	
				CLO4	ND	08/97	ND	04/09	
12	1900013	MUNICIPAL	INACTIVE	TCE	39.4	08/08	39.4	08/08	VULNERABLE
				C-1,2-DCE	33.6	08/08	33.6	08/08	(NO3) (3)
				1,1-DCE	0.8	09/08	0.8	09/08	
				T-1,2-DCE	0.9	09/08	0.7	09/08	
				NO3	34.1	08/89	32.0	08/08	
				CLO4	ND	08/08	ND	08/08	
13	1900014	MUNICIPAL	ACTIVE	TCE	0.5	08/07	0.5	10/07	VULNERABLE
				NO3	52.0	08/01	18.0	10/07	(NO3)
				CLO4	ND	03/97	ND	04/09	
14	1900015	MUNICIPAL	ACTIVE	TCE	2.4	08/08	2.1	10/08	VULNERABLE
				NO3	42.4	08/89	16.0	10/08	(NO3)
				CLO4	ND	08/97	ND	04/09	
15	1900016	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	11/08	
				NO3	18.0	11/02	5.9	04/07	
				CLO4	ND	08/97	ND	04/09	
GARF	1900018	MUNICIPAL	INACTIVE	TCE	11.0	08/82	ND	09/93	VULNERABLE
				PCE	0.5	11/87	ND	09/93	(VOCS)
				CTC	0.1	04/80	ND	09/93	
				1,1,2,2-PCA	1.0	11/87	ND	09/93	
				NO3	68.1	08/89	53.6	09/93	
				CLO4	NA	NA	NA	NA	
LON 1	1902789	MUNICIPAL	ACTIVE	PCE	0.3	07/81	ND	08/08	VULNERABLE
				NO3	23.0	09/04	17.0	09/08	(NO3 AND CLO4)

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	5.0	12/97	ND	04/09	
LON 2	1900017	MUNICIPAL	ACTIVE	MC	4.3	05/87	ND	08/08	VULNERABLE
				NO3	50.4	04/86	20.3	08/07	(VOCS, NO3, AND CLO4)
				CLO4	5.6	07/97	ND	04/09	
MOEL (8)	1900010	MUNICIPAL	ACTIVE	TCE	14.1	07/08	14.1	07/08	
				PCE	1.6	07/08	1.6	07/08	
				C-1,2-DCE	0.9	04/04	0.9	07/08	
				NO3	76.0	07/08	76.0	07/08	
				CLO4	ND	12/99	ND	04/09	
AMARILLO MUTUAL WATER COMPANY									
01	1900791	MUNICIPAL	ACTIVE	PCE	5.5	10/99	1.7	05/09	VULNERABLE
				TCE	1.2	02/08	ND	05/09	(VOCS AND NO3)
				CTC	0.1	08/82	ND	08/08	
				MC	3.2	06/89	ND	08/08	
				NO3	27.4	10/99	24.0	05/09	
				CLO4	ND	08/97	ND	08/08	
02	1900792	MUNICIPAL	ACTIVE	PCE	5.7	02/02	3.7	05/09	VULNERABLE
				TCE	1.5	01/99	ND	05/09	(VOCS AND NO3)
				MC	2.0	06/89	ND	08/08	
				NO3	29.9	02/96	17.0	05/09	
				CLO4	ND	08/97	ND	08/08	
ANDERSON FAMILY MARITAL TRUST									
01	8000079	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
ARCADIA, CITY OF									
BAL 1	1901015	MUNICIPAL	INACTIVE	VOCS	ND	09/98	ND	09/98	VULNERABLE
				NO3	52.0	04/78	3.0	09/98	(NO3)
				CLO4	NA	NA	NA	NA	
BAL 2	1902791	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	06/09	VULNERABLE
				NO3	33.4	05/08	29.0	06/09	(NO3)
				CLO4	ND	08/97	ND	07/08	
CAM REAL 1	1902077	MUNICIPAL	INACTIVE	VOCS	ND	01/85	ND	05/92	VULNERABLE
				NO3	28.1	05/91	22.4	08/92	(NO3)
				CLO4	NA	NA	NA	NA	
CAM REAL 2	1902078	MUNICIPAL	INACTIVE	VOCS	ND	05/89	ND	06/98	VULNERABLE
				NO3	58.0	05/92	39.0	05/98	(NO3)
				CLO4	ND	08/97	ND	12/97	
L OAK 1	8000127	MUNICIPAL	ACTIVE	PCE	1.4	01/08	ND	06/09	
				TCE	1.6	12/08	1.4	06/09	
				NO3	21.5	03/91	17.0	06/09	
				CLO4	ND	08/97	ND	07/08	
LGY	1902084	MUNICIPAL	INACTIVE	CF	1.0	01/08	1.0	01/08	VULNERABLE
				NO3	104.0	01/08	104.0	01/08	(CLO4)
				CLO4	6.0	01/08	6.0	01/08	
LON 1	1901013	MUNICIPAL	ACTIVE	TCE	30.0	07/87	0.7	06/09	VULNERABLE
				PCE	2.7	07/87	ND	06/09	(VOCS AND NO3) (1)
				1,1-DCE	4.1	06/87	ND	06/09	
				1,2-DCA	1.4	07/87	ND	06/09	
				1,1,1-TCA	4.6	07/87	ND	06/09	
				MC	25.0	09/87	ND	06/09	
				NO3	40.0	11/02	37.0	06/09	
				CLO4	ND	12/97	ND	07/08	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
LON 2	1901014	MUNICIPAL	ACTIVE	TCE	62.0	01/85	0.7	03/08	VULNERABLE (VOCS) (1)
				PCE	7.7	01/82	ND	03/08	
				CTC	2.6	09/87	ND	06/07	
				1,1-DCE	0.9	05/87	ND	03/08	
				1,1,1-TCA	12.0	01/85	ND	06/07	
				NO3	109.1	05/85	48.6	03/08	
				CLO4	ND	07/97	ND	06/03	
PECK 1	1902854	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	06/09	
				NO3	3.4	02/88	2.5	06/09	
				CLO4	ND	08/97	ND	07/08	
ST JO 1	1902358	MUNICIPAL	DESTROYED	TCE	5.4	01/02	4.8	02/02	
				PCE	2.7	08/91	2.2	02/02	
				NO3	60.0	06/96	46.0	06/02	
				CLO4	1.0	08/97	ND	01/02	
ST JO 2	8000177	MUNICIPAL	ACTIVE	TCE	2.3	12/04	1.8	06/09	VULNERABLE (VOCS AND CLO4)
				PCE	3.5	06/09	3.5	06/09	
				NO3	51.0	12/04	49.0	06/09	
				CLO4	8.6	06/02	ND	07/08	
ATTALLA, MARY L.									
NA	8000119	IRRIGATION	ACTIVE	VOCS	ND	09/96	ND	04/98	
				NO3	19.4	04/98	19.4	04/98	
				CLO4	ND	04/98	ND	04/98	
AZUSA ASSOCIATES LLC									
DALTON	1900390	IRRIGATION	DESTROYED	VOCS	ND	03/98	ND	03/98	
				NO3	4.7	03/98	4.7	03/98	
				CLO4	ND	03/98	ND	03/98	
AZUSA, CITY OF									
05 (OLD 01)	1902533	MUNICIPAL	ACTIVE	TCE	1.0	12/80	ND	08/08	VULNERABLE (NO3)
				PCE	0.3	12/80	ND	08/08	
				CF	1.5	08/04	1.3	08/08	
				NO3	22.9	07/95	7.1	08/08	
				CLO4	ND	07/97	ND	08/08	
06 (OLD 03)	1902535	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	08/08	
				NO3	14.2	03/95	3.7	08/08	
				CLO4	ND	07/97	ND	08/08	
GENESIS 1 (OLD 04)	1902536	MUNICIPAL	DESTROYED	MTBE	1.2	11/98	1.1	11/98	
				NO3	126.6	06/87	109.8	11/98	
				CLO4	7.2	11/98	7.2	11/98	
GENESIS 2 (OLD 05)	1902537	MUNICIPAL	INACTIVE	TCE	250.0	12/79	3.7	02/08	VULNERABLE (NO3)
				PCE	95.0	04/80	1.0	02/08	
				1,1-DCE	18.0	02/08	18.0	02/08	
				CF	2.6	02/08	2.6	02/08	
				1,1,1-TCA	2.5	02/08	2.5	02/08	
				NO3	105.5	02/93	15.9	02/08	
				CLO4	ND	11/98	ND	02/08	
GENESIS 3 (OLD 06)	1902538	MUNICIPAL	DESTROYED	PCE	3.5	03/97	ND	03/97	
				TCE	0.1	01/80	ND	03/97	
				NO3	112.9	06/86	ND	04/01	
				CLO4	NA	NA	NA	NA	
01 (OLD 07)	8000072	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	11/08	
				NO3	4.5	07/97	3.8	08/08	
				CLO4	ND	07/97	ND	08/08	
03 (OLD 08)	8000086	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	08/08	
				NO3	4.4	03/95	ND	08/08	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	ND	07/97	ND	08/08	
02	1902457	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	08/08	
(01 NORTH)				NO3	5.5	03/92	3.6	08/08	
				CLO4	ND	07/97	ND	08/08	
04	1902458	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/08	
(02 SOUTH)				NO3	5.5	06/89	2.8	08/08	
				CLO4	ND	07/97	ND	08/08	
AVWC 01	1902113	MUNICIPAL	DESTROYED	VOCS	ND	09/97	ND	09/97	
				NO3	55.0	08/87	32.1	09/97	
				CLO4	5.6	09/97	5.6	09/97	
AVWC 02	1902114	MUNICIPAL	DESTROYED	VOCS	ND	01/98	ND	01/98	
				NO3	43.1	01/98	43.1	01/98	
				CLO4	6.9	01/98	6.9	01/98	
08	1902115	MUNICIPAL	ACTIVE	TCE	0.8	03/94	ND	08/08	
(AVWC 04)				CF	0.5	08/04	ND	08/08	
				NO3	12.1	09/94	3.7	08/08	
				CLO4	ND	07/97	ND	08/08	
07	1902116	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/08	VULNERABLE
(AVWC 05)				NO3	24.7	04/95	2.4	08/08	(NO3)
				CLO4	ND	06/97	ND	08/08	
09	1902117	MUNICIPAL	INACTIVE	PCE	7.4	12/87	0.6	01/99	VULNERABLE
(AVWC 06)				NO3	117.7	12/89	84.0	01/99	(VOCS)
				CLO4	NA	NA	NA	NA	
AVWC 07	1902425	MUNICIPAL	DESTROYED	TCE	4.5	01/80	ND	03/85	
				NO3	107.0	02/77	39.4	12/85	
				CLO4	NA	NA	NA	NA	
10	8000103	MUNICIPAL	ACTIVE	PCE	0.9	02/09	0.7	05/09	
(AVWC 08)				CF	1.4	03/94	ND	11/08	
				NO3	66.0	05/08	57.0	05/09	
				CLO4	12.6	08/05	11.0	05/09	
11	8000178	MUNICIPAL	ACTIVE	VOCS	ND	06/02	ND	08/08	
				NO3	3.7	08/08	3.5	10/08	
				CLO4	ND	06/02	ND	08/08	
12	8000179	MUNICIPAL	ACTIVE	VOCS	ND	06/02	ND	08/08	
				NO3	3.9	08/08	3.6	10/08	
				CLO4	ND	06/02	ND	08/08	
B & B RED-I-MIX CONCRETE INC.									
03	1902589	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BANKS, GALE & VICKI									
NA	1900415	IRRIGATION	ACTIVE	VOCS	ND	08/96	ND	10/08	
				NO3	20.7	10/98	16.0	10/08	
				CLO4	ND	09/97	ND	09/97	
BASELINE WATER COMPANY									
01	1901200	IRRIGATION	DESTROYED	VOCS	ND	02/98	ND	02/98	
				NO3	99.7	02/98	99.7	02/98	
				CLO4	12.9	02/98	12.9	02/98	
02	1901201	IRRIGATION	DESTROYED	VOCS	ND	11/98	ND	11/98	
				NO3	74.3	11/98	74.3	11/98	
				CLO4	10.6	11/98	10.6	11/98	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
03	1901202	IRRIGATION	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BEVERLY ACRES MUTUAL WATER USERS ASSOCIATION									
ROSE HILLS	8000004	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	
				NO3	22.5	08/86	14.6	09/90	
				CLO4	NA	NA	NA	NA	
BIRENBAUM, MAX									
NA	8000005	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BOTELLO WATER COMPANY									
NA	1900635	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
BURBANK DEVELOPMENT COMPANY									
BURB	1900093	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM									
B V	1900355	MUNICIPAL	ACTIVE	VOCS	ND	02/85	ND	09/08	
				NO3	3.6	08/90	2.7	09/08	
				CLO4	ND	06/97	ND	06/08	
BACON	1900497	MUNICIPAL	ACTIVE	BF	1.8	09/08	1.8	09/08	
				DBCM	1.0	10/06	ND	09/08	
				MC	0.6	06/89	ND	09/08	
				NO3	10.0	10/81	7.5	09/08	
				CLO4	ND	06/97	ND	06/08	
CR HV	1903018	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/08	
				NO3	7.8	07/86	3.4	09/08	
				CLO4	ND	06/97	ND	09/03	
ENCANTO	8000139	MUNICIPAL	ACTIVE	VOCS	ND	12/92	ND	12/08	
				NO3	11.3	12/92	5.4	09/08	
				CLO4	ND	06/97	ND	06/08	
FISH C	1900358	MUNICIPAL	ACTIVE	VOCS	ND	02/85	ND	12/08	
				NO3	6.7	11/94	2.3	12/08	
				CLO4	ND	06/97	ND	06/08	
LAS L	1900357	MUNICIPAL	DESTROYED	VOCS	ND	02/85	ND	06/91	
				NO3	12.1	08/80	4.1	09/91	
				CLO4	NA	NA	NA	NA	
LAS L2	8000140	MUNICIPAL	ACTIVE	TCE	1.6	08/96	ND	09/08	
				NO3	16.6	12/92	7.3	09/08	
				CLO4	ND	06/97	ND	06/08	
MT AVE	1900356	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	
				NO3	65.0	05/89	10.1	09/93	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
STA FE	1900354	MUNICIPAL	ACTIVE	TCE	3.3	04/84	ND	09/08	VULNERABLE
				CF	0.5	07/87	ND	09/08	(VOCS AND NO3)
				MC	0.5	09/08	0.5	09/08	
				NO3	59.0	01/80	3.4	09/08	
				CLO4	ND	06/97	ND	06/08	
WILEY	1902907	MUNICIPAL	ACTIVE	CF	4.2	09/01	ND	09/08	
				NO3	11.0	03/81	6.9	09/08	
				CLO4	ND	06/97	ND	06/08	
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM									
BR 1	1901441	MUNICIPAL	INACTIVE	CTC	0.5	12/96	0.5	12/96	VULNERABLE
				TCE	27.0	07/93	27.0	12/96	(NO3)
				PCE	9.0	07/93	7.7	12/96	
				NO3	31.4	12/96	31.4	12/96	
				CLO4	NA	NA	NA	NA	
BR 2	1902787	MUNICIPAL	INACTIVE	TCE	17.0	12/96	17.0	12/96	VULNERABLE
				PCE	6.4	12/96	6.4	12/96	(NO3)
				NO3	25.3	07/93	25.1	12/96	
				CLO4	NA	NA	NA	NA	
DELMAR	1903059	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/08	
				NO3	13.4	09/00	13.0	09/08	
				CLO4	ND	06/97	ND	07/08	
GRAND	1900926	MUNICIPAL	ACTIVE	TCE	4.8	03/07	1.4	06/09	VULNERABLE
				PCE	2.1	12/08	0.6	06/09	(VOCS)
				NO3	10.9	09/03	6.5	09/08	
				CLO4	ND	08/97	ND	07/08	
GUESS	1900918	MUNICIPAL	INACTIVE	TCE	5.2	09/99	5.2	12/01	
				PCE	5.4	12/01	5.4	12/01	
				NO3	20.0	05/01	19.0	09/01	
				CLO4	ND	08/97	ND	03/00	
HALL	1900917	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HALL 2	8000175	MUNICIPAL	ACTIVE	VOCS	ND	03/01	ND	06/09	VULNERABLE
				NO3	23.6	04/01	13.0	09/08	(NO3)
				CLO4	ND	03/00	ND	07/08	
HOWLAND	1902424	MUNICIPAL	ACTIVE	TCE	6.9	07/89	0.6	06/09	VULNERABLE
				PCE	3.6	03/01	ND	06/09	(VOCS)
				C-1,2-DCE	3.3	11/87	ND	09/08	
				MC	7.5	05/87	ND	09/08	
				NO3	12.4	09/91	11.0	09/08	
				CLO4	ND	08/97	ND	07/08	
IVAR 1	1900923	MUNICIPAL	DESTROYED	PCE	7.4	06/99	6.2	06/00	
				TCE	1.7	06/99	ND	06/00	
				NO3	29.2	09/94	26.0	09/01	
				CLO4	ND	08/97	ND	03/01	
IVAR 2	1902867	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	24.0	12/84	24.0	12/84	
				CLO4	NA	NA	NA	NA	
LONGDEN	1900935	MUNICIPAL	ACTIVE	PCE	7.5	03/09	6.1	06/09	VULNERABLE
				NO3	69.6	03/08	65.0	06/09	(CLO4)
				CLO4	4.1	03/03	ND	07/08	
MAR 1	1900924	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	01/85	
				NO3	89.0	03/79	39.0	01/84	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
MAR 2	1900925	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	33.0	01/84	33.0	01/84	
				CLO4	NA	NA	NA	NA	
MAR 3	1903019	MUNICIPAL	ACTIVE	VOCS	ND	01/85	ND	09/08	
				NO3	5.8	09/08	5.8	09/08	
				CLO4	ND	06/97	ND	07/08	
MIVW 1	1900919	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	31.0	03/01	31.0	03/01	
				CLO4	NA	NA	NA	NA	
MIVW 2	1900920	MUNICIPAL	ACTIVE	VOCS	ND	07/87	ND	09/08	
				NO3	20.0	09/08	20.0	09/08	
				CLO4	ND	06/97	ND	07/08	
RIC 1	1900921	MUNICIPAL	INACTIVE	VOCS	ND	02/85	ND	12/90	VULNERABLE
				NO3	23.4	08/89	11.8	11/94	(NO3)
				CLO4	NA	NA	NA	NA	
RIC 2	1900922	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
ROANOKE	1900934	MUNICIPAL	INACTIVE	TCE	5.0	06/00	4.7	12/00	VULNERABLE
				PCE	1.2	04/90	ND	09/00	(VOCS, NO3, AND CLO4)
				C-1,2-DCE	0.5	09/00	ND	12/00	
				NO3	33.0	05/89	29.2	12/00	
				CLO4	5.6	06/97	ND	03/00	
ROSEMEAD	1900927	MUNICIPAL	ACTIVE	TCE	4.7	12/01	2.0	06/09	VULNERABLE
				PCE	3.4	03/09	2.3	06/09	(VOCS AND NO3)
				NO3	36.0	09/08	34.0	06/09	
				CLO4	ND	08/97	ND	07/08	
CALIFORNIA COUNTRY CLUB									
ARTES	1902531	IRRIGATION	STANDBY	VOCS	ND	05/87	ND	10/08	VULNERABLE
				NO3	23.7	10/07	17.0	10/08	(NO3)
				CLO4	NA	NA	NA	NA	
CLUB	1902529	IRRIGATION	INACTIVE	PCE	189.0	11/87	189.0	11/87	
				1,1,2,2-PCA	24.0	11/87	24.0	11/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SYCAMORE	1903084	IRRIGATION	STANDBY	PCE	7.1	09/02	1.1	10/08	VULNERABLE
				TCE	0.7	09/01	ND	10/08	(VOCS)
				NO3	128.0	10/07	76.0	10/08	
				CLO4	ND	02/98	ND	02/98	
CALIFORNIA DOMESTIC WATER COMPANY									
01-E	1901182	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1901181	MUNICIPAL	ACTIVE	CTC	0.7	09/96	ND	04/09	VULNERABLE
				PCE	2.0	04/08	0.6	04/09	(VOCS, NO3, AND CLO4)
				TCE	4.0	10/99	ND	04/09	
				NO3	24.3	08/96	9.2	04/09	
				CLO4	5.6	10/99	ND	05/09	
03	1903057	MUNICIPAL	ACTIVE	CTC	5.3	02/01	1.5	04/09	VULNERABLE
				PCE	10.1	01/09	8.6	04/09	(NO3) (1)
				TCE	16.0	01/09	13.0	04/09	
				1,1-DCE	2.2	01/09	1.5	04/09	

APPENDIX C

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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				C-1,2-DCE	1.5	10/08	1.1	04/09	
				CF	0.7	08/04	ND	04/09	
				NO3	47.6	01/07	22.0	04/09	
				CLO4	9.5	12/08	7.5	05/09	
05	1901183	MUNICIPAL	DESTROYED	PCE	2.0	02/85	ND	12/90	
				NO3	13.0	03/84	13.0	03/84	
				CLO4	NA	NA	NA	NA	
05A	8000100	MUNICIPAL	ACTIVE	CTC	1.9	08/96	0.7	04/09	VULNERABLE
				PCE	14.6	10/08	6.1	04/09	(NO3) (1)
				TCE	17.8	10/08	7.1	04/09	
				1,1-DCE	2.7	10/08	1.0	04/09	
				C-1,2-DCE	1.6	10/08	0.6	04/09	
				NO3	29.0	04/01	10.0	04/09	
				CLO4	ND	06/97	ND	05/09	
06	1902967	MUNICIPAL	ACTIVE	CTC	3.5	12/06	ND	04/09	VULNERABLE
				PCE	16.1	10/08	13.0	04/09	(NO3 AND CLO4) (1)
				TCE	23.7	10/08	16.0	04/09	
				1,1-DCE	4.5	10/08	2.3	04/09	
				C-1,2-DCE	2.6	10/08	1.4	04/09	
				NO3	29.0	06/08	27.0	04/09	
				CLO4	5.1	10/06	3.6	05/09	
08	1903081	MUNICIPAL	ACTIVE	PCE	9.8	02/09	2.0	04/09	VULNERABLE
				TCE	12.0	02/09	ND	04/09	(VOCS, NO3, AND CLO4)
				CTC	1.1	09/93	ND	04/09	
				NO3	24.0	08/02	15.0	04/09	
				CLO4	5.6	08/02	ND	05/09	
13-N	1901185	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
14	8000174	MUNICIPAL	ACTIVE	CTC	4.4	10/07	0.5	06/08	VULNERABLE
				PCE	3.9	04/01	1.9	06/08	(NO3) (1)
				TCE	18.0	05/01	5.3	06/08	
				1,2-DCA	1.0	06/08	0.7	06/08	
				C-1,2-DCE	0.7	11/01	ND	06/08	
				1,1-DCE	0.6	08/02	ND	06/08	
				CF	1.3	06/08	0.8	06/08	
				NO3	41.7	02/00	25.0	01/09	
				CLO4	14.0	11/01	13.0	06/08	
CEDAR AVENUE MUTUAL WATER COMPANY									
01 SOUTH	1901411	MUNICIPAL	DESTROYED	PCE	2.2	09/90	ND	06/94	
				NO3	26.8	08/93	8.9	06/94	
				CLO4	NA	NA	NA	NA	
02 NORTH	1902783	MUNICIPAL	DESTROYED	PCE	0.8	04/92	ND	06/94	
				NO3	20.0	01/86	7.4	08/93	
				CLO4	NA	NA	NA	NA	
CEMEX CONSTRUCTION MATERIALS L.P. (AZ TWO)									
02	1900038	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	
				NO3	79.0	09/02	73.1	09/03	
				CLO4	4.2	06/97	ND	09/98	
CHAMPION MUTUAL WATER COMPANY									

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

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				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
01	1900908	MUNICIPAL	INACTIVE	PCE	3.0	09/86	2.1	09/91	VULNERABLE (VOCS)
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1902816	MUNICIPAL	ACTIVE	PCE	0.6	06/88	ND	09/08	VULNERABLE (NO3)
				NO3	27.0	06/09	27.0	06/09	
				CLO4	ND	09/97	ND	09/08	
03	8000121	MUNICIPAL	ACTIVE	PCE	1.3	09/96	ND	09/08	VULNERABLE (NO3)
				FREON 113	18.0	03/07	ND	06/09	
				NO3	24.0	03/09	23.0	06/09	
				CLO4	ND	03/98	ND	09/08	
CHEVRON USA INC.									
TEMP 1	1900250	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS									
01	8000138	NON-POTABLE	ACTIVE	VOCS	ND	09/96	ND	10/08	
				NO3	104.8	02/98	89.0	10/08	
				CLO4	24.0	02/98	24.0	02/98	
CLAYTON MANUFACTURING COMPANY									
02	1901055	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	
				NO3	87.0	08/01	39.7	09/03	
				CLO4	4.0	09/97	4.0	09/97	
COINER, JAMES W., DBA COINER NURSERY									
03	1902951	NON-POTABLE	INACTIVE	PCE	293.5	02/98	170.0	10/01	VULNERABLE (NO3 AND CLO4)
				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	
				1,1,1-TCA	22.0	02/98	12.0	10/01	
				NO3	67.0	10/01	44.7	09/07	
				CLO4	9.0	02/98	ND	09/98	
05R	1903072	NON-POTABLE	ACTIVE	PCE	7.7	02/98	0.5	10/08	VULNERABLE (VOCS, NO3 AND CLO4)
				TCE	1.6	10/01	ND	10/08	
				CTC	2.7	07/96	ND	10/08	
				1,1-DCE	5.5	10/01	0.8	10/08	
				CF	6.7	02/98	ND	10/08	
				NO3	84.8	11/05	30.0	10/08	
				CLO4	9.0	02/98	4.0	09/98	
CORCORAN BROTHERS									
01	1902814	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
COUNTY SANITATION DISTRICT NO. 18									
E08A	8000128	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
E09A	8000129	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
E10A	8000130	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
E11A	8000131	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX1	8000141	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX2	8000142	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX3	8000143	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EX4	8000144	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE1	8000104	REMEDIAL	ACTIVE	TCE	4.2	06/86	3.7	09/86	VULNERABLE
				PCE	0.8	09/86	0.8	09/86	(VOCS)
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE2	8000105	REMEDIAL	ACTIVE	TCE	0.1	06/86	ND	09/86	
				PCE	NA	06/86	ND	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE3	8000106	REMEDIAL	ACTIVE	TCE	1.5	06/86	1.2	09/86	
				PCE	1.6	06/86	0.8	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LE4	8000107	REMEDIAL	ACTIVE	TCE	5.1	09/86	5.1	09/86	
				PCE	2.0	09/86	2.0	09/86	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
COVINA, CITY OF									
01	1901685	MUNICIPAL	INACTIVE	PCE	0.6	01/99	0.6	01/99	
				NO3	120.0	01/99	120.0	01/99	
				CLO4	NA	NA	NA	NA	
02 (GRAND)	1901686	MUNICIPAL	INACTIVE	VOCS	ND	06/88	ND	09/98	
				NO3	116.0	08/89	103.0	04/99	
				CLO4	23.0	09/97	22.0	09/98	
03	1901687	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	72.0	10/73	72.0	10/73	
				CLO4	NA	NA	NA	NA	
COVINA IRRIGATING COMPANY									
BAL 1	1900885	MUNICIPAL	ACTIVE	TCE	200.0	07/80	ND	10/08	VULNERABLE
				PCE	7.6	07/80	ND	10/08	(VOCS AND NO3)
				1,1-DCE	0.5	10/06	ND	10/08	
				MC	0.9	10/06	ND	10/08	
				NO3	35.5	12/89	5.4	01/09	
				CLO4	1.5	10/06	ND	09/08	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
BAL 2	1900883	MUNICIPAL	ACTIVE	TCE	195.0	06/80	ND	10/08	VULNERABLE
				PCE	7.9	06/80	ND	10/08	(VOCS, NO3 AND CLO4)
				1,1-DCE	0.8	07/07	ND	04/09	
				NO3	42.7	12/89	33.0	04/09	
				CLO4	5.5	03/09	5.5	03/09	
BAL 3	1900882	MUNICIPAL	ACTIVE	TCE	225.0	01/80	ND	10/08	VULNERABLE
				PCE	10.0	02/85	ND	10/08	(VOCS, NO3 AND CLO4)
				CTC	3.0	04/85	ND	10/08	
				1,1-DCA	4.0	04/85	ND	10/08	
				1,2-DCA	3.7	02/85	ND	10/08	
				1,1-DCE	2.1	04/85	ND	10/08	
				T-1,2-DCE	2.9	02/85	ND	10/08	
				1,1,1-TCA	5.2	04/85	ND	10/08	
				NO3	57.3	08/89	34.0	04/09	
				CLO4	5.6	09/08	4.5	04/09	
CONTR	1900881	MUNICIPAL	INACTIVE	PCE	1.4	12/92	1.3	03/94	
				NO3	125.3	12/89	108.0	03/94	
				CLO4	NA	NA	NA	NA	
VALEN	1900880	MUNICIPAL	INACTIVE	PCE	2.4	08/85	0.6	09/97	
				NO3	73.0	06/81	69.3	09/97	
				CLO4	6.4	09/97	6.4	09/97	
CREVOLIN, A.J.									
NA	8000011	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
CROWN CITY PLATING COMPANY									
01	8000012	INDUSTRIAL	ACTIVE	TCE	1.2	09/04	1.2	09/04	
				T-1,2-DCE	1.4	05/87	ND	09/04	
				NO3	7.4	09/04	3.4	09/08	
				CLO4	ND	09/97	ND	10/07	
DAVIDSON OPTRONICS INC.									
NA	8000013	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DAWES, MARY K.									
04	1902952	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DEL RIO MUTUAL WATER COMPANY									
BURKETT	1900331	MUNICIPAL	ACTIVE	TCE	2.2	06/90	ND	09/08	VULNERABLE
				PCE	3.7	03/97	ND	09/08	(VOCS AND NO3)
				NO3	31.0	12/03	15	09/08	
				CLO4	ND	09/97	ND	09/08	
KLING	1900332	MUNICIPAL	INACTIVE	PCE	1.3	08/86	ND	02/89	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
DRIFTWOOD DAIRY									
01	1902924	INDUSTRIAL	ACTIVE	PCE	13.9	06/98	13.9	06/98	
				1,1,1-TCA	0.3	03/93	ND	06/98	
				NO3	65.1	03/93	46.8	06/98	
				CLO4	ND	06/98	ND	06/98	
DUNNING, GEORGE									

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
1910	1900091	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EAST PASADENA WATER COMPANY, LTD.									
09	1901508	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	07/08	
				NO3	4.1	03/98	3.6	03/09	
				CLO4	ND	07/97	ND	03/09	
EL MONTE, CITY OF									
02A	1901692	MUNICIPAL	ACTIVE	PCE	13.0	03/98	5.7	04/09	VULNERABLE
				TCE	5.3	01/95	1.8	04/09	(NO3) (1)
				NO3	24.5	04/08	12.0	04/09	
				CLO4	ND	07/97	ND	07/08	
03	1901693	MUNICIPAL	STANDBY	PCE	23.6	12/00	5.8	09/08	
				1,1,1-TCA	1.0	11/93	ND	07/08	
				NO3	71.6	08/89	49.0	04/09	
				CLO4	ND	07/97	ND	07/08	
04	1901694	MUNICIPAL	ACTIVE	PCE	16.2	03/84	0.6	01/08	VULNERABLE
				TCE	7.8	02/80	ND	12/07	(VOCS AND NO3)
				NO3	44.4	12/07	40.3	01/08	
				CLO4	ND	07/97	ND	07/03	
05	1901695	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	
				NO3	53.9	12/96	26.3	06/99	
				CLO4	5.9	06/97	5.9	06/97	
10	1901699	MUNICIPAL	ACTIVE	TCE	7.2	09/81	ND	04/09	VULNERABLE
				PCE	17.7	12/93	2.6	04/09	(VOCS) (1)
				NO3	20.0	04/09	20.0	04/09	
				CLO4	ND	06/97	ND	09/08	
11	1901700	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	21.6	07/79	21.6	07/79	
				CLO4	NA	NA	NA	NA	
12	1903137	MUNICIPAL	ACTIVE	TCE	53.2	06/92	34.0	04/09	VULNERABLE
				PCE	18.4	07/08	14.0	04/09	(NO3) (1)
				CTC	1.0	06/92	ND	04/09	
				NO3	41.0	06/05	33.0	04/09	
				CLO4	ND	06/97	ND	07/08	
13	8000101	MUNICIPAL	ACTIVE	PCE	2.7	10/08	1.2	04/09	VULNERABLE
				TCE	2.9	10/08	1.0	04/09	(VOCS)
				NO3	17.0	03/03	11.1	03/09	
				CLO4	ND	07/97	ND	07/08	
MT VW	1902612	IRRIGATION	DESTROYED	PCE	2.1	08/85	ND	01/01	
				TCE	2.0	01/85	ND	01/01	
				NO3	30.0	02/87	10.0	01/01	
				CLO4	ND	09/97	ND	11/97	
EL MONTE CEMETERY ASSOCIATION									
NA	8000017	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
FRUIT STREET WATER COMPANY									
NA	1901199	IRRIGATION	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
GIFFORD, BROOKS JR.									
01	1902144	NA	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
GLENDORA, CITY OF									
01-E	1901523	MUNICIPAL	ACTIVE	TCE	0.8	12/80	ND	09/07	VULNERABLE
				NO3	38.1	10/88	35.0	08/08	(NO3)
				CLO4	ND	06/97	ND	03/03	
02-E	1901526	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	09/08	VULNERABLE
				NO3	70.0	05/78	9.4	12/08	(NO3)
				CLO4	ND	07/97	ND	09/08	
03-G	1901525	MUNICIPAL	INACTIVE	TCE	0.5	12/79	ND	05/97	
				PCE	0.5	05/97	0.5	05/97	
				NO3	162.4	08/83	111.0	08/99	
				CLO4	NA	NA	NA	NA	
04-E	1901524	MUNICIPAL	INACTIVE	TCE	0.7	08/80	ND	08/91	
				PCE	0.1	07/81	ND	08/91	
				NO3	126.0	06/83	56.8	08/91	
				CLO4	NA	NA	NA	NA	
05-E	8000149	MUNICIPAL	ACTIVE	VOCS	ND	02/95	ND	09/08	
				NO3	3.2	05/95	2.1	06/09	
				CLO4	ND	07/97	ND	09/08	
07-G	1900831	MUNICIPAL	INACTIVE	TCE	302.0	01/81	ND	04/98	VULNERABLE
				PCE	25.0	01/81	1.9	04/98	(VOCS AND CLO4) (3)
				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	3,200	05/84	64.0	04/98	
				NO3	106.0	04/98	75.9	04/98	
				CLO4	5.3	04/98	5.3	04/98	
08-E	1900829	MUNICIPAL	ACTIVE	MC	0.7	08/02	ND	03/09	
				NO3	6.6	08/86	ND	12/08	
				CLO4	ND	07/97	ND	09/08	
09-E	1900830	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	09/08	
				NO3	4.1	08/96	ND	12/08	
				CLO4	ND	07/97	ND	09/08	
10-E	1900828	MUNICIPAL	ACTIVE	CF	1.9	07/97	ND	03/09	VULNERABLE
				NO3	78.0	05/77	40.0	06/09	(NO3)
				CLO4	ND	07/97	ND	09/08	
11-E	1900826	MUNICIPAL	ACTIVE	VOCS	ND	05/82	ND	10/08	
				NO3	117.5	08/73	48.0	06/09	
				CLO4	ND	07/97	ND	09/08	
12-G	1900827	MUNICIPAL	ACTIVE	TCE	0.9	12/80	ND	09/08	
				MC	2.2	05/89	ND	09/08	
				NO3	4.7	07/98	ND	12/08	
				CLO4	ND	06/97	ND	09/08	
13-E	8000184	MUNICIPAL	ACTIVE	BF	0.7	06/04	ND	03/09	VULNERABLE
				NO3	25.0	06/09	25.0	06/09	(NO3)
				CLO4	ND	06/04	ND	09/08	
GOEDERT, LILLIAN									

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
GOEDERT	8000159	IRRIGATION	DESTROYED	VOCS	ND	06/98	ND	06/98	
				NO3	7.0	06/98	7.0	06/98	
				CLO4	ND	06/98	ND	06/98	
GOLDEN STATE WATER COMPANY/SAN GABRIEL VALLEY DISTRICT									
AZU 1	1902020	MUNICIPAL	DESTROYED	TCE	15.0	07/93	0.6	01/95	
				PCE	1.9	07/93	ND	01/95	
				NO3	72.9	12/90	35.0	07/02	
				CLO4	NA	NA	NA	10/02	
EARL 1	1902144	MUNICIPAL	ACTIVE	PCE	6.0	09/03	6.0	09/03	
				NO3	7.2	08/03	7.1	09/03	
				CLO4	ND	08/97	ND	08/03	
ENC 1	1902024	MUNICIPAL	ACTIVE	TCE	21.0	04/03	5.8	06/09	VULNERABLE
				PCE	3.5	04/03	1.9	06/09	(NO3 AND CLO4) (1)
				CF	0.9	08/00	ND	11/08	
				NO3	77.6	08/91	33.0	06/09	
				CLO4	4.2	12/03	ND	11/08	
ENC 2	1902035	MUNICIPAL	ACTIVE	TCE	29.1	02/01	8.8	06/09	(1)
				PCE	6.1	02/01	4.2	06/09	
				NO3	21.0	02/09	18.0	06/09	
				CLO4	ND	08/97	ND	04/08	
ENC 3	8000073	MUNICIPAL	ACTIVE	PCE	4.7	01/02	2.9	06/09	VULNERABLE
				TCE	11.0	01/02	7.3	06/09	(NO3) (1)
				NO3	43.2	07/93	18.0	06/09	
				CLO4	ND	09/97	ND	04/08	
FAR 1	1902034	MUNICIPAL	ACTIVE	TCE	11.9	10/80	ND	02/09	VULNERABLE
				PCE	3.1	10/87	ND	02/09	(VOCS)
				NO3	13.0	07/89	ND	06/09	
				CLO4	ND	08/97	ND	06/09	
FAR 2	1902948	MUNICIPAL	ACTIVE	TCE	12.9	07/80	ND	06/09	VULNERABLE
				PCE	2.6	10/87	ND	08/08	(VOCS)
				NO3	12.2	07/90	4.2	08/08	
				CLO4	ND	08/97	ND	08/08	
GAR 1	1900513	MUNICIPAL	ACTIVE	CF	0.8	08/99	ND	07/03	VULNERABLE
				PCE	4.5	10/03	4.5	10/03	(VOCS)
				NO3	8.3	08/03	7.7	09/03	
				CLO4	ND	08/97	ND	08/03	
GAR 2	1900512	MUNICIPAL	ACTIVE	PCE	12.0	07/03	11.0	08/03	
				TCE	2.2	08/03	2.2	08/03	
				NO3	7.3	08/97	4.6	07/02	
				CLO4	ND	08/97	ND	08/03	
GID 1	1902032	MUNICIPAL	DESTROYED	TCE	6.6	04/85	4.1	09/93	
				PCE	0.9	09/93	0.9	09/93	
				NO3	40.6	09/93	40.6	09/93	
				CLO4	NA	NA	NA	NA	
GID 2	1902031	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	
				NO3	45.8	09/93	45.8	09/93	
				CLO4	NA	NA	NA	NA	
GRA 1	1902030	MUNICIPAL	INACTIVE	TCE	33.0	09/88	25.4	11/94	VULNERABLE
				PCE	2.5	11/93	0.6	11/94	(NO3)
				NO3	86.8	08/89	44.4	07/95	
				CLO4	NA	NA	NA	NA	
GRA 2	1902461	MUNICIPAL	INACTIVE	TCE	31.3	08/89	24.6	08/94	VULNERABLE
				PCE	3.3	09/94	3.3	09/94	(NO3)

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				1,1-DCE	4.8	08/94	4.8	08/94	
				NO3	82.1	07/90	44.2	07/95	
				CLO4	NA	NA	NA	NA	
JEF 1	1902017	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	
				MC	10.0	01/85	10.0	01/85	
				NO3	52.0	07/83	48.7	03/86	
				CLO4	NA	NA	NA	NA	
JEF 2	1902018	MUNICIPAL	INACTIVE	TCE	260.0	01/80	140.0	01/85	
				PCE	15.0	03/81	6.0	01/85	
				1,1-DCE	20.0	01/85	20.0	01/85	
				1,1,1-TCA	54.0	01/85	54.0	01/85	
				MC	6.0	01/85	6.0	01/85	
				NO3	68.0	06/77	61.0	06/79	
				CLO4	NA	NA	NA	NA	
JEF 3	1902019	MUNICIPAL	INACTIVE	TCE	121.0	02/81	4.9	08/92	VULNERABLE
				PCE	12.0	03/81	0.6	08/92	(VOCS AND NO3) (3)
				1,1,1-TCA	29.0	04/85	ND	08/92	
				T-1,2-DCE	2.4	04/85	ND	08/92	
				NO3	52.0	12/84	23.5	08/92	
				CLO4	NA	NA	NA	NA	
JEF 4	8000111	MUNICIPAL	ACTIVE	VOCS	ND	08/89	ND	08/08	
				NO3	14.7	07/89	5.5	08/08	
				CLO4	ND	08/97	ND	08/08	
PER 1	1902027	MUNICIPAL	ACTIVE	TCE	25.8	10/80	1.1	06/09	VULNERABLE
				PCE	6.8	07/87	0.5	06/09	(VOCS AND NO3) (3)
				NO3	22.8	08/86	19.0	08/08	
				CLO4	ND	08/97	ND	08/08	
S G 1	1900510	MUNICIPAL	ACTIVE	TCE	6.8	12/03	ND	06/09	VULNERABLE
				PCE	46.0	04/06	7.8	06/09	(NO3 AND CLO4) (1)
				C-1,2-DCE	1.8	11/04	ND	06/09	
				1,1-DCA	1.8	06/04	ND	06/09	
				1,1-DCE	0.7	11/04	ND	06/09	
				FREON 11	1.2	08/03	ND	08/08	
				NO3	27.0	04/02	21.0	06/09	
				CLO4	8.1	08/03	ND	06/09	
S G 2	1900511	MUNICIPAL	ACTIVE	TCE	3.6	06/99	ND	10/05	VULNERABLE
				PCE	11.0	02/03	0.8	10/05	(VOCS AND CLO4) (1)
				C-1,2-DCE	1.2	02/01	ND	10/05	
				NO3	53.1	10/05	53.1	10/05	
				CLO4	7.0	02/03	ND	10/05	
SAX 1	1900515	MUNICIPAL	DESTROYED	PCE	1.4	04/97	0.9	12/97	VULNERABLE
				MC	2.2	04/89	ND	08/97	(NO3)
				NO3	33.1	10/97	33.1	10/97	
				CLO4	ND	08/97	ND	12/97	
SAX 3	1900514	MUNICIPAL	ACTIVE	VOCS	ND	04/89	ND	08/08	VULNERABLE
				NO3	27.3	11/96	2.3	08/08	(NO3)
				CLO4	ND	08/97	ND	08/08	
SAX 4	8000146	MINICIPAL	ACTIVE	VOCS	ND	03/92	ND	08/08	
				NO3	11.9	08/99	ND	08/08	
				CLO4	ND	08/97	ND	08/08	
GOLDEN STATE WATER COMPANY/SAN DIMAS DISTRICT									
ART-1	1902151	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	60.0	10/74	60.0	10/74	
				CLO4	NA	NA	NA	NA	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
ART-2	1902152	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	05/07	VULNERABLE (NO3)
				NO3	26.2	08/07	9.4	09/07	
				CLO4	ND	08/97	ND	09/07	
ART-3	1902842	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	05/09	VULNERABLE (NO3 AND CLO4)
				NO3	60.0	01/73	33.0	05/09	
				CLO4	4.7	02/09	4.0	05/09	
BAS-3	1902148	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	05/09	VULNERABLE (NO3 AND CLO4)
				NO3	67.0	01/03	24.0	05/09	
				CLO4	17.0	03/03	ND	05/09	
BAS-4	1902149	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	05/09	
				NO3	106.0	05/76	87.0	05/09	
				CLO4	20.0	01/02	13.0	05/09	
CITY	1902286	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	05/08	VULNERABLE (NO3)
				NO3	44.7	09/93	31.0	11/08	
				CLO4	ND	08/97	ND	08/08	
COL-1	1902266	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	93.0	09/75	10.0	10/76	
				CLO4	NA	NA	NA	NA	
COL-2	1902267	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	117.5	10/76	117.5	10/76	
				CLO4	NA	NA	NA	NA	
COL-4	1902268	MUNICIPAL	ACTIVE	CF	7.5	09/97	ND	02/08	VULNERABLE (NO3)
				NO3	64.0	03/83	4.1	05/08	
				CLO4	ND	09/97	ND	04/08	
COL-5	1902269	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
COL-6	1902270	MUNICIPAL	ACTIVE	PCE	7.2	07/85	ND	05/08	VULNERABLE (VOCS AND NO3)
				CF	0.6	09/97	ND	05/08	
				NO3	56.0	06/85	38.2	05/08	
				CLO4	ND	09/97	ND	10/07	
COL-7	1902271	MUNICIPAL	ACTIVE	PCE	22.0	12/87	3.1	11/99	VULNERABLE (VOCS AND CLO4)
				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	
				NO3	118.0	05/79	68.1	01/00	
				CLO4	4.2	01/02	4.2	01/02	
COL-8	1902272	MUNICIPAL	INACTIVE	PCE	0.2	09/80	ND	12/96	
				NO3	120.0	06/83	50.8	12/96	
				CLO4	NA	NA	NA	NA	
HIGHWAY	1902150	MUNICIPAL	ACTIVE	TCE	0.6	12/80	ND	05/09	VULNERABLE (NO3 AND CLO4)
				PCE	0.1	12/80	ND	05/09	
				NO3	42.5	10/03	12.0	05/09	
				CLO4	8.0	10/03	ND	05/09	
L HILL 2	1902154	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MALON	1902287	MUNICIPAL	ACTIVE	CF	1.7	08/96	ND	05/09	VULNERABLE (NO3)
				NO3	42.0	09/87	19.0	05/09	
				CLO4	ND	08/97	ND	08/08	
GREEN, WALTER									
NA	8000027	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
NA	8000028	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HALL (W.E.) COMPANY									
NA	1902496	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HANSEN, ALICE									
2946C	8000029	IRRIGATION	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HANSON AGGREGATES WEST, INC.									
DUA 1	1900961	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
EL 1	1901492	INDUSTRIAL	ACTIVE	VOCS	ND	05/98	ND	09/02	
				NO3	17.0	02/93	2.2	09/02	
				CLO4	ND	03/98	ND	03/98	
EL 3	1901493	INDUSTRIAL	ACTIVE	VOCS	ND	06/98	ND	09/02	
				NO3	22.0	05/93	2.8	09/02	
				CLO4	ND	03/98	ND	03/98	
EL 4	1903006	INDUSTRIAL	ACTIVE	VOCS	ND	12/87	ND	09/02	
				NO3	6.3	06/98	ND	09/02	
				CLO4	NA	NA	NA	NA	
KIN 1	1900963	INDUSTRIAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
HARTLEY, DAVID									
NA	8000085	DOMESTIC	ACTIVE	VOCS	ND	10/95	ND	10/95	
				NO3	111.0	01/96	75.0	04/96	
				CLO4	NA	NA	NA	NA	
HEMLOCK MUTUAL WATER COMPANY									
NORTH	1901178	MUNICIPAL	ACTIVE	PCE	51.7	04/82	ND	06/09	VULNERABLE
				TCE	0.7	12/87	ND	06/09	(VOCS) (1)
				NO3	18.9	12/06	5.6	12/08	
				CLO4	ND	09/97	ND	09/08	
SOUTH	1902806	MUNICIPAL	ACTIVE	PCE	210.0	12/87	ND	06/09	VULNERABLE
				TCE	0.9	04/89	ND	06/09	(VOCS AND NO3) (1)
				NO3	32.7	12/94	5.0	06/09	
				CLO4	ND	09/97	ND	09/08	
INDUSTRY WATERWORKS SYSTEM, CITY OF									
01	1902581	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	
				NO3	60.2	10/92	60.2	10/92	
				CLO4	NA	NA	NA	NA	
02	1902582	MUNICIPAL	INACTIVE	TCE	19.0	01/80	2.3	04/81	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				PCE	10.0	04/81	10.0	04/81	
				NO3	55.5	02/86	55.5	02/86	
				CLO4	100.0	04/99	100.0	04/99	
03	8000078	MUNICIPAL	STANDBY	PCE	2.6	09/80	1.6	07/06	VULNERABLE
				TCE	12.0	07/06	12.0	07/06	(NO3, AND CLO4)
				CTC	0.5	07/06	0.5	07/06	
				1,2-DCA	0.5	07/06	0.5	07/06	
				BDCM	0.6	07/03	ND	07/06	
				BF	0.5	07/03	ND	07/06	
				CF	0.9	09/02	0.6	07/06	
				NO3	31.1	08/00	ND	07/06	
				CLO4	120.0	04/99	ND	07/06	
04	8000096	MUNICIPAL	STANDBY	PCE	2.4	08/01	0.5	07/06	VULNERABLE
				TCE	8.0	11/01	1.7	07/06	(VOCS AND NO3) (2)
				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	
				MC	0.9	06/89	ND	07/05	
				NO3	42.0	06/02	33.0	04/07	
				CLO4	14.8	06/01	6.5	01/06	
05	8000097	MUNICIPAL	ACTIVE	PCE	0.9	11/01	ND	08/08	VULNERABLE
				TCE	6.8	04/96	2.5	08/08	(VOCS AND NO3) (2)
				1,2-DCA	0.7	09/02	ND	08/08	
				CF	0.6	01/07	ND	08/08	
				NO3	28.0	08/08	28.0	08/08	
				CLO4	11.0	04/04	8.1	08/08	
05TH AVE	1902583	MUNICIPAL	DESTROYED	TCE	0.3	12/80	0.3	12/80	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
KNIGHT, KATHRYN M.									
NA	1901688	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LANDEROS, JOHN									
NA	8000031	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LA PUENTE VALLEY COUNTY WATER DISTRICT									
01	1901459	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1901460	MUNICIPAL	ACTIVE	TCE	105.0	12/08	79.0	05/09	VULNERABLE
				PCE	6.6	03/00	3.4	05/09	(NO3) (1,4)
				CTC	8.5	12/02	4.3	05/09	
				1,1-DCA	2.1	11/03	ND	05/09	
				1,2-DCA	6.1	03/00	3.1	05/09	
				1,1-DCE	1.6	12/00	ND	05/09	
				C-1,2-DCE	1.8	12/00	1.3	05/09	
				CF	2.5	12/08	2.1	05/09	
				NO3	32.0	02/09	23.0	05/09	
				CLO4	183.0	02/98	73.0	05/09	
03	1902859	MUNICIPAL	ACTIVE	TCE	68.4	06/98	6.2	06/09	VULNERABLE
				PCE	6.3	04/85	1.4	06/09	(NO3) (1,4)
				CTC	8.5	11/04	ND	06/09	
				1,1-DCE	0.9	10/95	ND	06/09	
				1,2-DCA	6.7	02/99	ND	06/09	
				C-1,2-DCE	1.4	01/97	ND	06/09	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				1,1-DCA	0.5	09/01	ND	06/09	
				CF	1.8	09/01	ND	06/09	
				NO3	95.0	01/80	30.6	04/09	
				CLO4	174.0	02/98	16.0	04/09	
04	8000062	MUNICIPAL	STANDBY	TCE	84.3	03/00	46.0	04/04	VULNERABLE (NO3) (1,4)
				PCE	6.6	03/00	2.9	04/04	
				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	
				CF	2.3	04/04	2.3	04/04	
				NO3	24.9	04/95	18.1	04/04	
				CLO4	159.0	06/97	71.2	04/04	
05	8000209	MUNICIPAL	ACTIVE	TCE	43.0	03/08	25.0	03/09	VULNERABLE (NO3) (1,4)
				PCE	3.8	03/08	2.2	03/09	
				CTC	2.3	03/08	1.2	03/09	
				1,1-DCA	0.5	03/08	ND	03/09	
				1,2-DCA	2.7	03/08	1.2	03/09	
				1,1-DCE	0.5	03/08	ND	03/09	
				C-1,2-DCE	0.8	11/08	0.7	03/09	
				CF	1.7	03/08	ND	03/09	
				NO3	28.0	03/09	27.0	03/09	
				CLO4	65.0	03/08	32.0	04/09	
LA VERNE, CITY OF									
SNIDO	1902322	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
W15-L	1902769	MUNICUPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
W24-L	1901197	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LEE, PAUL									
01	8000018	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	8000019	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
03	8000020	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
04	8000021	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LOS ANGELES, COUNTY OF									
02	1902580	NON POTABLE	ACTIVE	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	
				NO3	10.7	09/04	10.7	09/04	
				CLO4	ND	08/97	ND	08/97	
03	1902663	IRRIGATION	DESTROYED	PCE	2.1	06/94	2.1	06/94	
				TCE	0.7	06/94	0.7	06/94	
				NO3	4.8	06/94	4.8	06/94	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
03A	8000150	IRRIGATION	ACTIVE	PCE	2.5	11/99	ND	10/08	
				NO3	2.1	08/96	ND	10/08	
				CLO4	ND	08/97	ND	08/97	
04	1902664	IRRIGATION	INACTIVE	1,1,1-TCA	0.7	05/87	ND	11/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
05	1902665	IRRIGATION	ACTIVE	PCE	39.0	09/03	35.7	10/08	
				TCE	1.3	09/03	ND	10/08	
				NO3	18.0	09/03	14.0	10/08	
				CLO4	ND	08/97	ND	08/97	
06	1902666	IRRIGATION	INACTIVE	PCE	7.4	08/96	2.8	11/99	VULNERABLE
				TCE	8.3	08/96	2.9	11/99	(VOCS)
				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	
				NO3	11.6	08/96	8.4	11/99	
				CLO4	NA	NA	NA	NA	
600	8000090	IRRIGATION	INACTIVE	VOCS	ND	07/98	ND	07/98	
				NO3	4.8	07/98	4.8	07/98	
				CLO4	ND	07/98	ND	07/98	
BIG RED	8000088	NON POTABLE	ACTIVE	1,2-DCA	0.6	01/96	ND	10/08	VULNERABLE
				NO3	12.0	09/02	ND	10/08	(VOCS)
				CLO4	ND	08/97	ND	08/97	
NEW LAKE	8000089	NON POTABLE	ACTIVE	PCE	19.7	02/00	ND	11/08	VULNERABLE
				TCE	0.9	02/00	ND	11/08	(VOCS)
				CF	1.3	11/08	1.3	11/08	
				NO3	22.0	02/00	12.0	11/08	
				CLO4	ND	08/97	ND	08/97	
SF 1	8000070	NON POTABLE	ACTIVE	TCE	4.3	09/04	ND	03/09	VULNERABLE
				PCE	7.6	09/04	ND	03/09	(VOCS)
				VC	1.4	12/87	ND	10/08	
				NO3	16.0	09/02	11.3	03/09	
				CLO4	ND	06/97	ND	03/09	
WHI 1	1902579	NON POTABLE	ACTIVE	PCE	3.8	09/04	2.8	10/08	VULNERABLE
				TCE	1.0	09/04	ND	10/08	(VOCS)
				NO3	6.7	09/04	5.7	10/08	
				CLO4	ND	08/97	ND	08/97	
LOS FLORES MUTUAL WATER COMPANY									
HI 1	21902098	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LO 1	11902098	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
LOUCKS, DAVID									
NA	8000032	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MAECHTLEN ESTATE									
M-N	1902323	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				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 JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
OLD60	1902321	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SNIDO	1902322	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MANNING BROTHERS ROCK AND SAND COMPANY									
36230	1900117	INDUSTRIAL	DESTROYED	TCE	520.0	12/79	100.0	01/80	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MAPLE WATER COMPANY									
01	8000109	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	07/96	
				NO3	68.0	09/94	55.5	07/96	
				CLO4	NA	NA	NA	NA	
02	1900042	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	07/96	
				NO3	62.7	11/89	55.3	07/96	
				CLO4	NA	NA	NA	NA	
MARTINEZ, FRANCES M.									
NA	8000033	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA									
02	1900693	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
03	1900694	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MILLER COORS LLC (MILLER BREWING COMPANY)									
01	8000075	INDUSTRIAL	INACTIVE	VOCS	ND	01/92	ND	06/08	
				NO3	9.8	01/93	4.7	06/08	
				CLO4	ND	06/97	ND	06/08	
02	8000076	INDUSTRIAL	INACTIVE	VOCS	ND	01/92	ND	05/08	
				NO3	14.0	10/92	3.4	05/08	
				CLO4	ND	06/97	ND	05/08	
N BREWER	8000034	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MONROVIA, CITY OF									
01	1900417	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	
				CF	3.2	07/01	3.2	07/01	
				NO3	78.0	02/01	60.0	03/02	
				CLO4	11.1	02/01	8.4	04/02	
02	1900418	MUNICIPAL	ACTIVE	TCE	167.0	08/82	7.8	03/09	VULNERABLE
				PCE	11.0	08/82	0.6	03/09	(CLO4) (1)
				1,1,1-TCA	7.1	02/87	ND	07/08	
				1,1-DCE	3.4	06/87	ND	03/09	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				1,2-DCA	1.5	02/87	ND	07/08	
				CF	2.2	07/07	1.2	07/08	
				NO3	65.6	12/91	62.0	03/09	
				CLO4	6.0	01/05	5.5	03/09	
03	1900419	MUNICIPAL	ACTIVE	TCE	18.0	08/82	3.4	04/09	VULNERABLE
				PCE	17.0	08/82	ND	04/09	(VOCS AND NO3)
				1,1-DCE	0.8	12/08	ND	04/09	
				CF	1.8	07/08	1.8	07/08	
				NO3	49.6	05/76	19.0	04/09	
				CLO4	ND	08/97	ND	07/08	
04	1900420	MUNICIPAL	ACTIVE	TCE	6.5	02/91	ND	04/09	VULNERABLE
				PCE	1.0	02/91	ND	04/09	(VOCS AND NO3)
				1,1-DCE	1.1	01/05	ND	04/09	
				MC	2.5	05/89	ND	07/08	
				CF	0.7	07/02	ND	07/08	
				NO3	28.8	06/91	10.0	04/09	
				CLO4	ND	08/97	ND	07/08	
05	1940104	MUNICIPAL	ACTIVE	TCE	5.1	01/91	0.9	04/09	VULNERABLE
				PCE	1.0	10/02	ND	04/09	(VOCS AND NO3)
				1,1-DCE	1.0	10/02	ND	04/09	
				MC	4.9	05/89	ND	07/08	
				CF	1.2	07/02	ND	07/08	
				NO3	29.4	01/91	10.0	07/08	
				CLO4	ND	08/97	ND	07/08	
06	8000171	MUNICIPAL	ACTIVE	TCE	9.7	08/04	6.9	04/09	VULNERABLE
				PCE	1.7	02/04	0.9	04/09	(NO3)
				1,1-DCE	0.8	10/07	ND	04/09	
				CF	1.0	08/04	ND	07/08	
				NO3	37.4	10/04	28.0	04/09	
				CLO4	ND	10/99	ND	07/08	
MONROVIA NURSERY									
DIV 4	1902456	IRRIGATION	DESTROYED	VOCS	ND	08/96	ND	02/07	
				NO3	213.0	09/04	202.0	02/07	
				CLO4	ND	02/98	ND	02/98	
DIV 8	1902455	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MONTEREY PARK, CITY OF									
01	1900453	MUNICIPAL	STANDBY	PCE	64.1	12/08	46.0	05/09	VULNERABLE
				TCE	4.1	05/04	ND	05/09	(CLO4)
				1,1-DCE	0.6	05/04	ND	05/09	
				1,1-DCA	1.0	05/04	ND	05/09	
				C-1,2-DCE	1.0	03/04	ND	05/09	
				NO3	17.0	03/09	15.0	05/09	
				CLO4	4.7	05/04	ND	08/08	
02	1900454	MUNICIPAL	DESTROYED	PCE	6.4	04/98	6.4	04/98	
				NO3	18.3	07/95	13.0	07/97	
				CLO4	3.0	07/97	ND	03/98	
03	1900455	MUNICIPAL	STANDBY	PCE	21.0	05/04	16.0	05/09	VULNERABLE
				TCE	2.7	05/04	0.6	05/09	(CLO4)
				C-1,2-DCE	0.8	05/04	ND	05/09	
				NO3	13.3	07/97	5.5	05/09	
				CLO4	4.2	05/04	ND	08/08	
04	1900456	MUNICIPAL	DESTROYED	PCE	0.4	01/80	ND	11/87	
				NO3	6.2	09/87	6.2	09/87	
				CLO4	NA	NA	NA	NA	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
05	1900457	MUNICIPAL	ACTIVE	TCE	7.0	01/92	3.0	05/09	VULNERABLE
				PCE	35.8	08/08	26.0	05/09	(CLO4) (1)
				C-1,2-DCE	2.0	11/01	0.9	05/09	
				1,1-DCA	1.1	11/01	0.6	05/09	
				1,1-DCE	0.7	11/01	ND	05/09	
				NO3	20.0	08/02	18.0	05/09	
				CLO4	6.5	02/01	ND	05/09	
06	1900458	MUNICIPAL	STANDBY	TCE	6.4	05/89	3.1	05/05	VULNERABLE
				PCE	13.6	03/01	3.1	05/05	(VOCS, NO3, AND CLO4)
				C-1,2-DCE	1.3	01/99	1.2	05/05	
				1,1-DCA	0.8	11/01	0.6	05/05	
				NO3	30.0	06/03	24.7	05/05	
				CLO4	5.9	04/02	5.9	04/02	
07	1902372	MUNICIPAL	ACTIVE	PCE	4.4	08/05	3.6	05/09	VULNERABLE
				CF	3.6	07/98	ND	08/08	(VOCS)
				NO3	12.8	08/89	2.3	08/08	
				CLO4	ND	08/97	ND	08/08	
08	1902373	MUNICIPAL	ACTIVE	PCE	2.5	02/05	1.9	03/09	
				NO3	17.0	08/05	ND	11/08	
				CLO4	ND	08/97	ND	11/08	
09	1902690	MUNICIPAL	ACTIVE	PCE	11.0	03/04	2.9	05/09	VULNERABLE
				TCE	1.3	04/97	ND	05/09	(VOCS) (1)
				NO3	6.8	08/01	ND	05/09	
				CLO4	ND	08/97	ND	05/09	
10	1902818	MUNICIPAL	STANDBY	PCE	14.0	05/04	11.0	05/09	VULNERABLE
				TCE	2.6	05/04	0.6	05/09	(NO3 AND CLO4)
				C-1,2-DCE	0.8	05/04	ND	05/09	
				NO3	27.1	08/07	17.0	05/09	
				CLO4	4.3	05/04	ND	08/08	
12	1903033	MUNICIPAL	ACTIVE	PCE	85.0	05/02	38.0	05/09	VULNERABLE
				TCE	5.4	10/95	2.8	05/09	(NO3 AND CLO4) (1)
				1,1-DCA	1.0	11/08	0.7	05/09	
				C-1,2-DCE	1.1	08/05	0.8	05/09	
				NO3	27.2	08/07	14.0	05/09	
				CLO4	15.0	09/97	ND	05/09	
14	1903092	MUNICIPAL	ACTIVE	PCE	2.2	05/02	0.7	05/06	VULNERABLE
				TCE	2.9	11/02	1.5	05/06	(VOCS)
				1,1-DCA	0.8	08/02	ND	05/06	
				C-1,2-DCE	1.0	11/02	ND	05/06	
				NO3	10.0	10/06	10.0	10/06	
				CLO4	ND	08/97	ND	05/03	
15	8000196	MUNICIPAL	ACTIVE	PCE	128.0	11/08	85.0	05/09	VULNERABLE
				TCE	3.4	07/06	2.5	05/09	(NO3) (1)
				NO3	23.0	11/08	22.0	05/09	
				CLO4	2.4	07/06	ND	05/09	
FERN	8000126	MUNICIPAL	STANDBY	PCE	9.9	09/08	7.8	05/09	
				TCE	2.3	08/02	ND	05/09	
				C-1,2-DCE	0.7	03/04	ND	05/09	
				NO3	6.5	03/04	ND	03/09	
				CLO4	2.0	08/97	ND	03/09	
NAMIMATSU FARMS									
NA	1901034	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
OWL ROCK PRODUCTS COMPANY									
NA	1903119	INDUSTRIAL	INACTIVE	VOCS	ND	05/87	ND	11/08	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	8.7	08/89	2.3	11/08	
				CLO4	NA	NA	NA	NA	
NA	1900043	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
NA	1902241	INDUSTRIAL	ACTIVE	VOCS	ND	10/02	ND	11/04	
				NO3	ND	10/02	ND	11/04	
				CLO4	NA	NA	NA	NA	
PICO COUNTY WATER DISTRICT									
NA	8000040	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
POLOPOLUS ET AL.									
01	1902169	IRRIGATION	INACTIVE	PCE	330.0	10/96	270.0	03/98	VULNERABLE (NO3)
				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	
				NO3	50.8	07/91	29.7	03/98	
				CLO4	ND	03/98	ND	03/98	
RICHWOOD MUTUAL WATER COMPANY									
NORTH 2	1901522	MUNICIPAL	DESTROYED	PCE	93.0	05/83	4.0	12/93	
				TCE	3.0	03/81	ND	05/92	
				CTC	0.2	10/80	ND	05/92	
				NO3	25.0	02/84	19.7	06/99	
				CLO4	NA	NA	NA	NA	
SOUTH 1	1901521	MUNICIPAL	DESTROYED	PCE	96.0	05/83	3.4	12/93	
				TCE	0.7	12/82	ND	05/92	
				NO3	28.6	06/99	28.6	06/99	
				CLO4	NA	NA	NA	NA	
ROY, RUTH									
NA	8000041	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
RURBAN HOMES MUTUAL WATER COMPANY									
NORTH 1	1900120	MUNICIPAL	ACTIVE	PCE	16.0	11/80	ND	06/09	VULNERABLE (VOCS AND NO3)
				1,1-DCE	0.9	09/08	ND	06/09	
				CF	0.8	02/02	ND	09/08	
				FREON 11	13.3	05/04	ND	06/09	
				FREON 113	64.4	05/04	ND	06/09	
				NO3	30.0	03/01	12.0	06/09	
				CLO4	ND	09/97	ND	09/08	
SOUTH 2	1900121	MUNICIPAL	ACTIVE	PCE	24.3	02/81	ND	06/09	VULNERABLE (VOCS AND NO3)
				1,1-DCE	1.7	10/08	ND	06/09	
				CF	3.8	02/02	ND	09/08	
				FREON 11	14.1	05/04	ND	06/09	
				FREON 113	54.2	05/04	ND	06/09	
				MC	1.1	08/02	ND	09/08	
				NO3	38.2	03/07	22.0	06/09	
				CLO4	ND	09/97	ND	09/08	
SAN GABRIEL COUNTRY CLUB									

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
01	1900547	IRRIGATION	ACTIVE	VOCS	ND	05/85	ND	08/05	VULNERABLE (CLO4)
				NO3	67.0	07/96	54.0	08/05	
				CLO4	8.5	07/97	5.4	08/05	
02	1902979	IRRIGATION	ACTIVE	VOCS	ND	05/87	ND	08/05	VULNERABLE (NO3)
				NO3	23.0	10/02	20.3	08/05	
				CLO4	1.4	12/97	1.1	08/05	
SAN GABRIEL COUNTY WATER DISTRICT									
05 BRA	1901669	MUNICIPAL	INACTIVE	TCE	0.9	01/97	ND	03/01	
				PCE	1.9	02/99	1.0	03/01	
				NO3	83.9	08/89	70.7	03/01	
				CLO4	ND	09/97	ND	09/00	
06 BRA	1901670	MUNICIPAL	DESTROYED	VOCS	ND	02/99	ND	02/99	
				NO3	108.9	08/72	57.6	03/00	
				CLO4	3.0	02/99	3.0	02/99	
07	1901671	MUNICIPAL	ACTIVE	VOCS	ND	09/89	ND	10/08	VULNERABLE (NO3 AND CLO4)
				NO3	48.0	03/03	34.0	04/09	
				CLO4	5.6	03/03	ND	04/09	
08	1901672	MUNICIPAL	INACTIVE	VOCS	ND	01/90	ND	03/91	VULNERABLE (NO3)
				NO3	76.0	01/82	23.4	08/93	
				CLO4	NA	NA	NA	NA	
09	1902785	MUNICIPAL	ACTIVE	PCE	2.0	01/09	1.5	04/09	VULNERABLE (NO3)
				NO3	51.0	03/03	21.0	04/09	
				CLO4	ND	09/97	ND	07/08	
10	1902786	MUNICIPAL	INACTIVE	PCE	18.0	08/93	1.9	11/98	VULNERABLE (VOCS, NO3, AND CLO4)
				NO3	50.0	05/89	31.0	11/98	
				CLO4	5.5	11/98	5.5	11/98	
11	8000067	MUNICIPAL	ACTIVE	PCE	2.0	06/89	1.1	04/09	VULNERABLE (NO3)
				NO3	32.2	04/04	16.0	04/09	
				CLO4	ND	09/97	ND	07/08	
12	8000123	MUNICIPAL	ACTIVE	TCE	0.8	09/02	ND	07/08	
				MC	0.6	05/90	ND	07/08	
				NO3	7.0	10/01	5.4	10/08	
				CLO4	ND	09/97	ND	07/08	
14	8000133	MUNICIPAL	ACTIVE	PCE	0.6	09/02	ND	07/08	
				NO3	3.8	12/02	2.3	07/08	
				CLO4	ND	09/97	ND	07/08	
SAN GABRIEL VALLEY WATER COMPANY									
B4B	1902858	MUNICIPAL	ACTIVE	TCE	25.2	02/08	25.2	02/08	(1)
				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	
				NO3	13.1	11/07	13.1	11/07	
				CLO4	24.5	04/08	24.5	04/08	
B4C	1902947	MUNICIPAL	INACTIVE	CTC	22.3	02/01	14.0	08/01	VULNERABLE (CLO4) (1)
				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	
				NO3	14.2	02/01	14.2	02/01	
				CLO4	6.0	06/00	ND	07/00	
B5A	1900718	MUNICIPAL	ACTIVE	PCE	17.5	03/91	ND	11/05	VULNERABLE

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				TCE	5.2	03/98	ND	11/05	(VOCS, NO3, AND CLO4)
				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	
				CF	1.4	08/01	1.1	08/05	
				NO3	46.1	07/96	25.3	11/05	
				CLO4	14.0	06/97	4.0	08/05	
B5B	1900719	MUNICIPAL	ACTIVE	TCE	5.8	02/97	5.6	05/09	
				PCE	3.9	02/09	3.1	05/09	
				CTC	2.3	02/85	0.6	05/09	
				1,2-DCA	0.6	09/07	0.5	05/09	
				CF	2.4	01/07	1.2	05/09	
				NO3	54.0	11/08	50.0	05/09	
				CLO4	12.0	06/97	12.0	05/09	
B5C	8000112	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	08/07	
				NO3	3.8	05/07	3.8	05/07	
				CLO4	ND	06/97	ND	03/08	
B5D	8000160	MUNICIPAL	ACTIVE	CTC	0.7	05/09	0.7	05/09	
				NO3	4.9	08/08	3.8	05/09	
				CLO4	ND	12/97	ND	05/09	
B5E	8000205	MUNICIPAL	INACTIVE	TCE	6.2	05/09	6.2	05/09	VULNERABLE
				PCE	0.8	05/09	0.8	05/09	(NO3) (2)
				CTC	5.2	05/07	2.5	05/09	
				CF	3.9	01/07	0.4	05/09	
				NO3	23.0	08/07	15.0	05/09	
				CLO4	8.1	05/07	7.6	05/09	
B6B	1900721	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	
				NO3	85.4	02/91	57.2	09/92	
				CLO4	NA	NA	NA	NA	
B6C	1903093	MUNICIPAL	ACTIVE	TCE	84.0	03/88	6.9	02/09	(1)
				PCE	12.0	11/81	0.7	02/09	
				CTC	13.0	02/85	ND	02/09	
				1,2-DCA	9.0	05/88	0.7	02/09	
				1,1-DCE	1.5	06/94	ND	02/09	
				C-1,2-DCE	6.2	04/88	ND	02/09	
				CF	1.7	04/04	0.8	02/09	
				NO3	87.0	09/08	81.0	02/09	
				CLO4	370.0	11/05	27.0	02/09	
B6D	8000098	MUNICIPAL	ACTIVE	TCE	87.0	05/09	87.0	05/09	(1)
				PCE	7.1	05/09	7.1	05/09	
				CTC	8.8	04/96	4.5	05/09	
				1,1-DCA	1.1	05/09	1.1	05/09	
				1,2-DCA	3.5	05/09	3.5	05/09	
				1,1-DCE	1.0	08/08	1.0	05/09	
				C-1,2-DCE	2.8	05/09	2.8	05/09	
				CF	2.9	05/09	2.9	05/09	
				NO3	21.6	11/08	21.2	05/09	
				CLO4	390.0	11/05	90.0	05/09	
11A	1900739	MUNICIPAL	ACTIVE	PCE	1.5	02/08	0.9	05/09	
				NO3	14.7	07/89	3.5	09/08	
				CLO4	ND	08/97	ND	03/08	
11B	1900745	MUNICIPAL	ACTIVE	PCE	17.8	04/90	1.8	05/09	VULNERABLE
				TCE	4.0	04/90	ND	05/09	(VOCS) (1)
				1,1-DCE	0.2	04/89	ND	08/08	
				C-1,2-DCE	3.0	04/89	ND	08/08	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	18.3	08/06	14.0	08/08	
				CLO4	ND	06/97	ND	03/08	
11C	1902713	MUNICIPAL	ACTIVE	PCE	4.1	12/91	1.1	05/09	VULNERABLE
				TCE	0.6	12/91	ND	08/08	(VOCS)
				1,1-DCE	1.1	08/08	ND	05/09	
				C-1,2-DCE	2.5	03/92	ND	05/09	
				NO3	12.0	08/06	6.6	09/08	
				CLO4	ND	08/97	ND	03/08	
1B	1900729	MUNICIPAL	ACTIVE	PCE	46.0	04/81	ND	05/09	VULNERABLE
				TCE	1.8	02/80	ND	09/08	(VOCS)
				MC	7.1	04/87	ND	09/08	
				FREON 113	22.3	08/08	ND	02/09	
				NO3	22.4	05/08	16.0	05/09	
				CLO4	1.1	03/08	1.1	03/08	
1C	1902946	MUNICIPAL	ACTIVE	VOCS	ND	07/98	ND	08/08	
				NO3	5.0	07/89	3.8	08/08	
				CLO4	ND	10/99	ND	03/08	
1D	8000102	MUNICIPAL	ACTIVE	VOCS	ND	07/98	ND	08/08	
				NO3	5.0	07/89	4.1	11/08	
				CLO4	ND	08/97	ND	03/08	
1E	8000172	MUNICIPAL	ACTIVE	PCE	0.7	09/02	ND	05/09	VULNERABLE
				NO3	4.3	11/00	3.8	11/08	(CLO4)
				CLO4	5.0	06/00	ND	03/08	
2C	1900749	MUNICIPAL	ACTIVE	TCE	15.2	12/80	ND	11/05	VULNERABLE
				PCE	3.0	10/87	ND	11/05	(VOCS)
				NO3	16.4	08/04	5.2	08/05	
				CLO4	ND	08/97	ND	02/03	
2D	1902857	MUNICIPAL	ACTIVE	TCE	25.0	12/80	ND	05/09	VULNERABLE
				PCE	0.7	01/88	ND	08/08	(VOCS)
				NO3	8.2	07/86	3.2	08/08	
				CLO4	ND	08/97	ND	03/08	
2E	8000065	MUNICIPAL	ACTIVE	TCE	18.0	01/80	0.5	05/09	VULNERABLE
				PCE	0.9	01/88	ND	08/08	(VOCS)
				NO3	9.1	07/86	7.1	08/08	
				CLO4	ND	08/97	ND	03/08	
2F	8000197	MUNICIPAL	ACTIVE	TCE	0.8	06/08	0.7	06/09	
				NO3	4.3	09/06	3.7	08/08	
				CLO4	ND	09/06	ND	03/08	
8A	1900736	MUNICIPAL	INACTIVE	PCE	0.6	11/87	ND	02/97	VULNERABLE
				NO3	40.2	02/97	40.2	02/97	(NO3)
				CLO4	NA	NA	NA	NA	
8B	1900746	MUNICIPAL	ACTIVE	PCE	220.0	02/09	180.0	05/09	VULNERABLE
				TCE	0.7	05/09	0.7	05/09	(NO3) (1)
				NO3	23.0	08/08	23.0	08/08	
				CLO4	3.0	08/97	1.8	03/08	
8C	1900747	MUNICIPAL	ACTIVE	PCE	170.0	05/09	170.0	05/09	VULNERABLE
				TCE	0.8	05/09	0.8	05/09	(CLO4) (1)
				NO3	20.0	07/98	15.0	11/08	
				CLO4	4.0	03/08	4.0	03/08	
8D	1903103	MUNICIPAL	ACTIVE	PCE	62.3	02/09	44.0	06/09	VULNERABLE
				TCE	0.6	08/04	0.6	06/09	(NO3) (1)
				C-1,2 DCE	0.8	05/04	ND	06/09	
				CTC	0.6	06/88	ND	06/09	
				NO3	29.0	06/09	29.0	06/09	
				CLO4	2.3	03/08	2.3	03/08	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
8E	8000113	MUNICIPAL	ACTIVE	PCE	140.0	05/09	140.0	05/09	
				NO3	7.2	07/01	2.6	11/08	
				CLO4	ND	08/97	ND	03/08	
8F	8000169	MUNICIPAL	ACTIVE	VOCS	ND	10/98	ND	08/08	
				NO3	9.6	11/07	2.6	11/08	
				CLO4	ND	01/99	ND	03/08	
B1	1902635	MUNICIPAL	ACTIVE	TCE	12.0	04/85	ND	08/06	VULNERABLE
				PCE	7.3	05/88	ND	08/06	(VOCS)
				C-1,2-DCE	7.2	12/92	ND	08/06	
				1,1-DCE	2.1	08/89	ND	08/06	
				NO3	17.4	02/87	3.5	03/05	
				CLO4	ND	08/97	ND	02/03	
B2	1902525	MUNICIPAL	INACTIVE	TCE	17.0	03/80	ND	11/98	VULNERABLE
				PCE	15.8	06/80	0.7	11/98	(VOCS)
				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	
				NO3	8.7	11/98	8.7	11/98	
				CLO4	ND	11/98	ND	11/98	
B11A	1901439	MUNICIPAL	ACTIVE	TCE	9.8	08/01	5.8	08/04	VULNERABLE
				PCE	21.7	05/92	8.5	08/04	(NO3 AND CLO4) (1)
				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	
				NO3	37.7	03/00	36.5	08/04	
				CLO4	8.0	12/97	ND	08/04	
B11B	8000108	MUNICIPAL	ACTIVE	TCE	20.0	02/97	8.5	05/09	VULNERABLE
				PCE	34.5	06/92	9.8	05/09	(NO3 AND CLO4) (1)
				1,1-DCE	33.7	03/90	14.0	05/09	
				1,1-DCA	2.6	12/88	1.2	05/09	
				1,1,1-TCA	2.9	10/88	ND	11/08	
				C-1,2-DCE	3.6	03/05	1.3	05/09	
				NO3	35.9	02/97	19.0	05/09	
				CLO4	7.0	06/00	2.5	03/08	
B7B	1901440	MUNICIPAL	DESTROYED	TCE	2.4	03/85	2.4	03/85	
				PCE	1.4	03/85	1.2	03/85	
				NO3	12.4	08/87	12.4	08/87	
				CLO4	NA	NA	NA	NA	
B7C	8000068	MUNICIPAL	ACTIVE	TCE	11.3	12/93	2.8	05/09	VULNERABLE
				PCE	35.0	03/03	7.8	05/09	(NO3) (1)
				1,1-DCE	6.7	12/89	1.6	05/09	
				C-1,2-DCE	4.7	12/93	0.6	05/09	
				CTC	0.6	02/89	ND	08/09	
				NO3	28.4	08/92	10.0	08/08	
				CLO4	ND	06/97	ND	03/08	
B7D	8000094	MUNICIPAL	INACTIVE	PCE	5.3	07/87	3.5	09/87	VULNERABLE
				TCE	3.9	07/87	3.3	09/87	(VOCS)
				1,1-DCE	5.3	05/87	5.0	09/87	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
B7E	8000122	MUNICIPAL	ACTIVE	VOCS	ND	08/90	ND	08/08	
				NO3	16.0	11/08	2.9	05/09	
				CLO4	ND	06/97	ND	03/08	
B8	1901436	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				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 JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
B9	1901437	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	
				NO3	84.7	02/86	68.1	02/87	
				CLO4	NA	NA	NA	NA	
B9B	8000099	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	08/08	
				NO3	4.5	06/87	3.4	09/08	
				CLO4	1.2	03/08	1.2	03/08	
G4A	1900725	MUNICIPAL	ACTIVE	PCE	6.6	08/08	4.6	05/09	VULNERABLE
				TCE	1.3	11/97	1.1	05/09	(VOCS AND NO3)
				NO3	24.9	02/08	20.0	05/09	
				CLO4	1.0	03/08	1.0	03/08	
B24A	8000203	MUNICIPAL	ACTIVE	VOCS	ND	01/07	ND	02/09	
				NO3	2.2	01/07	ND	02/09	
				CLO4	ND	01/07	ND	08/08	
B24B	8000204	MUNICIPAL	ACTIVE	PCE	2.1	05/07	ND	02/09	
				TCE	0.7	05/07	ND	02/09	
				NO3	4.4	02/09	4.4	02/09	
				CLO4	ND	01/07	ND	08/08	
B25A (SA3-1S)	8000187	MUNICIPAL	ACTIVE	TCE	60.3	02/08	28.0	05/09	(1)
				PCE	28.0	05/08	18.0	05/09	
				CTC	5.9	10/07	1.1	05/09	
				1,2-DCA	1.4	10/07	ND	05/09	
				1,1-DCE	6.6	02/08	3.1	05/09	
				C-1,2-DCE	6.3	08/07	2.5	05/09	
				CF	1.7	10/07	1.2	05/09	
				NO3	78.0	05/09	78.0	05/09	
				CLO4	39.6	05/08	19.0	05/09	
B25B (SA3-1D)	8000188	MUNICIPAL	ACTIVE	TCE	21.0	03/09	0.8	05/09	VULNERABLE
				PCE	7.6	03/09	ND	05/09	(VOCS, NO3 AND CLO4) (1)
				CTC	10.0	09/04	ND	05/09	
				1,1-DCA	1.2	10/07	ND	05/09	
				1,1-DCE	2.6	03/09	ND	05/09	
				C-1,2-DCE	2.2	04/09	ND	05/09	
				NO3	27.0	05/09	27.0	05/09	
				CLO4	7.9	08/08	ND	05/09	
B26A (SA3-2S)	8000189	MUNICIPAL	ACTIVE	TCE	57.0	05/09	57.0	05/09	(1)
				PCE	5.7	05/09	5.7	05/09	
				CTC	2.8	05/09	2.8	05/09	
				1,1-DCA	0.8	05/09	0.8	05/09	
				1,2-DCA	4.3	11/04	3.3	05/09	
				1,1-DCE	1.0	02/09	1.0	05/09	
				C-1,2-DCE	3.3	05/06	2.7	05/09	
				CF	3.1	07/06	2.0	05/09	
				NO3	60.0	05/09	57.0	05/09	
				CLO4	87.0	07/06	58.0	05/09	
B26B (SA3-2D)	8000190	MUNICIPAL	ACTIVE	TCE	31.0	05/09	31.0	05/09	(1)
				PCE	1.0	05/09	1.0	05/09	
				CTC	16.6	02/09	16.0	05/09	
				1,2-DCA	1.0	05/09	1.0	05/09	
				CF	1.0	05/09	1.0	05/09	
				NO3	13.0	07/08	13.0	05/09	
				CLO4	23.0	04/09	23.0	05/09	
SIERRA LA VERNE COUNTRY CLUB									
01	8000124	IRRIGATION	ACTIVE	VOCS	ND	08/96	ND	10/07	
				NO3	10.5	05/99	ND	10/07	
				CLO4	ND	03/98	ND	03/98	
02	8000125	IRRIGATION	ACTIVE	MC	0.5	10/08	0.5	10/08	VULNERABLE

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	17.4	08/96	ND	10/08	(CLO4)
				CLO4	28.0	03/98	ND	04/98	
SLOAN RANCHES									
01	1901198	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	8000045	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SONOCO PRODUCTS COMPANY									
01	1912786	INDUSTRIAL	ACTIVE	TCE	28.6	12/99	0.6	12/05	VULNERABLE
				PCE	8.5	12/99	ND	12/05	(VOCS)
				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	
				CF	1.4	07/04	0.6	12/05	
				NO3	72.8	12/05	72.8	12/05	
				CLO4	ND	06/98	ND	07/04	
02	1902971	INDUSTRIAL	ACTIVE	CTC	0.9	11/87	ND	12/05	VULNERABLE
				1,1,1-TCA	2.0	11/87	ND	12/05	(VOCS 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	
				CF	1.4	09/02	1.2	12/05	
				NO3	74.5	12/05	74.5	12/05	
				CLO4	10.0	02/98	ND	07/04	
SOUTH COVINA WATER SERVICE									
102W-1	1901606	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
SOUTHERN CALIFORNIA EDISON COMPANY									
110RH	8000046	NON-POTABLE	ACTIVE	VOCS	ND	08/89	ND	02/07	
				NO3	8.9	02/07	8.9	02/07	
				CLO4	ND	11/97	ND	11/97	
1EB86	1900342	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
2EB76	1900343	IRRIGATION	ACTIVE	PCE	4.3	09/04	4.1	02/07	VULNERABLE
				TCE	1.3	09/04	0.7	02/07	(VOCS AND NO3)
				NO3	51.4	09/98	26.5	02/07	
				CLO4	2.0	11/97	2.0	11/97	
38EIS	1900344	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
38W	1900344	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
MURAT	8000047	IRRIGATION	ACTIVE	PCE	4.1	09/02	0.6	10/08	VULNERABLE
				TCE	0.9	09/02	ND	10/08	(VOCS AND NO3)
				NO3	26.9	09/04	14.0	10/08	
				CLO4	ND	04/98	ND	04/98	
SOUTH PASADENA, CITY OF									

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
GRAV 2	1901679	MUNICIPAL	ACTIVE	PCE	16.0	07/08	7.1	05/09	VULNERABLE (CLO4)
				CTC	0.9	07/08	0.6	05/09	
				NO3	58.2	04/87	52.0	05/09	
				CLO4	6.9	02/03	5.2	05/09	
WIL 2	1901681	MUNICIPAL	ACTIVE	PCE	23.0	01/88	9.1	03/01	VULNERABLE (CLO4)
				TCE	4.6	03/00	4.6	03/01	
				NO3	86.8	03/00	77.9	02/01	
				CLO4	5.0	07/97	ND	12/99	
WIL 3	1901682	MUNICIPAL	ACTIVE	PCE	9.5	08/94	3.1	05/09	VULNERABLE (VOCS AND NO3)
				TCE	1.4	05/09	1.4	05/09	
				NO3	66.0	01/83	26.0	05/09	
				CLO4	ND	07/97	ND	08/08	
WIL 4	1903086	MUNICIPAL	ACTIVE	PCE	8.1	06/00	2.3	05/09	VULNERABLE (VOCS AND NO3)
				TCE	2.1	05/07	1.0	05/09	
				NO3	30.0	02/03	21.0	05/09	
				CLO4	ND	07/97	ND	08/08	
SPEEDWAY 605 INC.									
NA	1902968	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
STERLING MUTUAL WATER COMPANY									
NEW SO.	8000132	MUNICIPAL	ACTIVE	VOCS	ND	06/91	ND	08/08	
				NO3	22.0	08/08	22.0	08/08	
				CLO4	ND	10/97	ND	08/08	
NORTH	1902096	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/08	VULNERABLE (NO3)
				NO3	43.4	02/07	33.0	05/09	
				CLO4	ND	09/97	ND	08/08	
SOUTH	1902085	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	06/91	
				NO3	16.2	03/91	14.8	08/07	
				CLO4	NA	NA	NA	NA	
SUBURBAN WATER SYSTEMS									
101W-1	41901605	MUNICIPAL	DESTROYED	TCE	1.5	07/87	ND	08/89	
				NO3	54.2	08/89	54.2	08/89	
				CLO4	NA	NA	NA	NA	
102W-1	1901605	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
102W-2	1901606	MUNICIPAL	DESTROYED	TCE	2.0	01/80	ND	06/85	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
103W-1	1901607	MUNICIPAL	DESTROYED	TCE	2.5	06/80	ND	07/82	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
105W-1	1901608	MUNICIPAL	DESTROYED	PCE	1.4	01/96	1.4	01/96	
				NO3	46.2	04/95	46.2	04/95	
				CLO4	NA	NA	NA	NA	
106W-1	1901609	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
111W-1	1901610	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	82.5	03/73	82.5	03/73	
				CLO4	NA	NA	NA	NA	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
112W-1	1901611	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	99.2	07/69	99.2	07/69	
				CLO4	NA	NA	NA	NA	
113W-1	1901612	MUNICIPAL	DESTROYED	TCE	0.7	02/80	0.5	03/85	
				NO3	85.0	10/85	67.8	02/88	
				CLO4	NA	NA	NA	NA	
114W-1	1901613	MUNICIPAL	INACTIVE	TCE	2.9	01/80	ND	07/95	VULNERABLE
				PCE	0.5	12/93	ND	07/95	(VOCS AND NO3)
				NO3	46.7	08/91	39.8	04/95	
				CLO4	NA	NA	NA	NA	
117W-1	1901614	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
120W-1	1901615	MUNICIPAL	DESTROYED	TCE	0.3	07/82	ND	08/96	
				NO3	66.0	07/88	60.5	08/96	
				CLO4	NA	NA	NA	NA	
121W-1	8000181	MUNICIPAL	ACTIVE	VOCS	ND	10/02	ND	05/09	VULNERABLE
				NO3	16.7	11/08	12.0	05/09	(CLO4)
				CLO4	4.7	11/08	3.9	05/09	
122W-1	1901616	MUNICIPAL	DESTROYED	TCE	2.6	08/96	2.6	08/96	
				NO3	90.0	05/86	60.7	08/96	
				CLO4	NA	NA	NA	NA	
123W-1	1901617	MUNICIPAL	DESTROYED	TCE	26.8	04/81	ND	08/96	
				PCE	33.0	04/81	ND	08/96	
				NO3	47.0	05/76	4.0	08/96	
				CLO4	NA	NA	NA	NA	
124W-1	1901618	MUNICIPAL	DESTROYED	TCE	0.5	06/83	ND	08/89	
				NO3	60.0	09/84	53.6	08/89	
				CLO4	NA	NA	NA	NA	
125W-1	1901619	MUNICIPAL	DESTROYED	VOCS	ND	01/80	ND	09/81	
				NO3	30.0	05/76	21.0	05/79	
				CLO4	NA	NA	NA	NA	
125W-2	8000087	MUNICIPAL	INACTIVE	VOCS	ND	03/83	ND	07/95	VULNERABLE
				NO3	50.0	08/87	40.6	03/95	(NO3)
				CLO4	NA	NA	NA	NA	
126W-1	1901620	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	18.0	05/75	18.0	05/75	
				CLO4	NA	NA	NA	NA	
126W-2	8000092	MUNICIPAL	INACTIVE	VOCS	ND	03/85	ND	08/00	VULNERABLE
				NO3	38.8	07/91	34.9	03/01	(NO3 AND CLO4)
				CLO4	4.8	07/97	ND	01/98	
131W-1	1901621	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	
				NO3	62.0	09/81	55.3	10/93	
				CLO4	NA	NA	NA	NA	
133W-1	1901622	MUNICIPAL	DESTROYED	TCE	0.5	07/87	ND	08/89	
				CTC	0.5	08/89	0.5	08/89	
				NO3	49.1	08/89	47.8	09/89	
				CLO4	NA	NA	NA	NA	
134W-1	1901623	MUNICIPAL	DESTROYED	TCE	56.0	10/93	56.0	10/93	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				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	
				NO3	43.0	06/87	40.9	10/93	
				CLO4	NA	NA	NA	NA	
135W-1	1901624	MUNICIPAL	DESTROYED	TCE	0.8	03/85	0.3	05/85	
				NO3	59.0	02/86	47.5	09/86	
				CLO4	NA	NA	NA	NA	
136W-1	1901625	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	
				NO3	48.0	01/77	37.6	10/93	
				CLO4	NA	NA	NA	NA	
139W-1	1901598	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	
				NO3	99.2	05/94	92.9	07/96	
				CLO4	NA	NA	NA	NA	
139W-2	1901599	MUNICIPAL	INACTIVE	TCE	18.7	09/80	ND	10/08	VULNERABLE
				PCE	12.1	03/80	ND	10/08	(VOCS)
				CTC	0.8	09/80	ND	10/08	
				CF	0.6	10/08	0.6	10/08	
				NO3	103.5	10/08	103.5	10/08	
				CLO4	34.0	10/08	34.0	10/08	
139W-4	8000069	MUNICIPAL	ACTIVE	TCE	4.7	04/97	ND	02/09	VULNERABLE
				MC	0.7	09/07	ND	02/09	(VOCS AND NO3)
				NO3	46.0	09/07	43.7	02/09	
				CLO4	12.0	12/03	9.4	02/09	
139W-5	8000095	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	
				MC	2.4	09/97	ND	08/01	
				NO3	13.0	06/01	13.0	08/01	
				CLO4	2.0	09/97	ND	11/99	
139W-6	8000152	MUNICIPAL	INACTIVE	TCE	51.2	02/01	0.4	10/08	VULNERABLE
				PCE	2.8	02/01	ND	10/08	(VOCS AND NO3)
				CTC	1.9	02/01	ND	10/08	
				1,2-DCA	1.6	02/01	ND	10/08	
				NO3	42.8	10/08	42.8	10/08	
				CLO4	35.4	11/00	12.0	10/08	
140W-1	1901602	MUNICIPAL	DESTROYED	TCE	1.0	01/80	1.0	01/80	
				NO3	86.9	04/73	68.0	05/75	
				CLO4	NA	NA	NA	NA	
140W-3	1903067	MUNICIPAL	ACTIVE	TCE	13.6	03/80	ND	12/07	VULNERABLE
				PCE	1.0	06/88	ND	12/07	(VOCS, NO3, AND CLO4)
				CTC	1.0	09/81	ND	12/07	
				NO3	78.0	03/85	9.9	12/08	
				CLO4	16.0	12/05	4.5	12/08	
140W-4	8000093	MUNICIPAL	ACTIVE	TCE	7.0	01/96	1.5	11/06	VULNERABLE
				NO3	36.4	10/03	36.3	12/04	(VOCS AND NO3)
				CLO4	12.6	10/03	11.6	12/04	
140W-5	8000145	MUNICIPAL	ACTIVE	TCE	21.0	02/91	6.2	05/09	VULNERABLE
				PCE	1.0	06/07	ND	05/09	(NO3)
				NO3	30.0	03/09	20.0	05/09	
				CLO4	9.8	10/08	6.1	06/09	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
142W-1	1901597	MUNICIPAL	DESTROYED	VOCS	ND	02/80	ND	07/82	
				NO3	74.0	06/81	74.0	06/81	
				CLO4	NA	NA	NA	NA	
142W-2	8000183	MUNICIPAL	ACTIVE	VOCS	ND	03/04	ND	05/09	
				NO3	9.3	11/04	7.9	05/09	
				CLO4	2.7	03/09	ND	05/09	
147W-1	1901596	MUNICIPAL	DESTROYED	TCE	23.0	03/85	23.0	03/85	
				PCE	1.2	03/85	1.2	03/85	
				NO3	100.0	03/85	100.0	03/85	
				CLO4	NA	NA	NA	NA	
147W-2	1902760	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	54.0	09/74	54.0	09/74	
				CLO4	NA	NA	NA	NA	
147W-3	8000077	MUNICIPAL	ACTIVE	TCE	4.1	01/92	3.5	05/09	VULNERABLE
				PCE	4.4	04/89	2.7	05/09	(VOCS)
				1,1-DCE	8.9	01/89	3.3	05/09	
				1,1-DCA	4.8	05/89	ND	05/09	
				NO3	19.8	09/88	8.8	05/09	
				CLO4	2.7	04/09	2.2	05/09	
148W-1	1901604	MUNICIPAL	DESTROYED	TCE	0.8	06/80	ND	04/97	
				NO3	47.0	02/76	34.8	04/97	
				CLO4	NA	NA	NA	NA	
149W-1	1902119	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
150W-1	1902519	MUNICIPAL	DESTROYED	TCE	6.0	09/81	ND	08/93	
				NO3	53.0	03/86	13.4	08/94	
				CLO4	NA	NA	NA	NA	
151W-1	1902518	MUNICIPAL	DESTROYED	VOCS	ND	01/80	ND	03/98	
				NO3	116.0	03/98	116.0	03/98	
				CLO4	21.6	03/98	21.6	03/98	
151W-2	8000207	MUNICIPAL	ACTIVE	VOCS	ND	05/09	ND	05/09	
				NO3	4.4	04/09	4.4	05/09	
				CLO4	ND	04/09	ND	05/09	
152W-1	1900337	MUNICIPAL	DESTROYED	TCE	12.8	11/82	8.0	03/85	
				PCE	0.8	11/82	0.3	03/85	
				NO3	43.4	05/86	43.4	05/86	
				CLO4	NA	NA	NA	NA	
153W-1	1902761	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
154W-1	1902762	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	81.0	05/79	81.0	05/79	
				CLO4	NA	NA	NA	NA	
155W-1	1902819	MUNICIPAL	INACTIVE	PCE	190.0	11/80	90.0	11/98	VULNERABLE
				TCE	50.0	07/81	24.0	11/98	(CLO4)
				CTC	19.0	02/82	ND	11/98	
				1,1-DCE	16.0	03/85	13.0	11/98	
				NO3	60.0	11/80	49.8	11/98	
				CLO4	5.4	11/98	5.4	11/98	
155W-2	1902820	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	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	49.0	11/98	49.0	11/98	
				CLO4	4.3	11/98	ND	11/98	
157W-1	1902763	MUNICIPAL	DESTROYED	TCE	12.2	02/80	ND	03/85	
				NO3	58.0	02/86	58.0	02/86	
				CLO4	NA	NA	NA	NA	
201W-1	1901429	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
201W-2	1901430	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	
				NO3	6.8	08/94	6.3	08/06	
				CLO4	ND	08/97	ND	09/03	
201W-3	1901431	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
201W-4	1901433	MUNICIPAL	ACTIVE	TCE	6.4	09/89	ND	02/09	VULNERABLE
				PCE	4.1	09/88	ND	02/09	(VOCS)
				1,1-DCE	2.0	07/88	ND	02/09	
				C-1,2-DCE	5.2	05/97	ND	02/09	
				BF	4.7	11/07	2.2	02/09	
				DBCM	1.9	11/07	1.0	02/09	
				NO3	12.0	08/08	12.0	08/08	
				CLO4	ND	06/97	ND	08/08	
201W-5	1901432	MUNICIPAL	ACTIVE	TCE	6.4	09/89	ND	03/08	VULNERABLE
				PCE	3.8	09/89	ND	03/08	(VOCS)
				1,1-DCE	2.9	09/88	ND	03/08	
				C-1,2-DCE	4.9	08/88	ND	03/08	
				BDCM	1.7	11/07	ND	03/08	
				BF	6.4	11/07	0.6	03/08	
				DBCM	4.6	11/07	ND	03/08	
				NO3	12.0	08/94	12.0	08/07	
				CLO4	ND	06/97	ND	06/03	
201W-6	1901434	MUNICIPAL	DESTROYED	TCE	3.9	05/88	ND	09/05	VULNERABLE
				PCE	3.3	05/88	ND	09/05	(VOCS)
				1,1-DCE	3.2	09/88	ND	09/05	
				C-1,2-DCE	8.7	05/88	ND	09/05	
				NO3	20.0	06/85	7.7	05/05	
				CLO4	ND	06/97	ND	06/03	
201W-7	8000195	MUNICIPAL	ACTIVE	PCE	0.6	08/08	ND	05/09	
				C-1,2-DCE	0.9	08/08	ND	05/09	
				NO3	8.6	08/08	8.6	08/08	
				CLO4	ND	08/08	ND	08/08	
201W-8	8000198	MUNICIPAL	ACTIVE	TCE	0.5	05/07	ND	05/09	
				C-1,2-DCE	1.1	05/07	ND	05/09	
				EBZ	0.8	07/06	ND	05/09	
				NO3	7.3	09/06	3.6	11/08	
				CLO4	2.1	07/06	ND	08/08	
201W-9	8000208	MUNICIPAL	ACTIVE	VOCS	ND	11/08	ND	05/09	
				NO3	12.0	03/08	12.0	02/09	
				CLO4	ND	03/08	ND	08/08	
201W-10	NA	MUNICIPAL	ACTIVE	TCE	1.4	09/07	1.0	05/09	
				PCE	1.3	09/07	0.8	05/09	
				C-1,2-DCE	3.0	09/07	1.7	05/09	
				NO3	3.8	09/07	2.8	05/09	
				CLO4	ND	09/07	ND	05/09	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
202W-1	1901627	MUNICIPAL	DESTROYED	TCE	4.3	09/81	ND	01/89	
				PCE	15.0	10/88	12.1	01/89	
				NO3	24.0	07/87	23.0	10/88	
				CLO4	NA	NA	NA	NA	
SUNNY SLOPE WATER COMPANY									
08	1900026	MUNICIPAL	ACTIVE	VOCS	ND	01/87	ND	09/08	VULNERABLE
				NO3	24.0	09/94	18.0	06/09	(NO3)
				CLO4	ND	07/97	ND	09/08	
09	1902792	MUNICIPAL	ACTIVE	VOCS	ND	01/85	ND	12/08	VULNERABLE
				NO3	36.0	06/03	13.0	06/09	(NO3)
				CLO4	ND	07/97	ND	09/08	
10	8000048	MUNICIPAL	INACTIVE	VOCS	ND	01/85	ND	08/96	
				NO3	63.6	12/94	50.9	08/96	
				CLO4	NA	NA	NA	NA	
13	8000157	MUNICIPAL	ACTIVE	VOCS	ND	08/96	ND	09/08	
				NO3	6.5	09/08	6.5	09/08	
				CLO4	ND	07/97	ND	09/08	
TAYLOR HERB GARDEN									
NA	1902964	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
TEXACO INC.									
14	1900001	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	
				MC	4.6	04/87	ND	09/03	
				NO3	33.0	07/01	6.4	09/03	
				CLO4	ND	09/97	ND	09/97	
THOMPSON, EARL W.									
01	1900680	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
TOMOVICH (NICK) & SON									
NA	8000037	DOMESTIC	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
TYLER NURSERY									
NA	8000049	IRRIGATION	ACTIVE	TCE	12.9	12/99	1.2	09/04	VULNERABLE
				PCE	44.6	12/99	1.2	09/04	(VOCS AND NO3)
				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	
				NO3	31.0	09/02	ND	09/04	
				CLO4	NA	NA	NA	NA	
UNITED CONCRETE PIPE CORPORATION									
NA	8000067	INDUSTRIAL	INACTIVE	VOCS	ND	08/89	ND	10/08	
				NO3	4.3	08/89	4.3	08/89	
				CLO4	NA	NA	NA	NA	
UNITED ROCK PRODUCTS CORPORATION									
IRW-1	1900106	INDUSTRIAL	ACTIVE	VOCS	ND	08/89	ND	10/08	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	6.4	07/96	2.7	10/08	
				CLO4	ND	02/98	ND	02/98	
IRW-2	1903062	INDUSTRIAL	ACTIVE	VOCS	ND	07/96	ND	11/05	
				NO3	4.5	10/04	2.6	11/05	
				CLO4	ND	02/98	ND	02/98	
SIERRA	1902532	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
VALENCIA HEIGHTS WATER COMPANY									
01	8000051	MUNICIPAL	ACTIVE	MC	0.7	06/89	ND	07/08	VULNERABLE
				NO3	46.5	04/99	32.6	07/07	(NO3 AND CLO4)
				CLO4	8.5	08/00	ND	05/09	
02	8000052	MUNICIPAL	ACTIVE	TCE	0.2	01/80	ND	07/08	VULNERABLE
				NO3	53.7	07/97	27.0	07/06	(NO3 AND CLO4)
				CLO4	8.0	10/98	4.2	07/08	
03A	8000055	MUNICIPAL	DESTROYED	VOCS	ND	03/85	ND	03/92	
				NO3	34.8	09/89	12.1	08/92	
				CLO4	NA	NA	NA	NA	
04	8000054	MUNICIPAL	INACTIVE	PCE	1.0	09/99	ND	09/01	
				NO3	90.0	11/97	78.0	03/02	
				CLO4	32.6	11/00	28.0	03/02	
05	8000120	MUNICIPAL	ACTIVE	VOCS	ND	06/90	ND	07/08	VULNERABLE
				NO3	34.0	12/99	24.5	07/07	(NO3 AND CLO4)
				CLO4	7.2	11/00	ND	05/09	
06	8000180	MUNICIPAL	ACTIVE	CF	13.0	12/02	ND	07/08	VULNERABLE
				NO3	49.3	06/04	42.0	10/08	(NO3)
				CLO4	8.9	01/07	6.5	05/09	
07	NA	MUNICIPAL	INACTIVE	VOCS	ND	05/08	ND	05/08	
				NO3	20.0	05/08	20.0	05/08	
				CLO4	ND	05/08	ND	05/08	
VALLEY COUNTY WATER DISTRICT									
ARROW	1900034	MUNICIPAL	INACTIVE	TCE	700.0	07/82	600.0	12/96	VULNERABLE
				PCE	980.0	12/96	980.0	12/96	(NO3) (3)
				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	
				NO3	26.4	08/96	26.4	08/96	
				CLO4	NA	NA	NA	NA	
B DALTON	1900035	MUNICIPAL	INACTIVE	TCE	137.0	04/85	7.5	09/07	
				PCE	8.0	04/85	1.0	09/07	
				1,1-DCA	0.9	05/96	ND	09/07	
				C-1,2-DCE	2.0	11/95	0.3	09/07	
				CTC	9.9	04/85	0.5	09/07	
				1,2-DCA	11.0	12/98	1.6	09/07	
				NO3	63.0	09/07	63.0	09/07	
				CLO4	99.1	12/98	20.0	09/07	
E NIXON (E JOAN)	1900032	MUNICIPAL	ACTIVE	TCE	7.0	11/08	1.9	06/09	(1)
				PCE	11.0	10/04	5.8	06/09	
				1,1-DCE	1.3	10/04	ND	06/09	
				C-1,2-DCE	1.7	10/04	0.5	06/09	
				NO3	13.6	02/05	5.5	08/08	
				CLO4	ND	05/97	ND	08/08	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
E MAINE	1900027	MUNICIPAL	ACTIVE	TCE	36.0	10/04	2.2	06/09	VULNERABLE
				PCE	110.0	10/04	4.8	06/09	(VOCS AND CLO4) (1)
				1,1-DCE	10.1	02/91	ND	06/09	
				1,2-DCA	1.4	10/04	ND	06/09	
				1,1,1-TCA	9.1	02/91	ND	06/09	
				C-1,2-DCE	13.0	06/03	ND	06/09	
				CF	1.1	10/04	ND	06/09	
				NO3	20.2	05/04	15.0	06/09	
				CLO4	7.8	10/04	1.6	03/09	
LANTE (SA1-3)	8000060	MUNICIPAL	ACTIVE	TCE	1315.0	04/98	110.0	04/09	VULNERABLE
				PCE	1200.0	11/96	300.0	04/09	(NO3) (3)
				1,1-DCE	110.0	11/96	16.0	04/09	
				C-1,2-DCE	90.0	11/96	13.0	04/09	
				T-1,2-DCE	110.0	04/85	ND	04/09	
				1,1-DCA	18.0	08/04	ND	04/09	
				1,2-DCA	12.5	01/92	ND	04/09	
				CTC	17.6	01/92	3.2	01/09	
				1,1,1-TCA	170.0	04/85	ND	04/09	
				MC	24.4	05/87	ND	04/09	
				CF	3.2	05/06	1.6	04/09	
				o-DCB	0.6	08/04	ND	12/08	
				p-DCB	3.1	08/04	ND	12/08	
				NO3	43.0	05/05	34.0	06/09	
				CLO4	94.0	04/98	13.0	04/09	
MORADA	1900029	MUNICIPAL	INACTIVE	TCE	770.0	03/80	0.7	10/08	VULNERABLE
				PCE	100.0	02/85	1.8	10/08	(VOCS)
				CTC	29.0	04/84	ND	10/08	
				1,1-DCE	2.5	04/88	ND	10/08	
				1,1-DCA	8.5	02/85	ND	10/08	
				1,2-DCA	0.7	04/88	ND	10/08	
				C-1,2-DCE	8.1	08/95	ND	10/08	
				CF	1.7	10/08	1.7	10/08	
				NO3	110.8	11/90	67.5	10/08	
				CLO4	21.0	02/04	9.2	10/08	
PADDY LN	1900031	MUNICIPAL	INACTIVE	TCE	166.0	04/94	25.0	10/08	
				PCE	42.0	11/93	2.8	10/08	
				CF	4.4	02/04	2.0	10/08	
				CTC	15.0	12/87	0.7	10/08	
				1,1-DCE	17.2	11/93	0.7	10/08	
				C-1,2-DCE	23.8	11/93	1.9	10/08	
				1,2-DCA	6.6	02/04	2.8	10/08	
				NO3	49.5	10/08	49.5	10/08	
				CLO4	154.0	02/98	60.0	10/08	
PALM	8000039	MUNICIPAL	INACTIVE	CTC	48.0	07/82	0.8	02/04	VULNERABLE
				TCE	56.0	02/04	56.0	02/04	(CLO4)
				PCE	51.0	02/04	51.0	02/04	
				CF	0.7	02/04	0.7	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	
				NO3	11.0	12/94	10.0	02/04	
				CLO4	5.6	02/04	5.6	02/04	
W NIXON (W JOAN)	1902356	MUNICIPAL	ACTIVE	TCE	4.0	11/04	ND	06/09	VULNERABLE
				PCE	8.0	11/04	ND	06/09	(VOCS) (1)
				MC	1.6	05/89	ND	08/08	
				NO3	8.5	02/05	3.8	08/08	
				CLO4	ND	05/97	ND	08/08	
W MAINE	1900028	MUNICIPAL	ACTIVE	TCE	47.3	02/91	3.6	06/09	VULNERABLE
				PCE	70.0	02/03	9.4	06/09	(CLO4) (1)
				1,1-DCE	14.2	02/91	0.6	06/09	
				1,2-DCA	0.8	08/04	ND	06/09	
				1,1,1-TCA	10.6	02/91	ND	06/09	
				C-1,2-DCE	9.0	02/03	0.7	06/09	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	20.8	05/90	9.8	06/09	
				CLO4	6.3	10/04	1.3	03/09	
SA1-1	8000185	MUNICIPAL	ACTIVE	TCE	34.0	07/05	4.1	01/09	(1)
				PCE	47.0	04/07	6.5	01/09	
				1,1-DCA	11.0	07/05	0.5	01/09	
				1,1-DCE	110.0	07/05	7.9	01/09	
				1,2-DCA	1.0	07/05	ND	01/09	
				C-1,2-DCE	4.1	07/05	0.6	01/09	
				1,1,1-TCA	6.0	05/06	ND	01/09	
				CF	1.6	12/04	0.5	01/09	
				MC	2.2	04/07	ND	01/09	
				NO3	87.0	01/05	78.0	02/09	
				CLO4	17.0	01/05	10.0	02/09	
SA1-2	8000186	MUNICIPAL	ACTIVE	TCE	25.0	04/06	4.3	04/09	(1)
				PCE	37.0	05/06	9.0	04/09	
				1,1-DCA	8.7	07/05	ND	04/09	
				1,1-DCE	62.0	04/06	3.6	04/09	
				1,2-DCA	1.0	07/05	ND	04/09	
				C-1,2-DCE	6.2	07/05	0.4	04/09	
				1,1,1-TCA	2.2	05/06	ND	04/09	
				CF	1.3	05/06	0.4	04/09	
				NO3	72.0	03/05	53.0	06/09	
				CLO4	15.0	03/05	11.0	04/09	
VALLEY VIEW MUTUAL WATER COMPANY									
01	1900363	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	09/08	
				NO3	5.7	11/95	5.1	01/09	
				CLO4	ND	08/97	ND	09/08	
02	1900364	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/08	
				NO3	6.9	09/94	4.4	09/08	
				CLO4	ND	08/97	ND	09/08	
03	1900365	MUNICIPAL	INACTIVE	TCE	1.3	01/80	ND	03/98	VULNERABLE
				NO3	26.9	03/98	26.9	03/98	(NO3)
				CLO4	18.6	03/98	18.6	03/98	
VIA TRUST									
01	1903012	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
VULCAN MATERIALS COMPANY (CALMAT COMPANY)									
DUR E	1902920	INDUSTRIAL	ACTIVE	TCE	32.0	11/04	2.3	10/08	VULNERABLE
				PCE	27.0	11/04	3.8	10/08	(VOCS)
				1,1-DCE	5.3	11/04	ND	10/08	
				C-1,2-DCE	2.8	11/04	ND	10/08	
				1,1,1-TCA	0.7	11/04	ND	10/08	
				CF	0.7	11/04	ND	10/08	
				MC	1.1	10/06	ND	10/08	
				NO3	16.2	10/04	9.0	10/08	
				CLO4	ND	04/98	ND	10/08	
DUR W	8000063	INDUSTRIAL	ACTIVE	PCE	0.8	02/07	ND	10/08	VULNERABLE
				NO3	16.0	07/01	12.0	10/08	(CLO4)
				CLO4	4.0	05/98	4.0	05/98	
REL 1	1903088	INDUSTRIAL	ACTIVE	VOCS	ND	05/94	ND	10/08	
				NO3	6.5	09/02	6.4	10/08	
				CLO4	ND	05/98	ND	05/98	
WADE, RICHARD I.									
NA	8000056	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	

APPENDIX C

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WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
WEST COVINA VENTURE LIMITED									
NA	1902970	NA	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
WILMOTT, ERMA M.									
01	8000006	DOMESTIC	ACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
WOODLAND, RICHARD									
01	1902949	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1902950	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
ROSE HILLS MEMORIAL PARK (WORKMAN MILL INVESTMENT COMPANY)									
04	1902790	IRRIGATION	ACTIVE	PCE	5.3	08/87	ND	10/08	VULNERABLE
				TCE	11.0	04/85	ND	10/08	(VOCS AND NO3)
				1,1-DCE	14.0	04/85	ND	10/08	
				1,1,1-TCA	3.3	04/85	ND	10/08	
				NO3	52.8	02/07	39.0	10/08	
				CLO4	ND	06/98	ND	06/98	
01	1900132	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
				NO3	NA	NA	NA	NA	
				CLO4	NA	NA	NA	NA	
02	1900095	IRRIGATION	ACTIVE	PCE	8.6	04/85	ND	10/04	VULNERABLE
				TCE	11.0	04/85	ND	10/04	(VOCS)
				NO3	91.4	10/04	91.4	10/04	
				CLO4	ND	06/98	ND	06/98	
01	1900094	IRRIGATION	ACTIVE	TCE	6.1	04/87	ND	10/08	VULNERABLE
				PCE	6.4	11/87	1.0	10/08	(VOCS AND NO3)
				1,2-DCA	0.8	01/96	ND	10/08	
				1,1-DCE	1.0	04/87	ND	10/08	
				C-1,2-DCE	2.6	05/85	ND	10/08	
				NO3	45.2	02/98	26.0	10/08	
				CLO4	ND	02/98	ND	02/98	
03	1900052	IRRIGATION	ACTIVE	TCE	21.0	05/85	ND	09/05	VULNERABLE
				PCE	7.4	05/85	ND	09/05	(VOCS AND NO3)
				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	
				NO3	46.4	08/00	25.7	09/05	
				CLO4	ND	02/98	ND	02/98	
WHITTIER, CITY OF									
09	1901745	MUNICIPAL	DESTROYED	TCE	1.4	04/85	ND	08/89	
				PCE	1.9	10/88	0.6	08/89	
				NO3	8.8	08/89	8.8	08/89	
				CLO4	NA	NA	NA	NA	
10	1901746	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
				NO3	6.6	01/74	6.6	01/74	

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
				CLO4	NA	NA	NA	NA	
11	1901747	MUNICIPAL	DESTROYED	VOCS	ND	06/87	ND	11/90	
				NO3	10.1	01/90	10.1	01/90	
				CLO4	NA	NA	NA	NA	
12	1901748	MUNICIPAL	DESTROYED	TCE	1.5	07/88	1.5	07/88	
				PCE	0.7	07/88	0.7	07/88	
				NO3	10.0	12/84	8.5	12/85	
				CLO4	NA	NA	NA	NA	
13	1901749	MUNICIPAL	ACTIVE	PCE	4.9	11/87	ND	06/09	VULNERABLE
				TCE	1.1	06/87	ND	06/09	(VOCS) (3)
				MTBE	6.4	03/02	ND	06/09	
				NO3	13.1	03/05	6.4	03/09	
				CLO4	ND	08/97	ND	09/08	
15	8000071	MUNICIPAL	ACTIVE	PCE	9.4	03/03	1.1	06/09	VULNERABLE
				TCE	0.7	09/04	ND	06/09	(VOCS) (3)
				C-1,2-DCE	2.5	12/93	ND	06/09	
				NO3	13.0	08/89	6.3	09/08	
				CLO4	ND	08/97	ND	09/08	
16	8000110	MUNICIPAL	ACTIVE	PCE	3.4	12/02	1.7	06/09	VULNERABLE
				TCE	1.4	01/97	ND	06/09	(VOCS) (3)
				C-1,2-DCE	2.5	10/96	ND	06/09	
				NO3	9.6	09/89	7.0	03/09	
				CLO4	ND	08/97	ND	09/08	
17	8000135	MUNICIPAL	ACTIVE	PCE	12.0	12/02	3.3	09/08	VULNERABLE
				TCE	2.2	05/92	0.5	09/08	(VOCS) (3)
				C-1,2-DCE	1.2	04/95	ND	09/08	
				NO3	13.0	03/03	9.1	03/08	
				CLO4	ND	08/97	ND	09/08	
18	8000136	MUNICIPAL	ACTIVE	PCE	9.2	09/08	8.2	06/09	
				TCE	2.4	11/95	1.6	06/09	
				C-1,2-DCE	0.7	10/96	ND	06/09	
				NO3	14.7	03/05	14.0	03/09	
				CLO4	ND	08/97	ND	09/08	
EW4-5	8000200	MUNICIPAL	ACTIVE	PCE	29.0	10/06	15.8	03/09	(1)
				TCE	4.1	10/06	1.7	03/09	
				NO3	16.0	12/05	13.0	12/08	
				CLO4	ND	12/05	ND	12/08	
EW4-6	8000201	MUNICIPAL	ACTIVE	PCE	8.1	06/06	0.3	03/09	VULNERABLE
				TCE	1.1	10/06	ND	03/09	(VOCS) (1)
				NO3	15.0	11/06	11.0	12/08	
				CLO4	ND	05/06	ND	12/08	
EW4-7	8000202	MUNICIPAL	ACTIVE	PCE	8.2	01/06	3.4	03/09	VULNERABLE
				TCE	1.8	02/06	0.3	03/09	(VOCS) (1)
				NO3	18.0	01/06	11.0	12/08	
				CLO4	ND	12/05	ND	12/08	

NOTES

ABBREVIATION	CONTAMINANT	MAXIMUM CONTAMINANT LEVEL	METHOD DETECTION LIMIT	REMARKS	
1,1-DCA	1,1-Dichloroethane	5 micrograms per liter (ug/L)	0.5 ug/L	(1)	Existing VOC treatment
1,1-DCE	1,1-Dichloroethylene	6 ug/L	0.5 ug/L	(2)	VOC treatment under construction
1,1,1-TCA	1,1,1-Trichloroethane	200 ug/L	0.5 ug/L	(3)	VOC treatment proposed.
1,1,2,2-PCA	1,1,2,2-Tetrachloroethane	1 ug/L	0.5 ug/L	(4)	Existing CLO4 treatment
1,2-DCA	1,2-Dichloroethane	0.5 ug/L	0.5 ug/L	NA	Not Available
BDCM	Bromodichloromethane	NA	0.5 ug/L	ND	Not Detected
BF	Bromoform	NA	0.5 ug/L	NL	Notification Level
CF	Chloroform	100 ug/L	0.5 ug/L	VOCS	Volatile Organic Compounds
CLO4	Perchlorate	6 ug/L	3.0 ug/L		

APPENDIX C

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF JUNE 30, 2009)

WELL NAME	RECORDATION NUMBER	USAGE	STATUS	CONCENTRATION (NO3 IN MG/L, OTHERS IN UG/L)					REMARKS
				CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
					VALUE	DATE	VALUE	DATE	
	CTC	Carbon Tetrachloride		0.5 ug/L		0.5 ug/L			
	C-1,2-DCE	Cis-1,2-Dichloroethylene		6 ug/L		0.5 ug/L			
	DBCM	Dibromochloromethane		NA		0.5 ug/L			
	EBZ	Ethylbenzene		300 ug/L		0.5 ug/L			
	FREON 11	Trichlorofluoromethane		150 ug/L		5.0 ug/L			
	FREON 113	Trichlorotrifluoroethane		1200 ug/L		10.0 ug/L			
	MC	Methylene Chloride		5 ug/L		0.5 ug/L			
	MTBE	Methyl Tert-Butyl Ether		5 ug/L		1.0 ug/L			
	NO3	Nitrate as Nitrate		45 milligrams per liter (mg/L)		2.0 mg/L			
	o-DCB	1,2-Dichlorobenzene		600 ug/L		0.5 ug/L			
	p-DCB	1,4-Dichlorobenzene		5 ug/L		0.5 ug/L			
	PCE	Tetrachloroethylene		5 ug/L		0.5 ug/L			
	TCE	Trichloroethylene		5 ug/L		0.5 ug/L			
	T-1,2-DCE	Trans-1,2-Dichloroethylene		10 ug/L		0.5 ug/L			
	VC	Vinyl Chloride		0.5 ug/L		0.5 ug/L			

APPENDIX D.

POTENTIAL SITES FOR AQUIFER PERFORMANCE TESTS

APPENDIX D

POTENTIAL SITES FOR AQUIFER PERFORMANCE TESTS

NAME	RECORD.	USAGE	STATUS	PERFO. (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. 11	8000178	MUNICIPAL	ACTIVE	200-320	PUMPING	
NO. 12	8000179	MUNICIPAL	ACTIVE	206-311	MONITORING	
CALIFORNIA DOMESTIC WATER COMPANY						
05A	8000100	MUNICIPAL	ACTIVE	?-920	PUMPING	
06	1902967	MUNICIPAL	ACTIVE	200-800	MONITORING	
CHAMPION MUTUAL WATER COMPANY						
01	1900908	MUNICIPAL	INACTIVE	100-130	MONITORING	
02	1902816	MUNICIPAL	ACTIVE	152-265	PUMPING	
03	8000121	MUNICIPAL	ACTIVE	107-299	MONITORING	
VULCAN MATERIALS COMPANY (CALMAT COMPANY						
DUR E	1902920	INDUSTRIAL	ACTIVE	238-484	PUMPING	
DUR W	8000063	INDUSTRIAL	ACTIVE	?-525	MONITORING	
GLENDORA, CITY OF						
05-E	8000149	MUNICIPAL	ACTIVE	150-400	PUMPING	
NA	1903119	INDUSTRIAL	ACTIVE	?-220	MONITORING	OWL ROCK PRODUCTS WELL
MONTEREY PARK, CITY OF						
15	8000196	MUNICIPAL	ACTIVE	200-425	PUMPING	
04	1902664	IRRIGATION	ACTIVE	260-752	MONITORING	LAC DEPARTMENT OF PUBLIC WORKS
06	1902666	IRRIGATION	ACTIVE	226-475	MONITORING	LAC DEPARTMENT OF PUBLIC WORKS
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)						
-	1900094	IRRIGATION	ACTIVE	137-264	PUMPING	
-	8000004	MUNICIPAL	INACTIVE	?-200	MONITORING	BEVERLY ACRES MWC
RURBAN HOMES MUTUAL WATER COMPANY						
NORTH 1	1900120	MUNICIPAL	ACTIVE	140-190	MONITORING	
SOUTH 2	1900121	MUNICIPAL	ACTIVE	125-165	PUMPING	
SAN GABRIEL COUNTY WATER DISTRICT						
05 BRA	1901669	MUNICIPAL	ACTIVE	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	PERFO. (1)	FUNCTION	REMARKS
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL VALLEY DISTRIC						
FAR 1	1902034	MUNICIPAL	ACTIVE	274-455	PUMPING	
FAR 2	1902948	MUNICIPAL	ACTIVE	229-600	MONITORING	
GAR 1	1900513	MUNICIPAL	ACTIVE	?-424	MONITORING	ALTERNATE FOR MONTEREY PARK SITE
GAR 2	1900512	MUNICIPAL	ACTIVE	377-404	PUMPING	
GRA 1	1902030	MUNICIPAL	STANDBY	NA	PUMPING	
GRA 2	1902461	MUNICIPAL	STANDBY	400-475	MONITORING	
SG 1	1900510	MUNICIPAL	ACTIVE	190-411	MONITORING	
SG 2	1900511	MUNICIPAL	ACTIVE	209-393	PUMPING	
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRIC						
COL-4	1902268	MUNICIPAL	ACTIVE	122-190	PUMPING	
COL-6	1902270	MUNICIPAL	ACTIVE	?-414	MONITORING	
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	NA	MUNICIPAL	NA	NA	MONITORING	
VALENCIA HEIGHTS WATER COMPANY						
05	8000120	MUNICIPAL	ACTIVE	230-720	PUMPING	
07	NA	MUNICIPAL	ACTIVE	244-724	MONITORING	
VALLEY COUNTY WATER DISTRICT						
E NIXON (JOAN)	1900032	MUNICIPAL	ACTIVE	300-586	MONITORING	ALTERNATE FOR MAINE SITE
W NIXON (JOAN)	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	

NOTES

NA NOT AVAILABLE

(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

SUMMARY OF TREATMENT FACILITY ACTIVITY
IN THE MAIN SAN GABRIEL BASIN
AS OF JUNE 30, 2009

Operable Unit	Treatment Facility Owner	Treatment Facility(s)	Start Date 1/	Total Water Treated: Fiscal Year 2008-09 (Acre-feet)	Total Water Treated: Accum. Total (Acre-feet)	Total Contaminants Removed: Fiscal Year 2008-09 (Pounds)	Total Contaminants Removed: Accum. Total (Pounds)
AREA 3							
	ALHAMBRA, CITY OF	Well No. 7	July 2001	859.00	7,092.35	12.4	125.0
		Well No. 7, 8, 11 & 12	April 2009	12.00	12.00	0.8	0.8
BPOU							
	LA PUENTE VALLEY COUNTY WATER DISTRICT	Well No. 2, 3 & 4	August 1992	—	11,493.13	—	826.9
		Well No. 2 & 3 (BPOU)	January 2000	3,795.32	27,634.85	734.0	7,053.7
	SAN GABRIEL VALLEY WATER COMPANY	Well B6C	April 1994	—	5,194.17	—	856.2
		Well B6D	April 1994	—	14,526.27	—	421.7
		Plant B6 (BPOU)	September 2004	8,149.12	40,400.02	1,852.2	7,864.0
		Plant B5 (BPOU)	January 2007	9,428.36	18,694.61	204.5	459.5
	VALLEY COUNTY WATER DISTRICT	Lante	June 1984	—	7,719.61	—	10,356.7
		Lante, SA1-1 & SA1-2 (BPOU)	December 2004	8,088.89	25,540.27	5,934.0	14,098.2
EMOU							
	ADAMS RANCH MUTUAL WATER COMPANY	Well No. 3	November 2003	66.59	442.59	1.4	16.4
	GOLDEN STATE WATER COMPANY (SGV)	Encinita No. 1, 2 & 3	April 1998	1,155.39	12,423.91	27.8	311.2
PVOU							
	BDP - CARRIER	Carrier	April 1988	228.57	5,817.01	19.9	2,750.6
SEMOU							
	MONTEREY PARK, CITY OF	Well No. 5	September 1999	1,890.34	10,051.09	182.4	719.3
		Well No. 9 & 12, 15	April 2002	4,742.26	27,206.15	859.2	3,510.4
	SAN GABRIEL VALLEY WATER COMPANY	Well 8B, 8C, 8D & 8E	August 2002	2,148.31	22,535.47	291.6	2,006.8
WNOU							
	EPA	WNOU (Shallow Zone)	December 1999	2,073.82	23,119.47	11.8	1,610.1
	WHITTIER, CITY OF	WNOU (Intermediate Zone)	December 2005	2,325.57	16,538.91	77.1	749.7
PRODUCER FACILITY							
	ARCADIA, CITY OF	Longden 1 & 2	January 1985	778.89	62,657.80	11.4	696.3
	BOZUNG	Well B36, F38, F39 & BC34 2/	October 1994	—	233.00	—	131.3
	CALIFORNIA DOMESTIC WATER COMPANY	Well No. 3, Well No. 5A, Well No. 6 & Well No. 14	September 1993 April 1997	14,895.72	223,945.22	1,084.3	6,360.5
	EL MONTE, CITY OF	Well No. 12	February 1997	739.81	12,392.75	87.4	650.7
		Well No. 10	May 2004	454.79	3,356.07	2.9	27.8
		Well No. 2A	July 1999	383.59	5,161.07	5.0	94.2
	EPA	Richwood (North Well) 3/	April 1990	—	451.98	—	5.8
		Richwood (South Well) 3/	April 1990				
	GOLDEN STATE WATER COMPANY (SGV)	San Gabriel No.1 & 2	November 2001	1,357.30	6,663.09	31.1	289.0
	GOLDEN STATE WATER COMPANY (SD)	Art 2 & 3, Base 3 & 4, Hwy 1	May 2005	1,479.60	6,875.05	23.2	62.2
	HEMLOCK MUTUAL WATER COMPANY	Hemlock (North Well) 4/	April 1986	—	2,553.65	—	44.6
		Hemlock (South Well) 4/	April 1986				
	MONROVIA, CITY OF	Wells No. 2 & 6	March 1996	2,449.06	28,860.12	58.0	481.6
		Wells No. 3, 4 & 5	October 2007	1,043.51	1,537.45	9.5	13.9
	MONTEREY PARK, CITY OF	Well No. 1, 3 & 10	June 2004	2,404.23	13,506.89	131.8	1,152.5
	SAN GABRIEL VALLEY WATER COMPANY	Well 11B	March 1991	1,620.25	37,725.65	5.9	300.1
		Well B11B	March 1993	1,459.53	34,869.38	93.2	2,546.5
		Well B7C	March 1993	2,326.70	39,448.91	83.7	1,501.7
		Well B4B & B4C	January 1999	—	24,093.04	—	1,233.5
		Well G4A	December 2005	451.60	2,707.72	5.8	46.1
	SUBURBAN WATER SYSTEMS	Well No. 140W-4 4/	May 2001	—	2,247.59	—	16.2
	VALLEY COUNTY WATER DISTRICT	Maine East & West	June 1990	3,042.66	29,129.30	46.0	1,644.5
		Nixon East & West 4/	January 2004	—	11,307.90	—	87.0
	WATER QUALITY AUTHORITY	Arrow (Project No. 1) 4/	February 1992	—	7,250.41	—	17,423.0
		Big Dalton (Project No. 2)	March 1997	—	1,229.02	—	82.5
		Former Bozung Site	January 2008	36.46	56.69	26.9	44.8
		SEMOU	July 1999	—	3,885.19	—	1,558.5
			TOTAL	79,887.24	838,586.82	11,915.20	90,231.99

Footnotes:
1/ From date of beginning of operation.
2/ Treatment facility has been permanently dismantled.
3/ Wells destroyed in June 1999.
4/ Wellfield no longer pumps to treatment facility.

APPENDIX F.

MAPS SHOWING WELLS VULNERABLE TO VOC, NITRATE AND PERCHLORATE CONTAMINATION WITHIN FIVE YEARS (FIGURES 8A, 8B, AND 8C)

Figure 8(a)

1 of 3

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

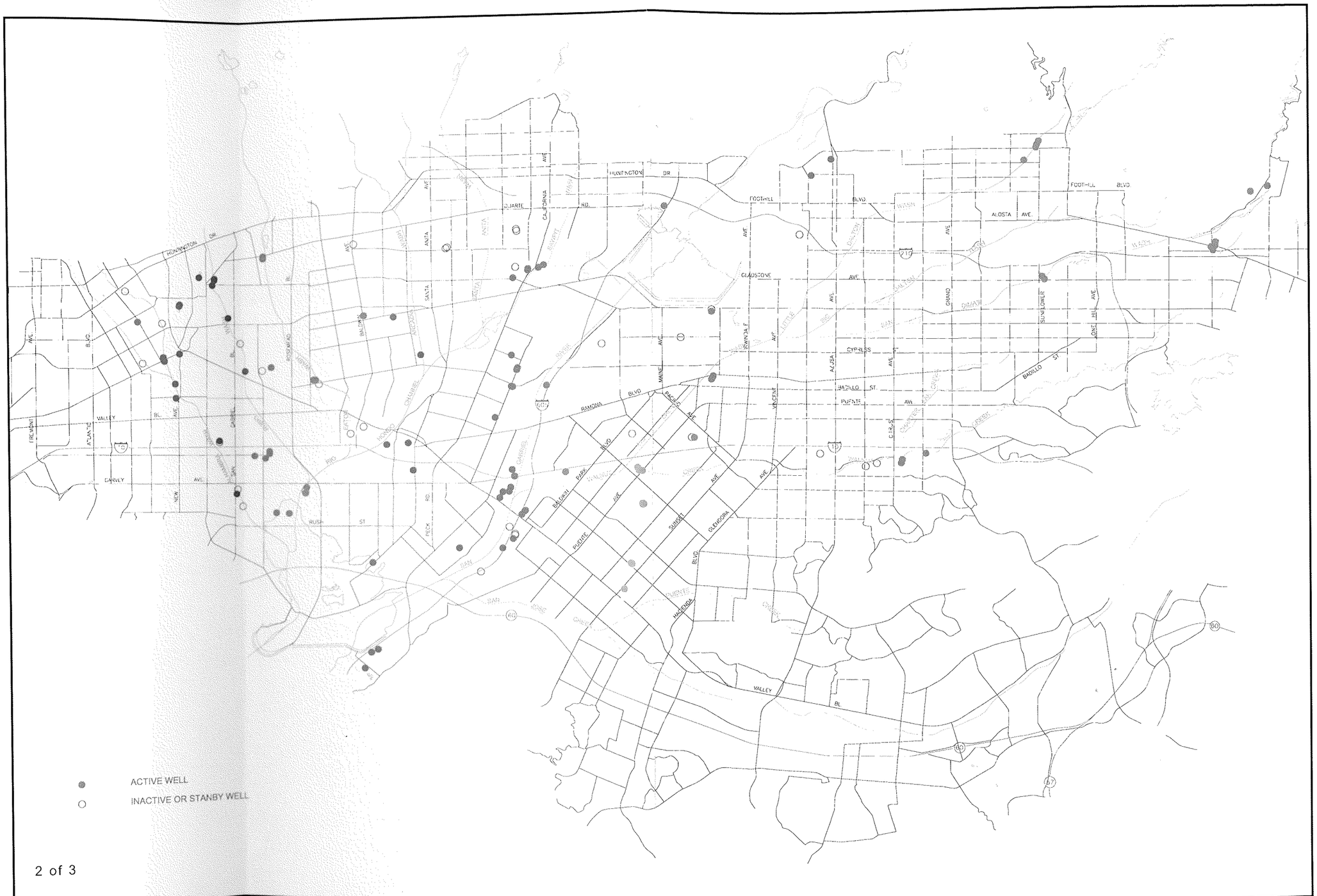
APPROXIMATE SCALE
6,000' 0 6,000'

MAIN SAN GABRIEL BASIN WATERMASTER

WELLS VULNERABLE TO VOLATILE ORGANIC COMPOUNDS CONTAMINATION WITHIN THE NEXT FIVE YEARS (2009-14)

Main San Gabriel Basin WATERMASTER

Figure 8(b)



2 of 3

STETSON ENGINEERS INC.
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San Rafael California 94901

2651 W Guadalupe Rd., Suite A209
Mesa Arizona 85202

APPROXIMATE SCALE
6,000' 0 6,000'

MAIN SAN GABRIEL BASIN WATERMASTER

WELLS VULNERABLE TO NITRATE CONTAMINATION
WITHIN THE NEXT FIVE YEARS (2009-14)

Main San Gabriel Basin WATERMASTER

Figure 8(c)

3 of 3

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San Rafael California 94901
2651 W Guadalupe Rd., Suite A209
Mesa Arizona 85202

APPROXIMATE SCALE
6,000' 0 6,000'

MAIN SAN GABRIEL BASIN WATERMASTER

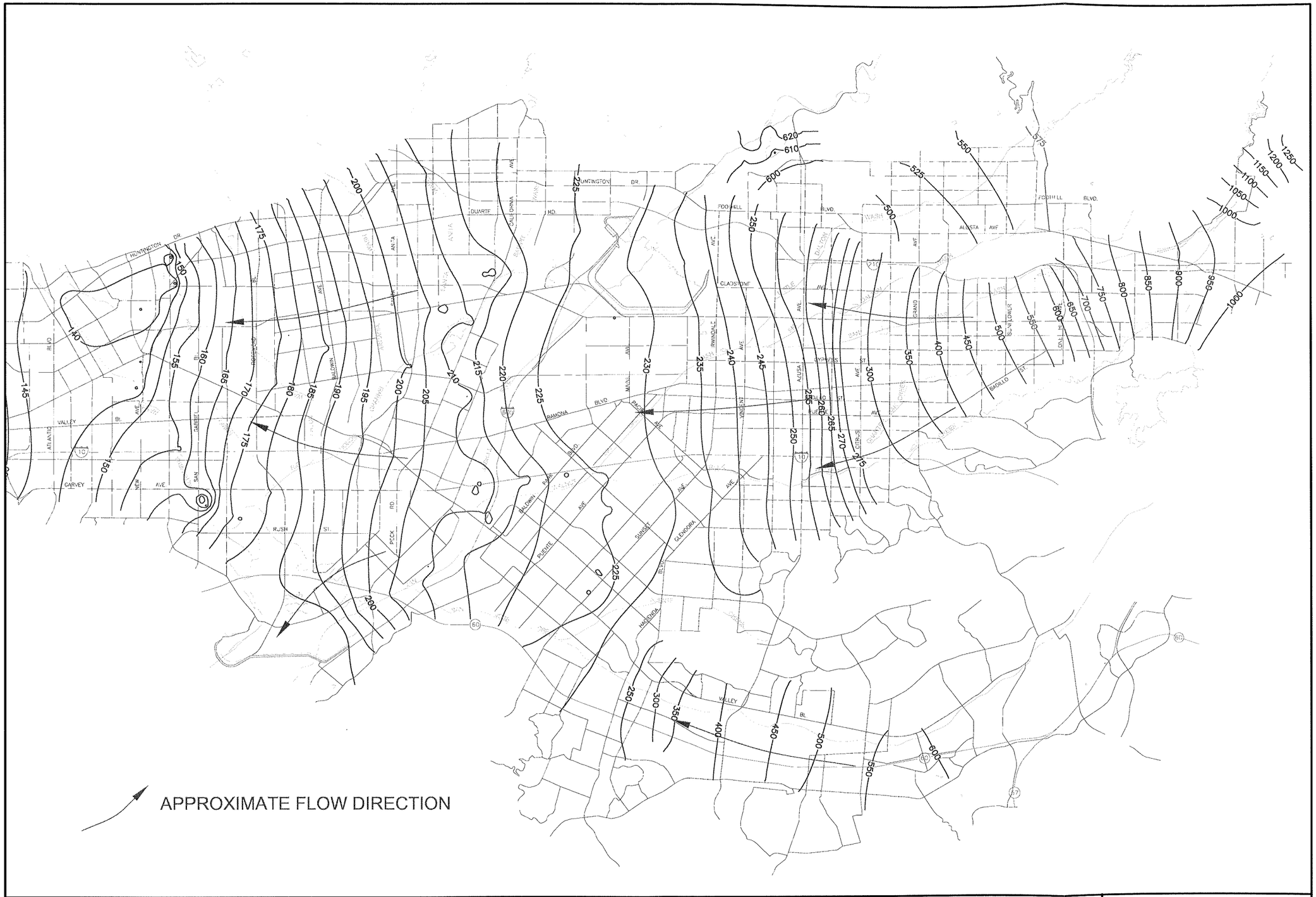
WELLS VULNERABLE TO PERCHLORATE CONTAMINATION
WITHIN THE NEXT FIVE YEARS (2009-14)

Main San Gabriel Basin WATERMASTER

APPENDIX G.

SIMULATED BASIN GROUNDWATER CONTOURS 2008-09 AND 2013-14 (FIGURES 9 AND 10)

Figure 9



STETSON ENGINEERS INC.
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San Rafael California 94901

2651 W Guadalupe Rd., Suite A209
Mesa Arizona 85202

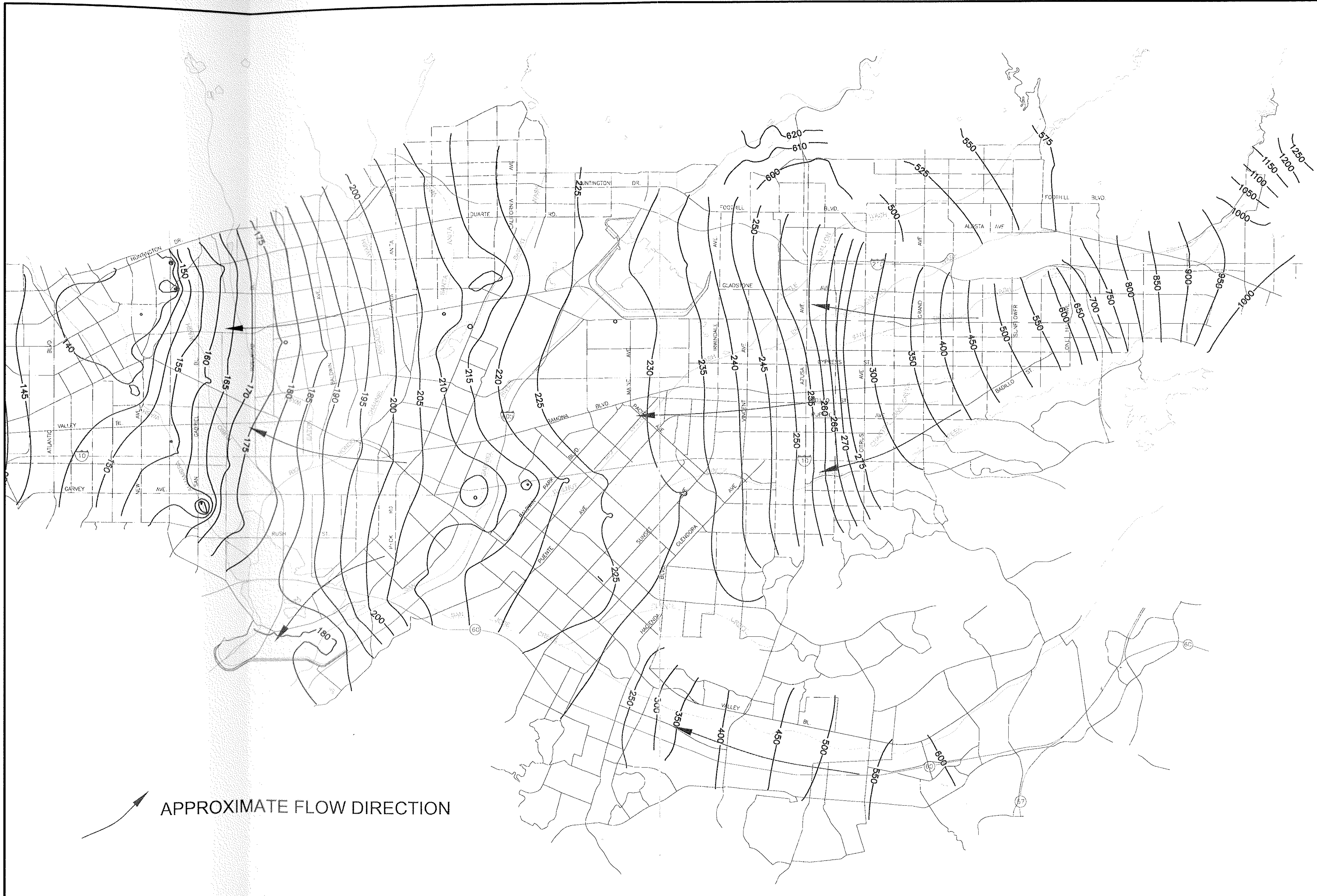
APPROXIMATE SCALE
6,000' 0 6,000'

MAIN SAN GABRIEL BASIN WATERMASTER

SIMULATED 2008-09 BASIN GROUNDWATER CONTOURS

MainSanGabrielBasin WATERMASTER

Figure 10



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STETSON ENGINEERS INC.

APPROXIMATE SCALE
6,000' 0 6,000'

MAIN SAN GABRIEL BASIN WATERMASTER

SIMULATED 2013-14 BASIN GROUNDWATER CONTOURS

MainSanGabrielBasin WATERMASTER

APPENDIX J

POTENTIAL RECYCLED WATER USERS

Potential Recycled Water Users within City of Glendora

Potential Recycled Water User	Service Area	Potential Recycled Water (Acre-Feet)
Gladstone Park	City of Glendora	15
Glenoaks Golf Course	City of Glendora	64
Glendora Sports Park	City of Glendora	35
Glendora Community Hospital	City of Glendora	15
Glendora County Club	City of Glendora	215
Glendora High School	City of Glendora	18
Foothill Presbyterian Hospital	City of Glendora	22
Edward High (Strawberry Field)	City of Glendora	25
Caltrans Right-of-Way	City of Glendora	48

APPENDIX K

2010 WATER EMERGENCY RESPONSE PLAN

CITY OF GLENDORA, CALIFORNIA
STANDARD OPERATING PROCEDURES
STANDARDIZED EMERGENCY MANAGEMENT SYSTEM

SOP #7-A

WATER DEPARTMENT EMERGENCY PLAN

Department/Agency: **City Water**

I. Purpose

To outline when and in what manner the Water Emergency Plan will be addressed.

See Attached Plan

CITY OF GLENDORA

WATER DEPARTMENT
WATER EMERGENCY RESPONSE PLAN 2010

INTRODUCTION

An Emergency Response Plan (ERP) is a documented plan that describes the actions a Community Water System would take in response to various major events. These major events include natural disasters as well as man-made disasters, including terrorist attacks. The Public Health Security and Bioterrorism Preparedness and Response Act of 2002 (Bioterrorism Act) requires "all community water systems serving more than 3,300 population (1,000 service connections) shall prepare or revise an Emergency Response Plan that incorporates the results of Vulnerability Assessments (VA) that have been completed. The updated Emergency Response Plan shall be certified to EPA within 6 months of completing the Vulnerability Assessment."

This ERP for the City of Glendora (City) Public Works, Water Division has been updated to specifically include the results of the Vulnerability Assessment completed in December 2003, and updated in January 2010. The results of the VA include the identification of only those facilities deemed critical to City operations, as well as include recommendations on facility upgrades and security policies and procedures in order to reduce the risk associated with an attack on a critical facility. This ERP contains action plans for scenarios deemed to be detrimental to City operations and outlines procedures that City personnel should take in order to respond effectively to emergencies, including acts of sabotage, that affect the water distribution system.

This document contains the following:

1. The Standardized Emergency Management System (SEMS) and the City's role during extraordinary emergencies or disasters.
2. The City's water distribution system and water supply sources.
3. Earthquake mobilization procedures.
4. Action plans for facility breach, reservoir and water distribution system contamination, power outage, and SCADA system failure.
5. Internal and external notification lists.
6. Emergency water quality sampling information.
7. Plan for water usage during periods of shortage.

8. Descriptions of City water system facilities. Detailed drawings and schematics of the water distribution system are located at the Water Yard in the Engineering section.

9. Emergency response plan training procedures.
10. Appendix containing guidelines for informing the public of water outages or periods of low pressure, and issuance of Unsafe Water Alerts or Boil Water Alerts, and a copy of the City's Emergency Notification Plan.

City of Glendora operates and maintains the water supply system serving most areas of the corporate boundaries of the City and some small area outside the corporate City boundary. **This plan is designed to deal with potable water supply emergencies and not the overall "emergencies" that may face the City**. The City's planned responses to extraordinary emergency situations are addressed in the SEMS **Multi-Hazard Functional Plan** dated June 1998.

SEMS MULTI-HAZARD FUNCTIONAL PLAN (MHFP)

SEMS addresses the City's planned response to extraordinary emergency situations associated with natural disasters, technological incidences, and national security emergencies. It does not address normal day- to- day emergencies or the well-established and routine procedures used in coping with such emergencies. The plan is designed to include the City of Glendora as part of California Standardized Emergency Management System. A copy of the City's SEMS manual is located at the Water Yard in the Engineering section.

The City of Glendora 's Emergency Management Organization including emergency response and recovery will be directed by the City Manager who serves as the Director of Emergency Services/EOC Director. It is assumed that the City will commit its resources to a reasonable degree before requesting mutual aid and assistance. Mutual aid assistance will be requested when disaster relief requirements exceed the City's ability to meet them.

The SEMS MHFP is organized in three sections. Part I is the Basic Plan which describes the overall organizational and operational concepts relative to response and recovery, as well as an overview of potential hazards. Part II describes the functions of the Emergency Organization. Part III contains the supporting and legal documents to the SEMS MFHP.

GENERAL SETTING

The City of Glendora's existing water system is an accumulation of fifteen small water companies dating as far back as 1887.The City of Glendora acquired the Glendora Water Company in February 1915. The service area expanded with the acquisition of the Glendora Independent Water Company in September 1956 and the Glendora Irrigating Company in April 1965.

The City's Water Division provides water service to most areas within the City's corporate boundaries. It also serves portions of the Cities of San Dimas (17 acres) and

Azusa (10 acres), as well as 335 acres of unincorporated Los Angeles County area. The total service area covers 6,520 acres, including 260 undeveloped acres in the South Hills, which is primarily a City owned open space and only requires water for fire protection services. The service area included an additional 97 acres of residential uses within the City of San Dimas, which was sold to San Dimas in 1994.

Southwest Suburban Water Systems provides service to 485 acres in the western portion of the City between Barranca Avenue and Grand Avenue, as well as to a 10-acre area between Grand Avenue and Bender Avenue south of Dawson Avenue. Additionally, the City of Azusa serves 144 acres within the City boundaries between Barranca Avenue and Citrus Avenue south of the AT & SF Railroad.

Elevations within the study area vary from 620 feet above mean sea level (amsl) at Barranca Avenue and Gladstone Street to 1,400 feet amsl at the east end of the Boy Scouts Camp. In order to provide service at reasonable pressures to such widely varying elevations and to accommodate development schedules, the existing system includes eleven service zones defined by reservoirs, one service zone served by a pressure reducing station (PRS) and four service zones served by hydro pneumatic systems.

WATER SUPPLY SOURCES

The City of Glendora obtains water through three sources. The primary source is groundwater from eight active City owned wells in two groundwater basins (the Upper San Gabriel Canyon Basin, and the Glendora Basin). The Upper San Gabriel Canyon Basin and the Glendora Basin are tributary basins to the Main San Gabriel Basin. The secondary supply is imported water available through three turnouts on the Metropolitan Water District of Southern California's (MWD) Upper Feeder. The imported water is purchased through Three Valleys Municipal Water District (Three Valleys) who is a member of the MWD. Additionally, Covina Irrigating Company provides the City with local surface water that is treated and disinfected at their conventional treatment plant in Covina.

GROUNDWATER

The City of Glendora obtains its groundwater supply from basins that are managed under a court judgment by the Main San Gabriel Basin Watermaster (Watermaster). Portions of the Main San Gabriel Basin have been contaminated with volatile organic compounds (VOC) and nitrates. The United States Environmental Protection Agency (USEPA) has identified the Main San Gabriel Basin as a superfund site.

The City of Glendora's share is 4.32971 percent of the operating safe yield of the Main San Gabriel Basin as determined annually by Watermaster. Additionally, for water quality purposes, Watermaster also controls the manner in which water is extracted from the basin. The Watermaster has the authority to direct changes in water production

and require treatment in areas of high-level contamination when increased extractions are requested by producers.

The City owns eleven wells. Wells 1, 2, 10, 11 and 13 are located in the Glendora Basin. Wells 5, 8, 9 and 12 are located in the Upper San Gabriel Canyon Basin, which has high quality water. Well No. 7 (Vosburg) and Wells 3 and 4 (Irwindale) are located in the Main San Gabriel Basin. Well No. 7 has been inactive since 1980 due to high volatile organic compounds (VOC), and Wells 3 and 4 have been inactive since 1980 due to high nitrate levels.

Wells 1, 2, 10 and 11 are 13 located in the Glendora Basin. They were drilled between 1912 and 1995. Wells 1 and 2 are located northerly of Sierra Madre Boulevard and have good water quality. Wells 10 and 11 are located southerly of Sierra Madre Boulevard, and have nitrate levels near or slightly exceeding maximum contaminant level of 45 parts per million. Water from Wells 10 and 11 is blended with the nitrate free water from the Upper San Gabriel Canyon Basin and/or MWD, while Wells 1, 2 and 13 pumps directly into the Sierra Madre Reservoir 1B.

Wells 5, 8, 9 and 12 are located in the Upper San Gabriel Canyon Basin. Wells 8 and 9 were drilled in 1920 and 1921, respectively, and Well 12 was drilled in 1966. Well 5 was drilled in 1992. All four wells are located in the City of Azusa. The quality of groundwater in the Upper San Gabriel Canyon Basin is very high.

Wells 3, 4 and 7 are located in the Main San Gabriel Basin, portions of which have been contaminated with nitrates and volatile organic compounds. Wells 3 and 4 are located at the City's Irwindale Plant, just south of Arrow Highway and west of Little Dalton Wash in unincorporated Los Angeles County. They were drilled in 1920 and 1926, respectively, and have been inactive since 1980 due to high nitrate levels.

Well 7 (Vosburg Well) is located westerly of Virginia Avenue between First Street and Paramount Street in the City of Azusa. It was drilled in 1930. Due to volatile organic compound (VOC) contamination, this well has not been utilized for any meaningful production since 1980.

Although there is sufficient physical ground water pumping capacity, the City may not be able to fully utilize it because of the restrictions that may be imposed by the Watermaster as set forth in Section 28 of the Judgment for the purposes of cleaning up or limiting the spread of existing contamination.

IMPORTED WATER

The City of Glendora obtains imported water from Metropolitan Water District of Southern California (MWD) through Three Valleys Municipal Water District (Three Valleys).

Three Valleys exclusively supplies water at wholesale to its member agencies, which in turn, either retail the water directly to their customers, or wholesale it to other public agencies and private water companies for resale.

COVINA IRRIGATING COMPANY

The City Of Glendora has an eight inch metered interconnection with the Covina Irrigating Company (CIC) in Covina. Initially intended as an emergency connection, the City of Glendora has regularly purchased water through this connection based on availability and economics of other sources. The connection provides an additional source of supply to City customers in the southern part of the service area.

WATER DIVISION PERSONNEL
EARTHQUAKE MOBILIZATION PROCEDURE

When an earthquake event occurs in Southern California and can be felt locally, (at work or home), regardless of magnitude, or location, the following procedure is to be followed by the Water Division personnel:

1. Responsibility of all personnel is first to secure their homes and families.

2. All personnel will respond according to the procedures set forth in City's SEMS MHFP.

3. Water Division Superintendent will immediately establish a list of water division personnel available for emergency response. Water Division Superintendent will contact the Water Division Manager to initiate the emergency contact procedures. Water Division Superintendent will then call all water personnel using the call out sheet. First round of contacts will be from his home telephone or cellular phone. His second round of contacts may be from the Art Cook pumping facility / cellular phone. Water Division Superintendent will re-contact Water Division Manager to report status of personnel contacts. If the superintendent does not receive his first contact from the supervisor within 15 minutes of the event, the Water Division Manager will begin contacting all personnel using the Call-Out Sheet.

4. If Water Superintendent or Division Manager does not contact you within 30 minutes of the event, you will attempt to contact them. If you cannot contact them, you will report to the Art Cook pumping facility.

5. Inspect any water facilities of the City on the way in or if you live near it by following the guidelines in this manual before reporting to work.

6. If contact is not made with other department personnel within 15 minutes after arriving to work, start checking the system according to instructions contained in here.

SPECIAL INSTRUCTIONS:

If an earthquake disaster takes place during regular business hours, all employees will be allowed and encouraged to check on their families

If you live within a thirty-mile radius of Glendora and your community has suffered damage, then Glendora has most likely suffered damage as well. In such a case, report to work as soon as possible. (Contact by phone may not be possible). Any employee who cannot secure his/her family or feels uncomfortable about leaving them can bring them to work. Special provisions will be made.

2010
WATER DIVISION
EARTHQUAKE PERSONNEL ASSIGNMENTS

EMERGENCY OPERATIONS CENTER
CITY HALL

EMERGENCY OPERATION CENTER TEAM	EXTENSION
DAVE DAVIES, DIRECTOR OF PUBLIC WORKS	260
JEERY BURKE, DEPUTY DIR. OF PUB. WRKS/CITY ENGINEER	248
STEVE PATTON, WATER DIVISION MANAGER	249
EVE TATE, ADMINISTRATIVE ASSISTANT	828
ANA DIAZ, OFFICE ASSISTANT	246

EMERGENCY COMMAND CENTER TEAM	EXT	UNIT CALL#
SCOTT HOPKINS, WATER SUPERINTENDENT	256	753
JARED MACIAS, SR. WATER SYSTEM OPER.	866	761
JUDY KENYON, ADMINISTRATIVE ASSISTANT	838	

Assigned duties are to provide communications assistance on the radio and telephones; SCADA system monitoring, and assistance with system maps and plans to the crews.

RESERVOIR, PLANT & PUMP INSPECTION AND SHUTDOWN TEAMS:

UNIT 751	UNIT 754	UNIT 755
Doug Leumann	Ron Nichka JB Cathel	Roger Watford

DISTRIBUTION SYSTEM INSPECTION AND DAMAGE REPAIR TEAMS:

UNIT 757	UNIT 760	UNIT 779
James Villarreal Gary Clum Eric Simpson	Jeff Wise Victor Penrod Jerry Greeran	Tim Maxwell (Leadworker) Kevin Wise

UNIT 756	UNIT 750
Bob Simpson Steve Newton	Terry White (Leadworker)

SERVICE & METER AND CUSTOMER SERVICE TEAMS:

UNIT 749	UNIT 752
Joe Velosa (Leadworker) Roger Shepherd	Bill Weaver Maurice DeGraaf

UNIT 751

PRIORITY LIST OF EACH UNITS INSPECTION RESPONSIBILITIES:

1) **ART COOK FACILITY:** INSPECT and NOTE DEFICIENCIES -. (SCADA system trends/equipment, pm-6, wells 1, 2 and 13 boosters 10, 11, 12, 13, 14, 22, 23 36 and zone 1 reservoirs and 350kw generator).

2) **ZONE 1 GODDARD RESERVOIR FACILITY AND SCADA EQUIPMENT:** INSPECT/NOTE DEFICIENCIES -Zone 1 Reservoir.

3) **ZONE 2 HIDDEN SPRINGS RESERVOIRS AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES (be extra cautious due to large reservoir right next to housing).

4) **ZONE 3 KREGMONT RESERVOIRS:** INSPECT and NOTE DEFICIENCIES (reservoir empty, however, line dead ends on road, north of reservoir).

5) **ZONE 21, ENGLEWILD CANYON BOOSTER STATION AND 10,000-GALLON TANKS:** INSPECT and NOTE DEFICIENCIES – (no SCADA- 75kw in route to command center).

7) **ZONE 3 ENGLEWILD RESERVOIR AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES **(**SCADA equipment in Engle wild Canyon pump facility building).

8) **ZONE 19 GLENCOE RESERVOIR and PUMP STATION, SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES (75KW in route to Command Center.)

10) **REPORT BACK TO COMMAND CENTER.**

Notes:

a) Take action with SCADA system if trending indicates problems with system levels and flows.

b) Always check transmission and distribution mains for leaks when coming and going from each site.

UNIT 754

1) **PM-23 CONNECTION:** INSPECT and NOTE DEFICIENCIES

2) **SAN GABRIEL PUMPING FACILITY:** INSPECT and NOTE DEFICIENCIES (portable MTU & other SCADA equipment; reservoir; Wells 8, 9, 12 & 5; Boosters 16, 17, 35 & 38; Chlorination equipment, etc).
Note: Bring 75kw back to the command center. If 350kw is not required at command center, it will power wells 8, 9 and booster 16, 17.

3) **ZONE 4 HICREST BOOSTER STATION, RESERVOIRS AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES (PORTABLE PUMP AT BASE STATION. 75KW IN ROUTE TO COMMAND CENTER).

4) **ZONE 5 AZUSA PACIFIC BOOSTER STATIONS, RESERVOIRS AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES (portable pump located at Rainbow pump station).

5) **ZONE 11 SILENT RANCH HYDROPHEUMATIC TANK AND BOOSTERS** INSPECT and NOTE DEFICIENCIES **-.** (No SCADA).

6) **ZONE 19 NORTH GLENDORA RESERVOIR AND SCADA EQUIPMENT INSPECT and NOTE DEFICIENCIES -.**

7) **REPORT BACK TO COMMAND CENTER.**

Note: Always check transmission and distribution mains for leaks when coming and going from each site.

UNIT 755

1) **ZONE 2 SOUTH HILLS EAST RESERVOIR AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES. (Note if altitude valve is open or closed).

2) **ZONE 12 EAGLE RIDGE BOOSTERS AND HYDROPNEUMATIC TANK:** INSPECT and NOTE DEFICIENCIES. (75kw generator in route to Command Center).

3) **PM-18 CONNECTION, BOOSTERS AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES**.** (300KW generator located at street yard).

4) **ZONE 2 TO ZONE 1:** INSPECT and NOTE DEFICIENCIES.

5) **ZONE 1 TO ZONE 2 BY-PASS PUMP SATION:** INSPECT and NOTE DEFICIENCIES.

6) **ZONE 8 GLADSTONE RESERVOIR, PUMPS AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES.

7) DAWSON BOOSTER STATION: INSPECT and NOTE DEFICIENCIES.

8) **ZONE 1 SOUTH HILLS WEST RESERVOIRS AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES**.** (SCADA equipment is located at Dawson booster station. Note if altitude valve is open or closed).

9) **REPORT BACK TO COMMAND CENTER VIA CROSS-TOWN FEEDER.**

Note: Always check transmission and distribution mains for leaks when coming and going from each site.

UNIT 760

1) **SAN GABRIEL TRANSMISSION MAIN:** INSPECT and NOTE DEFICIENCIES. (From Command Center to San Gabriel Plant).

2) **VOSBURG WELL SITE AND TRANSMISSION MAIN:** INSPECT and NOTE DEFICIENCIES. (San Gabriel Plant to Vosburg Well).

3) **IRWINDALE PLANT AND TRANSMISSION MAIN:** INSPECT and NOTE DEFICIENCIES. (Irwin dale Plant to Glendora Ave)

4) **REPORT BACK TO COMMAND CENTER.**

Note: Always check transmission and distribution mains for leaks when coming and going from each site.

UNIT 757

1) **ZONE 2 TRANSMISSION WATER MAIN AND OTHER PARTS OF THE DISTRIBUTION SYSTEM:** INSPECT and NOTE DEFICIENCIES:

   A) **SIERRA MADRE - WEST.**

   B) **WABASH - SOUTH.**

   C) **CROSS TOWN FEEDER AT GLENDORA - SOUTH.**

   D) **GLADSTONE - EAST.**

   E) **LONE HILL AVE – NORTH.**

   F) **AUTO CENTER - EAST.**

   G) **AMELIA - NORTH.**

   H) **FOOTHILL - WEST.**

I) LORAINE NORTH TO BASE STATION.

2) REPORT BACK TO COMMAND CENTER.

Note: Always check transmission and distribution mains for leaks when coming and going from each site.

UNIT 779

1) **ZONE 6 BIG DALTON PUMP STATION, SCADA EQUIPMENT AND RESERVOIR:** INSPECT/NOTE DEFICIENCIES. ("Old Yeller" portable pump located at Command Center. 75kw in route to Command Center).

2) **ZONE 7 GIRL SCOUT CAMP PUMP AND RESERVOIR:** INSPECT and NOTE DEFICIENCIES: (Pump located at Big Dalton Reservoir).

3) **ZONE 28 VERN GILLETTE BOOSTER STATION, PORTABLE PUMP, BLUEBIRD RESERVOIRS AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES. (This crew needs to be familiar with valves due to ability to obtain suction from Zones 2 or 3 with portable pump).

4) **OAKNOLL BOOSTER STATION:** INSPECT and NOTE DEFICIENCIES. (This crew needs to be familiar with valving due to ability to obtain suction from zones 2 or 3 and discharge to Zones 3 or 28.

5) **ZONE 3 GREENCROFT BOOSTER STATION, SCADA EQUIPMENT, and MORGAN RANCH RESERVOIRS.** INSPECT and NOTE DEFICIENCIES. (Portable pump located at Command Center. 75kw in route to Command Center).

6) **GORDON LOWER RESERVOIR ZONE 13, SCADA EQUIPMENT AND ZONE 14 BOOSTER PUMPS FOR UPPER GORDON RESERVOIRS**

7) **ZONE 2 COUNTRY CLUB RESERVOIRS AND SCADA EQUIPMENT:** INSPECT and NOTE DEFICIENCIES. (Note if altitude valve is open or closed).

Note: Always check transmission and distribution mains for leaks when coming and going from each site.

UNIT 756 and UNIT 752

The personnel of Units 749 and Unit 752 will stand by at Command Center for further detailed instructions. They may be assigned to meter leak repairs, customer service requests or act as backup for other crews.

UNIT 790

1) ASSIST WATER ENGINEERING AND DISTRIBUTION CREWS.

UNIT 750

1) ASSIST WITH DISTRIBUTION CREWS

UNIT 749

ASSIST WITH LOGISTICS

UNIT 762

INSPECT PROJECTS

WATER DIVISION PERSONNEL
FACILITY BREACH PROCEDURE

RESERVOIRS:
If an intrusion is noticed during daily reservoir inspections, the operator should:

1. Notify the SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT if there are obvious signs of intrusion (i.e. reservoir hatch lock broken, reservoir hatch open).
2. The SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT will take the reservoir offline and notify the Glendora Police Department.
3. Secure the site to allow the Police Department to conduct investigation.
4. Have the SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT contact the Department of Health Services to receive further instructions. **Operators should not collect samples unless instructed to do so by the Department of Health Services.**

PUMP STATIONS/CHLORINATION STATIONS:
If an intrusion is noticed during daily pump station/chlorination station inspections, the operator should:

1. Notify the SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT The SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT will notify Glendora Police Department.
2. The site should be secured to allow Police Department to conduct investigation.
3. Inspect site for damage, (i.e. electrical, mechanical, and chemical).
4. Make necessary repairs, if needed, to make pump station operational. If extensive repairs are required (i.e. pump requires repair), have SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT arrange with contractors for repair.
5. Once operational, the pump station will be put back on-line.

WATER DIVISION PERSONNEL
FACILITY BREACH PROCEDURE

WELLS:
If an intrusion is noticed during daily well inspections, the operator should:

1. Notify the SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT if there are obvious signs of intrusion.
2. The SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT will notify the Glendora Police Department.
3. Secure the site to allow the Police Department to conduct investigation.
4. Have the SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT contact the Department of Health Services to receive further instructions. **Operators should not collect samples unless instructed to do so by the Department of Pubic Health.**

FIELD OFFICES:
The field office at the San Gabriel Plant is monitored by Security Design Systems and the field office at the Sierra Madre Plant is monitored by ADT Security Services. If an alarm is triggered,

1. The alarm company will notify the SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT that an alarm has been triggered. The alarm company will also notify the Azusa Police Department if the alarm is triggered at the San Gabriel Plant or the Glendora Police Department if the alarm is triggered at the Sierra Madre Plant.
2. The SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT will arrive at the office and assist the police officers with the investigation.
3. If there is theft or damage, the SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT will need to complete a theft/damage assessment report.

WATER DIVISION PERSONNEL
CONTAMINATION EVENT PROCEDURE

A. If a contamination event occurs at a **reservoir** site, the facility breach procedure Shall be followed.

B. When a contamination event occurs in the water distribution system,

1. The operator will contact the SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT to arrange for the isolation of the water main or facility.
2. The SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT will contact the Department of Health Services for further instructions. **Operators should not collect samples unless instructed to do so by the Department of Health Services.**
3. Secure staff for instructions from the Department of Health Services on flushing procedure. Make sure all crews have necessary maps.

WATER DIVISION PERSONNEL
POWER OUTAGE PROCEDURE

When a power outage occurs, the on-call personnel will be paged by the SCADA system. The water division owns 5 portable generators and 5 portable pumps. Each water facility is equipped to operate off either a generator or a portable pump.

PROCEDURES TO FOLLOW BY ON-CALL PERSONNEL:

1. Notify SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT to inform them that there is a power outage.
2. Call Edison and verify power outage and estimated downtime. Determine extent of power outage.

a. If power outage is short-term, monitor water system manually.
b. If power outage is long-term, notify SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT and make arrangements to get assistance from other personnel for manual operation of the water system. Two operators are required to set up generator equipment.

3. Based on location of power outage, determine where generators or pumps are needed to assure that water is flowing where needed. (Fire fighting water demand is the highest priority).
4. Connect and operate generators or pumps, as needed and monitor water system until power is restored.

WATER DIVISION PERSONNEL
SCADA SYSTEM ACTION PLAN

SCADA system failures:
If on-call personnel is paged and finds that SCADA system is not functioning,

1. Notify SENIOR WATER SYSTEM OPERATOR and/or WATER SUPERINTENDENT.
2. Troubleshoot and determine what is functional or non-functional. The two types of failure for SCADA equipment can be 1.) Power failure or 2.) Communication failure. The operator may log-on to the SCADA using a laptop to determine the type of error that has occurred.

a. If power failure, follow procedures for power outage.
b. If communication failure, the operator will need to go out to the site and inspect the SCADA equipment and check for damage. Have SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT Contact SCADA system contractor for repairs, if necessary.

3. If main RTU is not functioning, install back-up RTU to operate system. Have SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT Make arrangements with SCADA contractor to have the main RTU repaired or serviced. The back-up RTU is located at the San Gabriel Plant. An operator must go to the San Gabriel Plant to hook up and log onto the SCADA system to make it operational.
4. If the main computer used to access the SCADA system is not functioning, use a laptop computer to operate/monitor system.
5. If entire system is non-operational have SENIOR WATER SYSTEM OPERATOR or WATER SUPERINTENDENT, notify SCADA system contractor.
6. If system is not functional for an extended period, make arrangements for additional staff to manually inspect and operate water system, (i.e. reservoir levels, pressures, wells, and pumps.) until repairs have been made to SCADA system.

Water System Chain of Command – Internal Notification List

WUERM = Water Utility Emergency Response Manager (assigned)

Name Position	Responsibilities During an Emergency	Contact Numbers
Steve Patton **Water Manager** WUERM	➢ Overall management and decision making for the water system. ➢ WUERM is lead for managing the emergency and contacting the regulatory agencies. ➢ WUERM contacts the public and news media. ➢ All communications to external parties are approved by the WUERM	Office (626) 914-8249 Cell (626) 786-1810 Home (909) 987-4240
Scott Hopkins **Water Division Superintendent**	➢ Coordination of staff. ➢ Determine priorities. ➢ Communication assistance ➢ SCADA system monitoring ➢ Correspond with DOHS when necessary	Office (626) 914-8256 Cell (626) 512-2777 Home (626) 967-4238
Jared Macias **SR. Water System Operator**	➢ Communication assistance ➢ SCADA system monitoring Correspond with DOHS when necessary	Office (626) 852-4866 Cell (626)625-3215 Home (626)646-7783

Terry White **Joe Velosa** **Tim Maxwell** **Water Maintenance Leadworker (3)**	➢ Assist and coordinate Distribution, Transmission, and Customer Service and Engineering staff. ➢ Inspections where needed ➢ Same as above ➢ Same as above	Office (626) 335-6175 Cell (626) 253-6160 Home (626) 963-1727 Office (626) 335-6175 Cell (626) 786-1208 Home (626) 914-0308 Office (626) 335-6175 Cell (626) 786-3201 Home (909) 428-5227
James Villarreal **Jeff Wise** **Equipment Operator (2)**	➢ Inspect designated facilities and Transmission Mainlines. ➢ Make necessary repairs ➢ **Same as above**	Cell (626) 216-5160 Home (909) 982-0318 Home (626) 914-0308 Cell (626) 216-5261

Gary Clum **Victor Penrod** **Bob Simpson** **Eric Simpson - Welder** **Senior Maintenance Worker (4)**	➢ Inspect designated facilities and Transmission mainlines. ➢ Make necessary repairs. ➢ **Same as above** ➢ **Same as above** ➢ **Same as above**	Home (626) 963-6509 Home (909) 592-2762 Home (909) 592-7922 Home (626) 857-0052
Kevin Wise **Jerry Greeran** **Steve Newton** **Maintenance Worker (3)**	➢ Assist with inspections of facilities and Transmission Mainlines. ➢ Assist with repairs ➢ **Same as above** ➢ **Same as above**	Home (909) 941-0512 Home (626) 963-6287 Home (626) 859-5022
	➢	
Bill Weaver **Water Service Representative**	➢ Customer Service ➢ Repair small leaks ➢ Back up other crews ➢ Same as above	Home (626)334-3298
Maurice DeGraaf **Meter Reader**	➢ Assist Water Service Rep ➢ Back up other crews	Home (626) 237-0866
Roger Shepherd **Meter Reader**	➢ Assist Water Service Rep ➢ Back up other crews	Home (626) 963-8890

Jared Macias **Senior Water Systems Operator**	➢ Assist Water Superintendent ➢ Schedule Transmission Staff with Reservoir and Pumping Facilities inspections and repairs. ➢ Correspond with DOHS as necessary	Office (626) 852-4866 Cell (626) 625-3215 Home (626) 646-7783
Ron Nichka **Douglas Leumann** **Water Systems Operator II (2)** **JB Cathel** **Roger Watford** **Water System Operator I (2)**	➢ Reservoir and pumping facilities inspections. ➢ Inspect chlorine stations. ➢ Repairs at reservoir and pumping facilities as needed. ➢ Monitor SCADA operation ➢ **Same as above**	Home (626) 387-9155 Cell (909)367-8209 Home (626) 963-7016 Home (909) 931-1773

GLENDORA POLICE DEPARTMENT.
EXT. 272 OR (626) 914-8250

CITY OF GLENDORA

WATER DIVISION
WATER QUALITY EMERGENCY NOTIFICATION
CONTACT LIST

GLENDORA UNIFIED SCHOOL DISTRICT
(626) 963-1611

LOS ANGELES TIMES
(626) 359-4445

SAN GABRIEL VALLEY TRIBUNE
(626) 962-8811

DAILY BULLETIN
(909) 987-6397

FOOTHILL PRESBYTERIAN HOSPITAL
(626) 963-8411

HUNTINGTON EAST VALLEY HOSPITAL
(626) 335-0231

GLENDORA ARTIFICIAL KIDNEY CENTER
638 S. GLENDORA AVE.
(626) 963-6096

FOOTHILL DIALYSIS CENTER
303 W. FOOTHILL BLVD.
(626) 963-1488

GLENDORA DIALYSIS
120 W. FOOTHILL BLVD.
(626) 335-7751

CITY OF GLENDORA
WATER DIVISION
UTILITY EMERGENCY CONTACT LIST

SAN GABRIEL VALLEY MUNICIPAL WATER DISTRICT
MR. B. STALLING
(626) 969-7911

METROPOLITAN WATER DISTRICT
MR. HEIN
(909) 593-7474 (24 HRS)

THREE VALLEYS MUNICIPAL WATER DISTRICT
(909) 621-5568

VERIZON
(626) 813-4509

SOUTHERN CALIFORNIA EDISON
(909) 592-3705

SOUTHERN CALIFORNIA GAS CO.
(800) 427-2200

LOS ANGELES COUNTY FIRE DEPARTMENT

Station 151:	231 Mountain View –	(626) 963 2733
Station 85:	650 E. Gladstone Ave.	(626) 963 1821
Station 86:	520 S. Amelia Ave.	(626) 963 5719
Station 97:	18453 E. Sierra Madre Ave.	(626) 334 5602

COVINA IRRIGATING CO.
(626) 332-1502

GOLDEN STATE WATER CO.
(909) 592-4271

AZUSA LIGHT & WATER DEPARTMENT
Office or Emergency (626) 812-5225

SUBURBAN WATER SYSTEMS
Office (626) 966-2090 Emergency (562) 464-1815 or (626) 336-9723

LOS ANGELES COUNTY PUBLIC WORKS FLOOD CONTROL
(626) 445-7630

LOS ANGELES COUNTY SANITATION DISTRICT OF LOS ANGELES
Office (310) 638-1161 Emergency (562) 437-1811

LOS ANGELES COUNTY PUBLIC WORKS
(626) 458-4357

LOS ANGELES COUNTY HAZ MAT
(626) 968-1978

MWDSC EAGLE ROCK (PM CONNECTIONS)
(323) 681-4010

SANTA FE R. R. EMERGENCY DISPATCH
(800) 333-2383

WATER DIVISION

VENDOR EMERGENCY CONTACT LIST

PIPES, VALVES, REPAIR CLAMPS, ETC.

1) WESTERN WATER WORKS
5831 PINE AVE
CHINO HILLS, CA 91709
(909) 597-7000
DOMINIC CELL (909) 630-6371

2) GROENIER & CO
(664) 945-0706
DEB VALDEZ

3) HD SUPPLY
(800) 493-3999
(661) 945-2881

4) US FILTER
4700 DISTRICT BLVD.
VERNON, CA. 90058
(714) 670-1903

5) SMITH PIPE & SUPPLY
1344 BROOKS ST.
ONTARIO, CA. 91761
(909) 984-3337

6) MUELLER CO
VIRGIL DIAZ
(562) 818-9855

7) GRAINGER SUPPLY
(626) 667-7668

HOT TAPPING & HYDRA-STOP

1) ADAMS PIPELINE TAPPING
P.O. BOX 71
ATWOOD, CA. 92601
JOHN ADAMS
(714) 777-1440

2) HYDRA-STOP, INC.
P.O. BOX 11451
SANTA ANA, CA. 92711
(714) 744-9334
(888) 558-STOP
FAX (714) 744-1064

3) KOPPL
CHUCK
(323) 888-2211
CELL (323) 216-2706

4) MUELLER CO
VIRGIL DIAZ
(562) 818-9855
SERVICE DIVISION
(626) 529-6024

CHLORINE & CHLORINATOR REPAIR

1) JONES CHEMICAL
1401 DEL AMO BLVD.
TORRANCE, CA.
KEVIN MONGHAN
(800) 562-7920
(310) 523-2130
FAX (310) 523-2944

2) CHLOR-SERV, INC.
2481 PINE ST.
POMONA, CA. 91767
DAVID BUMPASS
(909) 596-4886
FAX (909) 596-6576
(FOR REPAIR ONLY)

3) WATERLINE TECHNOLOGIES
620 N. SANTIAGO STREET
SANTA ANA, CA. 92701
BILL CLEVENGER
(714) 822-4455

4) MATT-CHLOR
4107 ARDEN DR.
EL MONTE, CA. 91731
(626) 443-5034

CHLORINE LEAKS

1) L.A. COUNTY FIRE DEPT
911

2) HAZ MAT
(626) 968-1978

MOTOR AND PUMP REPAIR

1) GENERAL PUMP CO.
159 N. ACACIA ST.
SAN DIMAS, CA.
MIKE BODART
(909) 599-9606
HOME (909) 597-7473

2) DELTA MOTOR CO.
2492 BRAYTON AVE.
SIGNAL HILL, CA.
DOUG YEOMANS
(562) 424-2824

3) LAYNE CHRISTENSEN CO.
11001 ETIWANDA AVE.
FONTANA, CA. 92337
(909) 390-2833
(909) 390-6097 FAX

4) BRITHINEE ELECTRIC
620 S. RANCHO AVE
COLTON, CA.
(909) 825-7971

ELECTRICAL AND SCADA REPAIR

1) AQUASYSTEC BABCOCK/EMERSON
MARK LUEDTKE
(909) 732-7672

2) BRISTOL
1609 S. GROVE, STE 106
ONTARIO, CA
(800) 967-2232
CATHI BRADLEY
CELL (909)268-5012

3) A & B ELECTRIC
248 LORANNE AVE.
POMONA, CA.
BOB GRESLAND
(909) 465-8506 PAGER
(909) 626-6140 WORK
(909) 621-2095 HOME

4) BEARD ELECTRIC
13924 MARYTON AVE.
SANTA FE SPRINGS, CA.
BRUCE WORKMAN
(310) 802-1800

5) AZUSA LIGHT AND WATER
729 N. AZUSA AVE
AZUSA, CA. 91702
DAN KJAR
(626) 812-5216

EQUIPMENT RENTAL

1) HERTZ EQUIPMENT RENTAL
19034 EAST ARROW HWY
COVINA, CA.91722

2) TRENCH SHORING CO.
636 E. ROSECRANS AVE
LOS ANGELES, CA.
(310) 327-5554

3 VIEW-WAY SIGNS/FLASH
127 N. ACACIA ST
SAN DIMAS, CA.

(909) 332-0516

WATER MAIN LINE REPAIR

1) WA RASIC
FRANK
(562) 928-6111
CELL (310) 864-1296

2) JDC CONSTUCTION
JULIAN
(626) 222-9095

3) PRECISION PIPELINE
ELDON
(562) 254-1937
CELL (951) 202-7780

4) BRKICH CONST.
1508 S. MAYFLOWER
MONROVIA, CA. 91016
(626) 305-7426

5) GENTRY BROTHERS, INC.
384 E. LOVE OAK AVE
IRWINDALE, CA. 91706

EMERGENCY GENERATION REPAIR AND RENTAL

1) QUINN POWER SYSTEMS
10006 ROSE HILLS RD.
WHITTIER, CA. 90601
(562) 463-4000

2) GENERATOR SERVICE CO.
10255 PHILADELPHIA CT.
RANCH CUCAMONGA, 91730
(800) 691-1601

3) U.S. RENTALS
BALDWIN PARK
(626) 962-4468

4) ALLIED RENTAL
PASADENA
(626) 796-6151

5) SCHWALM & ASSOC.
CHINO
(909) 591-4341

AUTOMATIC VALVE REPAIR (CLA-VALS)

1) CLA-VAL CO.
109 N. MAPLE ST, STE G ST103
CORONA, CA.
LARRY VAN DER KOLK
(909) 273-9370

2) ACV SYSTEMS
41769 ENTERPRISE CIR
TEMECULA, CA.
DAVE SACHS
(909) 699-3329
CELL (909) 830-7105

WATER TANK RESERVOIR REPAIR & CATHODIC PROTECTION

1) SUPERIOR TANK CO.
10506 SHOEMAKER AVE.
SANTA FE SPRINGS, CA.90670
(310) 946-8804

2) GMC CORROSION CONTROL
2131 S. GROVE AVE.
ONTARIO ,CA 91761
(909) 947-6016
GARY MATLACK

3) DYK INC.
1214 PIONEER WAY
EL CAJON, CA.
(619) 440-8181
GALIT RYAN

4) ADVANCE TANK CONST.
WELLINGTON, CO. 80549
P.O. BOX 219
(970) 568-3444

5) HOWARD RIDLEY CO.
P.O. BOX 1560
CHINO, CA. 91708
(909) 590-7415
JOHN RIDLEY

6) DIVE/CORR, INC.
P.O. BOX 30427
LONG BEACH, CA. 90853
(562) 439-8287

DAN GROSS

CONSULTING ENGINEERING SERVICES

1) AKM CONSULTING ENGINEERS
101 PACIFICA, ST 150
IRVINE, CA. 92718
ZEKI KAYIRAN
(949) 753-7333

2) CIVILTEC ENGINEERING
855 W. FOOTHILL BLVD.
MONROVIA, CA. 910116
DAVE BYRUM
(626) 357-0588

3) TETRA TECH
3280 E. FOOTHILL BLVD
PASADENA, CA. 91107
KEN BERARD
(626) 683-0066

4) ERGUN BAKALL
CONSULTING ENGINEER
2570 DAVIS DR
TUSTIN, CA 92782
(714) 838 0480

LABORATORIES

1) CLINICAL LAB OF S.B.
21881 BARTON RD.
GRAND TERRACE, CA.
(909) 825-7693 (909) 825-7155
BOB GLAUBIG

2) MONTGOMERY HARZA
555 E. WALNUT ST.
PASADENA, CA.
(818) 568-6477 (818) 568-6400

3) WECK LABORATORIES
14859 E. CLARK AVENUE
INDUSTRY, CA. 91745
(818) 336-2139

WATER SHORTAGE STAGES AND TRIGGERING MECHANISMS

As the water purveyor, the City of Glendora must provide the minimum health and safety water needs of the community at all times. The water shortage response is designed to provide a minimum of 50% of normal supply during a severe or extended water shortage. The rationing program triggering levels shown below were established to ensure that this goal is met.

Rationing stages may be triggered by a supply shortage or by contamination in one source or a combination of sources. Because shortages overlap Stages, triggers automatically implement the more restrictive Stage. Specific criteria for triggering the City's rationing stages are shown in Table 1.

Table 1 Water Shortage Stages and Triggering Mechanisms				
Percent Reduction of Supply	**Stage I Up to 10%**	**Stage II 10 - 25%**	**Stage III-VII 25 - 50%**	
Water Supply Condition				
Current Supply	Total supply is 85 – 90% of "normal." And Below "normal" year is declared. Or	Total supply is 75 – 85% of "normal." Or Below "normal" year is declared Or	Total supply is 50– 75% of "normal." Or Fourth consecutive below "normal" year is declared. Or	
Future Supply	Projected supply insufficient to provide 80% of "normal" deliveries for the next two years. Or	Projected supply insufficient to provide 75% of "normal" deliveries for the next two years. Or	Projected supply insufficient to provide 50% of "normal" deliveries for the next two years. Or	
Groundwater	No excess groundwater pumping undertaken. Or	First year of excess groundwater pumping taken, must be "replaced" within four years. Or	Second year of excess groundwater pumping taken, must be "replaced" within four years. Or	
Water Quality	Contamination of 10% of water supply (exceeds primary drinking water standards)	Contamination of 25% of water supply (exceeds primary drinking water standards)	Contamination of 50% of water supply (exceeds primary drinking water standards)	
Disaster Loss			Disaster Loss	

WATER ALLOTMENT METHODS

The City has established the following allocation method for each customer type. See Appendix B for sample water shortage rationing allocation method.

Single Family	Hybrid of Per-capita and Percentage Reduction
Multifamily	Hybrid of Per-capita and Percentage Reduction
Commercial	Percentage Reduction
Industrial	Percentage Reduction
Gvt/Institutional	Percentage Reduction
Recreational	Percentage Reduction - vary by efficiency
New Customers	Per-capita (no allocation for new landscaping during a declared water shortage.)

Based on current and projected customer demand, Appendix B indicates the water allocated to each customer type by priority and rationing stage during a declared water shortage.

Individual customer allotments are based on a five-year period. This gives the City a more accurate view of the usual water needs of each customer and provides additional flexibility in determining allotments and reviewing appeals. However, no allotment may be greater than the amount used in the most recent year of the five-year base period.

The City staff shall classify each customer and calculate each customer's allotment according to the Sample Water Rationing Allocation Method. The allotment shall reflect seasonal patterns. Each customer shall be notified of his or her classification and allotment by mail before the effective date of the Water Shortage Emergency. New customers will be notified at the time the application for service is made. In a disaster, prior notice of allotment may not be possible; notice will be provided by other means. Any customer may appeal the City’s classification on the basis of use or the allotment on the basis of incorrect calculation.

PROHIBITIONS, CONSUMPTION REDUCTION METHODS AND PENALTIES

The City of Glendora "No Waste" Ordinance (see Appendix B) includes prohibitions on various wasteful water uses such as lawn watering during mid-day hours, washing sidewalks and driveways with potable water, and allowing plumbing leaks to go uncorrected more than 24 hours after customer notification.

Table 2 Consumption Reduction Methods	
Examples of Consumption Reduction Methods	**Stage When Method Takes Effect**
Demand reduction program	All stages
Reduce pressure in water lines	All stages under 80 psi
Flow restriction	For violations
Restrict building permits	
Restrict for only priority uses	III-VII
Use prohibitions	All stages
Water shortage pricing	All stages
Per capita allotment by customer type	III-VII
Plumbing fixture replacement	All stages
Voluntary rationing	I
Mandatory rationing	II-VII
Incentives to reduce water consumption	
Education Program	All Stages
Percentage reduction by customer type	II-VII
Other	Penalties for violations

See Appendix B, the "No Waste" Ordinance and Moratorium on New Connections - which details the reduction methods.

EXCESSIVE USE PENALTIES

Any customer violating the regulations and restrictions on water use set forth in the “No Waste" Ordinance shall receive a written warning for the first such violation. Upon a second violation, the customer shall receive a written warning. For a third violation the City may cause a flow-restrictor to be installed in the service. If a flow-restrictor is placed, the violator shall pay the cost of the installation and removal. If water service is disconnected, it shall be restored only upon payment of the turn-on charge fixed by the City Council.

MECHANISM TO DETERMINE REDUCTIONS IN WATER USE

Under normal water supply conditions, potable water production figures are recorded daily. Reports are prepared on a weekly basis by the Water Supervisor. Totals are reviewed by the Water Division Manager reviews the monthly reports and incorporates them into the water supply report. The superintendent then presents the report to the Director of Public Works and the City Manager.

During a Stage I or Stage II water shortage, daily production figures are reported to the Water Superintendent. The Water Superintendent compares the weekly production to

the target weekly production to verify that the reduction goal is being met. Weekly reports are forwarded to the Water Manager. Monthly reports are sent to the Director of Public Works, the City Manager and to the City Council. If reduction goals are not met, the Director of Public Works through the City Manager will notify the City Council direction to implement corrective action.

During a Stage III water shortage, the procedure listed above will be followed, with the addition of a daily production report to the Director of Public Works.

DETAILED SYSTEM DESCRIPTION.

The City's system includes eleven (11) service zones defined by reservoirs, three (3) hydro-pneumatic systems and one (1) zone served through a pressure regulating station (PRS). These service zones have been established to provide service to widely varying elevations at reasonable pressures.

The system contains 12 wells, 62 booster pumps, 30 reservoirs, 196 miles of pipelines, and about 13,000 meters.

TABLE 3

IMPORTED WATER SERVICE CONNECTIONS

SERVICE CONNECTION	LOCATION	ELEVATION (ft, amsl)	APPROXIMATE HYDRAULIC GRADE ELEV. (ft, amsl)	CAPACITY (GPM)	SERVICE TO ZONE
PM-18	Amelia South of Foothill	945	1075	4000	2 Through Boosters 30 and 34
PM-6	Sierra Madre East of Little Dalton Wash	940	1070	6750	1 Gravity
PM-23	Sierra Madre East of Wabash	890	1030	6750	1 Gravity

STORAGE

The City of Glendora's water system has 30 reservoirs constructed between 1916 and 2007.
Two of these reservoirs, Irwindale and San Gabriel, are strictly holding reservoirs to which groundwater is pumped from adjacent wells. They act as forebay for subsequent pumping into the system.

Gladstone Reservoir (Reservoir 8) provides operational and fire storage for the small Zone 8 area, but serves a more primary role as a holding reservoir for Zone 1 when water can be delivered to it from the Irwindale Plant.

The Zone 1 system has four reservoirs. 1B (Sierra Madre 2) and 1D (Goddard) are located at the City's Water Yard, and Reservoirs 1A and 1C are located in the South Hills area.

Goddard Reservoir is a 3.5 MG pre-stressed concrete reservoir constructed in 2007.

Sierra Madre 2 is a 4 MG pre-stressed concrete reservoir constructed in 1965.

South Hills West 1A is a 3MG steel reservoir constructed in 1965. Its overflow elevation is at 969.3 feet amsl.

South Hills West Reservoir 1C was constructed in 1975. It has a total volume of 7 MG and a high water elevation of 977.33 feet, which is about 8 feet higher than the high water elevations of the other three Zone 1 reservoirs. As such, unless demands are very low, the top eight feet of this reservoir cannot contribute to operational, fire or emergency storage.

The Zone 2 reservoirs are grouped in three areas.

Hidden Springs Reservoirs (2 and 2D), steel reservoirs of 1.25 MG and 3.5 MG respectively, are located at the end of Saga Street north of Little Dalton Wash. They have high water elevations of 1092 and 1091.8 feet. Reservoir 2D was constructed in 1983. The bottom of Reservoir 2D is 20 feet lower than the remaining Zone 2 reservoirs. Therefore, 1.5 MG of its volume is considered unusable.

South Hills East Reservoir (2A) is located near the end of High Country Drive in the South Hills area. It is a pre-stressed concrete tank with a high water elevation of 1088 feet amsl, which is four feet lower than the Hidden Springs Reservoirs.

Country Club Reservoir (2B) is located north of Wildwood Ranch Road and Wildwood Canyon Drive intersection near the easterly City Boundary. The high water elevation is 1086.8 feet.

There are three reservoirs that serve Zone 3. The overflow elevation of all three reservoirs is 1265 feet.

Kregmont Reservoir (3B) is a 0.326 MG concrete reservoir constructed in 1930. Its invert elevation (1252 feet is significantly higher than the invert elevations (1237 feet) of the other two reservoirs.

Morgan Ranch Reservoir (3) is a 2.5 MG reinforced concrete reservoir constructed in 1988. It is located near Morgan Ranch Road northeasterly of Oakland Drive.

Gordon Lower Reservoirs (13) are 2 160,000 gallon steal tanks constructed in 2000. They are located on Gordon highlands rd. northeast of Morgan Ranch. Bottom elevation is at 1493 feet.

Gordon Upper Reservoir (14) are 2 200,000 gallon steal tanks constructed in 2006. They are located on Gordon highlands rd. north of the Gordon lower reservoirs. Bottom elevation is 1720 feet.

Englewild (3C) is a 2.5 MG reinforced concrete reservoir located west of Englewild Drive in north Glendora. Zone 4 is served by two reservoirs (Hicrest) west of Ben Lomond in northwest Glendora.

Hicrest (4) **Reservoir 4** is a 0.4 MG concrete reservoir constructed in 1932. **Reservoir 4A** is a 0.045 MG bolted steel tank which was constructed in 1987. The overflow elevations of the two reservoirs are 1108.67 and 1108.50 feet, respectively.

The characteristics of the City's 30 reservoirs are shown in Table 4

TABLE 4
STORAGE RESERVOIRS

NO.	NAME	ELEVATION (ft, amsl) Overflow	Bottom	SIZE (MG)	MATERIAL	YEAR CONSTRUCTED	SOURCES
1A	South Hills West	969.33	954.33	3.000	Steel	1957	San Gabriel Reservoir via Boosters 16E, 17E, 35E, 38G
1B	Sierra Madre 2	969.64	954.64	4.000	Concrete	1965	
1C	South Hills West[1]	977.33	954.33	7.000	Concrete	1975	
1D	Goddard[2]	969.64	954.64	3.500	Concrete	2007	
	SUBTOTAL			17,500			
2	Hidden Springs	1092	1061	1.250	Steel	1961	Zone 1 via Boosters 11E, 12E, 22E, 23E, 36E
2A	South Hills East	1088	1065	2.500	Concrete	1965	
2B	Country Club	1086.7	1063.8	0.750	Steel	1960±	
2D	Hidden Springs[3]	1091.8	1043.83	3.500	Steel	1983	
	SUBTOTAL			8.000			
3	Morgan Ranch	1265	1237	2.500	Concrete	1988	Zone 2 via Boosters 8E, 15E
3B	Kregmont	1265	1252	0.326	Concrete	1930	
3C	Englewild	1265	1237	2.500	Concrete	1989	Zone 1 via Boosters 10E, 13E, 14E
	SUBTOTAL			5.326			
4	Hicrest	1108.67	1095.67	0.400	Concrete	1932	Zone 1 via Boosters 24E, 25E
4A	Hicrest	1108.50	1093.5	0.045	Bolted Steel	1987	
	SUBTOTAL			0.445			
5	Hook Cyn	1165	1150	0.325	Welded	2009	Zone 1 via Boosters 29E, 41E, 52E, 53E
5A	Hook Cyn	1165	1150	0.325	steel	2009	
	SUBTOTAL			0.650			
6	Big Dalton	1339.75	1324.75	0.045	Bolted Steel	1986	Zone 3 via Booster 31E
7	Boy Scouts	1473	1464	0.010	Concrete	1970	Zone 6 via Day Camp Booster
8	Gladstone[2]	776.5	765.0	1.500	Concrete	1925	2" Float Valve from Zone 1

TABLE 4
STORAGE RESERVOIRS
(Cont.)

NO.	NAME	ELEVATION (ft, amsl) Overflow	Bottom	SIZE (MG)	MATERIAL	YEAR CONSTRUCTED	SOURCES
13A	Gordon Lower	1508	1493	0.16	Welded Steel	2000	Zone 3 via Boosters 44,45,46E
13B		1508	1493	0.16			
14 A	Gordon Upper	1723	1700	0.20	Welded Steel	2007	Zone 13 via Boosters 58,59E
14 B		1723	1700	0.20			
19	Glencoe	1407.85	1384.85	0.212	Bolted Steel	1986	Zone 3 via Boosters 19E and 27E
19A	Glencoe	1407.85	1384.85	0.012	Bolted Steel	1985	
	SUBTOTAL			0.224			
21A	Englewild Drive	1347	1336	0.010	Steel	1988	Zone 3 via Boosters 47E and 48E
21B	Englewild Drive	1347	1336	0.010	Steel	1988	
	SUBTOTAL			0.020			
28	Bluebird Hill	1364.55	1341.55	0.125	Steel	1985	Zone 3 via Boosters 32 and 33
28A	Bluebird Hill	1364.55	1341.55	0.012	Bolted Steel	1984	
	SUBTOTAL			0.137			
I	Irwindale[2]	485	475	0.150	Concrete	1920	Wells 3 and 4
SG	San Gabriel[2]	681.14	692.14	0.185	Concrete	1920	Wells 5, 8, 9 and 12
	TOTAL[4]			35.958			

[1] Top 8 feet is non-usable
[2] Holding reservoir
[3] Bottom 20 feet is non-usable

Total operational storage capacity is 35.96 MG

PUMP STATIONS

The City of Glendora currently has 24 booster pump stations. The booster pump stations are utilized to deliver groundwater from holding reservoirs to the system reservoirs; lift water from lower zones to the higher zones; lift imported water from Metropolitan's Upper Feeder to the system and pressurize hydro-pneumatic systems. Additionally, the City owns three portable pumps.

The booster pumps and their characteristics are shown in Table IV-6.

The Irwindale Pump Station is located at the Irwindale plant. It contains five pumps of which three were installed in 1920. The pump station was used to pump groundwater from the Irwindale plant to the Gladstone Reservoir (8). It is anticipated that the Irwindale pump station will need complete rehabilitation when the Irwindale wells can be utilized.

Three pump stations are utilized to deliver groundwater from the Upper San Gabriel Basin wells and the Zone 8 system to the Zone 1 system.

The San Gabriel Pump Station is located at the City's San Gabriel plant near the Azusa Greens Golf Course in the City of Azusa. It has three electric motor and one gas engine driven (16E, 17E, 35E and 38G) booster pumps. They deliver the production from the Upper San Gabriel Wells and Vosberg Well (when it can be utilized) to the Zone 1 system through a 20-inch riveted steel pipe in Sierra Madre Avenue (San Gabriel Transmission Main). The San Gabriel Holding Reservoir serves as the forebay for the four pumps.

These pumps are controlled by the level of the Zone 1 reservoirs at the Water Yard and the water level at the San Gabriel holding reservoir. Booster 35 is started when the water level in the Sierra Madre Reservoir drops to 967.5 feet and the remaining boosters (38E, 17E and 16E) come on line if the water level continues to drop (967.0, 966.5, 966.3 feet.) The boosters are shut off (16E, 17E, 38E and 35E) as the water level reaches 968.3, 968.5, 968.8 and 969.5 feet respectively.

TABLE 5
BOOSTER PUMPS

BOOSTER PUMP	YEAR CONSTR.	GR EL (ft, amsl)	FLOW (gpm)	TH (ft)	HP	OAE (%)	PUMP TYPE	SUCT. ZONE	DISCH. ZONE	DATE OF TEST
IRWINDALE										
1G	1920	475	1350					I	8	
26	1920	475	1350					I	8	
3G	1920	475	2007					I	8	
39G	1969	475	1500		250			I	8	
40G	1970	475	2500		325			I	8	
SAN GABRIEL										
16E	1961	680	1064	377.3	150	63	VT	SG	1	05-10-93
17E	1959	680	1035	288	100	66	5 ST VT	SG	1	02-18-94
35E	1967	680	3064	306.7	300	77.3	4 ST VT	SG	1	02-18-94
38G	1971	680	3000		350		5 ST VT	SG	1	
GLADSTONE										
5E		755	1710	210.4	125	70	3 ST VT	8	1	07-09-85
6E		755	1732	199.8	100	66.8	4 ST VT	8	1	11-29-83
DAWSON										
9E	1956	735	1200	212.5	100	75.1	4 ST SUB	8	1	10-03-78
HIDDEN SPRINGS										
11E	1960	955	1253	129.5	60	66.1	2 ST VT	1	2	06-01-93
12E	1960	955	1336	130.8	60	72.0	2 ST VT	1	2	06-01-93
VALLEY CENTER										
21E	1982	825	664	135	40	52.6	HC	1	2	2-16-84
COUNTRY CLUB										
22E	2006	940 ±	1800	155.9	100	71.2	VT	1	2	5-2008
23E	2006	940 ±	1800	155.9	100	72.8	VT	1	2	5-2008
36E	2006	940 ±	1800	155.9	100	72.3	VT	1	2	5-2008
AMELIA										
30E	1977	970	2850	68.1	75	58.7	1 ST SUB	MWD/UF	2	4-21-89
34E	1979	970	1500		40		HC	MWD/UF	2	

TABLE 5
BOOSTER PUMPS (Cont.)

BOOSTER PUMP	YEAR CONSTR.	GR EL (ft, amsl)	FLOW (gpm)	TH (ft)	HP	OAE (%)	PUMP TYPE	SUCT. ZONE	DISCH. ZONE	DATE OF TEST
Englewild										
10E	1979	955	818	311.7	75	75.1	8 ST VT	1	3	06-01-93
13E	1962	955	674	310.9	75	62.8	8 ST VT	1	3	06-07-93
14E	1962	955	790		75		8 ST SUB	1	3	
GREENCROFT										
60, 61, 62	2009	970	750 X3	192.4	30	70.0	5 ST VT	2	3	05-24-93
				188.7	25	72.2	5 ST VT	2	3	05-24-93
OAK KNOLL										
28E	1976		300		30		4 ST SUB	2	3	
HICREST										
24E	1992		507		40	65.2	4 ST VT	1	4	07-06-93
25E	1992		503		40	66.2	4 ST VT	1	4	07-06-93
AZUSA PACIFIC										
29E	1983		400		25	61.2	4 ST SUB	1	5	07-12-93
41E	1970		357	208	100			1	5	
CHURCH OF THE OPEN DOOR										
52E	1992	885	583	224.0	50	69.3	5 ST VT	1	5	08-25-92
53E	1992		601	235.6	50	73.5	5 ST VT	1	5	08-25-92
DALTON										
31E	1965	1125	935	80.8	30	53.3	4 ST SUB	3	6	08-25-92
BOY SCOUTS										
	1977	1325	15		2			6	7	
SILENT RANCH										
20E	1976		185		15		9 ST SUB	5	11-H	
EAGLE RIDGE										
49E	1989	1000	390	107.4	20	59.8	5 ST VT	2	12-H	12-18-90
50E	1989		352	129.3	20	67.0	5 ST VT	2	12-H	12-18-90

51E	1989		332	129.4	20	63.2	5 ST VT	2	12-H	12-18-90

TABLE 5
BOOSTER PUMPS
(Cont.)

BOOSTER PUMP	YEAR CONSTR.	GR EL (ft, amsl)	FLOW (gpm)	TH (ft)	HP	OAE (%)	PUMP TYPE	SUCT. ZONE	DISCH. ZONE	DATE OF TEST
MORGAN RANCH										
44E	1989	1235	238	299.3	30	65.4	VT	3	13	05-02-91
45E	1989	1235	283	290.1	30	71.2	VT	3	13	05-02-91
46E	1989	1235	315	276.2	30	73.5	VT	3	13	05-02-91
GORDON LOWER										
58E	2007	1493	400	235.2	30	69.3	VT	13	14	6/07
59E	2007		400	235.2	30	69.3		13	14	6/07
RAINBOW										
42E		960	358	233.3	30	55.7	10 ST VT	2	18-H	05-22-92
43E	1987		334	250.7	30	65.7	10 ST VT	2	18-H	05-22-92
GLENCOE										
26E			400		30			3	19	
27E	1989		486	194.1	30	59.8	5 ST VT	3	19	08-27-92
ENGLEWILD										
47E	1988		60	88.9	3	45.7	8 ST VT	3	21	05-02-91
48E	1988		60	91.3	3	46.9	8 ST VT	3	21	05-02-91
BLUEBIRD										
32E	1980	1000	193	124.7	10	53.3	7 ST VT	3	28	04-21-93
33E	1980		182	127.0	10	53.3	7 ST VT	3	28	04-21-93

The Gladstone Pump Station is adjacent to the Gladstone Reservoir. It is utilized to pump from the Gladstone Reservoir to the Zone 1 system with two electric motor driven pumps (5E and 6E) when groundwater from the Irwindale plant is available.

The Dawson Pump Station consists of a single submersible electric motor driven pump easterly of the Glendora Avenue/Dawson Avenue intersection just south of the Foothill Freeway. It takes suction from the 18-inch diameter Irwindale Transmission Main through a 12-inch pipe and pumps into the 24-inch diameter Zone 1 system near the two South Hills West Reservoirs. Since the Irwindale wells have been inactive, Dawson Pump Station has not been operated.

Service Zone 2 is supplied through four booster pump stations.

The Hidden Springs Pump Station is located at the City's Water yard between Reservoirs 1 and 1B. It contains two electric motor driven pumps (11E and 12E) which take suction from the 20-inch diameter line connecting the Reservoirs and pump into a 16-inch diameter Zone 2 pipe in Lorraine Avenue. The pumps are started by the low water level of 1086 feet amsl in the Hidden Springs Reservoirs and shut off at high water level of 1092 feet amsl.

Valley Center Pump Station is located in a below ground vault easterly of Valley Center Avenue. The single pump (21E) takes suction from the Zone 1 piping in Gladstone Street and pumps into the Zone 2 piping to supplement fire flows in the southernmost portion of the zone.

The Country Club Pump Station is located adjacent to the Goddard Reservoir (1D) at the City's Water Yard. The three electric motor driven pumps (22E, 23E and 36E) take suction from the reservoir and pump into Zone 2 piping in Sierra Madre Avenue and Palm Avenue.

This pump station is controlled by the water level in the Country Club Reservoir. They start at low water level of 1082 feet and shut off at the high water level of 1086 feet.

The Amelia Pump Station PM-18 is a below ground facility in the median of Amelia Avenue just south of Foothill Boulevard. It contains two electric motor driven pumps (30E and 34E) which take suction from Metropolitan's Upper Feeder through the PM-18 Turnout and pump into the 16-inch diameter Zone 2 pipe in Amelia Avenue. The pumps are controlled by the water level in the Country Club Reservoir (2B). They start at low water elevations of 1068.0

and 1067.0 feet and stop at the high water elevations of 1085.0 and 1086.0 feet. The pump station is equipped with a portable generator connection and a manual transfer switch.

Three booster pump stations supply the Zone 3 system.

The Englewild (Kregmont) Pump Station is located at the City's Water Yard between Reservoirs 1B and 1D just south of the Hidden Springs Pump Station. It contains three electric motor driven pumps (10E, 13E and 14E) which take suction from the 20-inch diameter pipe between the two Zone 1 Reservoirs and pump into a 14-inch diameter Zone 3 pipe in Lorraine Avenue. This pump station was referred to as the Kregmont Pump Station in the past.

The Englewild Pump Station is controlled by the level of the Englewild Reservoir. The three pumps start at the low water elevations of 1259.5, 1258.5 and 1259.0 feet and stop at the high water levels of 1263.5, 1263.0 and 1262.5 feet, respectively.

The Greencroft Pump Station is a below ground facility at the intersection of Greencroft Avenue and Valiant Street. The three electric motor driven pumps (60, 61 and 62) take suction from the 16-inch diameter Zone 2 pipe in Valiant Street and pump into a 12-inch diameter Zone 3 pipe in Greencroft Avenue.

This pump station is controlled by the water level in the Morgan Ranch Reservoir. They start at the low water level of 1257 feet and stop at the high water level of 1264 feet.

The Oak Knoll Pump Station contains a single submersible electric motor driven pump (28E) at the intersection of Oak Knoll Drive and Highland Drive. It takes suction from the 16-inch diameter Zone 2 pipe in Oak Knoll Drive and pumps into the 12-inch diameter Zone 3 pipe. This pump starts when the water level in the Morgan Ranch Reservoir drops to 1256.0 feet amsl and stops at the high level of 1263.5 feet.

The Hicrest Pump Station is located at Yucca Ridge and Hicrest. It contains two electric motor driven pumps (24E and 25E) that take suction from an 8-inch diameter Zone 1 pipe in Yucca Ridge and pump into the Zone 4 system.

These pumps are controlled by the water level in the Hicrest Reservoir. They start at low reservoir level of 1101 feet and stop at the high water level of 1107 feet.

The Zone 5 system is supplied through two pump stations.

The Azusa Pacific Pump Station is located westerly of Grand Avenue between Parkbrook Lane and Palm Drive. It contains two submersible electric motor driven pumps (29E and 41E). Pump 41E takes suction from a 10-inch diameter Zone 1 pipe and pumps into a parallel 10-inch diameter Zone 5 pipe. Pump 29E takes suction through a 6-inch diameter Zone 1 pipe and pumps into a 6-inch diameter Zone 5 pipe. This pump station has suction and discharge piping which can accommodate a portable pump around 29E. The pump station is controlled by the water level in the Azusa-Pacific Reservoir. It is started at a low water level of 1156.5 feet and shut off at a high water level of 1162.5 feet.

The Church of the Open Door Pump Station is located north of Sierra Madre Avenue and east of Ben Lomond. It contains two electric motor driven pumps (52E and 53E) as well as portable pump connections. The suction is through an 8-inch diameter Zone 1 pipe and it discharges into an 8-inch diameter Zone 5 pipe.

These pumps are also controlled by the water level in the Hook Cyn. Reservoir The station starts at the low water level of 1155.5 feet and shut off as the high water level of 1163.5 feet.

The Dalton Canyon Pump Station contains a single submersible electric motor driven pump (31E) which takes suction from the 16-inch diameter Zone 3 pipe in Glendora Mountain Road and pumps into a 16-inch diameter Zone 6 pipe in Glendora Mountain Road
Station is controlled by the Big Dalton Reservoir level. The station is started at the low reservoir level of 1332.25 feet and shut off at the high water level of 1337.45 feet

Boy Scouts Pump Station serves Zone 7 through a single 15 GPM electric motor driven pump (Boy Scouts) located adjacent to and taking suction from the Zone 6 Reservoir in Big Dalton Canyon Road. It discharges into the 4-inch diameter Zone 7 pipe in Big Dalton Canyon Road.

The Silent Ranch Pump Station is located below the Azusa Pacific Reservoirs (5 and 5A). It contains one 15 HP submersible electric motor driven pump (20E) and a 15 HP horizontal centrifugal pump. They take suction from the 12-inch diameter Zone 5 Reservoir inlet/outlet line and pump into the Zone 11 hydro pneumatic tank. Booster Pump 20E normally provides service to the zone and the horizontal centrifugal pump is operated manually as backup.

The Eagle Ridge Pump Station is located south of Eagle Ridge Drive in the South Hills area of the City. It contains three electric motor driven pumps (49E, 50E and 51E) which take suction from an 8-inch diameter Zone 2 pipe in Eagle Ridge Drive and pumps into the Zone 13 hydro pneumatic tank. This station is equipped with portable generator and portable pump connection facilities.

The three pumps are set to start at discharge pressures of 80 psi, 75 psi and 70 psi. They are shut off at discharge pressures of 92 psi, 90 psi and 87 psi.

The Morgan Ranch Pump Station is located adjacent to the Morgan Ranch Reservoir (3). It contains three electric motor driven pumps (44E, 45E and 46E) which take suction from the 16-inch diameter reservoir inlet/outlet line and pump into the Zone 13 Gordon Ranch Tank. This station is equipped with portable pump and generator hook-up facilities.

The Gordon Lower Pump Station is located adjacent to the Gordon lower zone 13 reservoirs. It contains two electric motor driven pumps (58E, and 59E) which takes water from the zone 13 reservoirs and pumps water to the zone 14 reservoirs. This station is equipped with generator hook up facilities.

The Rainbow Pump Station takes suction from the 6-inch diameter Zone 2 pipe in Rainbow Drive and pumps into an 8-inch diameter pipe in Rainbow Drive, which terminates at the 10,000 gallon Zone 18 hydro-pneumatic tank. It contains two electric motor driven pumps (42E and 43E). This pump station is equipped with portable generator and portable pump hook-up facilities.

The pumps are started at low discharge pressures of 155 psi and 150 psi. They are shut off at high discharge pressures of 180 psi and 175 psi.

The Glencoe Pump Station takes suction from the 12-inch diameter Zone 3 pipe in East Palm Drive and pumps into the 8-inch diameter Zone 19 pipe. It is a below ground facility with two electric motor driven pumps (26E and 27E).

The pump station is started at the low water level of 1399.85 feet in the Glencoe Reservoir and is shut off at the high water level of 1406.35 feet.

The Englewild Canyon Pump Station is located at 1163 Englewild Drive. It contains two electric motor driven pumps (47E and 48E) which take suction from the 12-inch Zone 3 pipe in Englewild Drive and discharge into the 6-inch diameter Zone 21 pipe. The pump station is equipped with a portable generator connection and a manual transfer switch. It is controlled by the level of Reservoirs 21 and 21A.

The station is started at a low discharge pressure of 15 psi and it is shut off at the high discharge pressure of 40 psi.

The Bluebird Canyon Pump Station is located near the intersection of Sierra Madre Avenue and Valley Center Avenue. The two electric motor driven pumps (32E and 33E) take suction from the 12-inch diameter Zone 3 pipe in Sierra Madre Avenue and pump into the 8-inch diameter Zone 28 pipe in Bluebird Road. This station is equipped with portable pump hook-up facilities.

The pumps are controlled by the water level in the Bluebird Reservoir. The station is started at the low water level of 1356.6 feet and shut off at the high water level of 1363.1 feet.

The City of Glendora owns three portable pumps and three generators to provide backup service in case of a power outage or pump/motor failure.

Portable Pump 117D is a four cylinder Perkins HP-55 diesel engine operated pump which is rated at 700 GPM, 250 FT total dynamic head and 1760 RPM. It is normally stationed at the Azusa-Pacific Pump Station.

Portable Pump 134-G is a 6 cylinder Dodge HP-72 gasoline engine driven pump rated at 500 gpm at a total dynamic head of 250 feet. This pump is used as backup for the Glencoe Heights and Hicrest Pump Stations.

Portable Pump 142-D is a 6 cylinder Perkins HP-110 diesel engine driven pump rated at 1000 GPM, 320 FT total dynamic head and 1800 RPM. It is stationed at the Bluebird Canyon Pump Station (Vern Gillette).

PRESSURE REGULATING STATIONS

The City of Glendora's system contains three pressure regulating stations.

Prospero Pressure Regulating Station (PRS 1) is located in Gladstone Street east of Prospero Drive. It provides supply from the 10-inch diameter Zone 1 pipe in Gladstone Street to the 18-inch diameter Zone 8 pipe (Irwindale Transmission Main) which is also in Gladstone Street. This station contains a single 6-inch pressure reducing valve with an inlet setting of 135 psi and an outlet setting of 50 psi, corresponding to a hydraulic grade elevation of 750 feet amsl.

Grand Pressure Regulating Station (PRS 2) is located in Grand Avenue between Carter Drive and Arrow Highway. Its inlet is from the 8-inch diameter Zone 1 pipe on the east side of Grand Avenue and the outlet is connected to the 6-inch diameter steel Zone 9 pipe. The inlet pressure is approximately 140 psi and the outlet pressure is set at 50 psi, which corresponds to a hydraulic grade elevation of 770 feet amsl.

Valley Center Zone 2 to Zone 1 tie -in is located in the side walk on Gladstone Street east of Valley Center Avenue. It contains a 6-inch valve. The inlet is from the 12-inch diameter Zone 2 pipe in Gladstone Street and the outlet is connected to the 12-inch diameter Zone 1 pipe also in Gladstone Street. The inlet pressure is approximately 110 psi and the outlet setting is at 55 psi, which corresponds to a hydraulic grade elevation of 960 feet amsl. The City of Glendora currently does not use the pressure reducing valve and conveys water from Zone 2 to Zone 1 through a gate valve.

EMERGENCY CONNECTIONS

The City of Glendora has three connections with neighboring water agencies and provides water to a private system (Los Cerritos) in the South Hills area west of Hunter's Trail.

Glendora/Suburban Connection is located in Foothill Boulevard between Grand Avenue and Valencia Street. This connection provides supply from Glendora's 8-inch diameter Zone 1 pipe in Foothill Boulevard to the Suburban Water Systems service area through a 6-inch pressure regulating valve. The approximate inlet pressure is 116 psi (hydraulic grade elevation of 970) and the outlet pressure is set at 58 psi. Suburban Water Systems utilizes the connection to meet the peak demands near the connection.

Suburban/Glendora Connection is located in Bonita Drive east of the Barranca Avenue intersection with Arrow Highway. The connection supplies the City's 8-inch diameter PVC Zone 8 pipe from the Suburban Water Systems' pipes in Bonita Drive through a pressure regulating valve. The approximate inlet pressure is 120 psi and the outlet pressure is set at 75 psi (hydraulic grade elevation of 790 feet amsl). The Suburban/Glendora Connection was utilized in the past to blend with the supply from the Irwindale Wells (3 and 4). However, since the nitrate concentration in the Suburban supplied water varied as they put their wells with higher nitrate concentration into service without the City of Glendora's knowledge, this connection could not be dependably utilized by the City.

SERVICE ZONES

The City of Glendora's water service area consists of eleven (11) zones established by reservoirs, three (3) zones served by hydro-pneumatic systems and one zone served through a pressure regulating station.

Service Zone 1

Service Zone 1 is the largest zone in the City's service area. The high water elevation of the zone is about 969.5 feet. The existing service elevations vary from 620 feet at Gladstone Street and Barranca Avenue to 890 feet at Ben Lomond north of Sierra Madre Avenue.

Service Zone 1 extends between Arrow Highway on the south and Sierra Madre Avenue on the north. Several small areas north of Sierra Madre Avenue are also in this zone. Grand Avenue forms the general westerly boundary south of Mauna Loa Avenue with the exception of two areas along Gladstone Street east of Barranca Avenue. Another Zone 1 extension west of Grand Avenue exists between Mauna Loa and Alosta Avenue. Service Zone 1 boundary extends southwesterly along Little Dalton Wash from just south of Grand Avenue/Foothill Boulevard intersection to Valencia; then west along Carroll Avenue to Barranca; north to Foothill Boulevard; west to east of Oakbank; north to the Atchison Topeka & Santa Fe (AT & SF) Railroad, southwest to Citrus Avenue; north to the westerly extension of Bennett Avenue; west to the northerly extension of Rockvale Avenue and north to Sierra Madre Boulevard.

Valley Center Avenue forms the easterly boundary between Arrow Highway and Allen Avenue. The Zone boundary follows the extension of Allen Avenue easterly for 950 feet; then north through the 210 Freeway. It wraps around the South Hills area and follows the Big Dalton Wash alignment northeasterly to west of San Jose Drive; north to Foothill Boulevard; west to Lorraine Avenue; north to south of Mountain view Avenue; west to Elwood Avenue; north to south of Meda Avenue; west to the extension of Chapparal Road; north to north of Cypress; west to Cullen Avenue; north to Ledora Avenue; west to Minnesota Avenue; north to Virginia Avenue; west to Wabash Avenue and north to Sierra Madre Avenue.

With the sole exception of Turnout PM-18 through which imported water is supplied to the Zone 2 system, Zone 1 provides all the supply to the higher zones through seven pump stations. The Country Club Pump Station (22E, 23E and 36E), Valley Center/Gladstone

Pump Station (21E) and the Hidden Springs Pump Stations (11E and 12E) pump from the Zone 1 system into the Zone 2 system; the Englewild reservoir Pump Station (10E, 13E and 14E) pumps to the Zone 3 system; Hicrest Pump Station (24E and 25E) pumps to the Zone 4 system; and the Azusa-Pacific Pump Station (29E and 41E) and Church of the Open Door Pump Station (52E and 53E) pump to the Zone 5 system. Zone 1 also supplies Zone 8 through the Pressure Regulating Station 1 in Gladstone Street east of Barranca Avenue; Zone 9 through the Pressure Regulating Station 2 in Grand Avenue north of Arrow Highway and Suburban Water Systems through the Foothill connection.

The Zone 1 system has 4 reservoirs with a total volume of 17.5 MG the overflow elevation of the South Hills West 1 Reservoir is 977 feet, which is 8 feet higher than the rest of the zone reservoirs. Therefore, the storage in the upper 8 feet is not usable.

The 210 Freeway splits this zone into two distinct areas which are joined through three pipes in Grand Avenue (12-inch diameter), Citrus Edge and Farber (6-inch diameter) and Glendora Avenue (18-inch diameter), all or which are west of South Hills. Due to the high elevations in the easterly portions of the South Hills area, the Zone 1 system is not connected through the Freeway east of Glendora Avenue.

The service area covers approximately 3335 acres, most of which has been developed in residential, commercial and industrial uses. Some 200 acres north of the AT & SF railroad and west of Barranca Avenue, which is currently in agricultural use (nursery), is zoned for Single Family Estate Residential development.

The existing and ultimate average day demand for the Zone are 3,635 GPM (5,860 AF/YR) and 4078 GPM (6,579 AF/YR), respectively. The existing supply to this zone consists of groundwater through the Upper San Gabriel and Glendora Basin Wells (5, 8, 9, 12, 1, 2, 10, 11, and 13) and imported water through the PM 6 and PM 23 Turnouts on the Metropolitan's Upper Feeder. The supply can be augmented from the Irwindale Wells (3 and 4) through Zone 8 and the Vosburg Well (7) through the San Gabriel Plant when blending and/or treatment scenarios can be implemented. The Upper San Gabriel Basin groundwater is delivered through the San Gabriel Pump Station. Wells 1, 2 10, 11, and 13 pump directly into Reservoir 1. A zone valve in Gladstone Street west of Valley Center Avenue can also be opened manually to supply the southeasterly portions of Zone 1 from Zone 2 in case of low pressures in this area.

Several areas along the northerly and easterly boundary of the Service Zone 1 are too high to be served at proper pressures. These areas are:

- Between Yucca Ridge Road and Barranca Avenue north of La Crosse Street (currently undeveloped)
- Between Barranca Avenue and Trayer Avenue north of La Fetra
- West of Grand Avenue and north of Parkbrook Lane
- Northerly half of Rainbow Drive and Bubbling Well
- Between Elwood Avenue and Lorraine Avenue north of Foothill Boulevard
- Between Lorraine Avenue and west of San Jose Drive north of Carroll Avenue

Service Zone 2

Service Zone 2 is the second largest zone in the system. The high water elevation for the zone is approximately 1090 feet amsl. The service elevations vary from 810 feet at Alosta Avenue and Big Dalton Wash to 1030 feet north of Oak Knoll Drive.

Service Zone 2 extends in a southeast to northwest direction generally following the easterly boundary of the Zone 1 service area between Gladstone Street on the south and the extension of Palm Drive on the north. The easterly boundary extends into the City of San Dimas just east of Amelia Avenue and the westernmost boundary is formed by Zone 5 service area just west of Rainbow Drive. The northeasterly boundary is formed by the service areas of Zones 3, 28, 18 and 19.

The service area covers approximately 2000 acres most of which has been developed in residential and commercial uses. Three areas of possible future development include a 10 acre strip east of Lone Hill Avenue between Oak Park Drive and Country Club Drive which is zoned single family estate; approximately 12 acres of commercial and 6 acres of single family estate zoned area north of Foothill Boulevard and west of Amelia Avenue; and 85 acres of Retail and Commercial zoned area north of Gladstone Street between Valley Center Avenue and Lone Hill Avenue. Two small areas which are contiguous with the Zone 3 service area are served by the Zone 2 system. One area is located between Lorraine Avenue and Quail Springs Path south of Palm Drive and the other is at the northwest corner of Entrada Way and Palm Drive.

The existing average day demand is approximately 2540 GPM (4100 AF/YR) and the ultimate average day demand for the zone is estimated at 3033 GPM (4892 AF/YR).

The supply to the zone is from Zone 1 through the Country Club Pump Station (22E, 23E and 36E) and Hidden Springs Pump Station (11E and 12E) which are located at the City's Water Yard, the Valley Center/Gladstone Pump Station (21E); and from Metropolitan's Upper Feeder through Turnout PM-18 and the Amelia Pump Station (30E and 34E). Zone 2 supplies Zone 3 through the Greencroft Pump Station (8E and 15E) and the Oak Knoll Pump Station (28E); the Eagle Ridge hydro-pneumatic system (Zone 12) through the Eagle Ridge Pump Station (49E, 50E and 51E); and the Rainbow hydro-pneumatic system (Zone 18) through the Rainbow Pump Station (42E and 43E).

Service Zone 2 has four reservoirs with a total capacity of 8 MG. Two of the reservoirs, Country Club and South Hills East, have overflow elevations (1086.8 feet and 1088 feet, respectively) lower than the Hidden Springs Reservoirs, which have overflow elevations of about 1092 feet.

Service Zone 3

Service Zone 3 is generally located along the northeast boundary of the Zone 2 service area. The high water elevation for the zone is 1265 feet. The service elevations vary from 875 feet at the Glendora Country Club Golf Course near Lone Hill Avenue and Manor Lane to about 1200 feet amsl in Englewild Drive west of Kregmont Reservoir.

Service Zone 3 covers three non-contiguous areas. The most westerly Zone 3 service area abuts the northerly and easterly Zone 2 boundary between Glendora Mountain Road and the northerly extension of Pasadena Avenue. This portion also includes the two small Zone 2 pockets. The second Zone 3 area is located between the southerly boundary of Zone 28 and the easterly extension of Cypress Avenue. The westerly boundary of this area is between Oak Knoll Drive and Highland Drive and the easterly boundary is between Whispering Oaks Drive and Verdugo Avenue.

The third Zone 3 service area is located between Zone 13 to the north and Zone 2 to the south and west. This portion of Zone 3 also covers the entire Glendora Country Club Golf Course.

The service area covers 705 acres, most of which has been developed in single family estate and rural hillside residential uses. Small areas of commercial development are located along Foothill Boulevard near Cataract Avenue.

The existing and ultimate average day demands for the Zone 3 service area are 930 GPM (1500 AF/YR) and 1099 GPM (1772 AF/YR), respectively. The supply to Zone 3 is provided by the Englewild Pump Station (10E, 13E, 14E) located at the City's Water Yard; the Greencroft Pump Station (8E and 15E) located at the intersection of Greencroft Avenue and Valiant Street; and the Oak Knoll Pump Station (28E) located at Oak Knoll Drive and Highland Drive.

Zone 3 supplies Zone 19 (Glencoe Heights), Zone 21 (Englewild Canyon); Zone 6 (Big Dalton); Zone 28 (Bluebird); and Zone 13, the Morgan Ranch hydro-pneumatic system.

This zone has three reservoirs, all at the same high water elevation of 1265 feet. The total storage capacity is 5.326 MG. Kregmont Reservoir, which was constructed in 1930 is in need of extensive repairs and is landlocked. Since the zone has sufficient other storage capacity, this reservoir will be removed from service.

Service Zone 4 (Hicrest)

Service Zone 4 covers approximately 72 acres at the northwesterly corner of the City's service area. It is located north of Sierra Madre Avenue between the northerly extension of Citrus Avenue and east of Ben Lomond Avenue.

The high water elevation of the Zone is 1108 feet. The service elevations within the zone boundaries vary from 870 feet at Sierra Madre and the westerly city boundary to 1080 feet at the northerly extension of Yucca Ridge Road. The land uses in the zone consist of Rural Hillside Residential, Single Family Estate Residential (half acre lot minimum) and the service area also includes Brown Military Academy and St. Lucy's Priary High School.

The existing and ultimate average day demands for the zone are 33 GPM (53 AF/YR) and 39 GPM (63 AF/YR), respectively. The supply to Zone 4 service area is through the Hicrest Pump Station (24E and 25E) located easterly of Yucca Ridge Road and southerly of Hicrest Drive.

Zone 4 has two reservoirs of 0.4 MG and 0.045 MG capacity.

The distribution system contains many small and very old pipes some of which are located within hard to access easements.

The northerly portions of the zone are too high to receive service at the pressures established by the service criteria. These include:

- Areas north of Cairngrove/Ben Lomond intersection
- Northerly end of Yucca Ridge Road

Service Zone 5 (Azusa-Pacific)

The Zone 5 system covers approximately 87 acres easterly of Zone 4 in the northwest portion of the City. It generally lies north of Sierra Madre Avenue. The westerly boundary lines up with the extensions of Wildwood Avenue and Marcile Avenue and the easterly boundary is located between Westridge Avenue and Rainbow Drive.

The high water elevation is 1165 feet and the service elevations vary from 815 feet at Sierra Madre Avenue and Glendora Avenue to 1120 feet at the northerly zone boundary.

The land uses consist of Rural Hillside Residential and Single Family Estate. Azusa-Pacific College Hillside Campus and part of St. Lucy's Priory High School are also part of Zone 5 service area.

The land use is Single Family Estate with minimum 5 acre lot size.

The existing and ultimate average day demands, including Zone 7 (Boy Scouts Camp), are 12 GPM (20 AF/YR) and 15 GPM (23 AF/YR), respectively.

The supply to this Zone is provided through the single 935 GPM capacity booster pump (31E) at the Dalton Canyon Pump Station located between Lots 12 and 13 of Tract 43011 west of Glendora Mountain Road and south of Big Dalton Canyon Road. Dalton Canyon Pump Station takes suction from the 16-inch Zone 3 line in Glendora Mountain Road.

Service Zone 6

Zone 6 is served by a 0.045 MG capacity bolted steel reservoir (6) located northeasterly of the Zone boundary in Big Dalton Canyon Road. Zone 6 supplies the Zone 7 system through a single 2 HP pumps adjacent to the Zone 6 reservoir.

The distribution system is 16-inch in diameter in Big Dalton Canyon Road and 6-inch and 4-inch in diameter in Glendora Mountain Road north of Big Dalton Canyon Road.

Service Zone 7 (Boy Scouts Camp)

Service Zone 7 covers the Boy Scouts Camp area (approximately 10 acres) northeasterly of Zone 6 along Big Dalton Canyon Road.

The high water elevation is 1473 feet as defined by the 0.01 MG Zone 7 reservoir. The service elevations vary from 1270 feet at the southwesterly boundary to 1400 feet at the northeasterly boundary.

Separate records of water use for the Zone are not available. The supply is provided through a single 2 HP, 15 GPM capacity pump adjacent to the Zone 6 Reservoir.

Service Zone 8 (Gladstone)

Zone 8 covers a 14 acre mobile home park east of Barranca Avenue and south of the extension of Newburgh Street, adjacent to the Oakdale Memorial Park Cemetery.

The high water elevation is 776 feet as defined by the overflow elevation of Gladstone Reservoir. The service elevations vary from 620 feet to 640 feet.

The existing and ultimate average day demands are estimated at 30 GPM (48 AF/YR).

When the Irwindale Wells were usable, the Zone was supplied through the Irwindale Transmission Main. Currently, the supply is from the Zone 1 system through the Prospero Pressure Regulating Station (PRS 1) located in Gladstone Street east of Prospero Drive.

Service Zone 8

Service Zone 8 contains one reservoir (8) of 1.5 MG capacity. It primarily provided forebay storage for the Gladstone Pump Station (5E and 6E) and the Dawson Pump Station (9E) which pump to Zone 1. However, since the Irwindale Wells (3G and 4E) have been inactive, so has the Gladstone Reservoir. The City now maintains water in the reservoir for fire service for Zone 8.

Service Zone 9

The Zone 9 service area covers approximately 2.5 acres northwesterly of Grand Avenue intersection with Arrow Highway. It is served from the Zone 1 system through Grand Pressure Regulating Station (PRS 2) located in Grand Avenue between Arrow Highway and Carter Drive. The outlet pressure setting of 50 psi provides a hydraulic grade elevation of 750 feet for this Zone.

The service elevations vary from 640 feet to 655 feet. The land use is Retail and Commercial (C3).The existing and ultimate average day demands are 4 GPM (6.5 AF/YR).

Service Zone 11 (Silent Ranch)

Zone 11 is located along the northerly boundary of Zone 5 at the end of Silent Ranch Drive. It covers approximately 3 acres of Single Family Estate land use with half acre minimum lots.

Zone 11 is served by a hydro-pneumatic system which contains a 185 GPM capacity submersible booster pump (20E) and a manually operated 15 HP horizontal centrifugal backup pump at the Silent Ranch Pump Station. Separate water use records have not been kept for the Zone.

The service to Zone 11 is provided through the Zone 5 system.

Service Zone 12 (Eagle Ridge)

Zone 12 is located along Eagle Ridge in South Hills East area. It covers 22 acres of Rural Hillside Residential land use.

Service Zone 13 (Gordon Lower Reservoirs)

Zone 13 is located north of Morgan Ranch Road Zone 3 boundary in northeast Glendora. It covers 22 acres of Gordon highlands development Residential Land use. It is fed by 2 steel reservoirs 160,000 gallons each. The reservoirs are supplied by 3 400gpm electric motor pumps located at Moron ranch.

The Zone piping is 10-inch in diameter. The existing and ultimate average day demands are 10 GPM (15 AF/YR) and 12 GPM (19 AF/YR), respectively.

Service Zone 14 (Gordon Upper Reservoirs) Zone 14 is located northeast of zone 13 and is part of the Gordon highlands residential development. It is fed by 2 400gpm electric motor pumps located at the zone 13 reservoir sites. It covers about 27 acres.

Service Zone 18 (Rainbow)

Zone 18 is located along Rainbow Drive northerly of the Zone 2 boundary in northwest Glendora. It covers 24 acres of Rural Hillside Residential Land use.

Zone 18 is served by a hydro-pneumatic system which contains two 30 HP pumps taking suction from the Zone 2 pipe in Rainbow Drive.

The existing and ultimate average day demands are 13 GPM (21 AF/YR) and 16 GPM (26 AF/YR), respectively.

Service Zone 19 (Glencoe)

Zone 19 covers approximately 87 acres mostly north of Palm Avenue. The easterly boundary is located east of Glencoe Heights Drive and the westerly boundary is east of the northerly extension of Vermont Avenue.

The high water elevation is 1407 feet as established by the Glencoe Heights Reservoirs. The service elevations vary from 1010 feet southwesterly of Conifer Drive to 1390 feet at the northwest corner of the Zone.

The existing and ultimate average day demands are 42 GPM (74 AF/YR) and 50 GPM (80 AF/YR), respectively.

Service Zone 19 is supplied water from Zone 3 via the Glencoe Pump Station (26E and 27E) located in East Palm Drive west of Live Oak Avenue.

The Zone contains two reservoirs (19 and 19A) of 0.212 MG and 0.012 MG, respectively.

Service Zone 21 (Englewild Drive)

This service zone covers about 15 acres along Englewild Canyon Drive north of Kregmont Reservoir.

The high water elevation is 1347 feet. The service elevations vary from 1180 feet at the southwest corner to 1280 feet at the north end.

The existing and ultimate average day demands are 10 GPM (16 AF/YR) and 12 GPM (19 AF/YR), respectively.

Service Zone 21 is supplied from the Zone 3 system via the Englewild Pump Station (47E ad 48E) which is located near the Englewild Drive Cul-de-Sac.

The Zone contains two reservoirs (21A and 21B) of 0.01 MG capacity each. The distribution system consists of a 6-inch diameter pipe between the Englewild Pump Station and the reservoirs.

Service Zone 28 (Bluebird)

This zone covers about 130 acres in northwest Glendora and 5 acres of unincorporated Los Angeles County area. It is located west of Glendora Mountain Road generally along Bluebird Road, Hollyhill Lane, Mountain Lane, Wick Lane and Lilac Lane.

The high water elevation is 1364 feet. The service elevations vary from 900 feet at the intersection of Valley Center and Bluebird Road to 1325 feet below the reservoirs along Bluebird Road. The General Plan land use is Rural Hillside Residential. The existing and ultimate average day demands are 50 GPM (80 AF/YR) and 60 GPM (97 AF/YR), respectively.

TELEMETRY

An updated computerized telemetry or SCADA system (GENESIS-32) was installed in 2002 to control and monitor the city's water system. All critical functions of the production system, excluding valve control, can be controlled from the central computer. These include well and pump control, reservoir level and data management tasks. The computer also monitors all functions of the system and stores data relative to those tasks. The functions monitored include well and pump run times/status, reservoir levels, and flow from all three TVMWD meters.

EMERGENCY RESPONSE PLAN TRAINING

All water utility staff must be aware of their duties and responsibilities in the event of an emergency. Training can include briefing sessions, classroom sessions, or mock exercises. Refresher training should be done on a regular basis. The ways in which the City of Glendora Public Works Water Division (City) plans to exercise this plan are presented below.

1. New employees will be given a copy of the Emergency Response Plan at the next scheduled safety meeting. Safety meetings are scheduled every two weeks. Their supervisor will explain the plan to them.
2. Updates to the plan will be presented and explained to all staff at the next scheduled safety meeting.
3. Each City vehicle has a copy of the Emergency Response Plan. In addition, two copies of the Emergency Response Plan can be found in the office at the Water Yard. One copy is located in the Water Superintendent's office and the other copy is located in the Water Engineering office.
4. Emergency Response Plan refresher training is conducted semi-annually and includes training on updates and new scenarios.
5. City staff also takes part in earthquake response and chlorine gas training.

Appendices

1. Consumer Alert During Water Outages or Periods of Low Pressure Notice
2. Unsafe Water Alert – Do Not Drink
3. Unsafe Water Alert – Do Not Use
4. Boil Water Order
5. Water Quality Emergency Notification Plan

City of Glendora

PUBLIC NOTICE

CONSUMER ALERT DURING WATER OUTAGES

OR PERIODS OF LOW PRESSURE

1. If you are experiencing water outages or low water pressure, immediately discontinue any non-essential water usage. This includes all outdoor irrigation and car washing. Minimizing usage will reduce the potential for the water system to lose pressure or completely run out of water. Please notify your water system of the outage or low pressure.

2. If the water looks cloudy or dirty, you should not drink it. Upon return of normal water service, you should flush the hot and cold water lines until the water appears clear and the water quality returns to normal.

3. If you are concerned about the water quality or are uncertain of its safety, you may add eight drops of household bleach to one gallon of water and let it sit for 30 minutes or alternatively, if you are able, water can be boiled for one minute at a rolling boil to ensure its safety.

4. Use of home treatment devices does not guarantee the water supply is safe after low pressure situations.

5. Do not be alarmed if you experience higher than normal chlorine concentrations in your water supply since the California Department of Health Services is advising public water utilities to increase chlorine residuals in areas subject to low pressure or outages.

6. The California Department of Health Services has also advised public water systems to increase the bacteriological water quality monitoring of the distribution system in areas subject to low pressure. They may be collecting samples in your area to confirm that the water remains safe. You will be advised if the sampling reveals a water quality problem.

7. Your water system is committed to make certain that an adequate quantity of clean, wholesome, and potable water is delivered to you. We recommend that you discuss the information in this notice with members of your family to ensure that all family members are prepared should water outages or low water pressure occur.

Date:

UNSAFE WATER ALERT

[Insert one-liner language other than Spanish here, otherwise delete.]

City of Glendora water is possibly contaminated With [an unknown substance]

DO NOT USE YOUR WATER

Failure to follow this advisory could result in illness.

An unknown substance has been added to the drinking water supplied by the City of Glendora due to a recent [intrusion; break-in] at [one of the wells; our treatment plant; storage tank; specific facility]. The California Department of Health Services, Los Angeles County Health Department, and City of Glendora Water System are advising residents of City of Glendora to NOT USE THE TAP WATER FOR DRINKING, COOKING, HAND WASHING, OR BATHING UNTIL FURTHER NOTICE.

What should I do?

- ***DO NOT USE YOUR TAP WATER---USE ONLY BOTTLED WATER.*** *Bottled water should be used for all drinking (including baby formula and juice), brushing teeth, washing dishes, making ice, food preparation and bathing* ***until further notice****.*

- ***DO NOT TRY AND TREAT THE WATER YOURSELF.*** *Boiling, freezing, filtering, adding chlorine or other disinfectants, or letting water stand will not make the water safe.*

OPTIONS

- Optional: Potable water is available at the following locations: [List locations]
  Please bring a clean water container (5 gallons maximum capacity).

We will inform you when tests show that the water is safe again. We expect to resolve the problem within [estimated time frame].

For more information call:
Water Utility contact: Scott Hopkins, Water Division Superintendent, (626) 914-8256, 116 E. Foothill Blvd. California Department of Health Services at: Hollywood District, Cortney Sorensen (213) 977-7395.
California Dept of Public Health: (213) 240-8117

This notice is being sent to you by City of Glendora. California Public Water System ID # 1910044. Date Distributed: [date].

Please share this information with all other people who receive this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand.

Date:

BOIL WATER ORDER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

BOIL YOUR WATER BEFORE USING

Failure to follow this advisory could result in stomach or intestinal illness.

Due to the recent event [e.g., water outage, power outage, flood, fire, earthquake or other emergency situation], the California Department of Health Services in conjunction with the **Los Angeles County** Health Department, and **City of Glendora Water System** are advising residents of **the City of Glendora** to use boiled tap water or bottled water for drinking and cooking purposes as a safety precaution.

DO NOT DRINK THE WATER WITHOUT BOILING IT FIRST. *Bring all water to a boil,* ***let it boil for one (1) minute,*** *and let it cool before using, or use bottled water. Boiled or bottled water should be used for drinking and food preparation* ***until further notice****. Boiling kills bacteria and other organisms in the water.*

Optional alternative to include for prolonged situations where it fits.

- An alternative method of purification for residents that do not have gas or electricity available is to use fresh liquid household bleach (Clorox®, Purex®, etc.). To do so, add 8 drops (or 1/4 teaspoon) of bleach per gallon of clear water or 16 drops (or 1/2 teaspoon) per gallon of cloudy water, mix thoroughly, and allow standing for 30 minutes before using. A chlorine-like taste and odor will result from this purification procedure and is an indication that adequate disinfection has taken place.
- Water purification tablets may also be used by following the manufacturer's instructions.
- Optional: Potable water is available at the following locations: [List locations]
  Please bring a clean water container (5 gallons maximum capacity).

We will inform you when tests show no bacteria and you no longer need to boil your water. We anticipate resolving the problem within [estimated time frame].

For more information call:
Water Utility contact: Scott Hopkins, Water Division Superintendent, (626) 914-8256 & 116 East Foothill Blvd., Glendora, CA. 91741
California Department of Public Health – Drinking Water Field Operations Branch- District Office at (213) 580-5723
Local Environmental Health Jurisdiction: Los Angeles County at (213) 240-8117

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

State of California—Health and Human Services Agency

Department of Health Services

WATER QUALITY EMERGENCY NOTIFICATION PLAN

California Department of Health Services

ARNOLD SCHWARZENEGGER
Governor

Name of Utility: City of Glendora Water Division

Physical Location/Address: 116 E. Foothill Blvd., Glendora CA 91741

The following persons have been designated to implement the plan upon notification by the State Department of Health Services that an imminent danger to the health of the water users exists:

Water Utility: Contact Name & Title	Email Address	Telephone Day	Telephone Evening	Telephone Cell
1. Steve Patton, Water Division Manager	spatton@ci.glendora.ca.us	(626) 914-8249	(909) 987-4240	(626) 786-1810
2. Scott Hopkins, Water Division Superintendent	rhopkins@ci.glendora.ca.us	(626) 914-8256	(626) 967-4238	(626) 512-2777
3. Dave Davies, Director Public Works	ddavies@ci.glendora.ca.us	(626) 914-8246	(909) 989-2438	(626) 523-2511

The implementation of the plan will be carried out with the following State and County Health Department personnel:

State & County Health Departments: Contact Name & Title	Telephone Day	Telephone Evening
1. **Joseph Crisologo, P.E., District Engineer** **California Department of Public Health**	**(213) 580-5743** **Fax (213) 580-5711**	**(562) 865-6140**
2. **Shu-Fang Orr, P.E., Associate Sanitary Engineer**	**(213) 580-3140**	**(323) 258-8688**
Oliver Pacifico, P.E., Associate Sanitary Engineer	**(213) 580-5785**	**(626) 284-6777**
Ric M. Roda, P.E., Associate Sanitary Engineer	**(213) 580-3124**	**(323) 256-5914**
David Chang, Sanitary Engineering Associate	**(213) 580-3171**	**(626) 286-8295**
Kun Cheng, Sanitary Engineer	**(213) 580-3187**	**(626) 282-3960**
Susanna Cohen, Sanitary Engineer	**(213) 580-5762**	**(310) 287-1853**
Cortney Sorensen, Sanitary Engineer	**(213) 977-7395**	**(310) 472-1959**
Nour Zaghi, Sanitary Engineer	**(213) 580-5735**	**(818) 761-3484**
California Department of Health Services		
3. **Richard Wagener, Acting Director**	**(626) 430-5280**	**(213) 974-1234**
Bureau of Environmental Protection	**(626) 430-5270**	
County Environmental Health Department	**Fax (626) 813-3006**	
Local Primacy Agency		
5050 Commerce Drive		
Baldwin Park, CA 91706-1423		

4. If the above personnel cannot be reached, contact:

Office of Emergency Services Warning Center (24 hrs) (800) 852-7550 or (916) 845-8911
When reporting a water quality emergency to the Warning Center, please ask for the California Department of Public Health – Drinking Water Program Duty Officer.

NOTIFICATION PLAN

Report prepared by:

_____ _____

PLAN I (Medium Community)

During regular working hours our people will contact the news media at television station KXYZ to broadcast the necessary warning. The local radio stations will also be contacted. The television and radio personnel are available at all hours. As a follow-up measure, we will also contact the Daily Bee, a local newspaper that serves both Ourtown and Hometown.

The warnings will be issued in both English and Spanish to cover all members of the community. Outlying areas of the water service area (such as Isolated Canyon and Lonesome Mountain subdivisions) will also be notified by sound truck and/or handbill distributed to their respective areas. Both of these areas are very small and this can be done quite quickly.

A special telephone answering service can also be quickly set up at the utility headquarters (using the regular company numbers) to answer questions that will come in from consumers. Questions are anticipated, especially from the Hometown area, because that area is served by three different water companies. A map will be available to the telephone answering personnel to determine the water company serving the caller.

It is anticipated that the time for notification to the television and radio audiences will be very short. The areas served by handbill and sound truck will also be notified within an hour. For notification to be issued in other than normal hours, the same media will be contacted and an announcement will be scheduled for as long as is necessary. A sound truck(s) will be used in the early morning hours to quickly alert the people not listening to their radio or television.

PLAN II (Small Community)

Our community is very small and the most efficient means of notification will be both sound truck and handbill. It is estimated that the entire service area can be covered in less than three hours.

PLAN III (Large Community)

The same plan as implemented in Plan I should be used here with the exceptions noted. All the news media will be contacted in the entire metropolitan area. This includes all television and radio stations and all local and general area newspapers. Maps have been prepared to be distributed to the media to locate the boundaries of the water company. This system is large enough that it may only be necessary to notify some of the water users. This information will be transmitted to the media and an answering service at the water company will respond to consumers' calls. Unless the problems are limited to isolated areas it is unreasonable to assume that contact can be made through sound truck or handbill.

EXAMPLE

APPENDIX L

CITY OF GLENDORA ORDINANCE 1585 & 1925

ORIGINAL

ORDINANCE NO. 1585

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF GLENDORA PERTAINING TO DROUGHT REGULATIONS AND WATER CONSERVATION STANDARDS

THE CITY COUNCIL OF THE CITY OF GLENDORA DOES ORDAIN AS FOLLOWS:

SECTION 1. Definitions

A. Consumer.

"Consumer" means a person or entity who uses water.

B. Account Holder.

"Account Holder" means the person or entity responsible for payment for water service at a particular property, as shown in the City's water billing records.

C. Appeals Board

"Appeals Board" means the Water Conservation Appeals Board consisting of the Public Works Director, the Finance Director or a designated representative, one member of the City Council, and such other persons, if any, as the City Council may appoint.

D. Car Washing Facility Equipped With Water Recycling Equipment

"Car Washing Facility Equipped With Water Recycling Equipment" means any full service or self-service, including coin operated, car wash that uses not more than twelve (12) gallons of fresh water per vehicle.

E. Director.

"Director" means the Director of the Department of Public Works or a designated representative.

F. Flow Restricter.

"Flow Restricter" means a device for reducing the flow of water through a meter.

G. Waste.

"Waste" means any excessive, unnecessary or unwarranted use of water, including but not limited to any use which causes unnecessary runoff beyond the boundaries of any property as served by its meter and any failure to repair as soon as reasonably possible any leak or rupture in any water pipes, faucets, valves, plumbing fixtures or other water service appliances. Waste shall also mean the use of running water through an exterior hose, pipe, or faucet not equipped with an automatic shut-off nozzle except that an exterior hose without a shut-off nozzle may be used to clean a piece of equipment if the end of the hose is firmly attached to the piece of equipment.

SECTION 2. Use of Water:

The use of all water obtained by or through the water distribution facilities of the City shall be governed and controlled by the provisions of this Ordinance.

SECTION 3. Prohibition Against Waste of Water

It shall be a violation of this Ordinance for any consumer or account holder to waste any water obtained from or through the water distribution facilities of the City.

SECTION 4. Access to Meters Inside Premises

Where a water meter is placed inside the premises of a consumer, provision shall be made for convenient meter reading and repairing by representatives of the City, for shutting off or turning on water service, and for installation or removal of flow restricters.

SECTION 5. Place of Use of Water

Except as otherwise provided in this Ordinance or as specifically authorized by the Director, water received from or through a water meter may be used only on and for the property served by that meter.

SECTION 6. Water Use Regulations During Drought Conditions

When the anticipated supply of water is less than the anticipated demand for water a drought condition exists. For the purpose of this ordinance a drought condition exists if the Metropolitan Water District Board of Directors so declares.

A. STAGE ONE DROUGHT CONDITION. Upon adoption by the City Council of a resolution declaring a Stage One Drought Condition and for as long as that condition exists, all water customers will be encouraged to reduce water consumption to a level at least 10% below the use level for that same billing period during the preceding year.

B. STAGE TWO DROUGHT CONDITION. Upon adoption by the City Council of a resolution declaring a Stage Two Drought Condition and for as long as that condition exists, the following water use regulations, and such other regulations as may be adopted by resolution of the City Council, shall apply to all use of water that is provided by or through the water distribution facilities of the City.

1. The use of running water from a hose, pipe, or faucet for the purpose of cleaning buildings and paved, tile, wood, plastic or other surfaces shall be prohibited, except in the event the Director determines that such use is the only feasible means of correcting a potential threat to health, sanitation or safety.

2. Every operator of a restaurant that provides table service shall post, in a conspicuous place, a Notice of Drought Condition as approved by the Director and shall refrain from serving, and from allowing to be served, water except upon specific request by a customer.

3. Every operator of a hotel, motel, or other commercial establishment offering lodgings shall post in each room a Notice of Drought Condition as approved by the Director.

4. Any use of water that causes runoff to occur beyond the immediate vicinity of use shall be prohibited.

5. The use of water for construction purposes, including but not limited to dust control, settling of backfill and flushing of plumbing lines, shall be prohibited in all cases, except where the Director has determined that such use is necessary for maintaining the public health, sanitation or safety.

6. Irrigation at any time from 9:00 a.m. to 5:00 p.m. of any yard, orchard, park, recreational area, or other area containing vegetation shall be prohibited, with the following exceptions:

a. The irrigation of trees and shrubs shall be allowed by any means and at any time of the day provided that:

(1) The irrigation shall be confined to the area within the drip line of the tree or shrub, except to the extent that roots extend beyond this area.

(2) There shall be no run-off as a result of the irrigation; and

(3) The irrigation of turf is incidental to permitted watering of trees and shrubs.

b. The irrigation of plant material within commercial nurseries shall be allowed at any time of the day provided that:

(1) The water is applied to only one plant or container of plants at a time; and

(2) The water is applied by means of a hose equipped with an automatic shut-off nozzle.

c. The irrigation of golf course greens shall be allowed by any means and at any time of the day for the purpose of germinating seed, promoting growth of sod, or leaching minerals from the soil.

7. The washing of boats and vehicles shall be prohibited, except at car washing facilities equipped with water recycling equipment or by use of a bucket and hose equipped with a self-closing valve that requires operator pressure to activate the flow of water.

C. STAGE THREE THROUGH SEVEN DROUGHT CONDITIONS. Upon adoption by the City Council of a resolution declaring Stage Three through Stage Seven Drought Conditions and for as long as that condition exists, the following water use regulations, and such other regulations as may be adopted by resolution of the City Council, shall apply to all use of water that is provided by or through the water distribution facilities of the City.

1. Each of the Stage Two water use regulations set forth in Subsections B.1 through B.5 of this Section shall be applicable.

2. The use of water through a meter that is restricted to irrigation uses shall be prohibited, and the city shall have the right to shut off water service to any such meter without notice to the customer, account holders or any other person.

3. The irrigation of any yard, orchard, park, recreational area, or other area containing vegetation shall be prohibited, except by means of a hand-held bucket.

4. The washing of boats and vehicles shall be prohibited, except at car washing facilities equipped with water recycling equipment or by use of a hand-held bucket.

D. EXEMPTIONS. Exemptions to the water use regulations set forth in this section may be granted by the Director for specific uses of water, on the basis of hardship or if necessary to protect public health, sanitation or safety and in accordance with such guidelines for exemptions as the City Council may adopt, upon written application of the affected account holder. A denial of a request for an exemption shall be made within five (5) calendar days after the application was received. The denial may be appealed to the Appeals Board by filing a written request with the City Clerk within ten (10) calendar days after written notice of the Director's decision was deposited in the U.S. mail addressed to the account holder at the address shown on the application.. The decision of the Appeals Board, which shall be rendered within five (5) calendar days after the request was received, shall be final.

SECTION 7. Violations

A. Any failure to comply with a provision of this Ordinance shall constitute a violation, regardless of whether the failure to comply is caused by an account holder, a consumer or any other person or entity.

B. Where the failure to comply is continuing and intentional, each successive hour of such failure to comply shall be a separate and distinct violation.

SECTION 8. Penalties and Charges

A. The following penalties shall apply to any violation of any provision of this Ordinance:

1. For the first violation within the preceding twelve (12) consecutive calendar months, the Director shall issue a written notice of the fact of such violation to the account holder.

2. For a second violation within the preceding twelve (12) consecutive calendar months, the Director shall impose a penalty against the account holder for the property where the violation occurred or is occurring, in an amount to be established by resolution of the City Council.

3. For a third violation within the preceding twelve (12) consecutive calendar months, the Director:

a. Shall impose a penalty against the account holder for the property where the violation occurred or is occurring, in an amount to be established by resolution of the City Council; and

b. May install a flow restricter on the service to the property where the violation occurred or is occurring, for a period to be determined by the Director.

4. For a fourth and any subsequent violation within the preceding twelve (12) consecutive calendar months, the Director:

a. Shall impose a penalty against the account holder for the property where the violation occurred or is occurring, in an amount to be established by resolution of the City Council; and

b. May install a flow restricter on, or shut off, the service to the property where the violation occurred or is occurring, for a period to be determined by the Director.

B. If a flow restricter is installed or water service shut off pursuant to Subsection A of this Section, prior to restoration of normal water service the account holder or property owner whose service is affected shall be required to reimburse the City for whatever cost it has incurred and will incur in installing and removing a flow restricter or in shutting off and turning on water service.

C. Any penalty imposed pursuant to this Section shall be added to the account of the account holder for the property where the violation occurred or is occurring and shall be due and payable on the same terms and subject to the same conditions as any other charge for regular water service. The maximum amount of penalties which an account holder may be required to pay during any twelve consecutive calendar month period shall be established by resolution of the City Council.

D. Nothing in this Ordinance shall limit or be construed to limit the right of an account holder to seek reimbursement of a penalty from a tenant or other consumer.

SECTION 9. Notice of Violation - Hearing

A. For each violation of this Ordinance, the Director shall give notice as follows:

1. By sending written notice through the U.S. mail to the account holder for the property where the violation occurred or is occurring, at the current billing address shown in the City's water billing records; and

2. By personally giving written notice thereof to the person who committed the violation or by leaving written notice with some person of suitable age and discretion at the property where the violation occurred or is occurring; or

3. If neither the person who committed the violation nor a person of suitable age and discretion can be found, then by affixing written notice in a conspicuous place on the property where the violation occurred or is occurring.

B. Any written notice given under this Section shall contain a statement of:

1. The date of the notice;

2. The time, place and nature of the violation;

3. The person(s) committing the violation, if known;

4. The provision(s) of this Ordinance violated;

5. The possible penalties for each violation;

6. The account holder's right to request a hearing on the violation and the time within which such a request must be made; and

7. The account holder's loss of the right to a hearing in the event the account holder fails to request a hearing within the time required.

C. Any account holder provided a notice of violation shall have the right to request a hearing. The request must be made in writing and must be received by the Director within ten (10) calendar days of the date of the notice of violation. Within ten (10) calendar days after the request is received, the Director shall conduct the hearing, at which both written and oral evidence may be presented, and shall decide whether a violation occurred and the appropriate penalty. In determining the appropriate penalty, the Director shall consider whether the account holder knew of the violation at the time it occurred and whether he or she took reasonable action to correct the violation upon notification of it. In addition, the Director shall exercise his or her discretion in accordance with such guidelines as the City Council may adopt by resolution. The Director shall give written notice of the decision in accordance with Subsection A1 of this Section.

1. For a first or second violation within a twelve (12) consecutive month period, the decision of the Director shall be final.

2. For a third or subsequent violation within a twelve (12) consecutive month period, the account holder shall have the right to appeal the decision of the Director by requesting a hearing before the Appeals Board. The request for hearing before the Board must be in writing and must be received by the Director not later than seven (7) calendar days after the date the decision of the

Director was deposited in the U.S. mail. Within fifteen (15) calendar days after the request is received, the Board shall conduct the hearing, at which both written and oral evidence may be presented, and shall affirm, reverse, or modify the decision of the Director. The decision of the Board shall be final. The Board shall give written notice of its decision in accordance with subsection A1 of this section.

D. If an account holder fails to request a hearing before the Director or the Appeals Board within the applicable period provided in this Section, the action of the Director stated in the notice of violation shall be deemed final.

E. There shall be no surcharge added to the account of the account holder and no installation of a flow restricter or shut off of water service until the notice of violation has become final or there is a final decision of the Director or the Board ordering the penalty and installation of a flow restricter or shut-off of water service.

SECTION 10. Water Conservation Standards

A. Plumbing Standards For Water Conservation

Plumbing standards for water conservation shall be as contained in the Uniform Plumbing Code as adopted and amended by the City of Glendora in Chapter 19.08 of the Glendora Municipal Code.

B. Water Conservation Landscape Design Standards

Each development proposal that is subject to review by the Department of Planning and Redevelopment, Project Review Board or Planning Commission shall be required to install drought resistant landscaping in compliance with the conditions imposed through the review process. Each development proposal not subject to such review shall comply with such other water conservation landscape requirements as may be adopted by the Department of Planning and Redevelopment.

SECTION 11. If any section, subsection, sentence, clause, phrase, part or portion of this Ordinance is for any reason held to be invalid or unconstitutional by any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Ordinance. The City Council declares that it would have adopted this Ordinance and each section, subsection, sentence, clause, phrase, part or portion thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses, phrases, parts or portions be declared invalid or unconstitutional.

SECTION 12. The Mayor shall sign and the City Clerk shall certify to the passage and adoption of this ordinance and shall cuase the same to be published in the manner prescribed by law.

PASSED AND APPROVED this 23rd day of April, 1991.

CITY OF GLENDORA

BY: Larry R. Glenn
Mayor

ATTEST:

City Clerk

APPROVED AS TO FORM:

City Attorney

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss.
CITY OF GLENDORA)

I, **Culver Heaton, Jr.**, City Clerk of the City of Glendora, do hereby certify that the foregoing is a true and correct copy of Ordinance No. **1585**, which was regularly introduced and placed upon its first reading at a Regular Meeting of the City Council on the **9th** day of **April**, 19**91**. That, thereafter, said Ordinance was duly adopted and passed at a Regular Meeting of the City Council on the **23rd** day of **April**, 19**91**, by the following vote to-wit:

AYES: **Glenn, MacLeod, Kuhn, Bodley, Mouw**

NOES: **None**

ABSENT: **None**

I do further certify that I caused said Ordinance to be published prior to the expiration of fifteen days from the passage thereof in the Glendora Press, a weekly newspaper of general circulation, published and circulated in the City of Glendora, on the **2nd** day of **May**, 19**91**, and that same was published in accordance with law.

DATED: **April 30, 1991**

City Clerk of the
City of Glendora, California

ORDINANCE NO. 1925

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF GLENDORA, CALIFORNIA AMENDING SECTION 14.34.070 OF THE MUNICIPAL CODE WITH RESPECT TO MANDATORY CONSERVATION MEASURES

THE CITY COUNCIL
CITY OF GLENDORA, CALIFORNIA

WHEREAS, the City of Glendora is a general law City;

WHEREAS, the City Council of the City of Glendora is desirous of establishing water conservation standards to ensure that the City is able to serve the basic health and safety needs for all water customers serviced by the City of Glendora

NOW, THEREFORE THE CITY COUNCIL OF THE CITY OF GLENDORA DOES ORDAIN AS FOLLOWS:

SECTION 1. Section 14.34.070 of the Glendora Municipal Code is hereby amended to read as follows:

14.34.070 Stage One Drought Condition

A. A Stage One Drought Condition may be implemented by the City Council when one or more of the following conditions exists:

1. Imported water is needed to meet 40% of the City's water system demand for the current or next fiscal year.

2. The City's water well production for the current fiscal year is reduced by 25% below the production level for the same period of the preceding year.

3. Upon recommendation by the Water Commission that a water shortage exists, such as when the projected supply and demand for water reduces storage capacities and/or a reduction in the City's ability to purchase water.

B. Prior to implementation of a stage one drought condition plan as provided in this chapter, the City Council shall hold a public hearing for the purposes of determining whether a the need for implementing a stage one drought condition exists. Notice of the time and place of said public hearing shall be published not less than 10 days before the hearing in a newspaper of general circulation within the City. The City Council may, upon finding that the need for implementing a stage one drought condition exists, order implementation of a stage one drought condition plan as provided in this chapter. Said order shall be made by Resolution of the City Council and shall be published one time only in a daily newspaper of general circulation and shall become effective immediately upon such publication. The provisions of this Section shall take effect with the first full billing period commencing on or after the effective date of the City Council's Resolution. At any time during the stage one drought condition period, the City Council may discontinue any plan or may implement another plan as provided in this chapter.

Upon a finding by the City Council that a stage one drought condition no longer exists, the stage one drought condition then in effect shall terminate.

C. Upon adoption by the City Council of a Resolution declaring a Stage One Drought Condition and for as long as that condition exists, the following water use regulations, and such other regulations as may be adopted by Resolution of the City Council, shall apply to all use of water that is provided by or through the water distribution facilities of the City:

1. Each of the Voluntary Conservation Drought Condition regulations shall be applicable as long as they are not in conflict with the more restrictive regulations of the Stage One Drought Condition.

2. The use of continuous running water from a hose, pipe, or faucet for the purpose of cleaning buildings and paved, tile, wood, plastic or other surfaces shall be prohibited, except in the event the Director determines that such use is the only feasible means of correcting a potential threat to health, sanitation or safety.

3. Every operator of a restaurant providing table service shall offer water only upon request and post table signs notifying its customers of drought conditions and that water is available upon request.

4. Every operator of a hotel, motel, or other commercial establishment offering lodgings shall institute daily washing of towels and linens only upon request and shall post signs in each room notifying customers of the drought condition.

5. Any use of water that causes runoff to occur beyond the immediate vicinity of use shall be prohibited.

6. Watering shall be prohibited from 8:00 a.m. to 5:00 p.m. of any yard, orchard, park, golf course, recreational area, or other area containing vegetation with the following exceptions:

a. The irrigation of trees and shrubs shall be allowed by any means and at any time of the day provided that:

(1) The irrigation shall be confined to the area within the drip line of a tree or shrub.

(2) There shall be no run-off as a result of the irrigation

(3) That the irrigation shall not exceed 5 minutes to each tree or shrub during any 24-hour period.

b. The irrigation of plant material within commercial nurseries shall be allowed at any time of the day provided that:

(1) The water is applied only to one plant or container of plants at a time; and

(2) The water is applied by means of a hose equipped with an automatic shut-off nozzle.

c. The irrigation of golf course greens and City parks shall be allowed by any means and at any time of the day for the purpose of germinating seed, promoting growth of sod, or leaching minerals from the soil for new growth purposes only.

7. When a Stage One Drought Condition is declared, all Consumers shall reduce their water consumption by at least 10% below their average consumption for the same period of the previous year, or the year prior to the Stage One Drought Condition being declared.

D. The Director or his/her designee is authorized to turn off the water of any property that fails to make corrective changes to any broken water system, sprinkler, etc., within 24 hours of being notified by the City by posting in a conspicuous location on the property.

14.34.070 Stage Two Drought Condition

A. A Stage Two Drought Condition may be implemented by the City Council when any of the following conditions exist:

1. City well production losses and Metropolitan Water District purchased water restrictions threaten the City's ability to meet system demand.

2. Imported water is needed to meet 60% of the system demand.

3. Upon recommendation by the Water Commission that a water shortage exists when the projected supply and demand for water reduces storage capacities and/or the ability to purchase water.

B. Prior to implementation of a Stage Two Drought Condition as provided in this chapter, the City Council shall hold a public hearing for the purposes of determining whether a need to implement a Stage Two Drought Condition exists. Notice of the time and place of said public hearing shall be published not less than 10 days before the hearing in a newspaper of general circulation within the City. The City Council may, upon finding that a need to implement a Stage Two Drought Condition exists, order implementation of a Stage Two Drought Condition as provided in this chapter, or other measures which it deems appropriate to address the water shortage. Said order shall be made by Resolution and shall be published one time only in a daily newspaper of general circulation and shall become effective immediately upon such publication. The provisions of this Section shall take effect with the first full billing period commencing on or after the effective date of the City Council's Resolution. At any time during the Stage Two Drought Condition period, the City Council may discontinue the Stage Two Drought Condition or may implement another plan as provided in this chapter. Upon a finding by the City Council that a Stage Two Drought Condition no longer exists, the Stage Two Drought Condition then in effect shall terminate.

C. Upon adoption by the City Council of a Resolution declaring a Stage Two Drought Condition and for as long as that condition exists, the following water use regulations, and such other regulations as may be adopted by Resolution of the City Council, shall apply to all use of water that is provided by or through the water distribution facilities of the City.

1. Each of the Stage One Drought Condition regulations shall be applicable as long as they are not in conflict with any more restrictive regulations of the Stage Two Drought Condition.

2. With the exception of Subsection 3 below, the use of water through a meter that is used solely for irrigation purposes shall be prohibited, and the City shall have the right to shut off water service to any such meter without notice to the Customer, Account Holders or any other person.

3. The watering of any yard, orchard, hillside, park, golf course, recreational area, or other area containing vegetation shall be limited to Monday, Wednesday and Friday for all even address locations shall be limited to Tuesday, Thursday and Saturday for all odd address locations. Such watering times shall be limited to no more than 5 minutes for each water cycle station and done only between the hours of 5:00 p.m. and 8:00 a.m.

4. The private washing of all recreational vehicles and other vehicles shall be prohibited, except by use of a bucket and hose equipped with a self-closing valve that requires operator pressure to activate the flow of water.

5. The Director is authorized to discontinue the supply of water to third party water purveyors during a Stage Two Drought Condition.

6. When a Stage Two Drought Condition is declared, all Consumers shall reduce their water consumption by at least 15% below their average consumption for the same period of the previous year, or the year prior to the Stage Two Drought Condition being declared.

SECTION 2. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance is for any reason held to be invalid or unenforceable by a court of competent jurisdiction, the remaining portions of this Ordinance shall nonetheless remain in full force and effect. The people of the City of Glendora hereby declare that they would have adopted each section, subsection, sentence, clause, phrase, or portion of this Ordinance, irrespective of the fact that any one or more sections, subsections, sentences, clauses, phrases, or portions of this Ordinance by declared invalid or unenforceable.

SECTION 3. The Mayor shall sign this ordinance and the City Clerk shall attest and certify to the passage and adoption thereof and cause same to be published at least once in the Glendora Press, a weekly newspaper of general circulation, published in the City of Glendora, which newspaper is hereby designated for that purpose; and thereupon, and thirty (30) days after its passage, this ordinance shall take effect and be in force.

PASSED, APPROVED and **ADOPTED** this 25th day of August, 2009.

City Council of Glendora, California

BY: Karen K. Davis

KAREN K. DAVIS, Mayor

APPROVED AS TO FORM:

WAYNE LEECH, City Attorney

I, Kathleen R. Sessman, City Clerk of the City of Glendora, California, DO HEREBY CERTIFY that the foregoing Ordinance was introduced for first reading on August 11, 2009 by the following roll call vote:

AYES:	COUNCIL MEMBERS:	Clifford, Murabito, Herman and Davis.
NOES:	COUNCIL MEMBERS:	None.
ABSENT:	COUNCIL MEMBERS:	Tessitor.
ABSTAIN:	COUNCIL MEMBERS:	None.

Thereafter, said Ordinance was duly approved and adopted at a Regular Meeting of the City Council on August 25, 2009, by the following roll call vote:

AYES:	COUNCIL MEMBERS:	Clifford, Murabito, Tessitor Herman and Davis.
NOES:	COUNCIL MEMBERS:	None.
ABSENT:	COUNCIL MEMBERS:	None.
ABSTAIN:	COUNCIL MEMBERS:	None.

I further certify that said Ordinance was published as required by law in a newspaper of general circulation in the City of Glendora, California on the 3rd day of September, 2009.

Dated: August 26, 2009

KATHLEEN R. SESSMAN, City Clerk

ORDINANCE NO. 1925

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF GLENDORA, CALIFORNIA AMENDING SECTION 14.34.070 OF THE MUNICIPAL CODE WITH RESPECT TO MANDATORY CONSERVATION MEASURES

THE CITY COUNCIL
CITY OF GLENDORA, CALIFORNIA

WHEREAS, the City of Glendora is a general law City;

WHEREAS, the City Council of the City of Glendora is desirous of establishing water conservation standards to ensure that the City is able to serve the basic health and safety needs for all water customers serviced by the City of Glendora

NOW, THEREFORE THE CITY COUNCIL OF THE CITY OF GLENDORA DOES ORDAIN AS FOLLOWS:

SECTION 1. Section 14.34.070 of the Glendora Municipal Code is hereby amended to read as follows:

14.34.070 Stage One Drought Condition

A. A Stage One Drought Condition may be implemented by the City Council when one or more of the following conditions exists:

1. Imported water is needed to meet 40% of the City's water system demand for the current or next fiscal year.

2. The City's water well production for the current fiscal year is reduced by 25% below the production level for the same period of the preceding year.

3. Upon recommendation by the Water Commission that a water shortage exists, such as when the projected supply and demand for water reduces storage capacities and/or a reduction in the City's ability to purchase water.

B. Prior to implementation of a stage one drought condition plan as provided in this chapter, the City Council shall hold a public hearing for the purposes of determining whether a the need for implementing a stage one drought condition exists. Notice of the time and place of said public hearing shall be published not less than 10 days before the hearing in a newspaper of general circulation within the City. The City Council may, upon finding that the need for implementing a stage one drought condition exists, order implementation of a stage one drought condition plan as provided in this chapter. Said order shall be made by Resolution of the City Council and shall be published one time only in a daily newspaper of general circulation and shall become effective immediately upon such publication. The provisions of this Section shall take effect with the first full billing period commencing on or after the effective date of the City Council's Resolution. At any time during the stage one drought condition period, the City Council may discontinue any plan or may implement another plan as provided in this chapter.

Upon a finding by the City Council that a stage one drought condition no longer exists, the stage one drought condition then in effect shall terminate.

C. Upon adoption by the City Council of a Resolution declaring a Stage One Drought Condition and for as long as that condition exists, the following water use regulations, and such other regulations as may be adopted by Resolution of the City Council, shall apply to all use of water that is provided by or through the water distribution facilities of the City:

1. Each of the Voluntary Conservation Drought Condition regulations shall be applicable as long as they are not in conflict with the more restrictive regulations of the Stage One Drought Condition.

2. The use of continuous running water from a hose, pipe, or faucet for the purpose of cleaning buildings and paved, tile, wood, plastic or other surfaces shall be prohibited, except in the event the Director determines that such use is the only feasible means of correcting a potential threat to health, sanitation or safety.

3. Every operator of a restaurant providing table service shall offer water only upon request and post table signs notifying its customers of drought conditions and that water is available upon request.

4. Every operator of a hotel, motel, or other commercial establishment offering lodgings shall institute daily washing of towels and linens only upon request and shall post signs in each room notifying customers of the drought condition.

5. Any use of water that causes runoff to occur beyond the immediate vicinity of use shall be prohibited.

6. Watering shall be prohibited from 8:00 a.m. to 5:00 p.m. of any yard, orchard, park, golf course, recreational area, or other area containing vegetation with the following exceptions:

a. The irrigation of trees and shrubs shall be allowed by any means and at any time of the day provided that:

(1) The irrigation shall be confined to the area within the drip line of a tree or shrub.

(2) There shall be no run-off as a result of the irrigation

(3) That the irrigation shall not exceed 5 minutes to each tree or shrub during any 24-hour period.

b. The irrigation of plant material within commercial nurseries shall be allowed at any time of the day provided that:

(1) The water is applied only to one plant or container of plants at a time; and

(2) The water is applied by means of a hose equipped with an automatic shut-off nozzle.

c. The irrigation of golf course greens and City parks shall be allowed by any means and at any time of the day for the purpose of germinating seed, promoting growth of sod, or leaching minerals from the soil for new growth purposes only.

7. When a Stage One Drought Condition is declared, all Consumers shall reduce their water consumption by at least 10% below their average consumption for the same period of the previous year, or the year prior to the Stage One Drought Condition being declared.

D. The Director or his/her designee is authorized to turn off the water of any property that fails to make corrective changes to any broken water system, sprinkler, etc., within 24 hours of being notified by the City by posting in a conspicuous location on the property.

14.34.070 Stage Two Drought Condition

A. A Stage Two Drought Condition may be implemented by the City Council when any of the following conditions exist:

1. City well production losses and Metropolitan Water District purchased water restrictions threaten the City's ability to meet system demand.

2. Imported water is needed to meet 60% of the system demand.

3. Upon recommendation by the Water Commission that a water shortage exists when the projected supply and demand for water reduces storage capacities and/or the ability to purchase water.

B. Prior to implementation of a Stage Two Drought Condition as provided in this chapter, the City Council shall hold a public hearing for the purposes of determining whether a need to implement a Stage Two Drought Condition exists. Notice of the time and place of said public hearing shall be published not less than 10 days before the hearing in a newspaper of general circulation within the City. The City Council may, upon finding that a need to implement a Stage Two Drought Condition exists, order implementation of a Stage Two Drought Condition as provided in this chapter, or other measures which it deems appropriate to address the water shortage. Said order shall be made by Resolution and shall be published one time only in a daily newspaper of general circulation and shall become effective immediately upon such publication. The provisions of this Section shall take effect with the first full billing period commencing on or after the effective date of the City Council's Resolution. At any time during the Stage Two Drought Condition period, the City Council may discontinue the Stage Two Drought Condition or may implement another plan as provided in this chapter. Upon a finding by the City Council that a Stage Two Drought Condition no longer exists, the Stage Two Drought Condition then in effect shall terminate.

C. Upon adoption by the City Council of a Resolution declaring a Stage Two Drought Condition and for as long as that condition exists, the following water use regulations, and such other regulations as may be adopted by Resolution of the City Council, shall apply to all use of water that is provided by or through the water distribution facilities of the City.

1. Each of the Stage One Drought Condition regulations shall be applicable as long as they are not in conflict with any more restrictive regulations of the Stage Two Drought Condition.

2. With the exception of Subsection 3 below, the use of water through a meter that is used solely for irrigation purposes shall be prohibited, and the City shall have the right to shut off water service to any such meter without notice to the Customer, Account Holders or any other person.

3. The watering of any yard, orchard, hillside, park, golf course, recreational area, or other area containing vegetation shall be limited to Monday, Wednesday and Friday for all even address locations shall be limited to Tuesday, Thursday and Saturday for all odd address locations. Such watering times shall be limited to no more than 5 minutes for each water cycle station and done only between the hours of 5:00 p.m. and 8:00 a.m.

4. The private washing of all recreational vehicles and other vehicles shall be prohibited, except by use of a bucket and hose equipped with a self-closing valve that requires operator pressure to activate the flow of water.

5. The Director is authorized to discontinue the supply of water to third party water purveyors during a Stage Two Drought Condition.

6. When a Stage Two Drought Condition is declared, all Consumers shall reduce their water consumption by at least 15% below their average consumption for the same period of the previous year, or the year prior to the Stage Two Drought Condition being declared.

SECTION 2. If any section, subsection, sentence, clause, phrase, or portion of this Ordinance is for any reason held to be invalid or unenforceable by a court of competent jurisdiction, the remaining portions of this Ordinance shall nonetheless remain in full force and effect. The people of the City of Glendora hereby declare that they would have adopted each section, subsection, sentence, clause, phrase, or portion of this Ordinance, irrespective of the fact that any one or more sections, subsections, sentences, clauses, phrases, or portions of this Ordinance by declared invalid or unenforceable.

SECTION 3. The Mayor shall sign this ordinance and the City Clerk shall attest and certify to the passage and adoption thereof and cause same to be published at least once in the Glendora Press, a weekly newspaper of general circulation, published in the City of Glendora, which newspaper is hereby designated for that purpose; and thereupon, and thirty (30) days after its passage, this ordinance shall take effect and be in force.

PASSED, APPROVED and **ADOPTED** this 25th day of August, 2009.

City Council of Glendora, California

BY: Karen K. Davis

KAREN K. DAVIS, Mayor

APPROVED AS TO FORM:

WAYNE LEECH, City Attorney

I, Kathleen R. Sessman, City Clerk of the City of Glendora, California, DO HEREBY CERTIFY that the foregoing Ordinance was introduced for first reading on August 11, 2009 by the following roll call vote:

AYES:	COUNCIL MEMBERS:	Clifford, Murabito, Herman and Davis.
NOES:	COUNCIL MEMBERS:	None.
ABSENT:	COUNCIL MEMBERS:	Tessitor.
ABSTAIN:	COUNCIL MEMBERS:	None.

Thereafter, said Ordinance was duly approved and adopted at a Regular Meeting of the City Council on August 25, 2009, by the following roll call vote:

AYES:	COUNCIL MEMBERS:	Clifford, Murabito, Tessitor Herman and Davis.
NOES:	COUNCIL MEMBERS:	None.
ABSENT:	COUNCIL MEMBERS:	None.
ABSTAIN:	COUNCIL MEMBERS:	None.

I further certify that said Ordinance was published as required by law in a newspaper of general circulation in the City of Glendora, California on the 3rd day of September, 2009.

Dated: August 26, 2009

KATHLEEN R. SESSMAN, City Clerk

APPENDIX M

CITY OF GLENDORA WATER RATE STRUCTURE

August 28, 2009

*Customer Name
*Billing Address
*Billing City, State, Zip

*Account Number/Customer Number

Dear *Customer Name*:

Notice is hereby given that on October 13, 2009, at 7:00 pm, in the City Council Chambers located at 116 E. Foothill Blvd., Glendora, CA 91741 the City Council of the City of Glendora will hold a public hearing in compliance with Proposition 218 regarding the ratification and adoption of an increase to the City's water service rates. In accordance with Proposition 218, you may protest this proposed increase either in person at the Public Hearing or in writing, Attention: City Clerk/Water Rates, City of Glendora, 116 E. Foothill Blvd., Glendora, CA 91741.

The City charges these rates to recover the costs of providing water services to its water customers. The rate structure allocates to each customer their proportionate share of the cost of providing service.

The actual amount charged to each customer is composed of two parts: a fixed portion; and a portion based on volume of water consumed by the customer. The fixed portion of the charge varies based upon the size of the customer's water meter. The charge per unit of water consumed varies based upon the customer's location - reflecting the higher energy cost of additional pumping to maintain water pressure for those customers in higher elevations. Each customer is allocated a "baseline" number of units which are billed at a lower rate than units consumed in excess of the baseline allocation.

The proposed rate structure is shown below:

Your Meter Size and Zone : *specific data*

QUANTITY WATER RATES				
Zone	1	2	3	4 and +
Purchase Water Base (a)	$0.62	$0.62	$0.62	$0.62
Energy Base (b)	$0.22	$0.33	$0.45	$1.11
Uniform Baseline Allocation (c)	$0.66	$0.66	$0.66	$0.66
Uniform Discretionary Use (d)	$1.11	$1.11	$1.11	$1.11
Quantity Rate, Baseline Allocation (a+b+c)	$1.50	$1.61	$1.73	$2.39
Quantity Rate, Discretionary use (a+b+d)	$1.95	$2.06	$2.18	$2.84

Meter Size	Readiness - to-Serve Charge	Bi-monthly Baseline allocation, Units
< 1 inch	$ 56.73	45
1 inch	$ 73.75	82
1-1/2 inch	$ 122.47	170
2 inch	$175.86	250
3 inch	$260.96	2,000
4 inch	$397.14	2,500
6 inch	$692.16	4,000
8 inch	$975.82	4,500

- Each unit of water consumption is equal to 748 gallons.
- Over 86% of water customers have a meter size of 1 inch or less

The City is proposing to implement an automatic adjustment of third-party costs incurred by the City's water operations for energy and purchased water in the rates set forth above. These rate adjustments, which will occur each September 1, beginning in 2010, are designed to account for changes in the City's costs of providing service. The purchased water component of the quantity rate will be adjusted proportionate to the change in the cost of 3,000 acre feet of water if purchased by the City from Three Valley's Municipal Water District at the District's published rates applicable to the City.

The energy component of the quantity rate will be adjusted proportionate to the change in the sum of the published rate for a kilowatt hour of electricity provided to the City by Azusa Power and the tariffed rate for a kilowatt hour of electricity provided to the City by Southern California Edison.

The baseline allocation and discretionary use components of the quantity rate and the readiness-to-serve charge will each be annually adjusted proportionate to the change in the consumer price index for all urban consumers for Los Angeles-Anaheim-Riverside published by the US Department of Labor, but not to exceed 5% for each year hereafter. If the water customers do not object to these annual consumer price index adjustments through this process then they will be implemented annually beginning in 2010 (based on published information current as of June 1 of that year and compared to an index base of June 1, 2009) without the need for further annual action by the Council or notice pursuant to Proposition 218. Subsequent to approving the rates set forth in this notice (including the adjustment described above), any action by the City to implement the rate at any year at a rate not higher than that set forth in this notice shall not constitute an increase of the rate for purposes of Proposition 218.

Should you have any questions regarding this meeting, please contact Judy Kenyon at (626) 852-4838 or Steve Patton at (626) 914-8249.

Sincerely,

David A. Davies
Director of Public Works

Information Regarding Proposition 218

When setting its water charges, the City of Glendora follows the procedures set out in Article XIIID, Section 6 of the California Constitution. Article XIIID was added to the Constitution by the state electorate when it approved Proposition 218 in 1996.

The City follows the following standards:

- Water charge revenues do not exceed the funds required to provide water service.
- Water charge revenues are not to be used for any purpose other than providing water service.
- The amount of water charges imposed upon any parcel or person as an incident of property ownership do not exceed the proportional cost of water service attributable to the parcel.
- No water charge is imposed unless water service is actually used by, or immediately available to, the owner of the property in question.
- The water charge is not imposed to fund general governmental services (such as police, fire, ambulance or library services) that are available to the public at large in substantially the same manner as to property owners.

The Glendora City Council will hold a formal public hearing on October 13, 2009 at 7:00 pm in the City Council Chambers at City Hall, 116 East Foothill Boulevard, Glendora, California. Anyone who wishes to speak to the City Council at the hearing or provide written testimony to the City Council is welcome to do so.

The City mails a notice of the public hearing to the record owners of every parcel that will be affected by the proposed increase, as well as to each of the City's water customers. By Council policy, the notice includes the following information:

- The amount of the proposed water charge
- The basis upon which the amount was calculated
- The reason for the charge
- The date, time and location of the public hearing on the proposed charge
- Information about protest rights

Any person who owns a parcel subject to water charges or is otherwise subject to such charges may submit a written protest to the City Council objecting to the proposed charges. The written protest should identify the parcel or service location for which it has been submitted, and must be received by the City Clerk prior to the close of the public input portion of the public hearing on the charges.

If the City Council receives written protests with respect to a majority of the parcels subject to a proposed charge increase, then it will not impose the increase. Otherwise, once it has heard all testimony, the City Council may move forward with adopting the proposed increase.

APPENDIX N

COMPLETED URBAN WATER MANAGEMENT PLAN CHECKLIST

Table I-2 Urban Water Management Plan checklist, organized by subject

No.	UWMP requirement [a]	Calif. Water Code reference	Additional clarification	UWMP location
PLAN PREPARATION				
4	Coordinate the preparation of its plan with other appropriate agencies in the area, including other water suppliers that share a common source, water management agencies, and relevant public agencies, to the extent practicable.	10620(d)(2)		Chap 1.2.1; p 1-2, 1-3; Table 1; Appendix C
6	Notify, at least 60 days prior to the public hearing on the plan required by Section 10642, any city or county within which the supplier provides water that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan. Any city or county receiving the notice may be consulted and provide comments.	10621(b)		Chap 1.2.2; p 1-3; Appendix D
7	Provide supporting documentation that the UWMP or any amendments to, or changes in, have been adopted as described in Section 10640 et seq.	10621(c)		Chap 1.3.1, 1.3.2; p 1-5; Appendix E
54	Provide supporting documentation that the urban water management plan has been or will be provided to any city or county within which it provides water, no later than 60 days after the submission of this urban water management plan.	10635(b)		Chap 1.2.3; p 1-3
55	Provide supporting documentation that the water supplier has encouraged active involvement of diverse social, cultural, and economic elements of the population within the service area prior to and during the preparation of the plan.	10642		Chap 1.2.4; p 1-4, p 1-5
56	Provide supporting documentation that the urban water supplier made the plan available for public inspection and held a public hearing about the plan. For public agencies, the hearing notice is to be provided pursuant to Section 6066 of the Government Code. The water supplier is to provide the time and place of the hearing to any city or county within which the supplier provides water. Privately-owned water suppliers shall provide an equivalent notice within its service area.	10642		Chap 1.2.4; p 1-4, p 1-5; Appendix D
57	Provide supporting documentation that the plan has been adopted as prepared or modified.	10642		Chap 1.3.2; p 1-5; Appendix E
58	Provide supporting documentation as to how the water supplier plans to implement its plan.	10643		Chap 1.3.3; p 1-5, 1-6

No.	UWMP requirement [a]	Calif. Water Code reference	Additional clarification	UWMP location
59	Provide supporting documentation that, in addition to submittal to DWR, the urban water supplier has submitted this UWMP to the California State Library and any city or county within which the supplier provides water supplies a copy of its plan no later than 30 days after adoption. This also includes amendments or changes.	10644(a)		Chap 1.3.4; p 1-6
60	Provide supporting documentation that, not later than 30 days after filing a copy of its plan with the department, the urban water supplier has or will make the plan available for public review during normal business hours	10645		Chap 1.3.5; p 1-6
SYSTEM DESCRIPTION				
8	Describe the water supplier service area.	10631(a)		Chap 2.2.1; p 2-3, p 2-4
9	Describe the climate and other demographic factors of the service area of the supplier	10631(a)		Chap 2.2.2, 2.3.2; p 2-4, 2-5; Tables 2, 3
10	Indicate the current population of the service area	10631(a)	Provide the most recent population data possible. Use the method described in "Baseline Daily Per Capita Water Use." See Section M.	Chap 2.3.1; p 2-4; Table 4
11	Provide population projections for 2015, 2020, 2025, and 2030, based on data from State, regional, or local service area population projections.	10631(a)	2035 and 2040 can also be provided to support consistency with Water Supply Assessments and Written Verification of Water Supply documents.	Chap 2.3.1; p 2-4; Table 4
12	Describe other demographic factors affecting the supplier's water management planning.	10631(a)		Chap 2.3.2; p 2-5
SYSTEM DEMANDS				
1	Provide baseline daily per capita water use, urban water use target, interim urban water use target, and compliance daily per capita water use, along with the bases for determining those estimates, including references to supporting data.	10608.20(e)		Chap 3.2; p 3-2 – 3-9; Table 8

No.	UWMP requirement [a]	Calif. Water Code reference	Additional clarification	UWMP location
2	*Wholesalers:* Include an assessment of present and proposed future measures, programs, and policies to help achieve the water use reductions. *Retailers:* Conduct at least one public hearing that includes general discussion of the urban retail water supplier's implementation plan for complying with the Water Conservation Bill of 2009.	10608.36 10608.26(a)	Retailers and wholesalers have slightly different requirements	Chap 3.4; p 3-10; Appendix D
3	Report progress in meeting urban water use targets using the standardized form.	10608.40		Chap 3.5; p 3-10
25	Quantify past, current, and projected water use, identifying the uses among water use sectors, for the following: (A) single-family residential, (B) multifamily, (C) commercial, (D) industrial, (E) institutional and governmental, (F) landscape, (G) sales to other agencies, (H) saline water intrusion barriers, groundwater recharge, conjunctive use, and (I) agriculture.	10631(e)(1)	Consider 'past' to be 2005, present to be 2010, and projected to be 2015, 2020, 2025, and 2030. Provide numbers for each category for each of these years.	Chap 3.1.1; p 3-1, 3-2; Tables 5, 6, 7
33	Provide documentation that either the retail agency provided the wholesale agency with water use projections for at least 20 years, if the UWMP agency is a retail agency, OR, if a wholesale agency, it provided its urban retail customers with future planned and existing water source available to it from the wholesale agency during the required water-year types	10631(k)	Average year, single dry year, multiple dry years for 2015, 2020, 2025, and 2030.	Chap 3.3; p 3-9, p 3-10; Table 6
34	Include projected water use for single-family and multifamily residential housing needed for lower income households, as identified in the housing element of any city, county, or city and county in the service area of the supplier.	10631.1(a)		Chap 3.1.2; p 3-2;
SYSTEM SUPPLIES				
13	Identify and quantify the existing and planned sources of water available for 2015, 2020, 2025, and 2030.	10631(b)	The 'existing' water sources should be for the same year as the "current population" in line 10. 2035 and 2040 can also be provided.	Chap 4.1; p 4-1, 4-2; Table 8
14	Indicate whether groundwater is an existing or planned source of water available to the supplier. If yes, then complete 15 through 21 of the UWMP Checklist. If no, then indicate "not applicable" in lines 15 through 21 under the UWMP location column.	10631(b)	Source classifications are: surface water, groundwater, recycled water, storm water, desalinated sea water, desalinated brackish groundwater, and other.	Chap 4.2; p 4-2

No.	UWMP requirement [a]	Calif. Water Code reference	Additional clarification	UWMP location
15	Indicate whether a groundwater management plan been adopted by the water supplier or if there is any other specific authorization for groundwater management. Include a copy of the plan or authorization.	10631(b)(1)		Chap 4.2.1; p 4-3 – 4-9
16	Describe the groundwater basin.	10631(b)(2)		Chap 4.2.2; p 4-11 – 4-17
17	Indicate whether the groundwater basin is adjudicated? Include a copy of the court order or decree.	10631(b)(2)		Chap 4.2.1.1, 4.2.1.2; p 4-3 – 4-7; Appendices F, G, H
18	Describe the amount of groundwater the urban water supplier has the legal right to pump under the order or decree. If the basin is not adjudicated, indicate “not applicable” in the UWMP location column.	10631(b)(2)		Chap 4.2.1.1, 4.2.1.2; p 4-3 – 4-7
19	For groundwater basins that are not adjudicated, provide information as to whether DWR has identified the basin or basins as overdrafted or has projected that the basin will become overdrafted if present management conditions continue, in the most current official departmental bulletin that characterizes the condition of the groundwater basin, and a detailed description of the efforts being undertaken by the urban water supplier to eliminate the long-term overdraft condition. If the basin is adjudicated, indicate “not applicable” in the UWMP location column.	10631(b)(2)		Not applicable (basin adjudicated)
20	Provide a detailed description and analysis of the location, amount, and sufficiency of groundwater pumped by the urban water supplier for the past five years	10631(b)(3)		Chap 4.2.3; p 4-18; Table 8
21	Provide a detailed description and analysis of the amount and location of groundwater that is projected to be pumped.	10631(b)(4)	Provide projections for 2015, 2020, 2025, and 2030.	Chap 4.2.4; p 4-19; Table 8
24	Describe the opportunities for exchanges or transfers of water on a short-term or long-term basis.	10631(d)		Chap 4.3; p 4-20
30	Include a detailed description of all water supply projects and programs that may be undertaken by the water supplier to address water supply reliability in average, single-dry, and multiple-dry years, excluding demand management programs addressed in (f)(1). Include specific projects, describe water supply impacts, and provide a timeline for each project.	10631(h)		Chap 4.6; p 4-24, p 4-25
31	Describe desalinated water project opportunities for long-term supply, including, but not limited to, ocean water, brackish water, and groundwater.	10631(i)		Chap 4.4; p 4-20, p 4-21

No.	UWMP requirement [a]	Calif. Water Code reference	Additional clarification	UWMP location
44	Provide information on recycled water and its potential for use as a water source in the service area of the urban water supplier. Coordinate with local water, wastewater, groundwater, and planning agencies that operate within the supplier's service area.	10633		Chap 4.5.1; p 4-21, 4-22
45	Describe the wastewater collection and treatment systems in the supplier's service area, including a quantification of the amount of wastewater collected and treated and the methods of wastewater disposal.	10633(a)		Chap 4.5.2; p 4-22
46	Describe the quantity of treated wastewater that meets recycled water standards, is being discharged, and is otherwise available for use in a recycled water project.	10633(b)		Chap 4.5.2; p 4-22
47	Describe the recycled water currently being used in the supplier's service area, including, but not limited to, the type, place, and quantity of use.	10633(c)		Chap 4.5.3; p 4-23
48	Describe and quantify the potential uses of recycled water, including, but not limited to, agricultural irrigation, landscape irrigation, wildlife habitat enhancement, wetlands, industrial reuse, groundwater recharge, indirect potable reuse, and other appropriate uses, and a determination with regard to the technical and economic feasibility of serving those uses.	10633(d)		Chap 4.5.4; p 4-23
49	The projected use of recycled water within the supplier's service area at the end of 5, 10, 15, and 20 years, and a description of the actual use of recycled water in comparison to uses previously projected.	10633(e)		Chap 4.5.5; p 4-23
50	Describe the actions, including financial incentives, which may be taken to encourage the use of recycled water, and the projected results of these actions in terms of acre-feet of recycled water used per year.	10633(f)		Chap 4.5.6; p 4-24
51	Provide a plan for optimizing the use of recycled water in the supplier's service area, including actions to facilitate the installation of dual distribution systems, to promote recirculating uses, to facilitate the increased use of treated wastewater that meets recycled water standards, and to overcome any obstacles to achieving that increased use.	10633(g)		Chap 4.5.7; p 4-24
WATER SHORTAGE RELIABILITY AND WATER SHORTAGE CONTINGENCY PLANNING [b]				
5	Describe water management tools and options to maximize resources and minimize the need to import water from other regions.	10620(f)		Chap 5.1.1; p 5-1
22	Describe the reliability of the water supply and vulnerability to seasonal or climatic shortage and provide data for (A) an average water year, (B) a single dry water year, and (C) multiple dry water years.	10631(c)(1)		Chap 5.4.1; p 5-5, p 5-6; Table 13

No.	UWMP requirement [a]	Calif. Water Code reference	Additional clarification	UWMP location
23	For any water source that may not be available at a consistent level of use - given specific legal, environmental, water quality, or climatic factors - describe plans to supplement or replace that source with alternative sources or water demand management measures, to the extent practicable.	10631(c)(2)		Chap 5.1.2; p 5-1
35	Provide an urban water shortage contingency analysis that specifies stages of action, including up to a 50-percent water supply reduction, and an outline of specific water supply conditions at each stage	10632(a)		Chap 5.4.2; p 5-6; Table 9
36	Provide an estimate of the minimum water supply available during each of the next three water years based on the driest three-year historic sequence for the agency's water supply.	10632(b)		Chap 5.4.3; p 5-6, p 5-7; Table 12
37	Identify actions to be undertaken by the urban water supplier to prepare for, and implement during, a catastrophic interruption of water supplies including, but not limited to, a regional power outage, an earthquake, or other disaster.	10632(c)		Chap 5.2.1; p 5-2
38	Identify additional, mandatory prohibitions against specific water use practices during water shortages, including, but not limited to, prohibiting the use of potable water for street cleaning.	10632(d)		Chap 5.2.2; p 5-2; Table 9; Appendix L
39	Specify consumption reduction methods in the most restrictive stages. Each urban water supplier may use any type of consumption reduction methods in its water shortage contingency analysis that would reduce water use, are appropriate for its area, and have the ability to achieve a water use reduction consistent with up to a 50 percent reduction in water supply.	10632(e)		Chap 5.2.3; p 5-3; Table 10
40	Indicated penalties or charges for excessive use, where applicable.	10632(f)		Chap 5.2.4; p 5-3; Table 11
41	Provide an analysis of the impacts of each of the actions and conditions described in subdivisions (a) to (f), inclusive, on the revenues and expenditures of the urban water supplier, and proposed measures to overcome those impacts, such as the development of reserves and rate adjustments.	10632(g)		Chap 5.2.5; p 5-3, p 5-4
42	Provide a draft water shortage contingency resolution or ordinance.	10632(h)		Chap 5.2.6; p 5-4; Appendix L
43	Indicate a mechanism for determining actual reductions in water use pursuant to the urban water shortage contingency analysis.	10632(i)		Chap 5.4.4; p 5-7

No.	UWMP requirement [a]	Calif. Water Code reference	Additional clarification	UWMP location
52	Provide information, to the extent practicable, relating to the quality of existing sources of water available to the supplier over the same five-year increments, and the manner in which water quality affects water management strategies and supply reliability	10634	For years 2010, 2015, 2020, 2025, and 2030	Chap 5.3; p 5-4, p 5-5
53	Assess the water supply reliability during normal, dry, and multiple dry water years by comparing the total water supply sources available to the water supplier with the total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and multiple dry water years. Base the assessment on the information compiled under Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.	10635(a)		Chap 5.4.5; p 5-7 – 5-9; Tables 14, 15, 16
DEMAND MANAGEMENT MEASURES				
26	Describe how each water demand management measures is being implemented or scheduled for implementation. Use the list provided.	10631(f)(1)	Discuss each DMM, even if it is not currently or planned for implementation. Provide any appropriate schedules.	Chap 6.1; p 6-1 – 6-10
27	Describe the methods the supplier uses to evaluate the effectiveness of DMMs implemented or described in the UWMP.	10631(f)(3)		Chap 6.1; p 6-1 – 6-10
28	Provide an estimate, if available, of existing conservation savings on water use within the supplier's service area, and the effect of the savings on the ability to further reduce demand.	10631(f)(4)		Chap 6.1; p 6-1 – 6-10
29	Evaluate each water demand management measure that is not currently being implemented or scheduled for implementation. The evaluation should include economic and non-economic factors, cost-benefit analysis, available funding, and the water suppliers' legal authority to implement the work.	10631(g)	See 10631(g) for additional wording.	Chap 6.2; p 6-10
32	Include the annual reports submitted to meet the Section 6.2 requirements, if a member of the CUWCC and signer of the December 10, 2008 MOU.	10631(j)	Signers of the MOU that submit the annual reports are deemed compliant with Items 28 and 29.	Not applicable (not member of CUWCC)

a The UWMP Requirement descriptions are general summaries of what is provided in the legislation. Urban water suppliers should review the exact legislative wording prior to submitting its UWMP.

b The Subject classification is provided for clarification only. It is aligned with the organization presented in Part I of this guidebook. A water supplier is free to address the UWMP Requirement anywhere with its UWMP, but is urged to provide clarification to DWR to facilitate review.