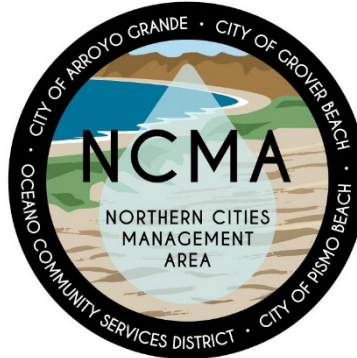


The Northern Cities Management Area – Technical Group



REQUEST FOR PROPOSALS NORTHERN CITIES MANAGEMENT AREA 2021 ANNUAL REPORT 7/27/2021

Questions regarding this solicitation should be submitted in writing via email to:

Northern Cities Management Area Technical Group
c/o Water Systems Consulting, Inc.
Kendall Stahl, P.E.
kstahl@wsc-inc.com

Written questions will be accepted until 5:00 pm on Wednesday, August 11th.

Proposals must be received before:
3:00 PM on Wednesday, August 18, 2021

Delivered to:
Northern Cities Management Area Technical Group
c/o Water Systems Consulting, Inc.
Attn. Ms. Kendall Stahl, P.E.
805 Aerovista Pl. Suite 201
San Luis Obispo, CA 93401

TABLE OF CONTENTS

- I. OVERVIEW**
- II. BACKGROUND**
- III. SCOPE OF WORK**
- IV. INFORMATION TO BE PROVIDED BY THE NORTHERN CITIES**
- V. SCHEDULE**
- VI. COMPENSATION**
- VII. PROPOSAL REQUIREMENTS**
- VIII. SELECTION CRITERIA AND PROCESS**
- IX. INDEMNIFICATION**
- X. INSURANCE**
- XI. APPENDICES**
 - A. NCMA 2020 ANNUAL MONITORING REPORT**
 - B. 2008 JUDGEMENT AFTER TRIAL**
 - C. NCMA MONITORING PROGRAM**
 - D. EXAMPLE TEMPLATE AGREEMENTS**

REQUEST FOR PROPOSAL
Northern Cities Management Area –
2021 ANNUAL REPORT

I. OVERVIEW

The Northern Cities, comprised of the City of Arroyo Grande, the City of Grover Beach, the City of Pismo Beach, and the Oceano Community Services District (OCSD), are soliciting proposals to manage the Northern Cities Management Area (NCMA) groundwater monitoring program and to prepare the 2021 NCMA Annual Report.

This solicitation in no way obligates the Northern Cities to award a contract for the services described herein, nor will the Northern Cities assume any liability for the costs incurred in the preparation and transmittal of proposals in response to this solicitation.

The Northern Cities reserve the right to not accept any proposal, to reject any or all proposals, to reject any part of any proposal, to negotiate and modify any proposal, and to waive any defects or irregularities in any proposal at the Northern Cities' sole discretion.

Furthermore, the Northern Cities shall have the sole discretion to award the contract, as it may deem appropriate to best serve the interests of the Northern Cities. In this regard, the Northern Cities may consider demonstrated quality of work, responsiveness, professional qualifications, assigned personnel, references, and proposed fees, when determining the most responsive proposal.

II. BACKGROUND

The Santa Maria Groundwater Basin (SMGB), located in Southern San Luis Obispo and northern Santa Barbara Counties, is an adjudicated groundwater basin. Based on the terms of the Adjudication, the SMGB is divided into three management areas: the Santa Maria Valley Management Area; the Nipomo Mesa Management Area (NMMA); and the NCMA. A detail image of the NCMA coverage area can be found in Appendix A (NCMA 2020 Annual Monitoring Report).

On January 25, 2008 the Superior Court of California, City of Santa Clara, issued a Judgment After Trial that legally dictates the water rights and usage restrictions for the water in the SMGB. Formally adopted in the 2008 Judgment After Trial (Appendix B) were a 2005 Stipulation and a 2002 Settlement Agreement amongst the Northern Cities, Northern Landowners, and Other parties (Appendix B, Exhibit 1).

One of the primary requirements of the 2005 Stipulation is the development and implementation of a groundwater monitoring program and the production of an annual

monitoring report for each of the Management Areas. The Northern Cities are responsible for the preparation and submittal of the annual groundwater monitoring report for the NCMA. To aid in the development of the NCMA Annual Reports, the Northern Cities formed the NCMA Technical Group (NCMA TG). The NCMA TG will be selecting a CONSULTANT to implement the NCMA groundwater monitoring program and to prepare the 2021 NCMA Annual Report.

III. SCOPE OF WORK

The scope of work describes the CONSULTANT's tasks and responsibilities for performing the required groundwater monitoring within the NCMA and preparing the 2021 NCMA Annual Report. The annual report will contain the following information (at a minimum):

- Summary of the 2021 NCMA groundwater monitoring
- Quarterly groundwater monitoring and reporting
- Changes in groundwater supplies
- Threats to the groundwater basin
- Tabulation of NCMA water use
- Imported water availability and use
- Return flow entitlement and use
- Developed water availability and use
- Groundwater use

Task 1.1 NCMA Groundwater Monitoring and Report Schedule

The CONSULTANT shall prepare a schedule detailing all groundwater monitoring activities, report preparation, meetings/workshops, and report submittal. This schedule shall be provided to the NCMA TG within 14 days of being awarded the contract.

Task 1.2 Meetings

The CONSULTANT shall coordinate with the NCMA TG and attend the following meetings:

- NCMA TG Meetings – The NCMA TG holds monthly meetings to share water production data, review groundwater monitoring program results, and collaborate on regional water supply initiatives. These meetings occur monthly (assume 12 meetings) and last approximately 2 hours. These meetings can be attended via conference call/online; however, occasional in-person attendance may be required.
- SMGB MA Technical Subcommittee Meetings – Periodic meetings amongst technical representatives from the three Management Areas to share groundwater data, discuss regional initiatives and review draft annual reports. These meetings occur quarterly (assume 4 meetings) and last approximately 2 hours. Meetings may be attended via conference call/online.

- NCMA Annual Report Draft Review Meetings - Meetings to review and comment on the draft NCMA Annual reports with the NCMA TG and water right counsel. CONSULTANT is responsible for preparation of agendas and post-meeting summaries for the NCMA Annual Report Draft Review Meetings. Assume two meetings lasting approximately 2 hours. These meetings can be attended via conference call/online; however, occasional in-person attendance may be required.
- Miscellaneous coordination meetings – Periodic meetings to coordinate with the NCMA TG, Northern Cities Legal Counsel and/or representatives from the other management areas. Assume two meetings lasting approximately 2 hours. Typically, these meetings can be attended via conference call/online; however, occasional in-person attendance may be required.

Task 1.3 NCMA Groundwater Monitoring and Water Quality Sampling

The CONSULTANT shall perform four quarterly monitoring and sampling events at the following monitoring wells listed below:

- 32S/12E-24B01, 32S/12E-24B02, 32S/12E-24B03
- 32S/13E-30F01, 32S/13E-30F02, 32S/13E-30F03
- 32S/13E-30N01, 32S/13E-30N02, 32S/13E-30N03
- 12N/36W-36L01, 12N/36W-36L02
- Oceano MW-Green, Oceano MW-Blue, Oceano Well #8, Oceano MW-Yellow
- 12N/35W-32C03

The CONSULTANT shall be responsible for coordinating and collecting groundwater elevation and water quality data for the 4th quarter 2021, 1st quarter 2022, 2nd quarter 2022, and the 3rd quarter 2022 in coordination with the County of San Luis Obispo's semi-annual groundwater monitoring cycle and the Northern Cities' historical groundwater monitoring schedule. A copy of the Northern Cities' Groundwater Monitoring Program is attached in Appendix C.

The quarterly testing will include field measurements for depth to water, temperature, pH, EC, and turbidity. Additionally, samples will be collected for CDPH ELAP certified lab analysis of the major ion constituents (bicarbonate, calcium, carbonate, chloride, magnesium, potassium, sodium, and sulfate), plus alkalinity, boron, bromide, fluoride, hydroxide, iodide, iron, manganese, nitrate, TDS, and Total Kjeldhal Nitrogen. Groundwater depth measurements are to be collected in accordance with the American Society for Testing and Materials (ASTM) Standard D4750-87. Groundwater water quality samples are to be collected in accordance with the ASTM standard D4448-1.

Quarterly field measurements will include extracting data from level, temperature and EC transducers installed in 6 of the Northern Cities' monitoring wells. Several of the transducers have been in place for approximately 2 years. Transducers are to be removed, cleaned and calibrated on an annual basis. Please provide an optional task to replace/re-calibrated the transducers as-needed.

The CONSULTANT shall be responsible for updating and maintaining the NCMA groundwater database to include all data collected during the quarterly groundwater monitoring (database to be provided to the selected CONSULTANT after award).

Task 1.4 NCMA Groundwater Data Analysis

The CONSULTANT will compile all data collected from the quarterly groundwater monitoring and all applicable monitoring completed by the County of San Luis Obispo. The CONSULTANT will perform analysis and prepare quarterly reports on the status of the groundwater in the NCMA. Analysis should focus on the potential for salt water intrusion at the designated sentry wells and other potential hazards. These reports shall be sent to the NCMA TG within 5 weeks of the end of each quarter. At minimum, the reports should include the following items. The NCMA TG welcomes suggestions from the CONSULTANT for improving the data representation and analysis within the quarterly reports.

- Detailed discussion of the water level and water quality data collected and analysis relative to historical values
- Average Deep Sentry Well Elevation and Chloride Concentration Graphs
- Historical Quarterly Deep Well Index Levels Graph
- Water Level, EC, and Temperature Transducer Graphs (24B03, 30F03, 30N02, 32C03, 36L01, 36L02)
- Hydrograph of Deep Sentry Well Index Elevation
- Water Quality Summary & Key Sentry Well Data Tables

CONSULTANT shall develop groundwater elevation contour maps representing the Spring and Fall groundwater levels within the NCMA. CONSULTANT shall review groundwater elevation contours prepared by the neighboring management areas and coordinate to develop consistent contours for the SMGB.

Task 1.5 Hydrologic Data Compilation

In addition to the Groundwater Data Analysis described above, the CONSULTANT shall compile and analyze hydrologic data for the NCMA as described below:

- Precipitation - The CONSULTANT shall compile all available precipitation data from locations with or nearby the NCMA and compared it against the average precipitation.
- Evapotranspiration - The CONSULTANT shall compile all available evapotranspiration data from locations with or nearby the NCMA and compared it against average evapotranspiration.
- Surface Water – The CONSULTANT shall collect all surface water monitoring data for streams located within or nearby the NCMA.

Task 1.6 NCMA Water Demand and Availability Analysis

The CONSULTANT shall perform a detailed analysis and develop a tabular report for all water demands and water availability within the NCMA. Data collection and analysis shall be sufficient to determine land and water uses in the NCMA, sources of supply to meet those uses, groundwater availability, the amount and disposition of Developed Water supplies, and the amount and disposition of any other sources of water supply within the NCMA. Additionally, this report should include a detailed analysis of threats to the groundwater and other sources of supply within the NCMA.

Task 1.7 2021 NCMA Annual Monitoring Report Preparation

The CONSULTANT shall prepare a draft outline of the 2021 Annual Report and submit it to the Northern Cities and the water rights counsel within 6 weeks of the Notice to Proceed.

The CONSULTANT shall provide the Northern Cities and the water rights counsel with electronic copies of the administrative draft 2021 NCMA Annual Report a minimum of 12 weeks prior to the submittal date of the final report. At a minimum, the CONSULTANT shall include all sections, tables and figures included in the 2020 NCMA Annual Report (Attached) in the 2021 NCMA Annual Report. Comments received regarding the administrative draft report will be incorporated into the draft report. CONSULTANT shall provide a Comment/Response Log that contains all the comments received and a response that addresses each comment.

The draft report will be released to the NCMA TG via email 5 weeks prior to the deadline of the final report. Upon approval by the NCMA TG, the CONSULTANT may share the Draft 2021 Annual Report with members of the other management areas in the SMGB. The CONSULTANT shall review and comment on the Annual Reports prepared by the other Management Areas.

The CONSULTANT will compile all comments received on the draft report and incorporate them into the final report. CONSULTANT shall provide a Comment/Response Log that contains all the comments received and a response that addresses each comment. The final report will be delivered to the water rights counsel before April 30, 2022. Additionally, electronic copies will be provided in PDF format, and all calculation and database files utilized in the preparation of the report will be provided in electronic (native file) format.

Optional Task: Preparation of the 2022 and 2023 NCMA Annual Monitoring Reports

The CONSULTANT shall provide an optional scope, schedule and fee to prepare the 2022 and 2023 NCMA Annual Monitoring Reports. The scope, schedule and fee shall be complete for all services required to complete these reports as outlined herein for the 2021 Annual Monitoring Report.

IV. INFORMATION TO BE PROVIDED BY THE NORTHERN CITIES

The CONSULTANT shall provide the necessary resources and services to execute the scope of work described above, and in coordination with the selected CONSULTANT, the Northern Cities will provide the following data:

- Monthly water usage data by source (groundwater pumping, Lopez deliveries, State Water Project deliveries).
- Review of administrative draft report and the draft report, timely comments on inquiries for additional information.

If the CONSULTANT assumes that the Northern Cities will provide resources other than those specifically indicated above, those assumptions should be clearly stated and highlighted in its proposal.

V. SCHEDULE

Proposals must be received before **3:00 PM on Wednesday, August 18, 2021.**

If the Northern Cities, in their sole discretion, decide to award a contract, the contract will be awarded for tasks to be completed to the successful CONSULTANT on or before September 3, 2021. After a written Notice to Proceed is issued by the Northern Cities, the CONSULTANT's work shall begin within 5 days. All work shall then be completed in accordance with the schedule stipulated.

The CONSULTANT shall not begin work nor incur any costs associated with any task identified herein without an explicit written Notice to Proceed.

July 27, 2021	RFP issued
August 11, 2021	Last date to submit questions regarding this RFP
August 18, 2021	Proposals due
August 23-26, 2021	Interviews (if deemed necessary by the Northern Cities)
August 30, 2021	Recommended Consultant to be announced
September 3, 2021	Contract awarded
September 6, 2021	Notice to Proceed issued

VI. COMPENSATION

The Northern Cities will negotiate with the selected CONSULTANT the scope, fee, and schedule based on the following assumptions and conditions:

For all services rendered as described in the Scope of the Work, including all labor, equipment, materials, and expenses, the CONSULTANT shall be compensated on a time and expenses basis by task for work completed, with a not-to-exceed maximum.

The CONSULTANT will be required to execute separate contracts, one with each of the agencies that make up the Northern Cities. Example template agreements for each of the Northern Cities are included in Appendix D. CONSULTANT shall submit any comments or concerns on the terms and conditions of the attached agreements in their proposal.

VII. PROPOSAL REQUIREMENTS

Questions - Written questions regarding the project and this RFP will be accepted until 5:00 p.m., August 11, 2021. Questions must be submitted by e-mail to kstahl@wsc-inc.com. The Northern Cities will make every effort to provide written answers no later than August 11, 2021 via e-mail to all questions submitted.

Submittals - Faxed copies will not be accepted. To be considered, proposals must be received before **3:00 p.m. on Wednesday, August 18, 2021**. Proposals received after said time will not be considered. Interested firms are invited to submit one PDF document of project proposal by email to Kendall Stahl at kstahl@wsc-inc.com if proposal file size is less than 25 MB. Alternatively, proposals may be provided on CD or USB flash drive and mailed to the following address:

Northern Cities Management Area Technical Group
c/o Water Systems Consulting, Inc.
Attn: Kendall Stahl, P.E.
805 Aerovista Place, Suite 201 San Luis Obispo, CA 93401

Contents of the Proposal - At a minimum, proposals should contain the information outlined herein. Additional information that the proposer deems relevant to the selection process may be included; however, concise and focused submittals are strongly encouraged. By submitting a proposal, and unless otherwise stated, it is understood that the CONSULTANT has reviewed the relevant information, and that based on that review, the CONSULTANT has developed an informed understanding of the projected scope of work and has satisfied itself with the applicable conditions and requirements expressed in those documents.

- 1. Firm Background** - In two pages or less, provide a brief overview of the firm that will assume all contract responsibilities and identify all proposed sub-consultants.

2. **Project Team** - Provide an organization chart that identifies the individuals and sub-consultants if applicable, assigned to and responsible for the key elements of the work scope and their relationship to the other elements.
3. **Individual Qualifications and Experience** - Provide resumes for each key staff member. Provide examples of recent projects - state the contract amount and completion date; and include the name, title and phone number of client references.
4. **Statement of Understanding and Scope of Work** - Proposals should provide a statement of your understanding of the project by highlighting the dominant issues and outlining your approach toward addressing those issues. Any recommendations regarding improvements to the process to more effectively meet the Northern Cities' stated objectives should be emphasized in your proposal and would be a clear means of demonstrating your understanding of the project requirements. These recommendations shall clearly state any responsibilities to be assumed by the Northern Cities. If the CONSULTANT assumes that the Northern Cities will provide resources other than those specifically indicated earlier, those assumptions should be clearly stated and highlighted in its proposal. **This section should include a statement that the CONSULTANT does not have a conflict of interest related to representation of any other stipulating party in the adjudication of the Santa Maria Groundwater Basin.**
5. **Schedule** - Proposals should present a project schedule showing milestones, deliverable dates, and the duration of each task.
6. **Fee Proposal** – Sufficient information should be provided to justify the proposed fee and to serve as a basis for negotiating a contract and any Supplemental Agreements that may be warranted for out of scope services. In this regard, the fee proposal should identify personnel, estimated number of hours, and rate; type of equipment, hours, and rate; and any outside costs for each identified work element including travel and consultant-associated costs for required meetings. Indicate the number of hours each member has been budgeted and will be assigned to the project.

Any Contract resulting from this solicitation will specify a maximum, not-to-exceed fee amount. Except in the unusual situation wherein the CONSULTANT encounters circumstances that could not be reasonably anticipated, the Northern Cities will not authorize payment beyond this amount.

In consideration of this, any assumptions and/or the need for any contingencies must be clearly spelled out in the Fee Proposal and used as a basis to compute a “not-to-exceed” figure for the project. This figure should be sufficient to provide for any reasonably anticipated circumstances that may be encountered during project execution and completion.

VIII. SELECTION CRITERIA AND PROCESS

A. Personnel and Experience (35 pts)

1. Qualifications of each participant and overall qualification for the firm.
2. Experience and performance on similar projects.
3. Technical Capability.

B. Schedule and Fee (25 pts)

1. Timetable and costs for completing the project.

C. Understanding, Approach, and Scope of Work (20 pts)

1. Demonstrated understanding of the project objectives.
2. CONSULTANT's approach to accomplishing the scope of work.

D. Meeting Agency Needs (10 pts)

1. Degree to which the CONSULTANT's team and approach meet the needs of the Northern Cities

E. Project Management (10 pts)

1. Procedures to be used to ensure close contact between CONSULTANT and the project manager.
2. Team Coordination

TOTAL POSSIBLE SCORE: 100 pts

Right to reject all proposals - the Northern Cities reserve the right to reject any and all proposals, and to re-issue the RFP.

Conflict of interest – be advised that the Northern Cities seek to hire a CONSULTANT who does not have a conflict of interest, real or perceived, through its representation of any of the other stipulating parties in the adjudication of the Santa Maria Groundwater Basin.

IX. INDEMNIFICATION

The Northern Cities require the successful bidder to indemnify each of the Northern Cities according to a set of provisions that will become contractual obligations. The CONSULTANT shall defend, indemnify and save harmless the Northern Cities, their respective officers, agents and employees, from any and all claims, demands, damages, costs, expenses, judgments or liability arising out of this Contract or attempted performance of the provisions hereof.

Coverage shall be predicated upon theories of violation of statute, ordinance, or regulation, professional malpractice, negligence, or recklessness including negligent or reckless

operation of motor vehicles or other equipment, furnishing of defective or dangerous products or completed operations, premises liability arising from trespass or inverse condemnation, violation of civil rights and also including any adverse determination made by the Internal Revenue Service or the State Franchise Tax Board.

With respect to CONSULTANT's independent contractor status this provision establishes liability for failure to make social security and income tax withholding payments, failure to comply with workers' compensation laws, or any act or omission to act, whether or not it be willful, intentional or actively or passively negligent on the part of CONSULTANT or his agents, employees or other independent CONSULTANT's directly responsible to CONSULTANT.

In addition, the foregoing shall apply to any wrongful acts or any active or passively negligent acts or omissions to act, committed jointly or concurrently by the CONSULTANT or the CONSULTANT's agents, employees or other independent Contractors and the Northern Cities its agents, employees or independent Contractors.

Nothing contained in the foregoing indemnity provision shall be construed to require indemnification for claims, demand, damages, costs, expenses or judgments resulting solely from the conduct of the Northern Cities.

X. INSURANCE

The Northern Cities will require the successful bidder to provide insurance which meets certain provisions, which will become contractual obligations. The CONSULTANT shall not perform any work under the Contract until it has obtained insurance complying with the provisions of this section, delivered a copy of each insurance policy to the Northern Cities, and obtained the Northern Cities' approval of all such policies. Said policies shall be issued by companies authorized to do business in California. CONSULTANT shall maintain said insurance in force at all times. The following types of coverage with the described features shall be provided:

- A. Professional Liability Insurance. Contractor shall maintain professional liability "errors and omissions" insurance with limits of liability of not less than \$1,000,000 per occurrence to cover all services rendered by Contractor pursuant to this contract.
- B. Comprehensive Liability Insurance and Automobile Insurance. CONSULTANT shall maintain comprehensive general and automobile liability insurance, which shall cover claims arising from bodily and personal injury, including death resulting from such actions, and damage to property, resulting from any act or occurrence arising out of CONSULTANT's operations in the performance of the contract, including, without limitation, acts involving automobiles.

The policies shall provide not less than \$1,000,000 single limit coverage applying to bodily and personal injury, including death resulting from resulting from such actions, and property damage. The following endorsements must be attached to the policy:

1. If the policy covers on an "accident" basis, it must be changed to an "occurrence" basis.
2. The Comprehensive Liability Insurance policy must cover personal injury as well as bodily injury.
3. The Comprehensive Liability Insurance policy must have blanket coverage of contractually assumed liability, subject to the limitations of the policy.
4. The policy must have a "Cross Liability" ("Severability of Interests") endorsement such that each insured is covered as if separate policies had been issued to each insured.
5. The Northern Cities, their officers, employees and agents shall be named as additional insurers under the Comprehensive Liability Insurance policy, and the policy shall provide that the insurance will operate as primary insurance and that no other insurance effected by the County will be called upon to contribute to a loss hereunder.

C. Workers' Compensation Coverage.

In accordance with the provisions of 3700 et seq., of the Labor Code, CONSULTANT is required to be insured against liability for workers compensation or to undertake self-insurance. CONSULTANT agrees to comply with such provisions before commencing performance of the work covered by this Contract.

D. Certification of Coverage.

Prior to commencing work under the contract, CONSULTANT shall furnish the Northern Cities with the following for each insurance policy required to be maintained by this contract:

1. A copy of the entire policy and not just the "face sheet" or proof of coverage (except that no copy of CONSULTANT's workers' compensation policy need be provided).
2. A certificate of insurance including certification that the policy will not be canceled or reduced in coverage or changed in any other material aspect without thirty (30) days prior written notice to the Northern Cities.

E. Effect of Failure or Refusal.

If CONSULTANT fails or refuses to procure or maintain the insurance required by this contract, or fails or refuses to the Northern Cities with the certifications required by subparagraph (B4) above, the Northern Cities shall have the right, at its option, to forthwith terminate the Contract for cause.

APPENDIX A
2020 NCMA ANNUAL MONITORING REPORT



FINAL

Northern Cities Management Area Technical Group

Northern Cities Management Area 2020 Annual Monitoring Report

Prepared for

City of Arroyo Grande ■ City of Grover Beach ■ Oceano Community Services District ■
City of Pismo Beach

April 9, 2021

Prepared by:

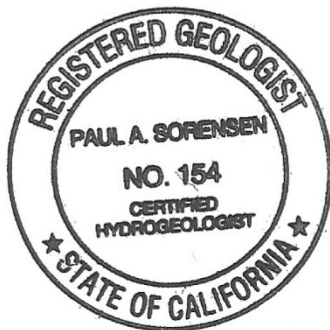
GSI Water Solutions, Inc.

5855 Capistrano Avenue, Suite C, Atascadero, CA 93422

This page intentionally left blank for duplex printing.

Northern Cities Management Area 2020 Annual Monitoring Report

This report was prepared by the staff of GSI Water Solutions, Inc., in collaboration with GEI Consultants, Inc., under the supervision of professionals whose signatures appear below. The findings or professional opinion were prepared in accordance with generally accepted professional engineering and geologic practice.



Paul A. Sorensen, PG, CHg
Principal Hydrogeologist
Project Manager



Nathan R. Page, PG
Managing Hydrogeologist

This page intentionally left blank for duplex printing.

Contents

Executive Summary	1
Groundwater Conditions	1
Groundwater Levels	1
Change in Groundwater in Storage	2
Groundwater Quality.....	3
Water Supply and Production/Deliveries	3
Threats to Water Supply.....	4
SECTION 1: Introduction.....	7
1.1 History of Litigation	7
1.2 Description of the NCMA Technical Group	10
1.3 NCMA TG Mission Statement	11
1.4 Coordination with Management Areas	11
1.5 Development of Monitoring Program.....	12
1.6 Groundwater Monitoring Network.....	12
1.7 Recent and Ongoing Strategic Initiatives	16
1.7.1 Strategic Plan.....	16
1.7.2 Central Coast Blue.....	16
1.7.3 Phase 1B Groundwater Model.....	17
1.7.4 Airborne Electromagnetic Survey	17
SECTION 2: Basin Setting.....	19
2.1 Setting.....	19
2.2 Precipitation	19
2.3 Evapotranspiration.....	23
2.4 Geology and Hydrogeology	23
2.5 Groundwater Flow	24
SECTION 3: Groundwater Conditions	27
3.1 Groundwater Levels	27
3.1.1 Groundwater Level Contour Maps.....	27
3.1.2 Historical Water Level Trends.....	30
3.1.3 Sentry Wells and the Deep Well Index	30
3.2 Change in Groundwater in Storage.....	41
3.3 Water Quality	44
3.3.1 Quarterly Groundwater Monitoring.....	44
3.3.2 Analytical Results Summary.....	47
SECTION 4: Water Supply and Production/Delivery	49
4.1 Water Supply	49
4.1.1 Lopez Lake	49
4.1.2 State Water Project	51
4.1.3 Groundwater	52
4.1.4 Developed Water	55
4.1.5 Other Supplies	55
4.1.6 Total Water Supply Availability.....	56
4.2 Water Use	58

4.2.1	Agricultural Water Supply Requirements	58
4.2.2	Rural Use.....	65
4.2.3	Urban Production for Potable Use	66
4.2.4	2020 Groundwater Pumpage	66
4.2.5	Changes in Water Production	69
SECTION 5: Comparison of Water Supply and Water Production.....		73
SECTION 6: Threats to Water Supply.....		75
6.1	Threats to Local Groundwater Supply.....	75
6.1.1	Declining Water Levels.....	75
6.1.2	Seawater Intrusion	75
6.2	Threats to State Water Project Supply.....	79
6.3	Threats to Lopez Lake Water Supply	80
SECTION 7: Management Activities.....		81
7.1	Strategic Plan	81
7.1.1	Purpose and Background.....	81
7.1.2	Mission Statement	81
7.1.3	Objectives of the NCMA TG	81
7.1.4	Strategic Initiatives and Implementation Plan.....	82
7.2	Management Objectives.....	82
7.2.1	Share Groundwater Resources and Manage Pumping.....	83
7.2.2	Enhance Management of NCMA Groundwater.....	84
7.2.3	Monitor Supply and Demand and Share Information	85
7.2.4	Manage Groundwater Levels and Prevent Seawater Intrusion	88
7.2.5	Protect Groundwater Quality.....	90
7.2.6	Manage Cooperatively.....	91
7.2.7	Encourage Water Conservation	92
7.2.8	Evaluate Alternative Sources of Supply	96
SECTION 8: References.....		99

Tables

Table 1. NCMA TG Representatives	10
Table 2. Lopez Lake (SLOFCWCD Zone 3 Contractors) Water Allocations (AFY).....	49
Table 3. Lopez Lake Municipal Diversion LRRP Reduction Strategy	50
Table 4. Lopez Lake Downstream Release LRRP Reduction Strategy.....	50
Table 5. Lopez Lake Deliveries, 2020.....	51
Table 6. NCMA SWP Deliveries, 2020.....	52
Table 7. NCMA Groundwater Entitlement and Production from Santa Maria Groundwater Basin, 2020	55
Table 8. Baseline (Full Entitlement) Available Urban Water Supplies (AFY)	56
Table 9. Available Urban Water Supply, 2020.....	57
Table 10. NCMA Crop Acreages and Calculated Evapotranspiration, 2020	60

Table 11. Flow Terms Used in Root Zone Routing for IDC Model 61

Table 12. IDC Model Results of Monthly Applied Water, 2020..... 64

Table 13. Estimated Rural Water Production, 2020..... 65

Table 14. Historical Urban Water Production for Potable Use (Groundwater and Surface Water) 66

Table 15. NCMA Groundwater Pumpage from Santa Maria Groundwater Basin, 2020 (AF)..... 67

Table 16. Historical Total Water Use (Groundwater and Surface Water, AF) 69

Table 17. Water Production by Source, 2020 (AF)..... 73

Figures

Figure 1. Santa Maria Groundwater Basin 8

Figure 2. Northern Cities Management Area 9

Figure 3. Locations of Monitoring Wells..... 14

Figure 4. Depths of Monitoring Wells..... 15

Figure 5. Annual Precipitation 1950 to 2020 20

Figure 6. Location of Precipitation Stations..... 21

Figure 7. Monthly and Average Precipitation and Evapotranspiration..... 22

Figure 8. Groundwater Elevation Contours Spring 2020..... 28

Figure 9. Groundwater Elevation Contours Fall 2020 29

Figure 10. Selected Hydrographs..... 31

Figure 11. Sentry Well Hydrographs..... 32

Figure 12. Hydrograph of Deep Well Index Elevation..... 34

Figure 13. Water Elevation, Conductivity, and Temperature, Well 24B03 35

Figure 14. Water Elevation, Conductivity, and Temperature, Well 30F03 36

Figure 15. Water Elevation, Conductivity, and Temperature, Well 30N02..... 37

Figure 16. Water Elevation, Conductivity, and Temperature, Well 36L01 38

Figure 17. Water Elevation, Conductivity, and Temperature, Well 30N02..... 39

Figure 18. Water Elevation, Conductivity, and Temperature, Well 32C03 40

Figure 19. Change in Groundwater Elevation, Deep Aquifer System, April 2019 to April 2020..... 42

Figure 20. Change in Groundwater Elevation, Alluvial Aquifer, April 2019 to April 2020 43

Figure 21. Chloride Concentrations in Monitoring Wells 45

Figure 22. Total Dissolved Solids Concentrations in Monitoring Wells..... 46

Figure 23. Piper Diagram of Water Quality in Select Monitoring Wells..... 48

Figure 24. Locations of Municipal Production Wells..... 54

Figure 25. NCMA Agricultural Land 2020..... 59

Figure 26. 2020 NCMA Estimated Agricultural Water Demand and Monthly Precipitation at the SLO No. 795 Gauge 63

Figure 27. Municipal Water Use by Source..... 68

Figure 28. Total Water Use (Urban, Rural, Agricultural) by Source 70

Figure 29. Historical TDS, Chloride, and Sodium, Index Wells and 30N03..... 77

Figure 30. Historical TDS, Chloride, and Sodium, Wells 30N02, MW-Blue, and 36L01..... 78

Appendix

Appendix A NCMA Sentry Well Water Level and Water Quality Data

Abbreviations and Acronyms

2020 Annual Report	Northern Cities Management Area 2020 Annual Monitoring Report
AFY	acre-feet per year
Arroyo Grande	City of Arroyo Grande
ATF	advanced treatment facility
APW	advanced purified water
CIMIS	California Irrigation Management Information System
County	San Luis Obispo County
CSA	County Service Area
CUP	Consumptive Use Program
DDW	Division of Drinking Water
Delta	Sacramento-San Joaquin Delta
DRI	Desert Research Institute
DWR	California Department of Water Resources
ET	evapotranspiration
Grover Beach	City of Grover Beach
gpcd	gallons per capita daily
IDC	2015 Integrated Water Flow Model Demand Calculator
IRWMP	Integrated Regional Water Management Plan
IWFM	2015 Integrated Water Flow Model
LRRP	Low Reservoir Response Plan
NAVD 88	North American Vertical Datum of 1988
NCMA Monitoring Program	Monitoring Program for the Northern Cities Management Area
NCMA	Northern Cities Management Area
Nipomo station	Nipomo Station (No. 202)
NMMA	Nipomo Mesa Management Area
NRCS	Natural Resources Conservation Service
Oceano CSD	Oceano Community Services District
OCSD	Oceano Community Services District
PE	Professional Engineer
PG&E	Pacific Gas & Electric
Pismo Beach	City of Pismo Beach
SGMA	Sustainable Groundwater Management Act

SLOFCWCD	County of San Luis Obispo Flood Control and Water Conservation District
SMGB	Santa Maria River Valley Groundwater Basin
SMGBMA	Santa Maria Groundwater Basin Management Area
SMVMA	Santa Maria Valley Management Area
SSLOCSD	South San Luis Obispo County Sanitation District
SWP	California State Water Project
SWRCB	State Water Resources Control Board
TDS	total dissolved solids
TG	NCMA Technical Group
UWMP	Urban Water Management Plan
WRAC	Water Resources Advisory Committee
WSCP	Water Shortage Contingency Plan
WWTP	wastewater treatment plant

Executive Summary

The 2020 Annual Monitoring Report for the Northern Cities Management Area (NCMA) (Annual Report) is prepared pursuant to the requirements of the 2005 Stipulation for the Santa Maria Groundwater Basin Adjudication (2005 Stipulation) and the January 25, 2008 Judgment After Trial (2008 Judgment). This 2020 Annual Report provides an assessment of hydrologic conditions for the NCMA based on data collected during the calendar year of record. As specified in the Judgment, the NCMA agencies, consisting of the City of Arroyo Grande, City of Grover Beach, City of Pismo Beach, and Oceano Community Services District (OCSD), regularly monitor groundwater in the NCMA and analyze other data pertinent to water supply and demand, including the following:

- Land and water use in the Santa Maria River Valley Groundwater Basin (SMGB or basin)
- Sources of supply to meet water demand
- Groundwater conditions (including water levels and water quality)
- Amount and disposition of NCMA water supplies that are not groundwater

Results of the data compilation and analysis for calendar year 2020 are documented and discussed in this 2020 Annual Report.

Groundwater Conditions

During 2020, water elevations generally decreased slightly in the NCMA portion of the SMGB in response to below-average rainfall in 2020. The relatively minor decrease in water levels throughout most of the area, despite the below-average rainfall conditions, is less than would be expected given the recent rainfall patterns. That the impacts are not greater is attributed to ongoing efforts by all NCMA agencies to minimize groundwater extraction and maximize surface water supply sources while maintaining the water conservation practices and requirements brought on by the recent drought.

Groundwater Levels

The greatest threat to the groundwater supply in the area is seawater intrusion. An indicator of whether the NCMA agencies and other stakeholders are successfully averting the threat of seawater intrusion is the groundwater elevation in the NCMA sentry wells near the coastline. The average water elevations of three sentry wells—24B03, 30F03, and 30N02—make up a Deep Well Index. This index was developed by the NCMA in 2007 to gauge the ability of the aquifer to withhold potential landward migration of seawater. A Deep Well Index value above 7.5 feet North American Vertical Datum 1988 (NAVD 88)¹ generally indicates that sufficient freshwater flow occurs from the east to the coastline to prevent seawater intrusion. History has shown that a prolonged period in which the Deep Well Index level is below 7.5 feet develops groundwater conditions that pose a risk of seawater intrusion. The following are evaluations of groundwater levels through the seasons in calendar year 2020.

- **Spring 2020.** In the mostly urbanized areas north of Arroyo Grande Creek, groundwater is extracted from the deep groundwater aquifers of the Paso Robles Formation and the Careaga Sand. The water elevation contours in the deep aquifer system in spring of 2020 generally showed a westerly to southwesterly groundwater flow (see Figure 8). These groundwater flow gradients and positive (above mean sea level)

¹ Note that NAVD 88 is 2.72 feet lower than mean sea level, as recorded at the Port San Luis tide station datum (available at <https://tidesandcurrents.noaa.gov/datums.html?id=9412110>); however, for the purposes of this report it will be referred to as sea level.

groundwater elevations are developed and maintained primarily because the NCMA agencies have managed this portion of the basin through cooperative water management and conservation efforts. The proactive management of the basin and collaborative efforts by the agencies was necessary to respond to lower water levels in the Deep Well Index more than a decade ago. The combined NCMA efforts are to ensure that fresh groundwater flow to the ocean continues to create a barrier to seawater intrusion. April 2020 groundwater elevations in the deep aquifer system main production zone along the coast ranged from 8.0 to 12.0 feet above sea level. In the southernmost portion of the area, the groundwater elevations, flow, and gradient are less well known because there are only a limited number of wells and point sources of water level data. The groundwater gradient and flow in this area are generally inferred on the basis of historical records and trends as well as water level data from the Nipomo Mesa Management Area (NMMA) farther east.

- The Cienega Valley is in the central area of the NCMA, generally south of Arroyo Grande Creek. Virtually all groundwater pumping in this area is from the relatively shallow (less than 100 feet deep) alluvial aquifer. Agricultural groundwater production typically results in seasonal drawdown of the alluvial aquifer in the valley. Groundwater elevations in the alluvial aquifer in the Cienega Valley were in the range of below 0 feet to more than 30 feet above sea level in spring 2019. These data show a general decrease in alluvial groundwater elevations from April 2019 to April 2020. During the recent drought, spring alluvial groundwater elevations showed a subdued pumping trough in the Cienega Valley, with groundwater elevations generally below sea level in the center of the depression.
- **Fall 2020.** Groundwater level contours for October 2020 are presented in Figure 9. Groundwater elevations in the alluvial aquifer within the Cienega Valley in October 2020 were 1 to 23 feet lower than elevations at the start of the irrigation season in April 2020, which is a typical seasonal response to the irrigation season. These conditions are consistent with the pumping depressions observed historically during the fall in the Cienega Valley. The alluvial groundwater elevation in the pumping depression in October 2020, at 14.4 feet below sea level, was 3.2 feet higher than in October 2019. October 2020 groundwater elevations in the deep aquifer system main production zone along the coast ranged from 4.8 to 7.0 feet above sea level.
- **Deep Wells.** In 2020, the Deep Well Index started the year above the 7.5-foot threshold value with an index number in January of more than 10 feet. The Deep Well Index continued to rise through the winter and early spring, reaching a high of more than 12 feet in April, and then began a steady decline into and throughout the summer season, as is typical. The index value dropped down to the 7.5-foot threshold value briefly in mid-October and then immediately began to rise. The index value continued to rise throughout the end of the year and finished 2020 at about 9 feet above sea level.
- **NCMA/NMMA Boundary.** The water elevation in the San Luis Obispo County monitoring well (Well 32C03), which was installed to monitor aquifer conditions along the NCMA/NMMA boundary, typically exhibits regular seasonal fluctuations. As in 2019, the water elevation in the well remained above sea level throughout all of 2020, in contrast to the 2013 through 2016 period when the water levels in the NCMA/NMMA boundary area typically dropped below sea level in August and remained at a low elevation until early October.

Change in Groundwater in Storage

The change in groundwater in storage in the NCMA portion of the SMGB between April 2019 and April 2020 is estimated by comparing water level contour maps created for these periods and calculating the volume change from April 2019 to April 2020. Separate estimates of change in groundwater in storage were computed for both the deep aquifer system and for the alluvial aquifer and then summed to represent the total NCMA estimated change in groundwater in storage. Comparison of April water levels was chosen to comply with the

California Department of Water Resources (DWR) reporting requirements under the Sustainable Groundwater Management Act (SGMA).²

A decrease of groundwater in storage is a reflection of a net decrease in water levels across the aquifer. During the period of April 2019 to April 2020, the NCMA portion of the SMGB experienced a net decrease of groundwater in storage. The net decrease in groundwater levels represented a decrease of groundwater in storage from April 2019 to April 2020 of approximately 500 acre-feet (AF); that is, there was approximately 500 AF less groundwater stored in the NCMA portion of the SMGB in April 2020 than in April 2019.

Groundwater Quality

Analytical results of key water quality data (chloride, total dissolved solids [TDS], and sodium) in 2020 were generally consistent with historical concentrations and observed ranges of constituent concentrations. In general, no water quality results were observed that are a cause of concern.

None of the water quality results from monitoring events throughout 2020 indicate an incipient episode or immediate threat of seawater intrusion. Water quality degradation through incipient seawater intrusion occurred in 2009 with measured elevated concentrations of TDS, sodium, and chloride in wells 30N02, 30N03, and MW-Blue, all of which are screened in the Paso Robles Formation. No indications of seawater intrusion have been observed in wells screened in the underlying Careaga Sand. Once TDS, sodium, and chloride concentrations declined in the sentry well groundwater following the 2009–2010 season, the location of the seawater-freshwater interface was unknown, although the interface apparently is and has remained at some distance offshore since the 2009–2010 season.

Water Supply and Production/Deliveries

- Total water use in the NCMA in 2020 (including urban use by the NCMA agencies plus agricultural irrigation and private pumping by rural water users) was 8,577 AF. Of this amount, Lopez Lake deliveries were 4,740 AF, California State Water Project deliveries totaled 737 AF, and groundwater pumping from the NCMA portion of the SMGB accounted for approximately 3,064 AF. This is the lowest groundwater production volume from the SMGB in more than 20 years. The City of Arroyo Grande produced 36 AF from its Pismo Formation wells, outside the SMGB, in 2020. The breakdown is shown in Table ES- 1 (following page).
- Urban water use in 2020 among the NCMA agencies was 6,126 AF, a slight increase from 2019. Urban water use in the past 20 years has ranged from 5,476 AF (2016) to 8,982 AF (2007). Water use generally declined from 2007 to 2016—with only slight increases in the trend in 2012 and 2013—and has only varied slightly since 2016. The decline in pumpage since 2013 was in direct response to a statewide order by the governor to reduce the amount of water used in urban areas by 25 percent. That goal has been achieved locally by conservation activities implemented by the NCMA agencies.
- Agricultural acreage in the NCMA portion of the SMGB has remained relatively constant for more than 20 years. Thus, the annual applied water requirement for agricultural irrigation has been relatively stable, although it varies with weather conditions. Acknowledging the variability resulting from weather conditions, agricultural applied water is not expected to change significantly given the relative stability of applied irrigation acreage and cropping patterns in the NCMA. Changes in rural domestic pumping have not been significant.

2 On September 16, 2014, Governor Jerry Brown signed into law a three-bill legislative package, composed of Assembly Bill 1739 (Dickinson), Senate Bill (SB) 1168 (Pavley), and SB 1319 (Pavley), collectively known as the Sustainable Groundwater Management Act (SGMA).

Table ES- 1. Water Production by Source (AF), 2020

Agency	Lopez Lake	State Water Project	SMGB Groundwater	Other Supplies ¹	Total
Urban Area					
Arroyo Grande	2,242	0	39	36	2,317
Grover Beach	789	0	500	0	1,289
Pismo Beach	1045	677	55	0	1,777
Oceano CSD	664	60	19	0	743
Urban Water Use Total	4,740	737	613	36	6,126
Non-Urban Area					
Agricultural Irrigation Applied Water	0	0	2,308	0	2,308
Rural Water Users	0	0	82	0	82
Non-potable Irrigation by Arroyo Grande	0	0	61	0	61
Total	4,740	737	3,064	36	8,577

Notes

¹ Other Supplies includes groundwater pumped from outside the NCMA boundaries.

AF = acre-feet CSD = Community Services District SMGB = Santa Maria Groundwater Basin

Threats to Water Supply

- Total groundwater pumping (urban, agriculture, and rural domestic) from the SMGB in the NCMA was 3,064 AF in 2020, which is 32 percent of the court-accepted³ 9,500 acre-feet per year (AFY) long-term safe yield of the NCMA portion of the SMGB.
- When pumping is less than the safe yield of an aquifer, groundwater in storage should generally increase and result in rising groundwater levels. As such, groundwater elevations throughout the NCMA portion of the SMGB should rise significantly if several consecutive years of groundwater pumping occurs at 30 to 40 percent of the safe yield, which has been the case in the NCMA for the past decade. However, as illustrated by the slight decline in groundwater levels during 2020, the data show that the aquifer is still in a tenuous position with respect to the threat of seawater intrusion. The fragile health of the aquifer is illustrated by water elevations at just a few feet above sea level, coupled with the formation of a pumping depression in the alluvial aquifer within the Cienega Valley just west of the NCMA/NMMA boundary. According to the DWR Bulletin 63-3 report, both the Paso Robles Formation aquifer and the lower confined portion of the Cienega Valley alluvial aquifer are recharged primarily from subsurface groundwater inflow from the east, where the overlying confining layers are thin to non-existent (DWR, 1970). These recharge areas to the east include inland reaches of Arroyo Grande Valley and portions of Nipomo Mesa (DWR, 1970). The data indicate that the aquifer has little ability to withstand future droughts. Any increase in

³ The calculated, consensus safe yield value of 9,500 AFY for the NCMA portion of the SMGB was included in the 2002 Settlement Agreement through affirmation of the 2001 Groundwater Management Agreement among the NCMA agencies, which is described in more detail in Section 1.1 of this report.

regional pumping, or any other changes that reduce recharge from the east (Nipomo Mesa) will leave the NCMA with a serious groundwater deficit that threatens seawater intrusion.

- Historically, groundwater flowed from higher elevations inland westward towards the ocean, thereby acting to prevent seawater intrusion. In recent years, the well-documented pumping depression⁴ in the deep aquifer system near Black Lake Canyon within the NMMA appears to have reversed the groundwater gradient. The apparent development of a landward gradient in the southern portion of the NCMA, because of the pumping depression in the NMMA, likely reduces the historical recharge volume of subsurface inflow into the NCMA from Nipomo Mesa. This reduction of subsurface inflow to the NCMA creates conditions more likely to result in seawater intrusion in the NCMA and NMMA.
- During 2020, there were no indications of seawater intrusion but any increase of groundwater pumping or decrease in rainfall may quickly result in a greater risk of seawater intrusion.

⁴ As documented in NMMA annual reports, available at <https://ncsd.ca.gov/resources/reports-by-subject>. (Accessed March 9, 2021.)

This page intentionally left blank for duplex printing.

SECTION 1: Introduction

This Northern Cities Management Area 2020 Annual Monitoring Report (2020 Annual Report or Annual Report) summarizes hydrologic conditions for calendar year 2020 in the Northern Cities Management Area (NCMA) of the Santa Maria River Valley Groundwater Basin (SMGB or the basin) in San Luis Obispo County (County), California (Figure 1). This report was prepared on behalf of four public agencies collectively referred to as the Northern Cities, which include the City of Arroyo Grande (Arroyo Grande), City of Grover Beach (Grover Beach), City of Pismo Beach (Pismo Beach), and the Oceano Community Services District (OCS; Oceano CSD)^{5,6} (Figure 2). These agencies, along with local landowners, the County, and the County of San Luis Obispo Flood Control and Water Conservation District (SLOFCWCD) have managed local surface water and groundwater resources since the late 1970s to preserve the long-term integrity of water supplies.

1.1 History of Litigation

The rights to pump groundwater from the SMGB have been in litigation (adjudication) since the late 1990s. The physical solution set forth in the 2005 Stipulation for the Santa Maria Groundwater Basin Adjudication (2005 Stipulation) and the January 25, 2008, Judgment After Trial (2008 Judgment)⁷ established requirements and goals for the management of the entire SMGB. The Superior Court of California, County of Santa Clara (Court) established three separate management areas, including the NCMA, the Nipomo Mesa Management Area (NMMA), and the Santa Maria Valley Management Area (SMVMA). The Court mandated that each management area form a technical group to monitor the groundwater conditions of its area, to continuously assess the hydrologic conditions of each area, and to prepare an annual report each year to provide the Court with a summary of the previous year's conditions, actions, and threats.

The requirements for the annual report, as directed by the Court in the 2005 Stipulation (June 30, 2005, version, paragraph IV.D.3), are as follows:

Within one hundred and twenty days after each Year end, the Management Area Engineers will file an Annual Report with the Court. The Annual Report will summarize the results of the Monitoring Program, changes in groundwater supplies, and any threats to Groundwater supplies. The Annual Report shall also include a tabulation of Management Area water use, including Imported Water availability and use, Return Flow entitlement and use, other Developed Water availability and use, and Groundwater use. Any Stipulating Party may object to the Monitoring Program, the reported results, or the Annual Report by motion.

This 2020 Annual Report satisfies the requirements of the Court. The annual report for each calendar year (January 1 to December 31) is submitted to the Court by April 30 of the following calendar year, pursuant to the 2005 Stipulation. As a result of legislation passed by the State of California related to the Sustainable Groundwater Management Act (SGMA) that requires submittal of annual reports and supporting information and data for each adjudicated groundwater basin by April 1 of each year, the 2020 Annual Report is also published to the California Department of Water Resources (DWR) adjudicated basin reporting website.⁸

⁵ Each agency may also be individually referred to as an NCMA agency.

⁶ Portions of Arroyo Grande and Pismo Beach extend outside the NCMA.

⁷ Santa Maria Valley Water Conservation District v. City of Santa Maria, et al., Case #1-97-CV-770214 Filing #G-79046. (Cal., 2015).

⁸ The link to the reporting system is available on this DWR page: <https://water.ca.gov/Programs/Groundwater-Management/SGMA-Groundwater-Management/Adjudicated-Areas>.

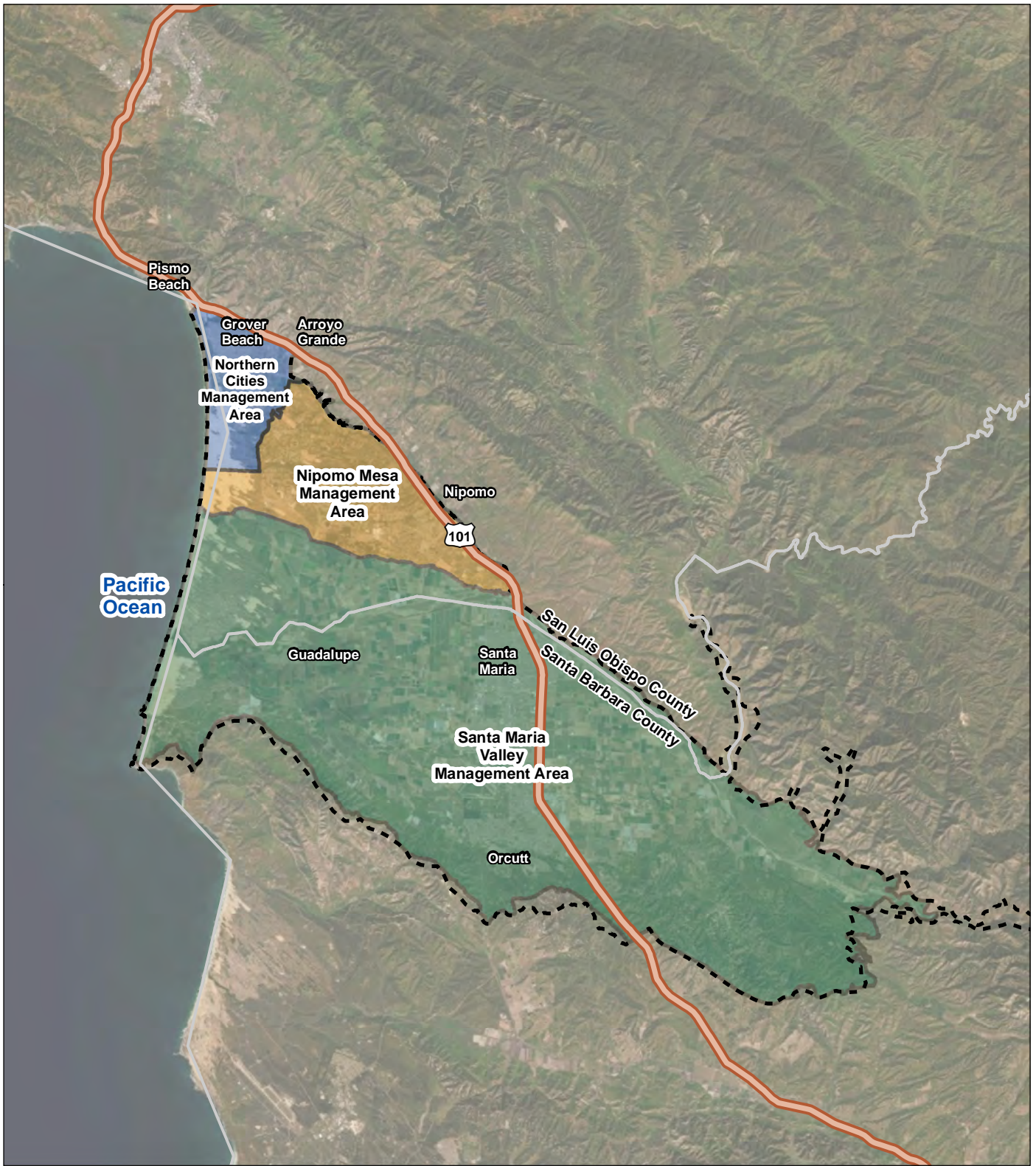
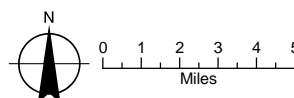


FIGURE 1

Santa Maria Groundwater Basin
 Northern Cities Management Area
 San Luis Obispo County, California

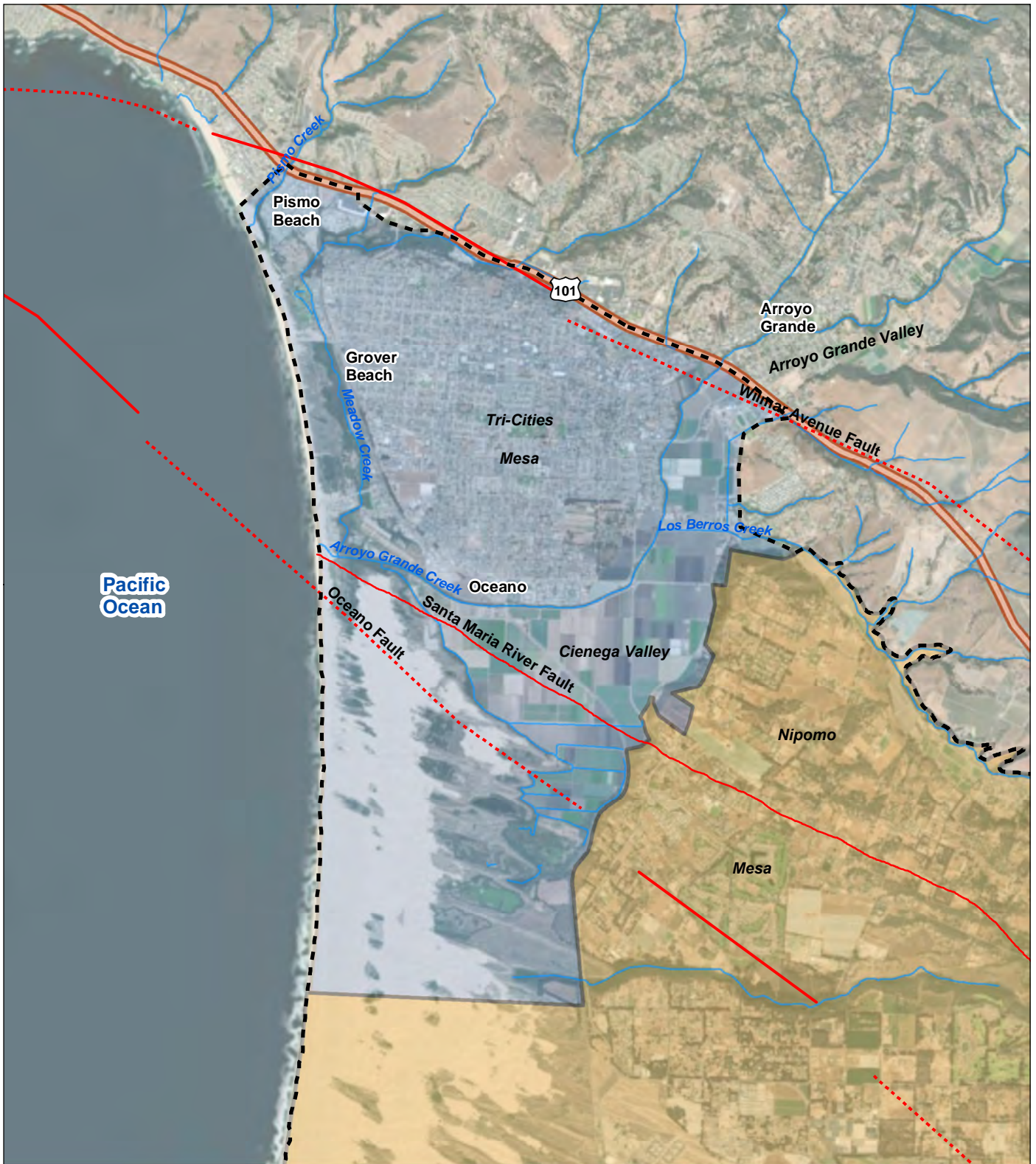
LEGEND

- Northern Cities Management Area
- Nipomo Mesa Management Area
- Santa Maria Valley Management Area
- Santa Maria Groundwater Basin (DWR, 2019)
- County Borders



Date: January 28, 2020
 Data Sources: DWR, NCMA, ESRI

Document Path: Y:\0672_Northern_Cities_Management_Area\Source_Figures\006_2019_Annual_Report\Annual_Report\Figure01_Santa_Maria_Groundwater_Basin.mxd



LEGEND

- Northern Cities Management Area
- Nipomo Mesa Management Area
- Santa Maria Groundwater Basin (DWR, 2019)
- Faults (dashed where inferred)
- Streams

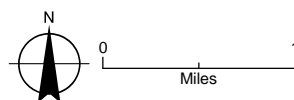


FIGURE 2

Northern Cities Management Area
San Luis Obispo County, California



Date: February 26, 2020
Data Sources: DWR, NCMA, USGS, California Geological Survey, ESRI

Document Path: Y:\nonGIS\0672_Northern_Cities_Management_Area\Source_Figures\006_2019_Annual_Report\Annual_Report\Figure02_Northern_Cities_ManagementArea.mxd

The collaborative water supply management approach of the NCMA agencies was recognized by the Court in the 2001 Groundwater Management Agreement (which was based on the 1983 Gentlemen’s Agreement), formalized in the Settlement Agreement Between Northern Cities, Northern Cities Landowners, and Other Parties (2002 Settlement Agreement or Settlement Agreement) and incorporated in the 2005 Stipulation. On June 30, 2005, the 2005 Stipulation, which included the 2002 Settlement Agreement, was agreed upon by numerous parties, including the NCMA agencies. The approach then was adopted by the Court in its 2008 Judgment. Although appeals to that decision were filed, a subsequent decision by the Sixth Appellate District (filed November 21, 2012) upheld the Judgment. On February 13, 2013, the Supreme Court of California denied a petition to review the decision.

Pursuant to the Court’s continuing jurisdiction, Arroyo Grande, Pismo Beach, and Grover Beach filed a motion on September 29, 2015, requesting that the Court impose moratoriums on certain water extraction and use by stipulating parties within the NMMA. Judge Kirwan denied the motion without prejudice. He did, however, order the parties to meet and confer to address the issues raised in the motion. The meet and confer process continued throughout 2020 through submittal of several motions and continuation of the case management conference process. The order by the Court precipitated a series of meetings and collaborative actions between the NCMA and NMMA agencies, including the tentative formation of a Seawater Intrusion Working Group to discuss the threat and potential solutions for possible seawater intrusion.

1.2 Description of the NCMA Technical Group

Pursuant to a requirement in the 2005 Stipulation, the NCMA Technical Group (TG) was formed (Paragraph IV.C and Paragraph VII). The TG is composed of representatives of each of the NCMA agencies, as listed in Table 1.

Table 1. NCMA TG Representatives

Agency	Representative
City of Arroyo Grande	Bill Robeson Public Works Director
	Shane Taylor Utilities Manager
City of Grover Beach	Gregory A. Ray, PE Director of Public Works/City Engineer
	R.J. (Jim) Garing, PE Consulting City Engineer for Water and Sewer
City of Pismo Beach	Benjamin A. Fine, PE Director of Public Works/City Engineer
Oceano CSD	Will Clemens General Manager
	Tony Marracino Utility Systems Supervisor

Notes

CSD = Community Services District PE = Professional Engineer

The NCMA TG contracts with Water Systems Consulting, Inc. (WSC), to serve as staff extension to assist the TG in its roles and responsibilities in managing the water supply resources. The TG also contracts with GSI Water Solutions, Inc., and its subconsulting partner, GEI Consultants, Inc., to conduct the quarterly groundwater monitoring and sampling tasks, evaluate water demand and available supply, identify threats to water supply, and assist the TG in preparation of the annual report.

1.3 NCMA TG Mission Statement

The NCMA TG developed the following mission statement to help guide ongoing initiatives and to capture the requirements outlined in the 2001 Groundwater Management Agreement, 2002 Settlement Agreement, 2005 Stipulation, and 2008 Judgment:

Preserve and enhance the *sustainability* of water supplies *for* the Northern Cities Area by:

- Enhancing supply *reliability*
- Protecting water *quality*
- Maintaining *cost-effective* water supplies
- Advancing the legacy of *cooperative* water resources management
- Promoting *conjunctive use*

1.4 Coordination with Management Areas

Since 1983, management of the NCMA has been based on cooperative efforts of the four NCMA agencies in continuing collaboration with the County, SLOFCWCD, and other local and state agencies. Specifically, the NCMA agencies have jointly monitored and managed their groundwater production and, in cooperation with the SLOFCWCD, invested in surface water supplies to reduce dependence on groundwater pumping and protect the groundwater resource. In addition to the efforts discussed in this 2020 Annual Report, cooperative management occurs through many means, including communication by the NCMA agencies in their respective public meetings, participation in the SLOFCWCD Zone 3⁹ Advisory Committee (related to the management and operation of Lopez Lake, which is described further in Section 4.1.1), and participation in the Water Resources Advisory Council (WRAC, the County-wide advisory panel on water issues). The NCMA agencies are active participants in current and ongoing integrated regional water management efforts and participated in preparation and adoption of the 2014 update of the San Luis Obispo County Integrated Regional Water Management Plan (IRWMP). The IRWMP promotes integrated regional water management to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agriculture, and a strong economy.

Since the 2008 Judgment, the NCMA TG has taken the lead in cooperative management of its management area. The NCMA TG has met monthly (at a minimum) for many years and continued to do so throughout 2020. Based on the threat of COVID-19,¹⁰ as reflected in the Proclamations of Emergency issued by the Governor of the State of California, all TG meetings after March 17, 2020, were conducted as a phone-in/web-based format. The TG also participates in the Santa Maria Groundwater Basin Management Area (SMGBMA) technical subcommittee, formed in 2009; however, no meetings of the SMGBMA were held in 2020. The purpose of the SMGBMA technical subcommittee is to coordinate efforts among the three management areas (NCMA, NMMA, SMVMA) such as sharing data throughout the year and during preparation of the annual report,

⁹ Flood Control Zone 3 (Lopez Project) is operated by SLOFCWCD to operate Lopez Reservoir for municipal and agricultural water supplies. It was established to operate the Lopez water supply system and is a wholesale supplier. The contractors in Zone 3 include the communities of Oceano, Grover Beach, Pismo Beach, Arroyo Grande, and County Service Area 12 (including the Avila Beach area).

¹⁰ The abbreviation for coronavirus disease 2019.

reviewing and commenting on technical work efforts of other management areas, standardizing monitoring protocols, considering projects and grant opportunities of joint interest and benefit, and sharing information and data among the managers of the three management areas.

The outcomes of the motion that Arroyo Grande, Pismo Beach, and Grover Beach filed on September 29, 2015, include increased discussion and collaboration between the NCMA and NMMA. One of the initiatives was the formation of an NCMA-NMMA Management Coordination Committee that has met several times since 2018 to discuss items of mutual concern and develop strategies for addressing the concerns. Another area of increased mutual collaboration between the NCMA and NMMA was the formation in 2016 of a technical team to collaboratively develop a single data set of water level data points as part of preparing a consistent set of semiannual water level contour maps for the NCMA and NMMA. Those efforts continued into and throughout 2020 and resulted in the development of consistent water level contouring (and enhanced understanding of groundwater conditions) throughout the NCMA and NMMA.

1.5 Development of Monitoring Program

The 2008 Judgment orders the stipulating parties to comply with all terms of the 2005 Stipulation. As specified in the Judgment and as outlined in the *Monitoring Program for the Northern Cities Management Area* (Todd Groundwater, Inc. [Todd], 2008) (NCMA Monitoring Program), the NCMA agencies are to conduct groundwater monitoring of wells in the NCMA. In accordance with requirements of the Judgment, the NCMA agencies collect and analyze data pertinent to water supply and demand, including the following:

- Land and water use in the NCMA portion of the SMGB
- Sources of supply to meet those uses
- Groundwater conditions (including water levels and water quality)
- Amount and disposition of other sources of water supply in the NCMA

The NCMA Monitoring Program requires that the NCMA agencies gather and compile pertinent information on a calendar-year basis; this is accomplished through data collected by NCMA agencies (including necessary field work), the SLOFCWCD, and by other public agencies. Periodic reports, such as Urban Water Management Plans (UWMPs) prepared by Arroyo Grande, Grover Beach, and Pismo Beach, provide information about demand, supply, and water supply facilities. Annual data are added to the comprehensive NCMA database and analyzed. Results of the data compilation and analysis for 2020 are documented and discussed in this 2020 Annual Report.

As shown in Figure 1, the NCMA represents the northernmost portion of the SMGB as defined in the 2005 Stipulation. Adjoining the NCMA to the south and east is the NMMA; the SMVMA encompasses the remainder of the SMGB. Figure 2 shows the locations of the four NCMA agencies in the NCMA.

1.6 Groundwater Monitoring Network

The NCMA Monitoring Program includes (1) compilation of groundwater elevation data from the County, (2) water quality and groundwater elevation monitoring data from the network of sentry and monitoring wells in the NCMA, (3) water quality data from the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW), and (4) groundwater elevation data from municipal pumping wells. Analysis of these data is summarized below in accordance with the NCMA Monitoring Program (Todd, 2008) and as modified as additional well data and data sources have become available over the years.

Approximately 150 wells within the NCMA were monitored for water levels by the County at some time during the past few decades. The County currently monitors the water level in 50 wells within the NCMA on a

semiannual basis in April and October. The County monitoring program includes four sentry well clusters (piezometers) along the coast, a four-well cluster in Oceano, and County Monitoring Well No. 3 (12N/35W-32C03) (County Monitoring Well No. 3 [32C03]) located on the eastern NCMA boundary between the NCMA and NMMA (Figure 3). The County monitors more than 125 additional wells in the NMMA portion of the SMGB within the County. Beginning in 2009, the NCMA agencies initiated a quarterly sentry well monitoring program to supplement the County's semiannual schedule.

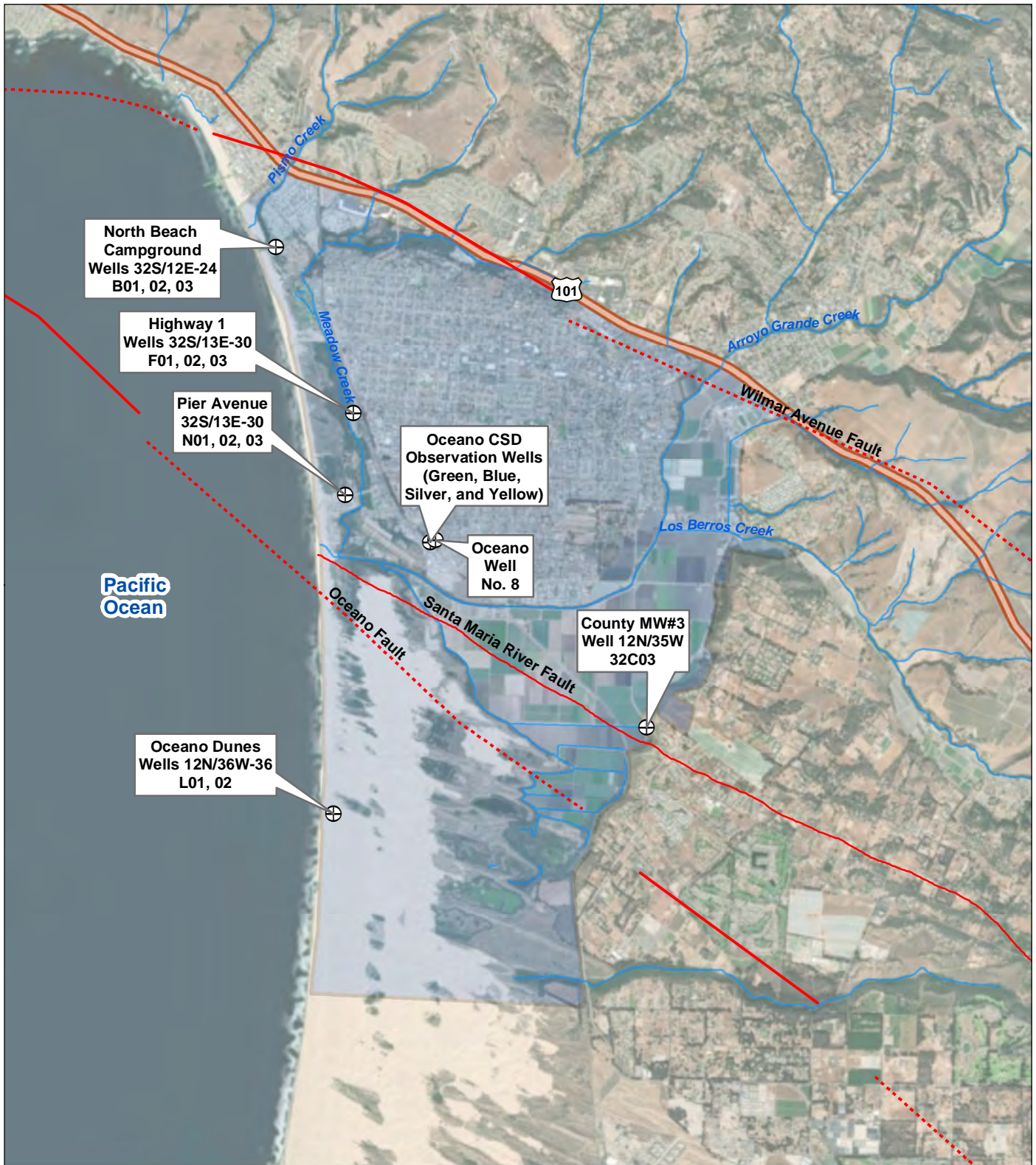
To monitor overall changes in groundwater conditions, representative wells within the NCMA were selected for preparation of hydrographs and evaluation of water level changes. Wells were selected based on the following criteria:

- The wells must be part of the County's current monitoring program or part of a public agency's regular monitoring program.
- Detailed location information must be available.
- Construction details of the wells must be available.
- The locations of the wells should have a wide geographic distribution.
- The historical record of water level data must be long and relatively complete.

Many of the wells that have been used in the program are production wells that were not designed for monitoring purposes (i.e., the wells are screened across various production zones). Moreover, many of the wells are active production wells or are located near active wells and are therefore potentially subject to localized pumping effects that result in measurements that are lower than the regionally representative water level. These effects are not always apparent at the time of measurement and data cannot easily be identified as representing static groundwater levels in specific zones (e.g., unconfined or deep confined to semi-confined). Therefore, data should be considered as a whole in developing a general representation of groundwater conditions.

The "sentry" wells (32S/12E-24Bxx, 32S/13E-30Fxx, 32S/13E-30Nxx, and 12N/36W-36Lxx) are a critical element of the groundwater monitoring network and are designed to provide an early warning system to identify potential seawater intrusion in the aquifer (Figure 3). Each sentry well consists of a cluster of multiple wells that allows for the measurement of groundwater elevation and quality from discrete depths. Also shown in Figure 3 is the OCSD observation well cluster, a dedicated monitoring well cluster located just seaward of OCSD production wells 7 and 8, and County Monitoring Well No. 3 (32C03). Figure 4 shows the depth and well names of the sentry well clusters, the OCSD observation well cluster, and County Monitoring Well No. 3 (32C03).

Traditionally, the wells were divided into three basic depth categories including shallow, intermediate, and deep to describe the relative depths of each monitoring well within the cluster. The basic depth categories do not necessarily describe the geologic unit and relative depth of the unit that the screened portion of the well monitors. It is important, however, to recognize and identify the geologic unit that each well monitors. The water level responses and water quality changes are quite different in wells that monitor the shallow alluvial unit (24B01, 30F01, and 30N01), the Paso Robles Formation (24B02, 30F02, 30N02, 30N03, 36L01, OCSD MW-Green, OCSD MW-Blue, and 32C03), and the deeper Careaga Sand (24B03, 30F03, 36L02, OCSD MW-Silver, and OCSD MW-Yellow). The significance of this level of differentiation will be studied more extensively in the future.



LEGEND

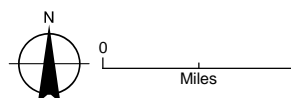
- ⊕ NCMA Monitoring Wells
- Northern Cities Management Area
- Faults (dashed where inferred)
- Streams

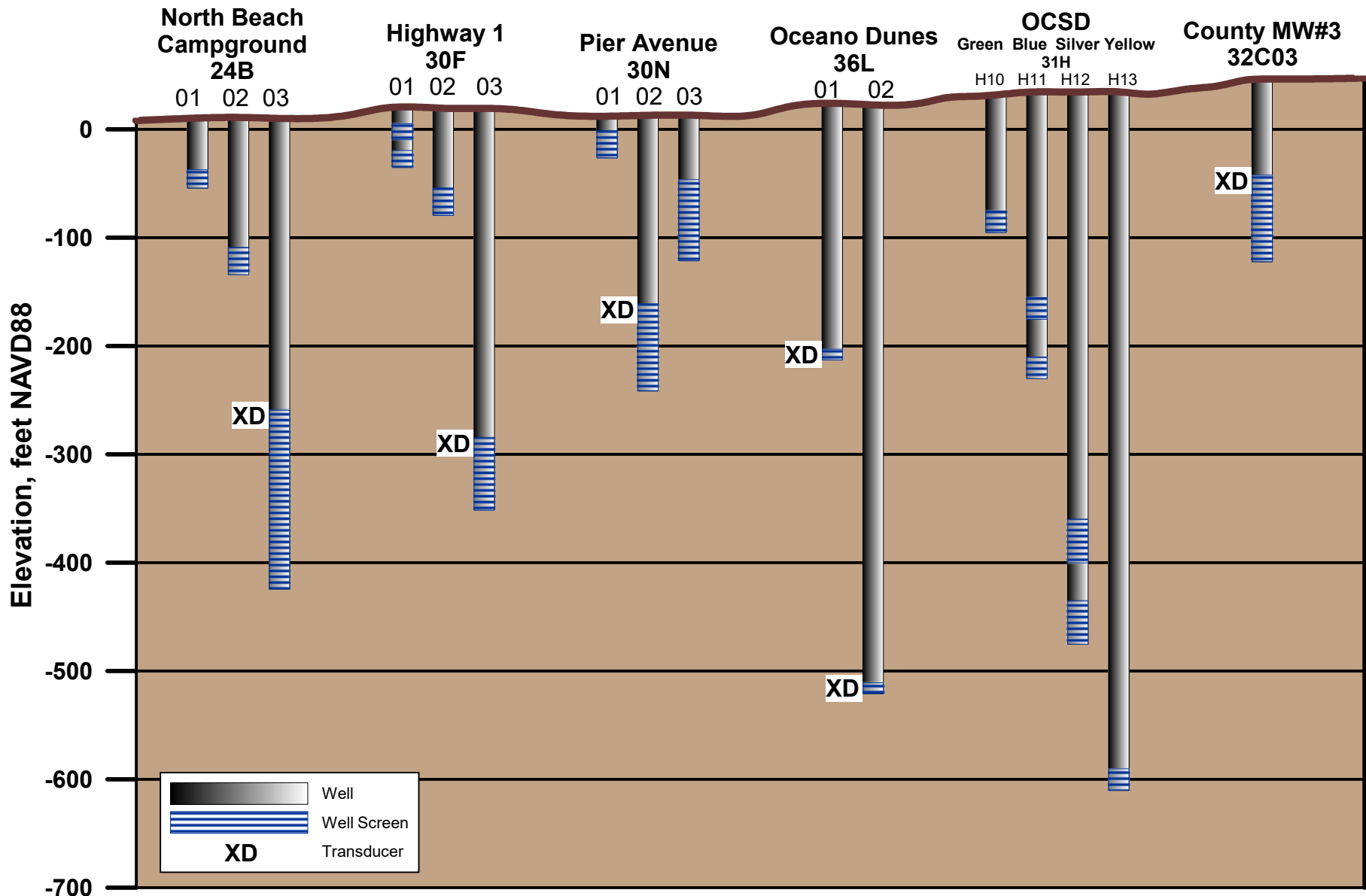
FIGURE 3

Locations of Monitoring Wells
Northern Cities Management Area
San Luis Obispo County, California

Notes:
CSD - Community Services District

Date: February 26, 2020
Data Sources: NCMA, USGS, California Geological Survey, ESRI





P:\Portland\672-Northern Cities Management Area\005-2018 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 7 NCMA Depths of Monitoring Wells.grf

FIGURE 4. DEPTHS OF MONITORING WELLS
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 NAVD88 - North American Vertical Datum of 1988
 OCSD - Oceano Community Services District



Since the sentry well monitoring program began in 2009, 49 monitoring events have been conducted. These monitoring events include collection of synoptic groundwater elevation data and water quality samples for laboratory analysis.

1.7 Recent and Ongoing Strategic Initiatives

1.7.1 Strategic Plan

An NCMA Strategic Plan was first developed in 2014 to provide the NCMA TG with a mission statement to guide future initiatives, provide a framework for identifying and communicating water resource planning goals and objectives, and formalize a 10-year work plan for implementation of those efforts. Several key objectives were identified related to enhancing water supply reliability, improving water resource management, and increasing effective public outreach. Implementation of these efforts continued throughout 2020.

Work began in 2019 to update the 2014 NCMA Strategic Plan (Strategic Plan). The Strategic Plan was developed over a series of strategic planning sessions and NCMA TG meetings and culminated with the publication of the Strategic Plan for the NCMA TG in March 2020.

Several key strategies were identified by the TG for improving the sustainability of the water resource. Strategic initiatives were then developed for each key strategy. The TG then developed an implementation plan for the key strategies that includes current, short-term, and long-term time frames for initiatives that could be completed within 1 year, 5 years, and more than 5 years.

A more detailed description of the Strategic Plan is provided in Section 7.1.

1.7.2 Central Coast Blue

Central Coast Blue is a regional recycled water project in the planning and design phase that will develop a sustainable water supply and help protect the SMGB. The project consists of advanced treatment of water from the Pismo Beach wastewater treatment plant (WWTP) in Phase I and the South San Luis Obispo County Sanitation District (SSLOCSD) WWTP in Phase II (should it be deemed feasible and necessary) and injection of the purified effluent into the SMGB to reduce the risk of seawater intrusion and improve water supply sustainability for the region. Currently the water from both wastewater treatment plants is being treated and discharged to the ocean. Central Coast Blue will provide an opportunity to capture this lost water and use it to recharge the SMGB to create a drought-proof, sustainable water supply for the community by not only increasing the volume accessible in the aquifer but by creating a barrier to prevent landward migration of seawater. Tasks related to the development of the project that were performed prior to and throughout 2020 include feasibility study analysis, preliminary design, pilot plant development and operation, funding appropriation, cost/benefit sharing analysis, groundwater modeling (see Section 1.7.3), airborne geophysics investigation, and environmental review.

The intent of Central Coast Blue is to enable Pismo Beach and partnering NCMA agencies to construct an advanced treatment facility (ATF) to produce advanced purified water (APW) to augment its water supply through injection to recharge the aquifer and develop a seawater intrusion barrier to improve water supply reliability for the area. In addition to the ATF—which will include microfiltration/ultrafiltration, reverse osmosis, and ultraviolet disinfection with advanced oxidation treatment processes—the project will include construction of conveyance pipelines as well as injection and monitoring wells to inject and monitor the APW in the groundwater basin.

1.7.3 Phase 1B Groundwater Model

As part of Central Coast Blue planning and technical studies, a localized groundwater flow model (the Phase 1A model) was developed for the northern portion of the NCMA. The Phase 1A model evaluated the concept of injecting APW into the SMGB to increase aquifer recharge, improve water supply reliability, and help prevent future occurrences of seawater intrusion. Based on the results of the Phase 1A model and through funding by the SSLOCSD Supplemental Environmental Program, work was initiated in 2017 and continued through 2018, 2019, and into 2020 for development of the Phase 1B groundwater flow model (Geoscience Support Services, 2019). The domain of the Phase 1B model covers the entire NCMA, NMMA, and the portion of the SMVMA north of the Santa Maria River.

The purpose of the Phase 1B model was to expand the Phase 1A model and use the expanded model to evaluate a series of groundwater injection and extraction scenarios to further support Central Coast Blue. The model has now been used to (1) more completely understand the groundwater conditions of the NCMA portion of the SMGB, (2) understand the groundwater flow dynamics and components of the groundwater water balance of the aquifer, (3) identify the locations of the proposed injection wells, (4) quantify the amount of water that can be injected, (5) evaluate strategies for preventing seawater intrusion, and (6) develop estimates of the overall yield that the Central Coast Blue stakeholders will be able to receive from the project.

1.7.4 Airborne Electromagnetic Survey

In 2020, the City of Pismo Beach, through funding from the Proposition 1 Planning Grant Activities, contracted with Ramboll US Consulting, Inc., and SkyTEM Surveys to conduct airborne electromagnetic survey of a large portion of the NCMA portion of the SMGB utilizing the aerial electromagnetic method (AEM). The goal of the study is to acquire survey data to characterize and map subsurface geologic structures, define the variability of the resistivities found in the coastal zone, and gain an understanding of the offshore interface between the fresh and saline groundwater.

The SkyTEM airborne survey was flown in March 2020. Throughout 2020, the acquired data were compiled and analyzed. The final report, which summarizes the airborne survey results and provides interpretation of the data, was delivered in December 2020. The results of the study will enhance the understanding of groundwater flow within the SMGB, the interconnectedness of different parts of the basin, the geologic framework that controls groundwater flow, and the nature of the seawater-fresh water interface.

This page intentionally left blank for duplex printing.

SECTION 2: Basin Setting

2.1 Setting

The Tri-Cities Mesa¹¹ in the northern portion of the NCMA is predominantly urban (residential/commercial). The Cienega Valley, a low-lying coastal stream and valley regime, is the area south of Arroyo Grande Creek in the central part of the area and is predominantly agricultural. The southern and southwestern portions of the area are composed of beach dunes and small lakes primarily managed by California Department of Parks and Recreation as a recreational area and a sensitive species habitat.

2.2 Precipitation

Each year, climatological and hydrologic (stream flow) data for the NCMA are added to the NCMA database. Annual precipitation from 1950 to 2020 is presented in Figure 5.

Historical rainfall data are compiled on a monthly basis for the following two stations:¹²

- DWR California Irrigation Management Information System (CIMIS) Nipomo Station (No. 202) (Nipomo station) for 2006 to present
- San Luis Obispo County-operated rain gauge (No. SLO 795) in Oceano for 2000 to present

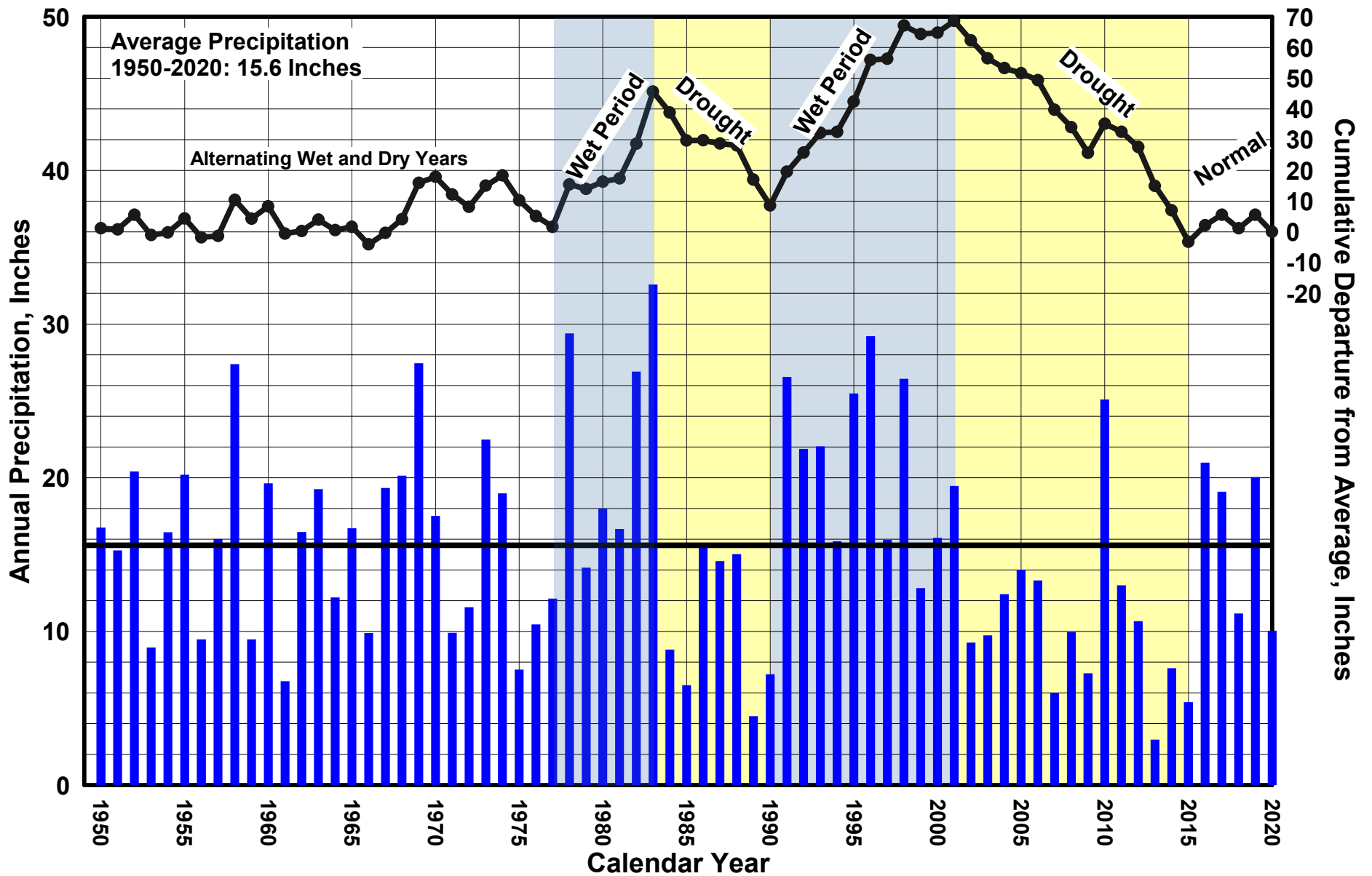
The locations of the two stations are shown in Figure 6. In recent years, it was noted that the CIMIS Nipomo station may have been recording irrigation overspray as precipitation and the precipitation data from the station may not be reliable. However, the evapotranspiration data are still considered reliable. For this reason and because the DRI station was discontinued in 2017, the County-operated gauge (No. SLO 795) is the sole source of precipitation data used in this 2020 Annual Report. Figure 5 is a composite graph combining data from the DRI and County stations and illustrating annual rainfall totals from available data from 1950 through 2020 (on a calendar-year basis). Average annual rainfall for the NCMA is approximately 15.6 inches.

Monthly rainfall and evapotranspiration (ET) for 2020 as well as average monthly historical rainfall and ET are presented in Figure 7. During 2020, below-average rainfall occurred for 10 months and above-average rainfall occurred during the other 2 months. The total for the year was 10.0 inches, more than 5 inches below the average annual rainfall for the area.

Figure 5 illustrates annual rainfall and shows several multi-year drought cycles (e.g., 6 years, 1984 through 1990) followed by cycles of above-average rainfall (e.g., 7 years, 1991 through 1998). Except for 2010, the period 2007 through 2015 (8 years) experienced below-average annual rainfall indicating a dry hydrologic period. This pattern continued into late 2016, when the hydrologic pattern appeared to have broken the serious drought that the area (and state) had experienced for the previous 5 years. Annual rainfall totals since 2016 have shown normal fluctuations between wet and dry years, as illustrated in Figure 5.

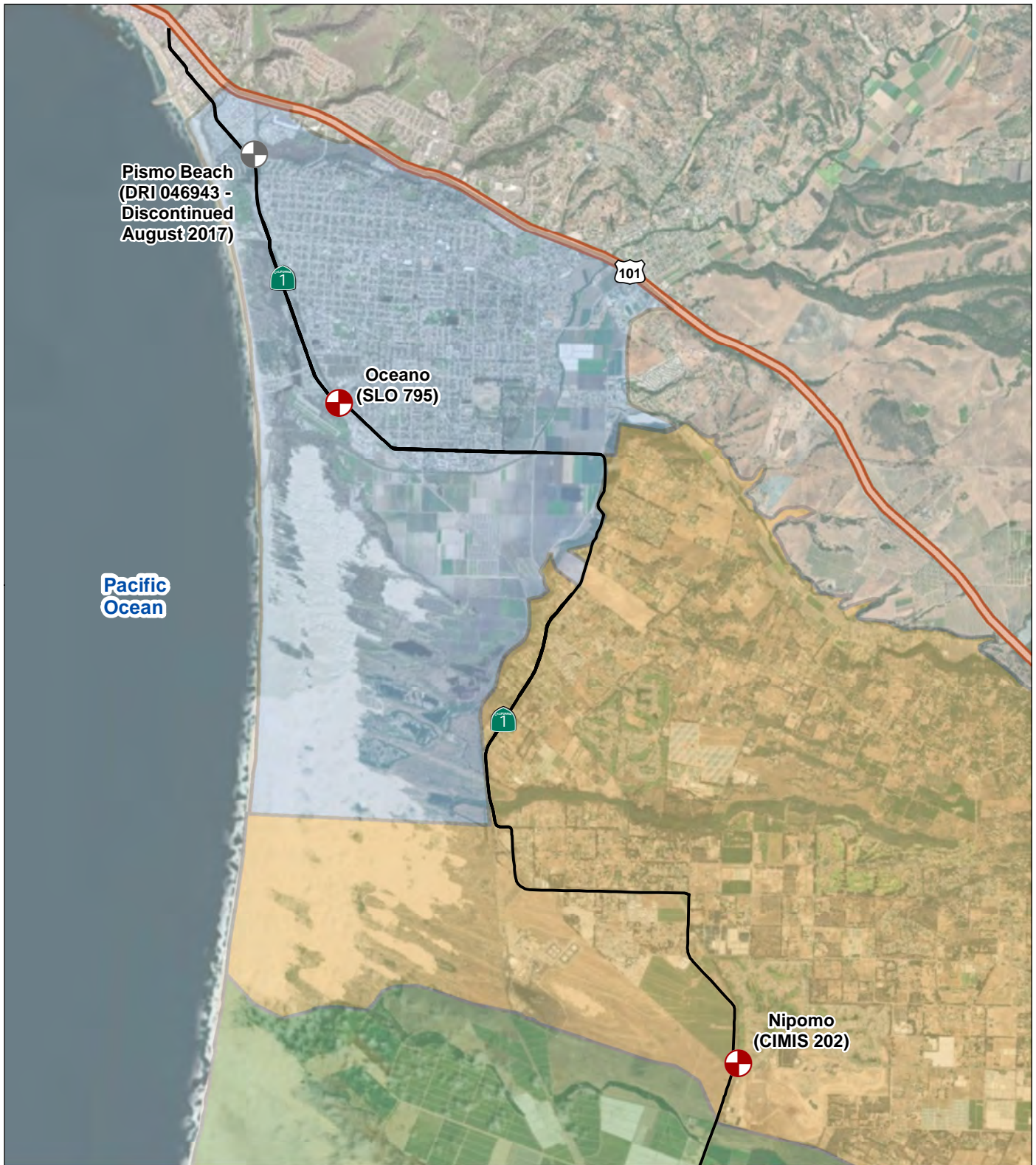
¹¹ Tri-Cities Mesa is an upland physiographic feature covering approximately four square miles. It is a remnant of the deposition that was laid down, historically, by Pismo and Arroyo Grande Creeks. Older sand dunes now cover the area (DWR, 1970).

¹² The Desert Research Institute (DRI) Western Regional Climate Center Pismo Station (Coop ID: 046943) was discontinued in August of 2017.



P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 5 NCMA Precip 1950 - present Shaded.grf

FIGURE 5. ANNUAL PRECIPITATION 1950 TO 2020
 Northern Cities Management Area
 San Luis Obispo County, California








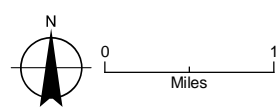
- LEGEND**
-  Active Weather Station
 -  Inactive Weather Station
 -  Nipomo Mesa Management Area
 -  Northern Cities Management Area
 -  Santa Maria Valley Management Area

FIGURE 6
Location of Precipitation Stations
 Northern Cities Management Area
 San Luis Obispo County, California



Date: January 16, 2019
 Data Sources: NCMA, SLO County, DRI, CIMIS, ESRI

Document Path: Y:\0672_Northern_Cities_Management_Area\Source_Figures\005_2018_Annual_Report\Figure_4_NCMA_Precipitation_Station_Locations.mxd



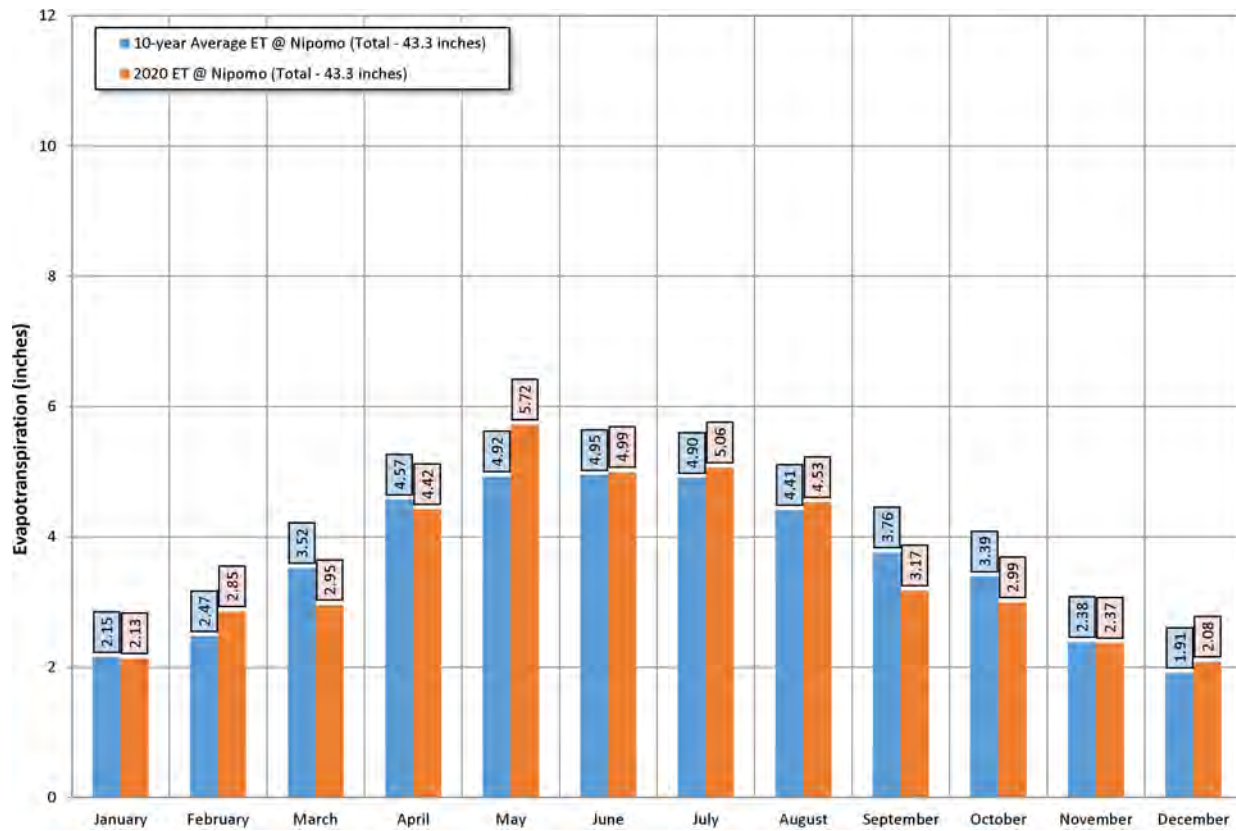
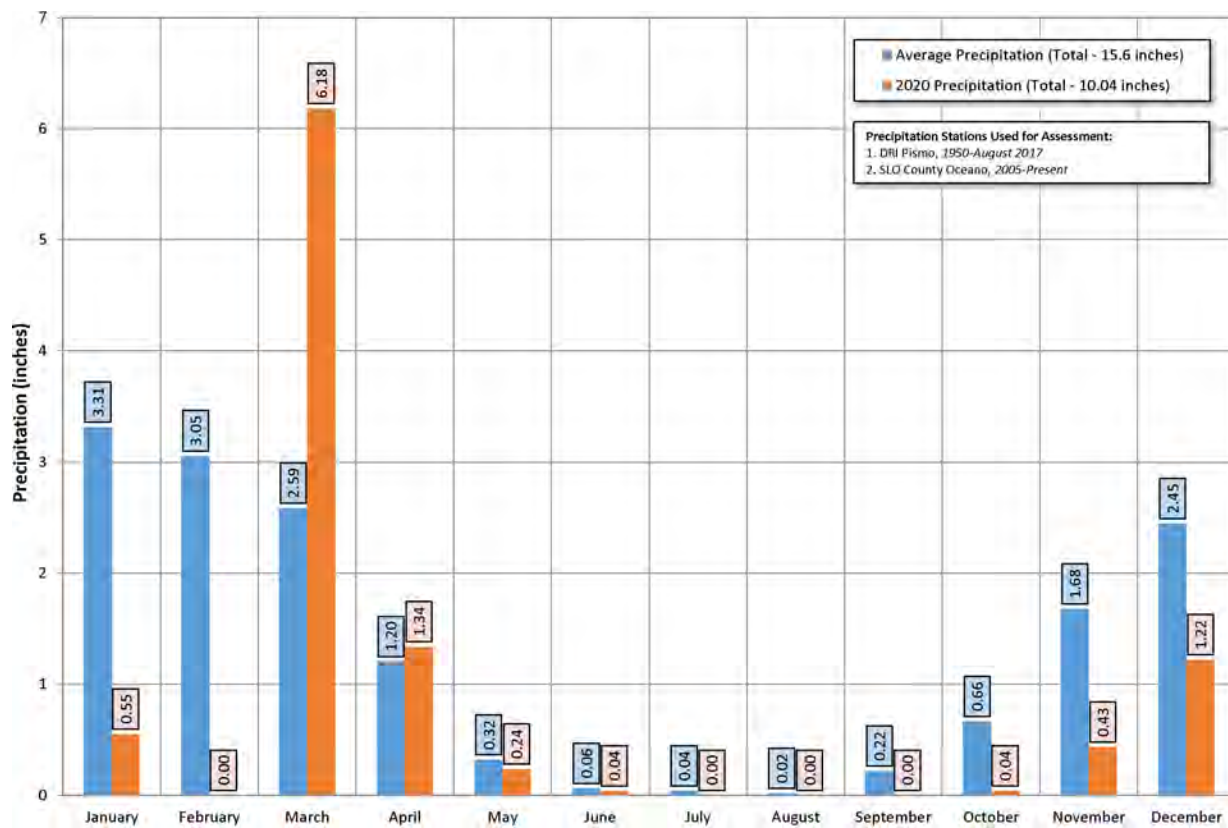


FIGURE 7. MONTHLY AND AVERAGE PRECIPITATION AND EVAPOTRANSPIRATION
 Northern Cities Management Area
 San Luis Obispo County, California

2.3 Evapotranspiration

CIMIS maintains weather stations in locations throughout the state to provide real-time wind speed, humidity, and evapotranspiration data. The nearest CIMIS station to the NCMA is the Nipomo station (see Figure 6). The Nipomo station has gathered data since 2006. While this station may have been subject to irrigation overspray in recent years (noted in Section 2.2, Precipitation, above), the apparent irrigation overspray does not have a significant impact on the measurements used for calculating ET. The monthly ET data for the Nipomo station is shown in Figure 7 for 2020 and average conditions (over 10 years). The ET rate affects recharge potential of rainfall and the amount of outdoor water use (irrigation).

2.4 Geology and Hydrogeology

The current understanding of the geologic framework and hydrogeologic setting is based on numerous previous investigations, particularly Woodring and Bramlette (1950), Worts (1951), Miller and Evenson (1966), DWR (1970, 1979, and 2002), and Fugro (2015).

The NCMA overlies the northwest portion of the SMGB. There are two principal aquifers in the NCMA portion of the SMGB. Groundwater pumped from the sedimentary deposits that make up the main municipal production aquifer underlying the NCMA is derived from the Paso Robles Formation¹³ and the underlying Careaga Sand.¹⁴ The Paso Robles Formation and Careaga Sand aquifers together are referred to as the deep aquifer system in this report. All municipal pumping in the NCMA occurs on the Tri-Cities Mesa and is produced from the deep aquifer.

The second principal aquifer is the alluvial aquifer, consisting of Quaternary-age alluvial sediments of Arroyo Grande Creek, Los Berros Creek, and the Cienega Valley. All agricultural groundwater production in the Cienega Valley is presumed to be extracted from a lower, confined to semi-confined portion of the alluvial aquifer (DWR, 1970).

Several faults either cross or form the boundary of the NCMA, as identified by DWR (2002), Pacific Gas & Electric (PG&E, 2014) (PG&E), and others. The Oceano Fault (USGS, 2006) trends northwest-southeast across the central portion of NCMA and has been extensively studied by PG&E (2014). Offshore, the Oceano Fault connects with the Hosgri and Shoreline fault systems several miles west of the coast. Onshore, the Oceano Fault consists of two mapped fault splays, including the main trace of the Oceano Fault as well as the Santa Maria River Fault, which diverges northward of the Oceano Fault through the Cienega Valley before trending into and across the Nipomo Mesa.

It is unknown the extent to which the Oceano and Santa Maria River faults impede groundwater flow within the deep aquifer system materials. However, movement on the faults, as mapped by PG&E (2014), may suggest a possible impediment to flow within the Careaga Sand and possibly the Paso Robles Formation. PG&E (2014) suggests that the existence of the Santa Maria River Fault is “uncertain.” However, the water elevation contour maps of the NCMA (Figures 8 and 9, discussed in more detail in Section 3.1.1) may suggest that the Santa Maria River Fault plays a potential, but unknown, role in groundwater flow across the NCMA.

¹³ The Plio-Pleistocene-age Paso Robles Formation aquifer consists of unconsolidated deposits ranging from fine to coarse sand and gravel, silty to clayey sand and gravel, and fine to medium silty sand. Regionally, the formation is compartmentalized into two to five aquifer zones designated from top to bottom as the A to E Zones. These aquifer zones are separated by silt and clay confining beds near the coast and are generally merged inland (DWR, 1970).

¹⁴ The Pliocene-age Careaga Sand consists of unconsolidated to well-cemented calcareous coarse sand with gravel, fine to medium sand, and silty sand. The Careaga Sand is of marine origin (DWR, 1970).

The Wilmar Avenue Fault generally forms the northern boundary of the NCMA, apparently acting as a barrier to groundwater flow from the older consolidated materials north of the fault southward into the SMGB. There is no evidence, however, that the Wilmar Avenue Fault impedes alluvial flow in the Pismo Creek, Meadow Creek, or Arroyo Grande Creek alluvial valleys.

2.5 Groundwater Flow

The groundwater system of the NCMA has several sources of recharge including precipitation, agricultural return flow, seepage from stream flow, and subsurface inflow from adjacent areas. Precipitation-driven recharge is enhanced by several stormwater retention ponds in NCMA.¹⁵ According to the DWR Bulletin 63-3 report (DWR, 1970), both the Paso Robles Formation aquifer and the lower confined portion of the Cienega Valley alluvial aquifer are recharged primarily from subsurface groundwater inflow from the east, where the overlying confining layers are thin to nonexistent (DWR, 1970). These recharge areas to the east include inland reaches of Arroyo Grande Valley and portions of Nipomo Mesa (DWR, 1970). The deep aquifer system is also recharged to a lesser extent by percolation of direct precipitation and agricultural return flow on the Tri-Cities Mesa (DWR, 1970). In addition, some return flows occur from imported surface supply sources including Lopez Lake and the California State Water Project (SWP). Discharge in the region is dominated by groundwater production from pumping wells, but minor discharge certainly occurs through phreatophyte¹⁶ consumption and surface water outflow. Historically, groundwater elevations in wells throughout the NCMA and resulting hydraulic gradients show that subsurface outflow discharge occurs westward from the groundwater basin to the ocean. This subsurface outflow is an important control to limit the potential of seawater intrusion. This westward gradient and direction of groundwater flow still is prevalent throughout the northern portion of NCMA, although there is some evidence recently that the westward gradient may have reversed in the area south of Cienega Valley.

The following descriptions of the boundary conditions of the NCMA are derived primarily from Todd (2007). The eastern boundary is coincident with the SLOFC&WCD Zone 3 management boundary and with the northwestern boundary of the NMMA. Aquifer materials of similar formation, provenance, and characteristics are present across most of this boundary, which allows subsurface flow to occur between the NCMA and NMMA.

The northern and northwestern boundary, established by the Court during the 2005 Stipulation, is coincident with the Wilmar Avenue Fault, which is located approximately along Highway 101 from Pismo Creek to the southeastern edge of the Arroyo Grande Valley. There is likely insignificant subsurface flow from the consolidated materials (primarily Pismo Formation) north of the Wilmar Avenue Fault across the boundary into the SMGB; however, basin inflow occurs within the underflow associated with alluvial valleys of Arroyo Grande and Pismo creeks.

The southern boundary of the NCMA is an east-west line, roughly located along the trend of Black Lake Canyon and perpendicular to the coastline. Historically, it appears that groundwater flow is typically roughly parallel to the boundary. This suggests that little to no subsurface inflow occurs across this boundary.

The western boundary of the NCMA follows the coastline from Pismo Creek in the north to Black Lake Canyon. Given the generally westward groundwater gradient in the area, this boundary is the site of subsurface outflow and is an important impediment to seawater intrusion. However, the boundary is susceptible to seawater

¹⁵ Within their jurisdictions, Arroyo Grande and Grover Beach each maintain stormwater retention ponds; the SLOFCWCD maintains the stormwater system, including retention ponds, in OCS. These ponds collect stormwater runoff, allowing the runoff to recharge the underlying aquifers.

¹⁶ A phreatophyte is a deep-rooted plant that obtains a significant portion of the water that it needs from the water table. Phreatophytes are plants that are supplied with surface water or the upper portion of the near-surface water table and often have their roots constantly in touch with moisture.

intrusion if groundwater elevations onshore decline, such as may be occurring seasonally in the southeast portion of NCMA along the boundary with NMMA.

This page intentionally left blank for duplex printing.

SECTION 3: Groundwater Conditions

3.1 Groundwater Levels

Groundwater elevation data are gathered from the network of wells throughout the NCMA to monitor the effects of groundwater use and recharge, and to monitor the threat of seawater intrusion. Over time, analysis of these groundwater elevation data has included development of groundwater surface contour maps, hydrographs, and an index of key sentry well water elevations. The historical groundwater elevation data are provided in Appendix A.

3.1.1 Groundwater Level Contour Maps

Contoured groundwater elevations for the spring (April 2020) and fall (October 2020) monitoring events, including data from the County monitoring program, are shown in Figures 8 and 9, respectively. From an increased understanding of the groundwater basin aquifer system and to be consistent with recent work completed for the Phase 1B model, the groundwater elevation analysis was performed separately for each of the two principal aquifers. As described earlier (Section 2.4), the two principal aquifers are the deep aquifer (consisting of the Paso Robles Formation and the Careaga Sand) from which all municipal production is pumped, and the alluvial aquifer within the Cienega Valley, from which all agricultural production is pumped.

Groundwater level contours for April 2020 are presented in Figure 8. Spring groundwater elevation contours in the deep aquifer system north of the Santa Maria River Fault show a westerly to southwesterly groundwater flow. The groundwater gradient and flow in the deep aquifer system in the southern portion of the NCMA are generally inferred on the basis of historical records, historical trends, and water level data from the NMMA farther east. This is due to the limited number of wells and water level data in the southernmost portion of the NCMA that is dominated by sensitive-species dunes and California State Parks land.

Spring groundwater contours in the alluvial aquifer exhibit a gradient and flow direction that generally follows the alignment of Arroyo Grande Creek. The alluvial groundwater contours also indicate an inflow of groundwater from the Los Berros Creek drainage (Figure 8).

Agricultural groundwater pumping results in seasonal drawdown of the alluvial aquifer in the Cienega Valley south and east of Arroyo Grande Creek. As shown on Figure 8, the April 2020 alluvial groundwater elevations in the Cienega Valley are in the range of below 0 feet to more than 30 feet North American Vertical Datum 1988 (NAVD 88).¹⁷ These data show a general decrease in alluvial groundwater elevations from April 2019 to April 2020 (see Figure 8 from NCMA, 2019) and formation of a subdued pumping trough in the Cienega Valley, with groundwater elevations generally below sea level in the center of the depression. This formation of a pumping trough early in the year may be due to a relatively dry January and February preceding the collection of groundwater elevation measurements in March 2020. Although March 2020 was relatively wet, the resultant recharge to the alluvial aquifer may have occurred after the March water elevation measurements were collected.

April 2020 groundwater elevations in the deep aquifer system main production zone along the coast ranged from 8.0 to 12.0 feet above sea level. A pumping depression occasionally formed in the deep aquifer system

¹⁷ Note that NAVD 88 is 2.72 feet lower than mean sea level, as recorded at the Port San Luis tide station datum (available at <https://tidesandcurrents.noaa.gov/datums.html?id=9412110>); however, for the purposes of this report it will be referred to as sea level.

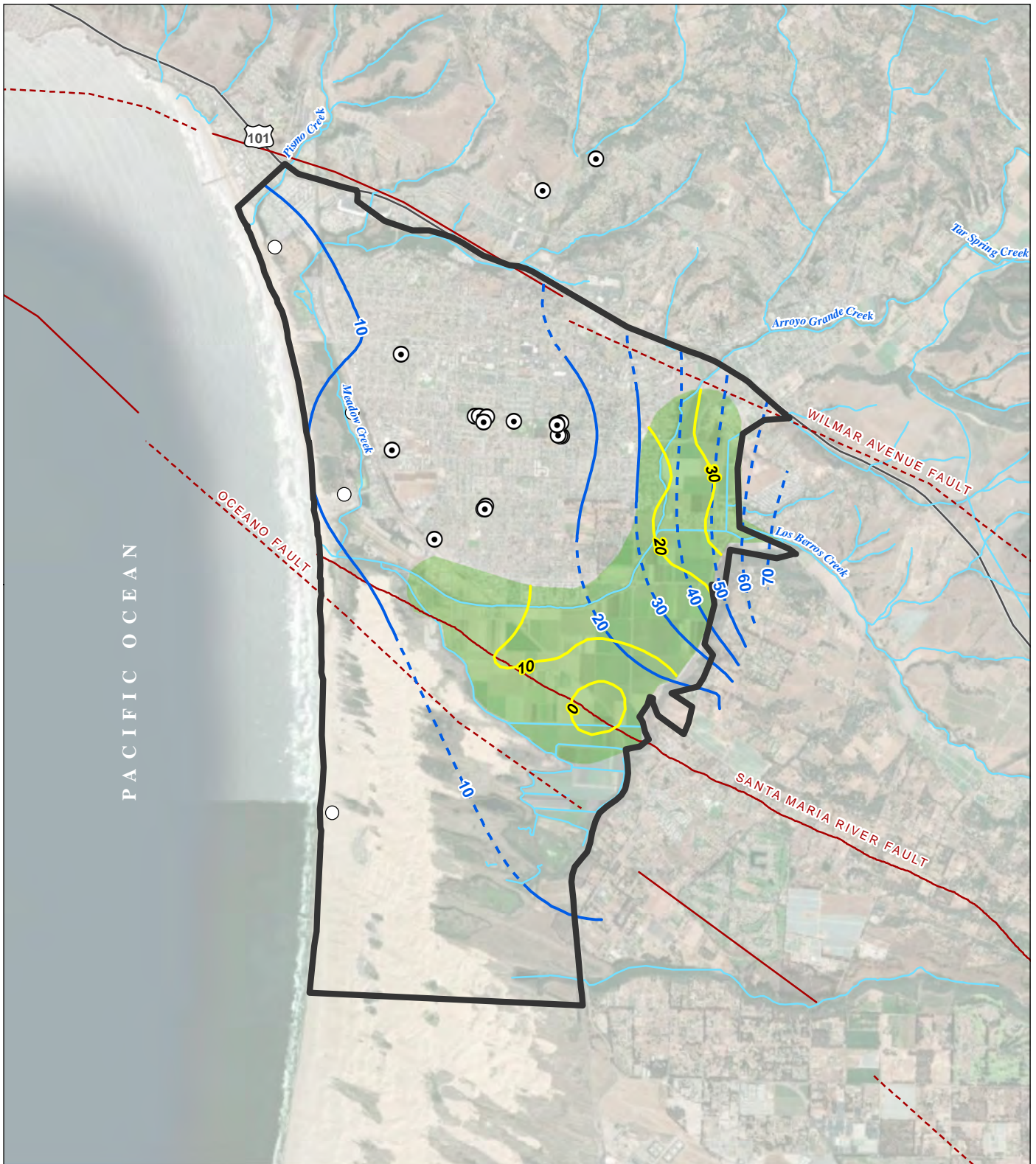


FIGURE 8

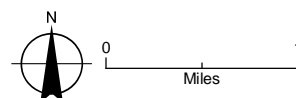
Groundwater Elevation Contours Spring 2020

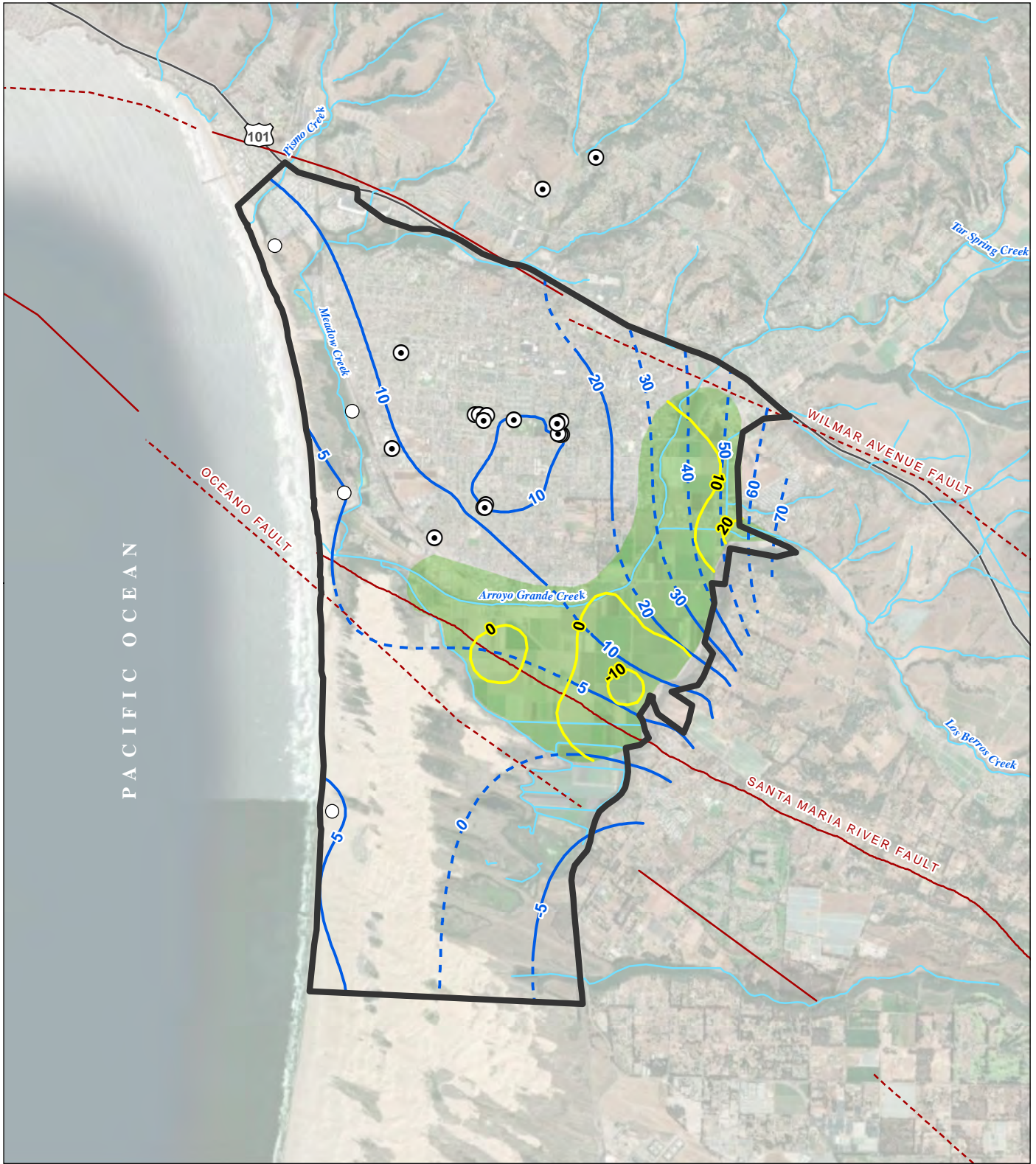
Northern Cities Management Area
San Luis Obispo County, California

LEGEND

- | | |
|---|-----------------------------------|
| ○ Sentry Well | All Other Features |
| ⊙ Municipal Well | ▭ Northern Cities Management Area |
| — Alluvial Groundwater Contour (feet, NAVD88) | ■ Cienega Valley |
| — Deep Groundwater Contour (feet, NAVD88) | — Interstate |
| — Fault (dashed where inferred) | — Watercourse |

Notes: NAVD88 - North American Vertical Datum of 1988
Date: April 8, 2021
Data Sources: SLO County, USGS, NCGMA and NMMA Agencies, California Geological Survey, ESRI





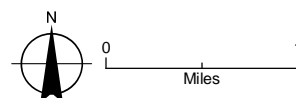
LEGEND

- | | |
|---|-----------------------------------|
| ○ Sentry Well | All Other Features |
| ● Municipal Well | ▭ Northern Cities Management Area |
| — Alluvial Groundwater Contour (feet, NAVD88) | ■ Cienega Valley |
| — Deep Groundwater Contour (feet, NAVD88) | — Interstate |
| — Fault (dashed where inferred) | — Watercourse |

Notes: NAVD88 - North American Vertical Datum of 1988
 Date: April 8, 2021
 Data Sources: SLO County, USGS, NCGMA and NMMA Agencies, California Geological Survey, ESRI

FIGURE 9

Groundwater Elevation Contours Fall 2020
 Northern Cities Management Area
 San Luis Obispo County, California



north and west of Arroyo Grande Creek in the area of concentrated municipal pumping. This depression occurred historically mostly in response to the recent drought. This pumping depression has not been observed since 2017, most likely due to a couple years of above-average rainfall, continued groundwater conservation efforts, and increased reliance on imported surface water.

Groundwater elevation contours for October 2020 are presented in Figure 9. Fall groundwater contours in the deep aquifer system north of the Santa Maria River Fault show a generally west-to-southwesterly groundwater flow, similar to conditions in the spring, but with some minor pumping effects evident in the area of the municipal wells. Fall groundwater contours in the alluvial aquifer show pumping effects from agricultural groundwater production, including a pronounced pumping depression in the southeast portion of the Cienega Valley (Figure 9). Similar to observed trends for spring 2020, the fall alluvial groundwater contours indicate an inflow of groundwater from the Los Berros Creek drainage (Figure 9).

The alluvial aquifer groundwater conditions in October 2020 shows a decline of approximately 1 to 23 feet from elevations observed in April 2020. These conditions are consistent with the pumping depressions observed historically during the fall within the Cienega Valley. The alluvial groundwater elevation in the pumping depression in October 2020, at 14.4 feet below sea level, was 3.2 feet higher than was present in October 2019. October 2020 groundwater elevations in the deep aquifer system main production zone along the coast ranged from 4.8 to 7.0 feet above sea level.

3.1.2 Historical Water Level Trends

Hydrographs of five wells in the NCMA are presented in Figure 10. Two of the wells are completed in the deep aquifer system (32D03 and 32D11) and three of the wells are completed in the alluvial aquifer within the Cienega Valley (28K02, 30K03, and 33K03).

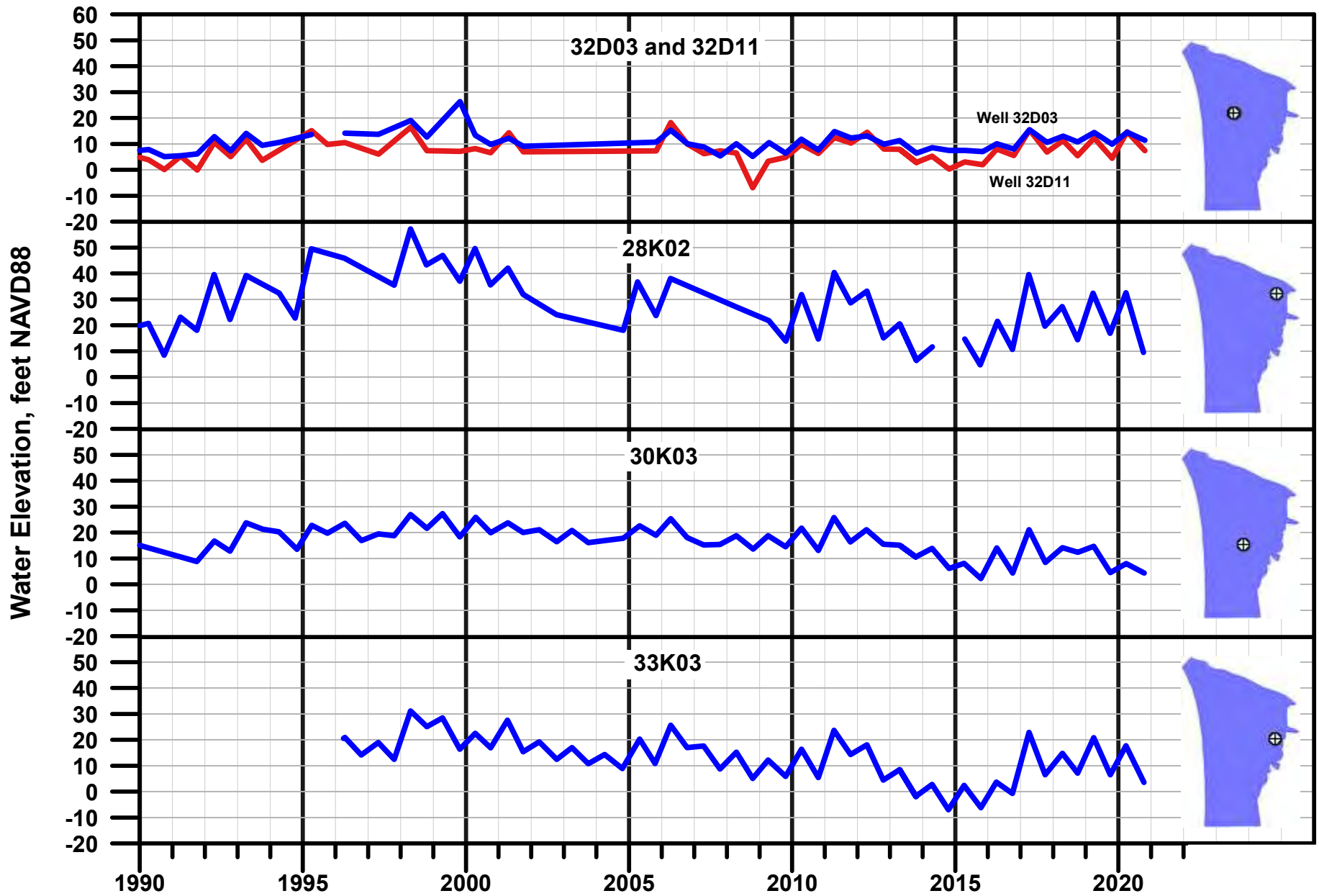
The hydrographs for wells 32D03 and 32D11 (Figure 10) are paired hydrographs for deep aquifer system wells in the vicinity of the municipal wellfields. Depending on the duration of pumping of the municipal wells, water levels in these wells historically have been below the levels of wells in other areas of the NCMA for prolonged periods of time. The hydrographs show that, historically, groundwater elevations in these wells generally have been above mean sea level. In 2007 to 2009, an area of lower groundwater elevations (a trough) beneath the active wellfield appeared. Groundwater pumping was at its peak in 2007 to 2009 (in comparison with pumping of the last 30 years) and contributed to the apparent seawater intrusion event in the coastal wells in 2009.

As illustrated in Figure 10, the water elevations of all the wells, including the paired deep aquifer system wells 32D03 and 32D11, exhibited a steady decline from 2011 to 2016, during which time rainfall was below normal every year. In this period, groundwater elevations declined to near sea level or, in the case of alluvial aquifer well 33K03, to below sea level. By October 2016, the groundwater elevations in these wells were generally below the levels observed in 2009–2010.

However, in 2016 and 2017, all of the wells exhibited an overall increase in water levels (with the exception of the normal, seasonal decline during the summer). Water levels have remained approximately steady in all of the wells since 2017. The water level in well 33K03, located near the NCMA/NMMA boundary, is currently several feet above sea level.

3.1.3 Sentry Wells and the Deep Well Index

Regular monitoring of water elevations in clustered sentry wells located along the coast are an essential tool for tracking critical groundwater elevation changes at the coast. Groundwater elevations in these wells are monitored quarterly as part of the sentry well monitoring program. As shown by the hydrographs for the five sentry well clusters (Figure 11), the sentry wells provide a long history of groundwater elevations.

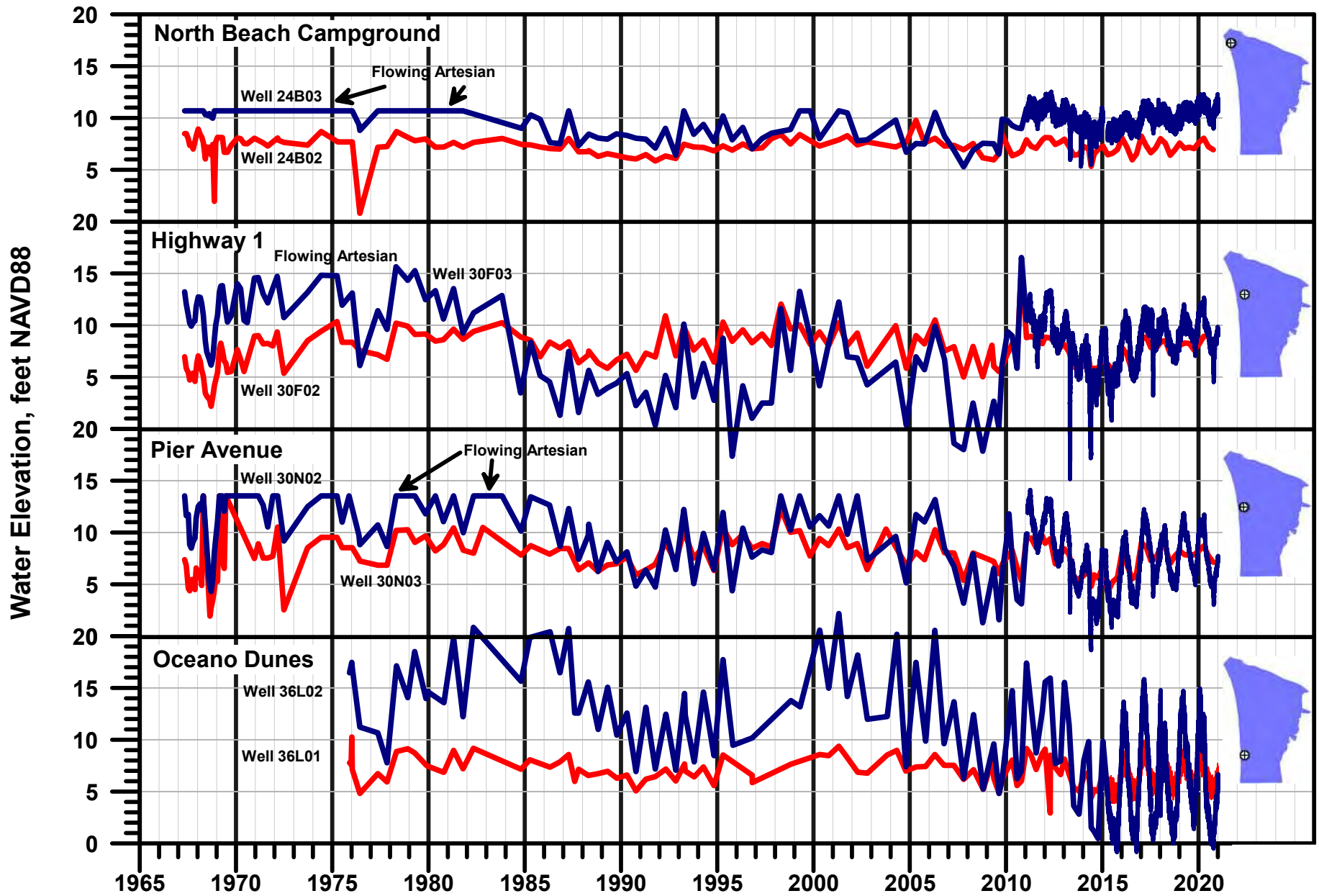


P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 10 NCMA Selected Hydrographs.grf *

FIGURE 10. SELECTED HYDROGRAPHS
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 NAVD88 - North American Vertical Datum of 1988





P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 11 NCMA Sentry Well Hydrographs.grf*

FIGURE 11. SENTRY WELL HYDROGRAPHS
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 NAVD88 - North American Vertical Datum of 1988



Inspection of the recent data shown in Figure 11 compared with the historical record illustrates some noteworthy trends:

- From 2013 until near the end of 2016, the water level trend of well 30N02—one of the wells that experienced elevated TDS and chloride levels (i.e., water quality degradation) in 2009–2010—looked quite similar to the water level trend of the well in 2007–2010, immediately before and during the period of incipient seawater intrusion. This trend was noteworthy and alarming. However, since the end of 2016 and continuing through 2020, the water level reversed the downward trend and now has water elevations seasonally fluctuating around 8 feet above sea level.
- The decline in water levels from 2005 to 2016 in the Oceano Dunes wells (36L01 and 36L02) was also notable and potentially significant, particularly in well 36L01, which is screened across the Paso Robles Formation. In 2016, both wells reached historical low water elevations. However, since late 2016, both wells have started recovering to less-alarming levels.

The deepest wells in the clusters, 24B03, 30F03, and 30N02, were previously identified as key wells to monitor for potential seawater intrusion and were suggested to reflect the net effect of changing groundwater recharge and discharge conditions in the primary production zone of the deep aquifer system. One of the thresholds to track the status and apparent health of the aquifer is to average the groundwater elevations from these three deep sentry wells to generate a single, representative index, called the Deep Well Index. Previous studies suggested a Deep Well Index value of 7.5 feet above sea level as a minimum threshold, or trigger value, below which the aquifer is at risk for eastward migration of seawater and a subsequent threat of encroaching seawater intrusion. Historical variation of this index value is represented by the average deep sentry well elevations in Figure 12.

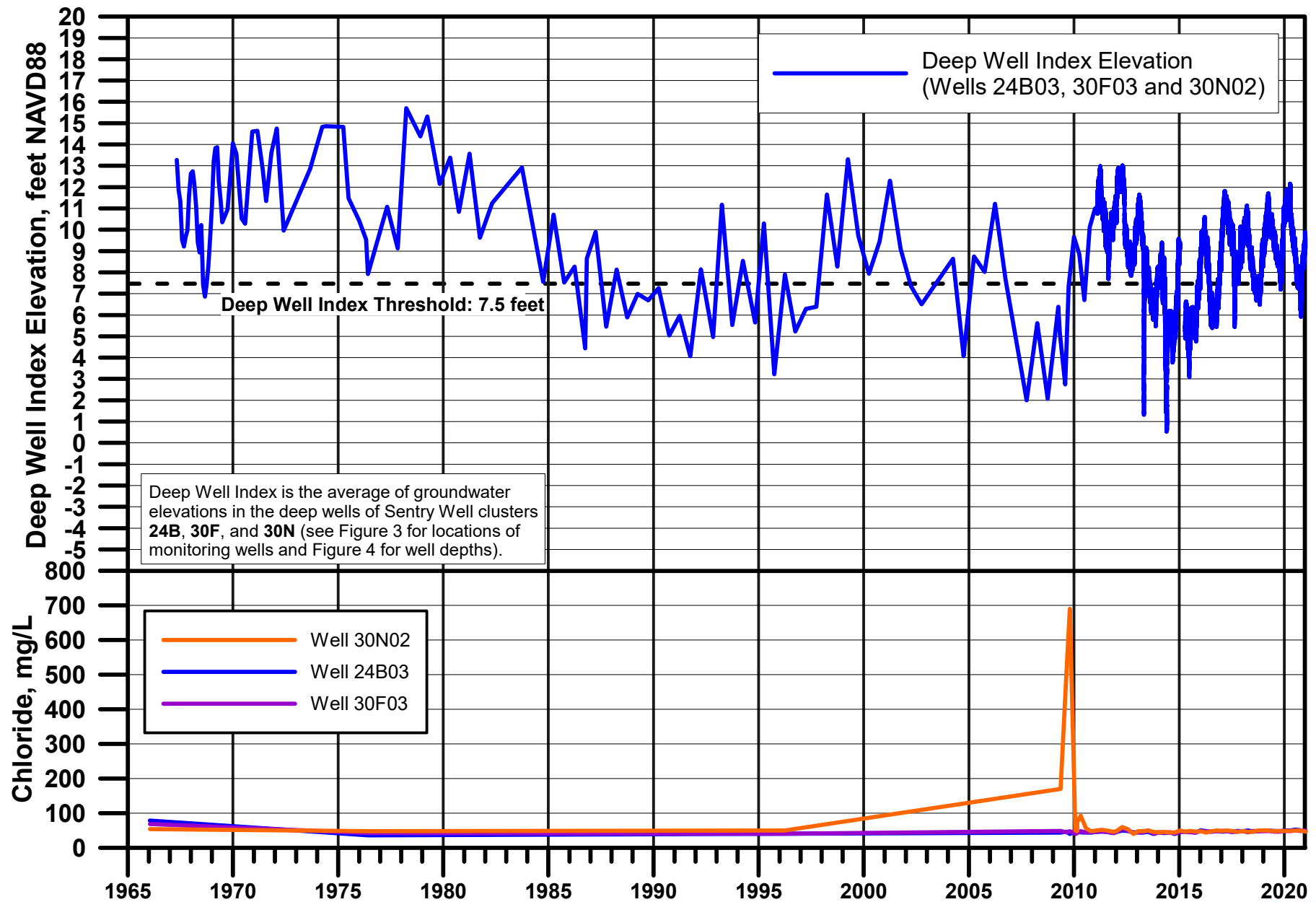
Inspection of the Deep Well Index in 2008–2009, prior to the period of water quality degradation in wells 30N03 and 30N02, shows that the Deep Well Index dropped below the 7.5-foot trigger value and remained below that level for almost 2 years. It appears that prolonged levels below the threshold may be causing the degradation. Since the start of the recent drought in 2011, the Deep Well Index dropped several times below the threshold, but usually for only a few months at a time.

In 2020, the Deep Well Index started the year above the trigger value with an index value of more than 10 feet in January. It continued to rise, reached a high more than 12 feet in April, and then began to decline. The index value dropped down to the 7.5-foot trigger value briefly in mid-October and then immediately began to rise. The index value continued to rise throughout the end of the year and finished 2020 at about 9 feet above sea level (Figure 12).

Key wells—including 24B03, 30F03, 30N02, 36L01, 36L02, and 32C03—are instrumented with pressure transducers equipped with conductivity probes that periodically record water level, water temperature, and conductivity (Figures 13 through 18). It should be noted that transducer malfunctions have resulted in variable conductivity data in some of the wells during certain years, including 2015 and 2019. Malfunctioning transducers have been replaced and continue to be monitored in an ongoing effort to maintain a properly functioning monitoring network.

Wells 24B03, 30F03, and 30N02 comprise the wells used to calculate the Deep Well Index. Wells 36L01 and 36L02 are adjacent to the coast. Well 32C03 is the easternmost well and adjacent to the boundary between the NCMA and NMMA. The following discusses 2020 water levels for these key wells:

- **Deep Well Index Wells:** The Deep Well Index wells exhibited a pattern throughout 2020 that is consistent with previous years. The water levels in wells 24B03, 30F03, and 30N02 generally declined starting in March or April 2020 and continued to decline into October when they began to rise.



P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 12 Hydrograph of Deep Well Index Level.grf *

FIGURE 12. HYDROGRAPH OF DEEP WELL INDEX ELEVATION
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 NAVD88 - North American Vertical Datum of 1988
 mg/L - milligrams per liter



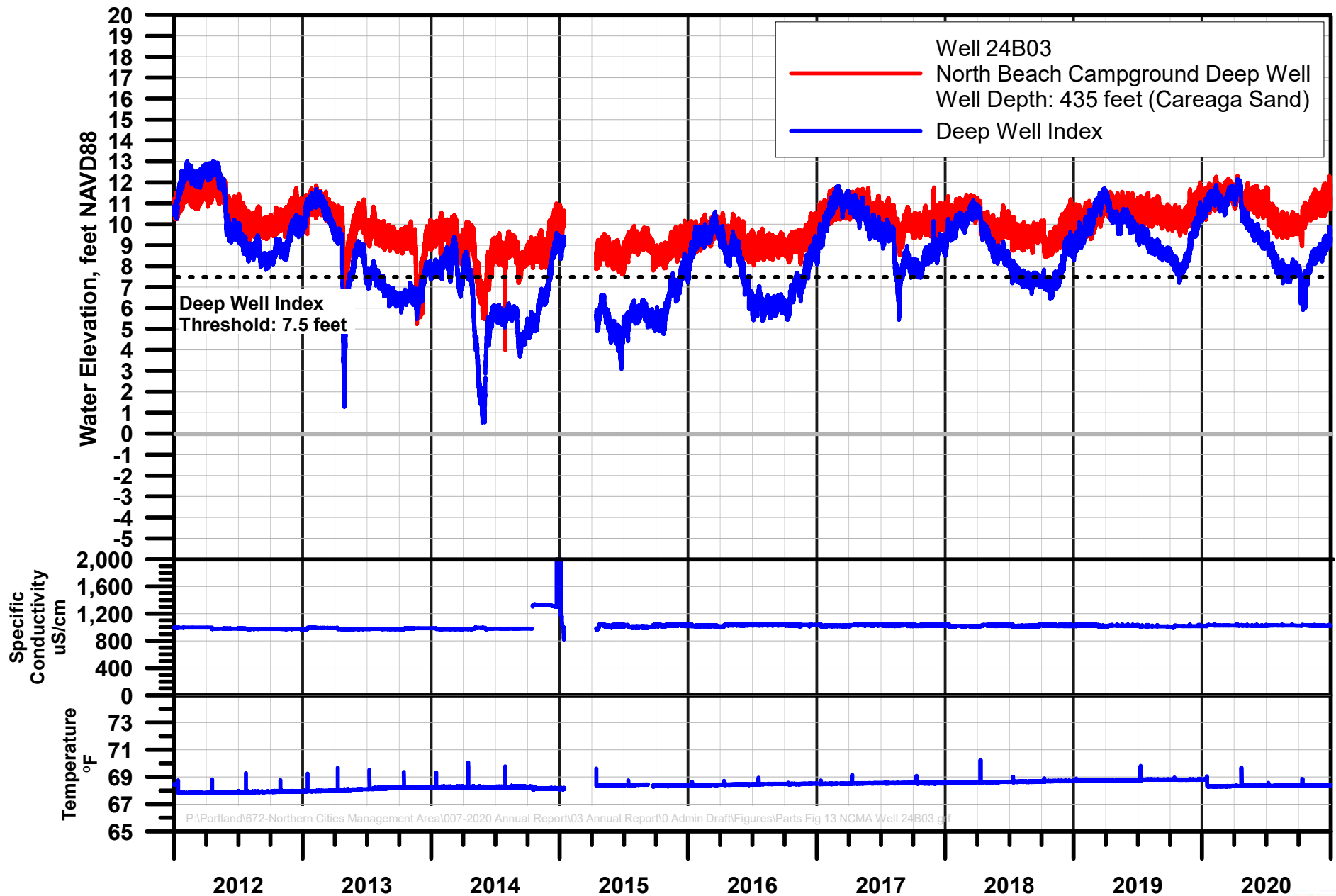


FIGURE 13. WATER ELEVATION, CONDUCTIVITY, AND TEMPERATURE, WELL 24B03

Northern Cities Management Area
San Luis Obispo County, California

Notes:
NAVD88 - North American Vertical Datum of 1988
uS/cm - microsiemens per centimeter



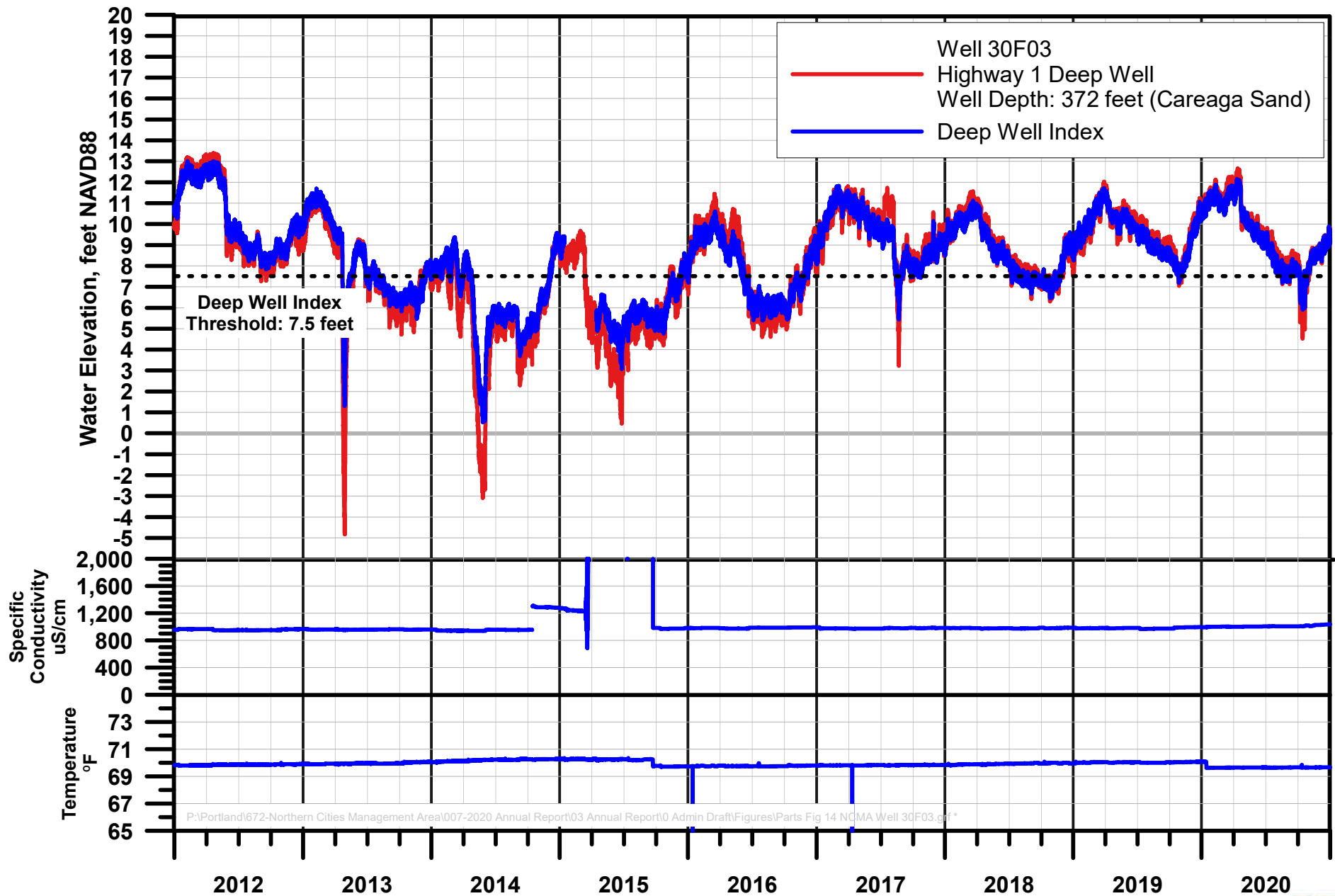


FIGURE 14. WATER ELEVATION, CONDUCTIVITY, AND TEMPERATURE, WELL 30F03

Northern Cities Management Area
San Luis Obispo County, California

Notes:
NAVD88 - North American Vertical Datum of 1988
uS/cm - microsiemens per centimeter



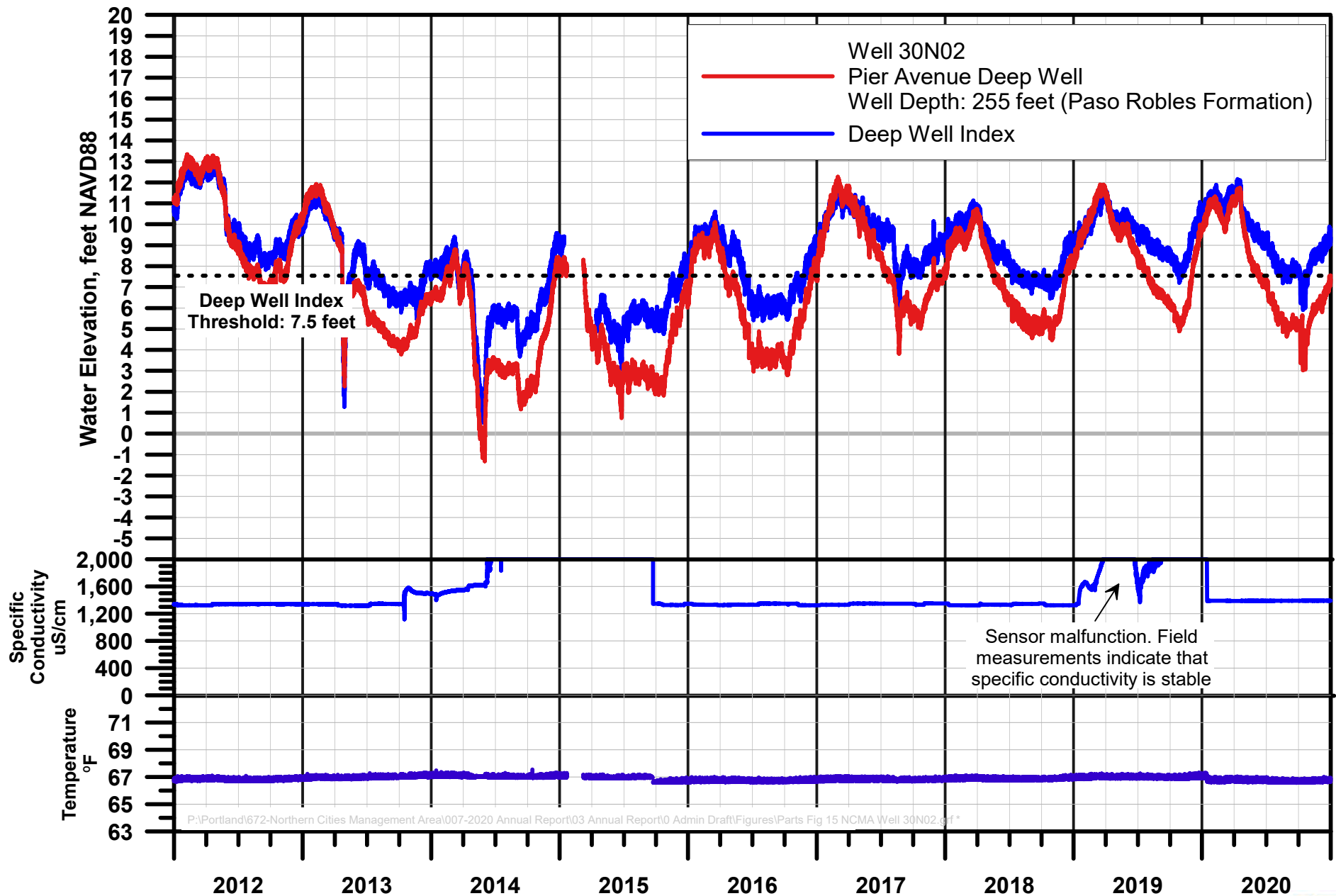
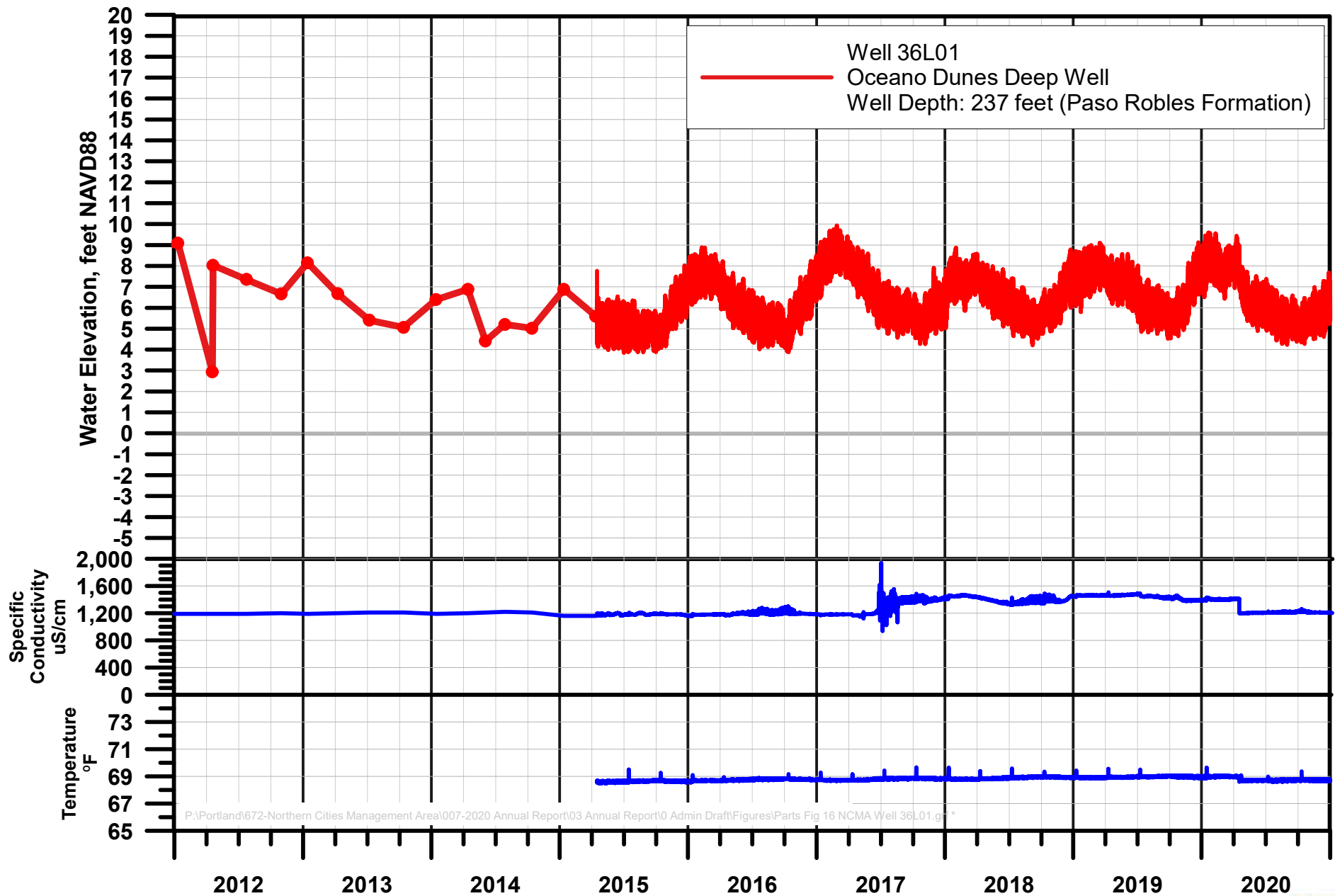


FIGURE 15. WATER ELEVATION, CONDUCTIVITY, AND TEMPERATURE, WELL 30N02

Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 NAVD88 - North American Vertical Datum of 1988
 uS/cm - microsiemens per centimeter





P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 16 NCMA Well 36L01.gi*

FIGURE 16. WATER ELEVATION, CONDUCTIVITY, AND TEMPERATURE, WELL 36L01

Northern Cities Management Area
San Luis Obispo County, California

Notes:
NAVD88 - North American Vertical Datum of 1988
uS/cm - microsiemens per centimeter



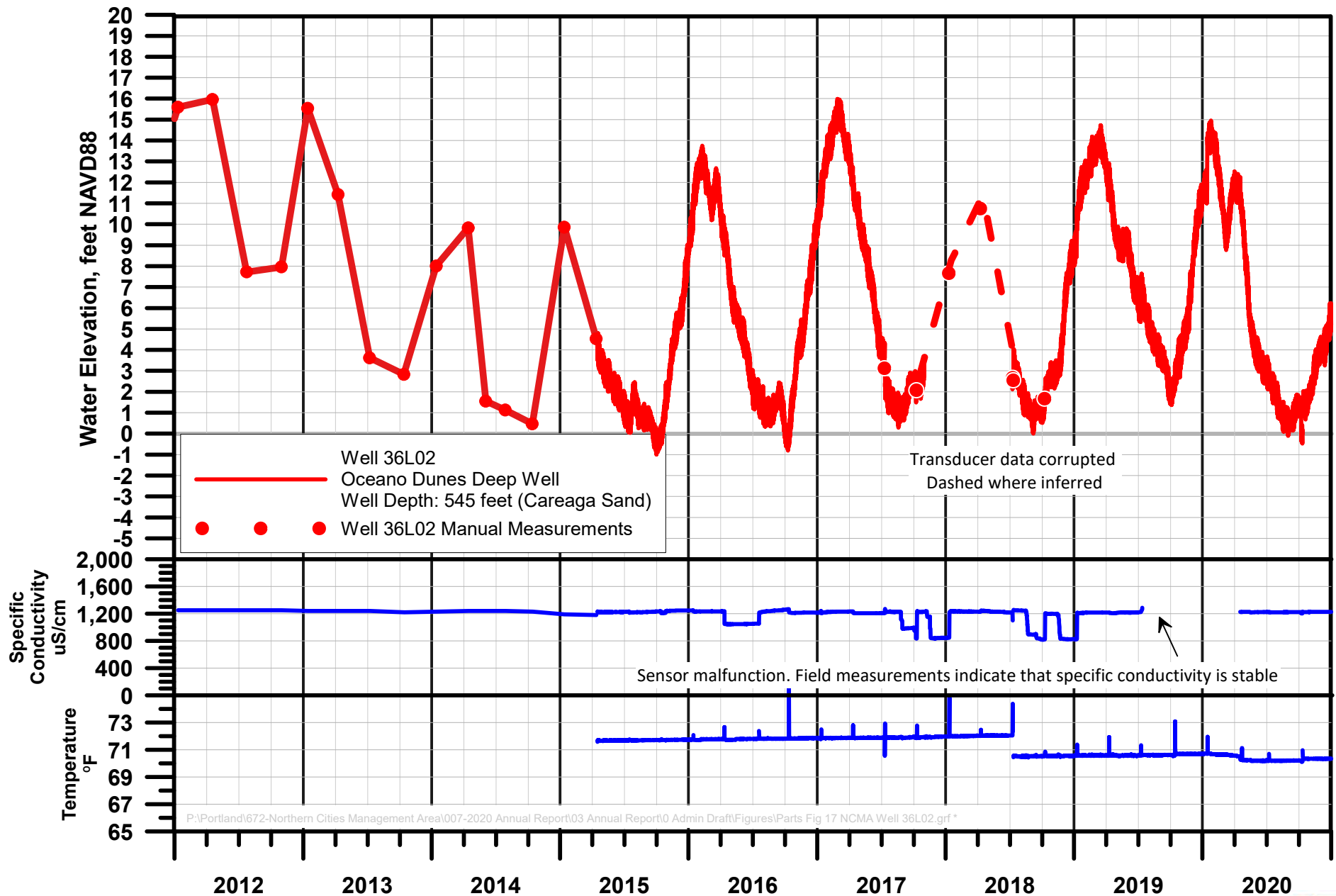


FIGURE 17. WATER ELEVATION, CONDUCTIVITY, AND TEMPERATURE, WELL 36L02

Northern Cities Management Area
San Luis Obispo County, California

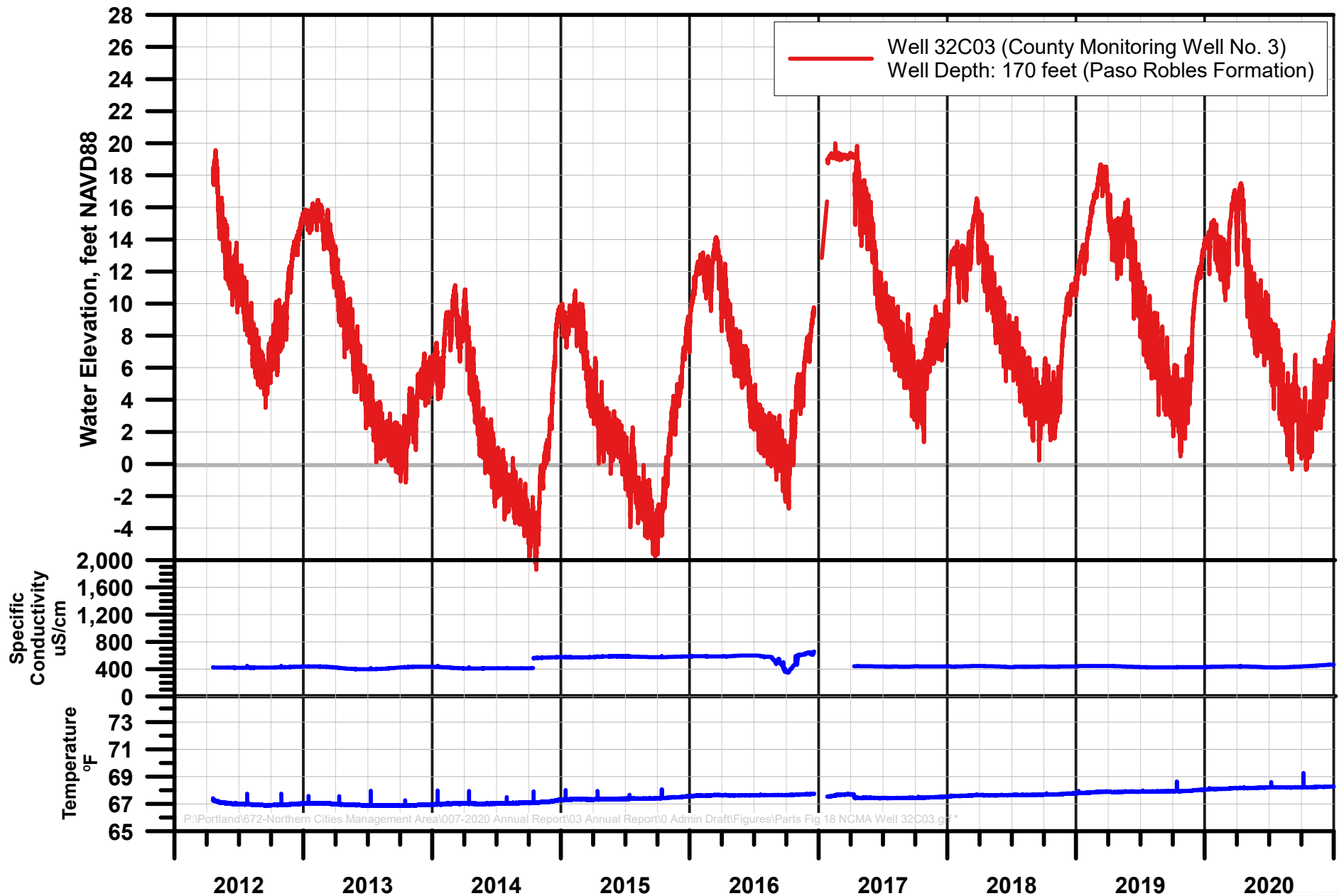


FIGURE 18. WATER ELEVATION, CONDUCTIVITY, AND TEMPERATURE, WELL 32C03

Northern Cities Management Area
San Luis Obispo County, California

Notes:
NAVD88 - North American Vertical Datum of 1988
uS/cm - microsiemens per centimeter



- Also consistent with patterns seen in previous years is the variability of aquifer response among the three wells. Well 24B03, the northernmost well and located in the North Beach Campground, maintains a relatively stable and moderated water level throughout the year and consistently sustains groundwater elevations higher than the Deep Well Index value. The water level in 24B03 mitigates the water levels in 30N02, which typically maintain levels consistently deeper than the Deep Well Index. Well 30F03 generally closely follows the Deep Well Index value.
- **Coastal Wells:** The groundwater elevation in well 36L01, screened within the Paso Robles Formation, remained 5 to 9 feet above sea level throughout 2020 and remained stable within the relatively narrow historical range. The water level in well 36L02, which is screened within the Careaga Sand, illustrates a much greater seasonal fluctuation than is observed in 36L01. Similar to 2017, 2018, and 2019, the water elevation in 36L02 remained above sea level throughout 2020, in comparison with 2015 and 2016 when the water elevation in the well dropped below sea level in late September and remained below sea level into mid-October.
- **NCMA/NMMA Boundary:** Well 32C03, which shows regular seasonal fluctuations, remained above sea level throughout all of 2017, 2018, 2019, and 2020, in contrast with the prior 4 years when the water level dropped below sea level in August and remained at a low elevation until early October.

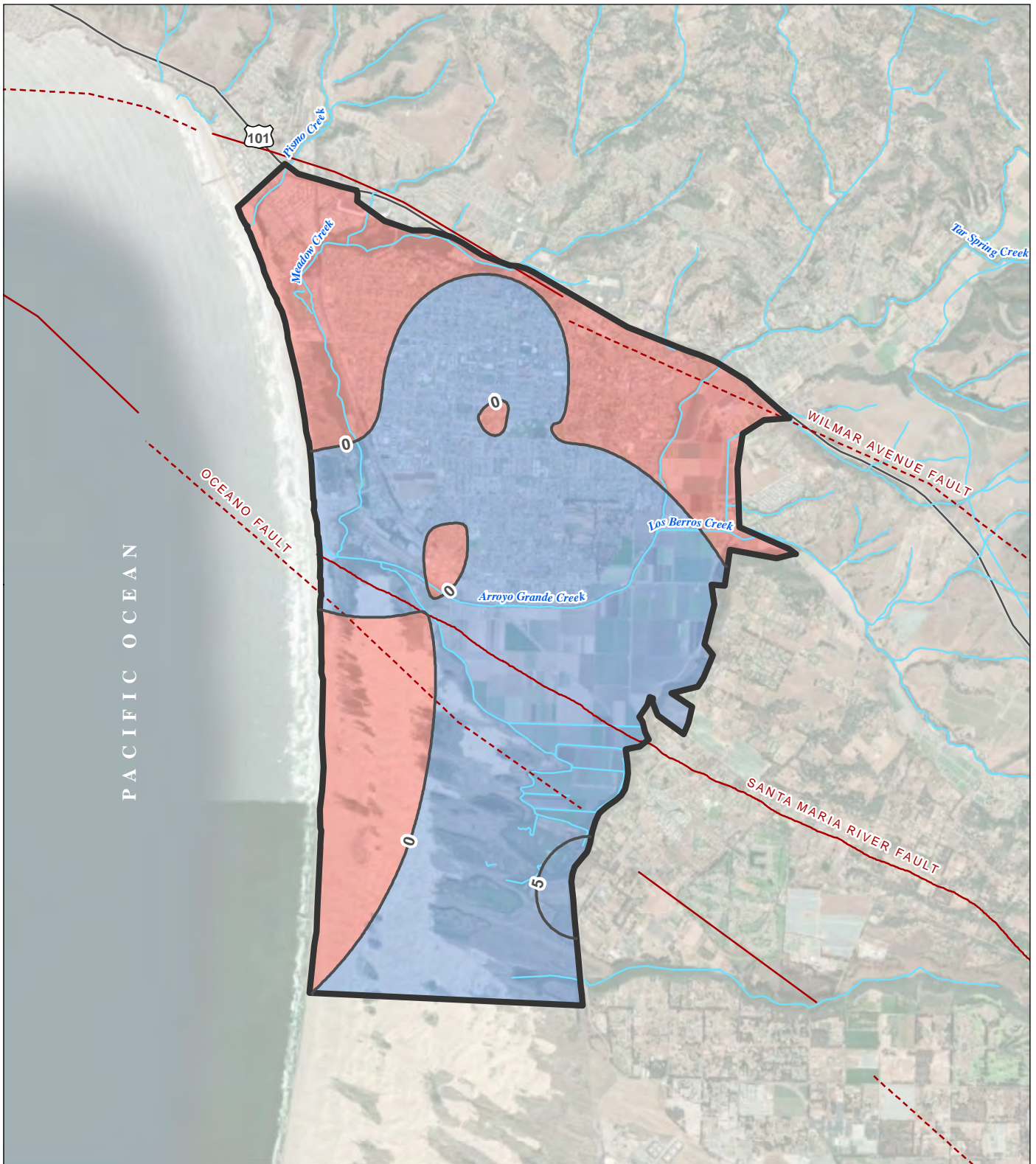
3.2 Change in Groundwater in Storage

The relative change of groundwater levels and associated change in groundwater in storage in the NCMA portion of the SMGB between April 2019 and April 2020 were estimated using a comparison of water level contour maps created for these periods. Separate estimates of change in groundwater in storage were computed for both the deep aquifer system and for the alluvial aquifer and then summed together to represent the total NCMA estimated change in groundwater in storage. The comparison of the April water levels was chosen to comply with DWR reporting requirements and SGMA.







For each aquifer, the groundwater contour lines from each period were compared and the volumetric difference between the two periods was calculated. The results are presented in Figure 19 and Figure 20, which show contours of equal difference between April 2019 and April 2020 water elevations in the deep aquifer system and the alluvial aquifer, respectively. Figure 19 shows that deep aquifer system water elevations increased in some areas and decreased in others, resulting in a small net increase of groundwater in storage in the deep aquifer system. Figure 20 shows that alluvial aquifer water elevations generally decreased within the extent of alluvium in the Cienega Valley, resulting in a net decrease of groundwater in storage in the alluvial aquifer.

From the change of water levels maps, a volumetric change in groundwater in storage estimate was made for each aquifer, based on assumed aquifer properties,¹⁸ and then summed to represent the total NCMA estimated change in groundwater in storage. The net changes in groundwater levels in both aquifers represents a net decrease of groundwater in storage from April 2019 to April 2020 of approximately 500 AF.

¹⁸ A storage coefficient of 0.02 was used for the deep aquifer system. This is representative of the Paso Robles Formation and Careaga Sand in the area, as documented in the SMGB Characterization Project (Fugro, 2015). A specific yield value for the alluvial aquifer of 0.09 was back-calculated using the 2019 estimated change in alluvial groundwater in storage represented by the calculated agricultural demand (Section 4.2.1) and an alluvial groundwater elevation change map representing the total volume change that occurred between April 2019 and October 2019.



LEGEND

-  Contour of Equal Difference in Water Level, feet
-  Area of Net Decline
-  Area of Net Rise
-  Fault (dashed where inferred)
-  Interstate
-  Watercourse

All Other Features


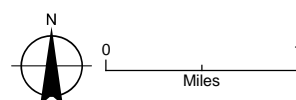
-  Northern Cities Management Area

FIGURE 19

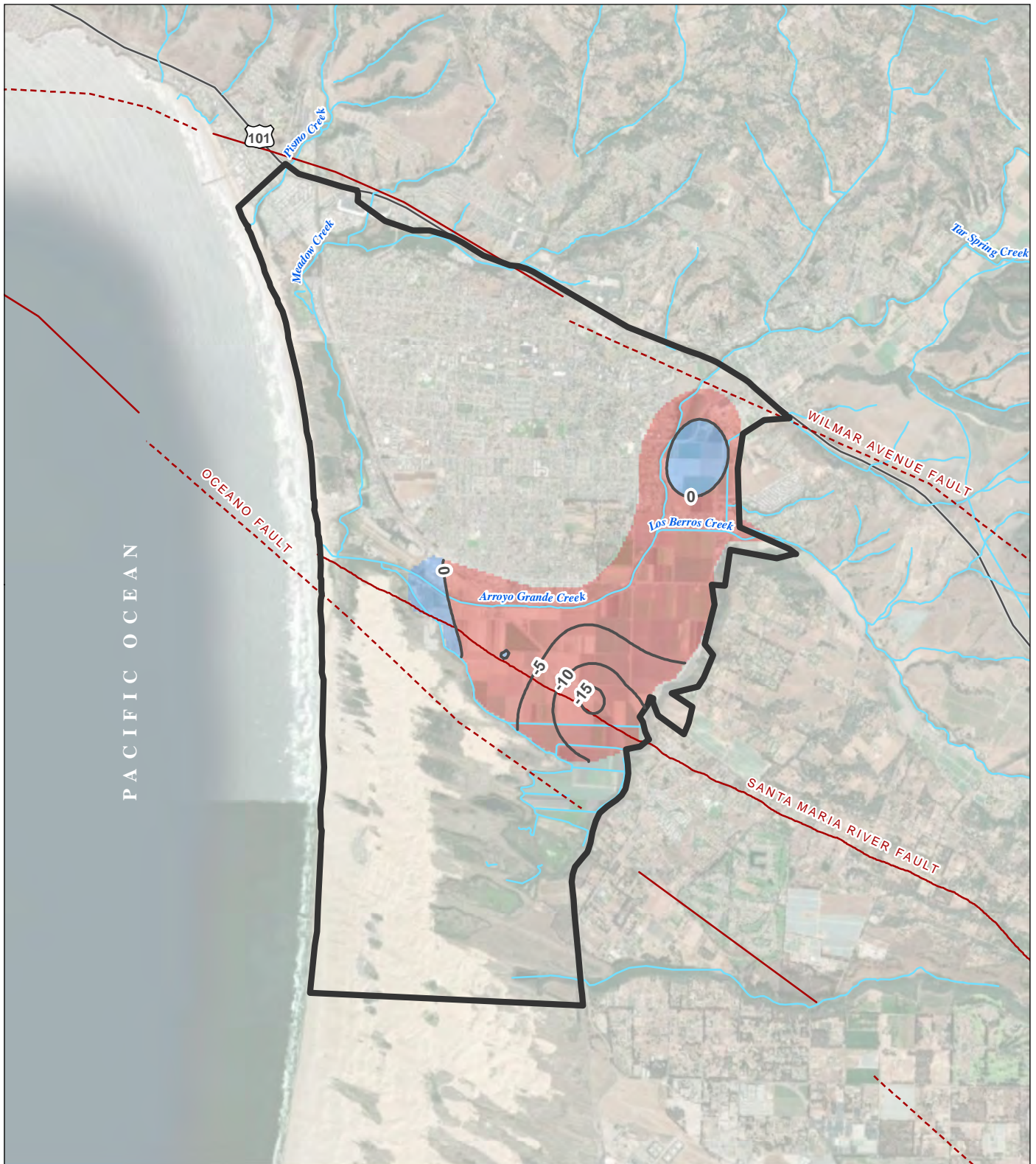
**Change in Groundwater Elevation, Deep Aquifer System
April 2019 to April 2020**

Northern Cities Management Area
San Luis Obispo County, California



Date: January 20, 2021
Data Sources: SLO County, USGS, NCMA and NMMA Agencies, California Geological Survey, ESRI

Document Path: Y:\0672_Northern_Cities_Management_Area\Source_Figures\007_2020_Annual_Report\Annual_Report\Figure19_Water Level Change_April_2019_2020_Deep.mxd



LEGEND

- Contour of Equal Difference in Water Level, feet
- Area of Net Decline
- Area of Net Rise
- All Other Features**
- Northern Cities Management Area
- Fault (dashed where inferred)
- Interstate
- Watercourse

FIGURE 20
Change in Groundwater Elevation, Alluvial Aquifer
April 2019 to April 2020
 Northern Cities Management Area
 San Luis Obispo County, California

Date: January 20, 2021
 Data Sources: SLO County, USGS, NCMA and NMMA Agencies, California Geological Survey, ESRI
 Document Path: Y:\0672_Northern_Cities_Management_Area\Source_Figures\007_2020_Annual_Report\Annual_Report\Figure20_Water Level Change_April_2019_2020_Qal.mxd

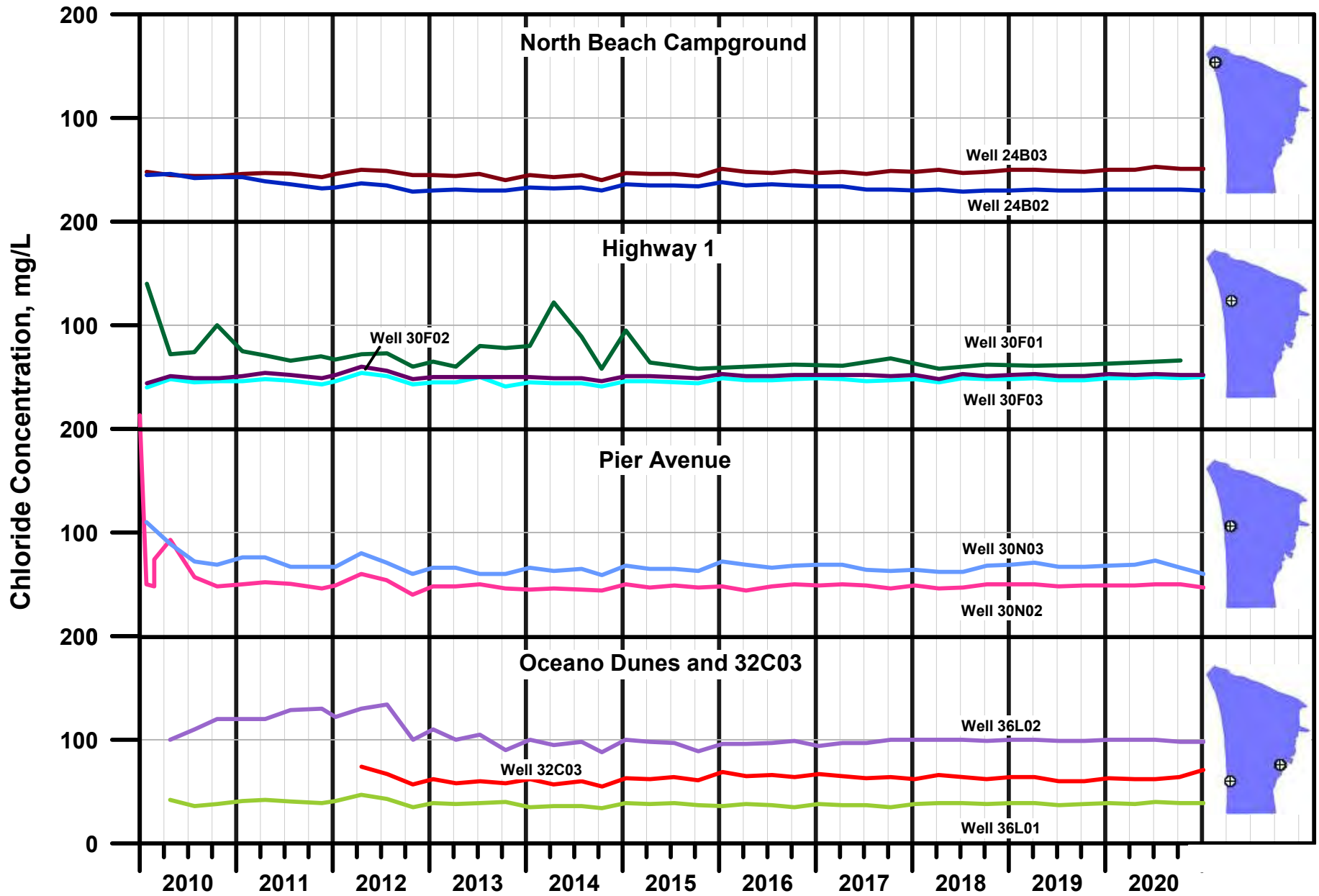
3.3 Water Quality

Water is used in several ways in the NCMA, and each use requires a certain minimum water quality. Because contaminants from seawater intrusion or from anthropogenic sources can potentially impact the quality of water in the aquifer, water quality is monitored at each of the sentry well locations in the NCMA and County Monitoring Well No. 3 (32C03).

3.3.1 Quarterly Groundwater Monitoring

Quarterly groundwater monitoring events occurred in January, April, July, and October 2020. During each event, depths to groundwater were measured, and wells were sampled using procedures, sampling equipment, and in-field sample preservation protocol pursuant to ASTM International Standard D4448-01. The water quality data from these events and historical data from these wells are provided in Appendix A. Graphs of historical chloride and total dissolved solids (TDS) concentrations over time are presented in Figures 21 and 22, respectively, to monitor for trends that may aid in the detection of impending seawater intrusion.

The historical water quality data show that concentration levels of chlorides and TDS, as well as other constituents, have remained relatively stable within a very narrow historical range since 2009. Improved management of municipal groundwater use, due to an overall reduction in pumping since 2009, has likely contributed to the past several years of relatively stable groundwater quality.

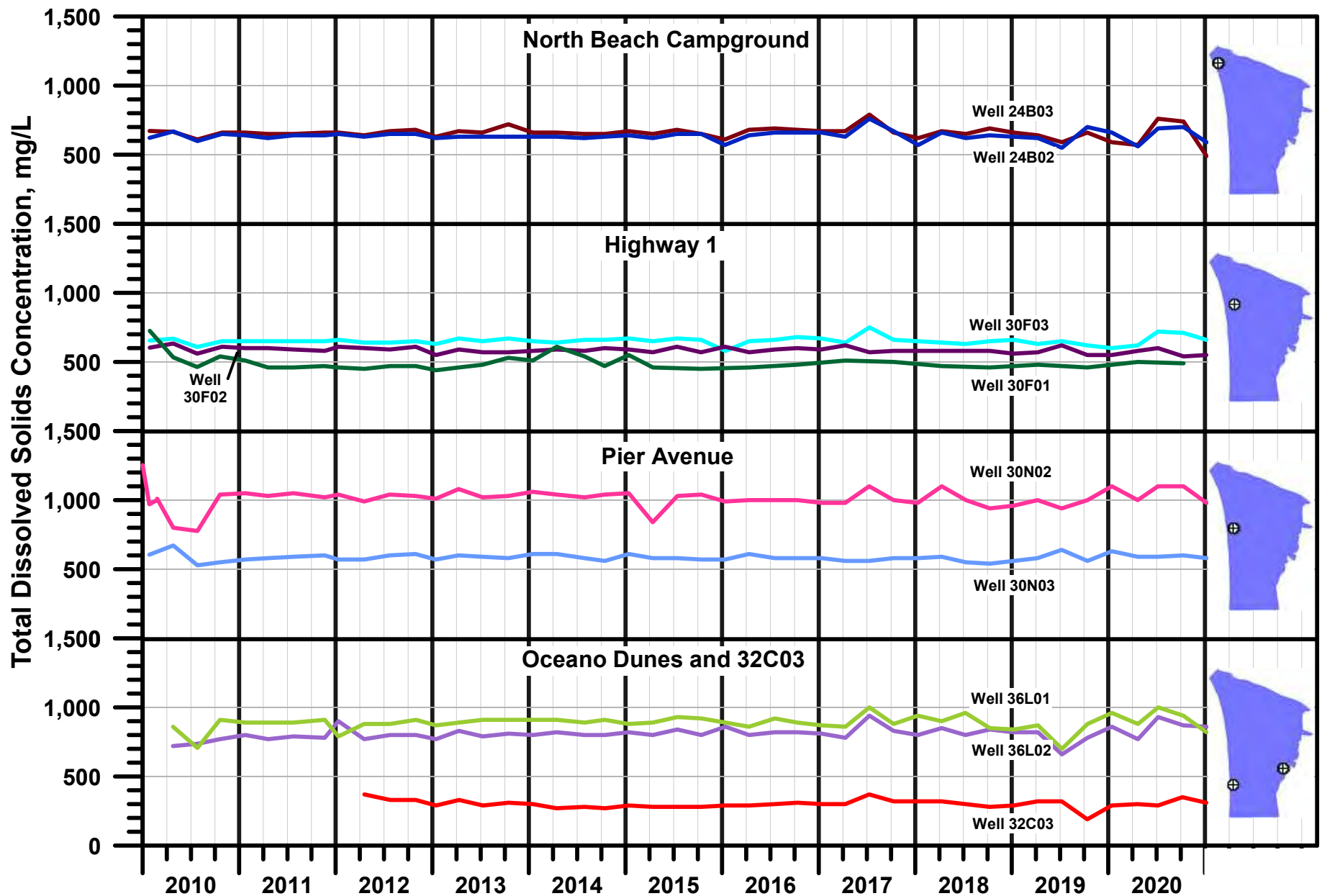


P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 21 NCMA Chloride Grouped.grf *

FIGURE 21. CHLORIDE CONCENTRATIONS IN MONITORING WELLS
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 mg/L - milligrams per liter





P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 22 NCMA TDS Grouped.grf

FIGURE 22. TOTAL DISSOLVED SOLIDS CONCENTRATIONS IN MONITORING WELLS
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 mg/L - milligrams per liter



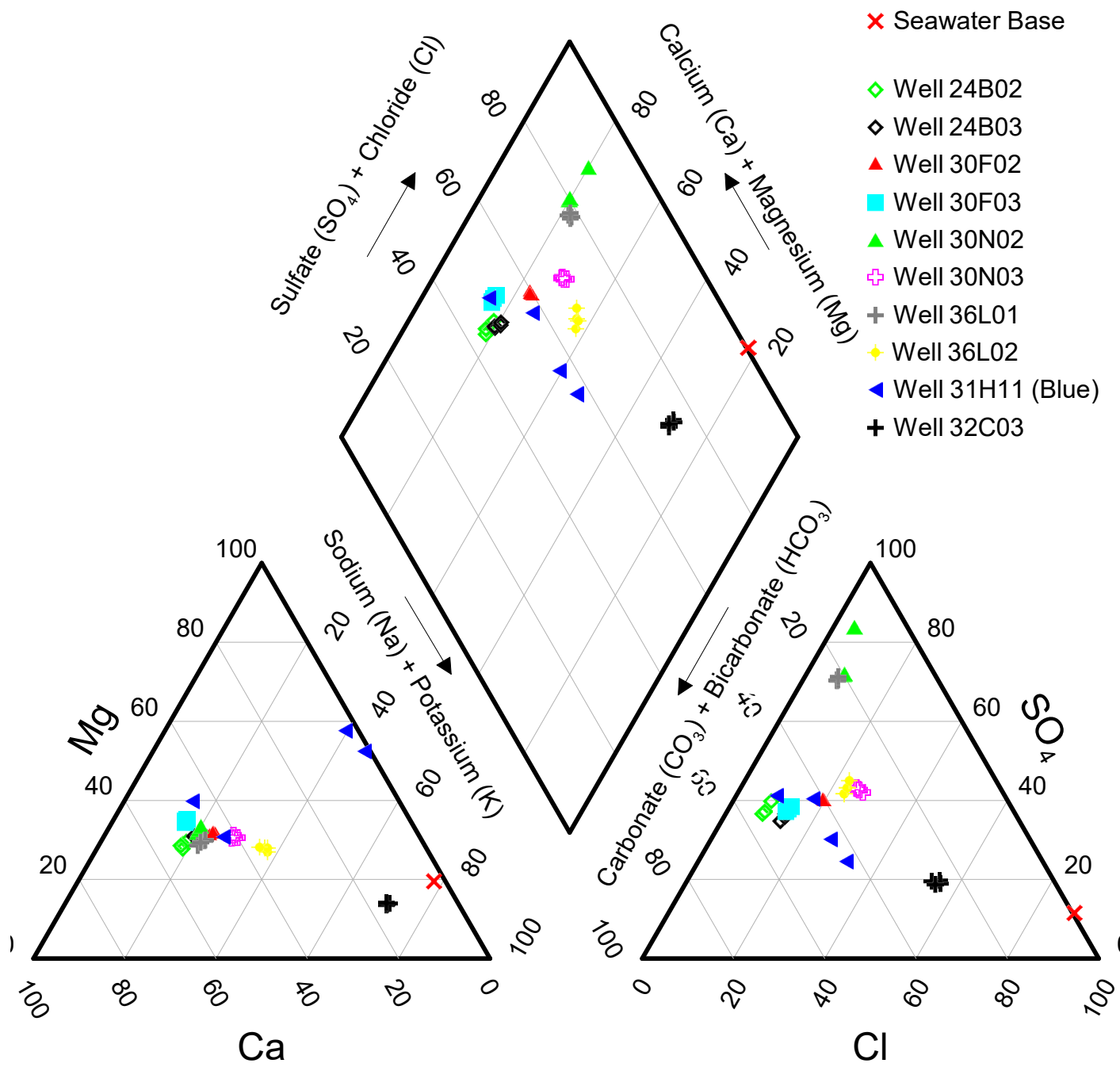
3.3.2 Analytical Results Summary

Analytical results of key water quality data, including chloride, TDS, and sodium, were generally consistent with historical concentrations and observed ranges of constituent concentrations during 2020. In general, no water quality results were observed that are a cause of concern.

Figure 23 is a Piper diagram, one of several means of graphically representing water quality. There appear to be three separate water quality types found in the monitoring wells:

1. The Pier Avenue deep well (30N02), screened in the Paso Robles Formation from 175 to 255 feet bgs, and Oceano Dunes intermediate well (36L01), screened in the Paso Robles Formation from 227 to 237 feet bgs, are screened in the same production zone. This is despite their different nomenclature as “deep” compared with “intermediate” wells. Relative to the other wells in the area, these two wells are high in sulfates and have calcium-magnesium-sulfate-rich water. Both wells are relatively low in chloride. This is significant because this zone, and well 30N02, was the site of an apparent seawater intrusion event in 2009–2010.
2. The County Monitoring Well No. 3 (32C03), screened from 90 to 170 feet bgs, in the Paso Robles Formation, has an apparent water quality that is different than any of the other wells in the area. It is relatively high in sodium, chloride, and potassium. Its location in the right quadrant of the diamond-shaped part of the Piper diagram (Figure 23) commonly characterizes a sodium-chloride-rich groundwater representative of marine or deep ancient groundwater, even though it is a relatively shallow well and screened within the Paso Robles Formation, a Plio-Pleistocene-age alluvial deposit. Although its overall water quality signature is quite different from seawater, it is more closely representative of seawater than any of the other wells in the area.
3. All of the other wells in the monitoring network fall into the third category of groundwater water quality. These wells are all generally a calcium-bicarbonate groundwater that is commonly associated with shallow groundwater. This grouping of water quality represents groundwater from wells that are screened in both the Paso Robles Formation and the Careaga Sand (wells 24B03, 30F03, and 36L02 are screened in the Careaga Sand; the others are screened in the Paso Robles Formation).

None of the water quality results from monitoring wells throughout 2020 indicate an incipient episode or immediate threat of seawater intrusion. Since the decline of TDS, sodium, and chloride concentrations following the 2009–2010 seasons, it is also clear that the location and inland extent of the seawater-fresh water interface is not known, except for the apparent indication that it was detected in well 30N02, 30N03, and OCSD MW-Blue, all of which are screened in the Paso Robles Formation. No indications of seawater intrusion have been observed in wells screened in the underlying Careaga Sand. At this time, without additional offshore data, the location of the interface or mixing zone is not known and will not be known unless and until it intercepts a monitoring well. The airborne electromagnetic survey conducted in 2020 (Section 1.7.4) is expected to provide important information regarding the seawater-fresh water interface.



P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 23 NCMA Piper Diagram.grf

Note: Data include "middle" and "deep" wells from 2020 quarterly sampling events.



FIGURE 23.
PIPER DIAGRAM OF WATER QUALITY IN SELECT MONITORING WELLS
 Northern Cities Management Area
 San Luis Obispo County, California

SECTION 4: Water Supply and Production/Delivery

4.1 Water Supply

The NCMA water supply consists of three major sources including Lopez Lake, the SWP, and groundwater. Each source of supply has a defined delivery volume that varies from year to year.

4.1.1 Lopez Lake

The Lopez Project consists of Lopez Lake, Lopez Dam, Lopez Terminal Reservoir, and Lopez Water Treatment Plant and is operated by SLOFCWCD Zone 3. SLOFCWCD Zone 3 provides treated water directly to the Zone 3 contractors and releases water to Arroyo Grande Creek for habitat conservation and agricultural use. The Zone 3 contractors include Arroyo Grande, Grover Beach, Pismo Beach, Oceano CSD, and CSA 12, which serves Avila Beach and is not in the NCMA.

The operational safe yield of Lopez Lake is 8,730 acre-feet per year (AFY), which reflects the amount of sustainable water supply during a drought of defined severity. Of this, 4,530 AFY is apportioned to the contractors and 4,200 AFY is reserved for downstream releases to maintain flows in Arroyo Grande Creek and provide groundwater recharge. The 2020 SLOFCWCD Zone 3 allocations are shown in Table 2.

Table 2. Lopez Lake (SLOFCWCD Zone 3 Contractors) Water Allocations (AFY)

Contractor	Normal Water Allocation, (AFY)
City of Arroyo Grande	2,290
City of Grover Beach	800
City of Pismo Beach	892
Oceano CSD	303
CSA 12 (not in NCMA)	245
Total	4,530
Downstream Releases	4,200
Safe Yield of Lopez Lake	8,730

Notes

AFY = acre-feet per year, CSA = County Service Area CSD = Community Services District
 SLOFCWCD = County of San Luis Obispo Flood Control & Water Conservation District
 NCMA = Northern Cities Management Area

In December 2014, SLOFCWCD Zone 3 adopted the Low Reservoir Response Plan (LRRP). The LRRP establishes actions that SLOFCWCD Zone 3 can take when the amount of water in storage in the reservoir drops below 20,000 AF, provided that the SLOFCWCD Board of Supervisors declares a drought emergency. The purpose of the LRRP is to limit downstream releases and municipal diversions from Lopez Lake to preserve water within the reservoir, above the minimum pool, for a minimum of 3 to 4 years under drought conditions.

The reduction strategies for the LRRP are tied to the amount of water in the reservoir. As the amount of water in the reservoir drops below the triggers (20,000; 15,000; 10,000; 5,000; and 4,000 AF), the hydrologic conditions are reviewed, and adaptive management is used to meet the LRRP objectives. The municipal diversions are to be reduced according to the strategies shown in Table 3.

Table 3. Lopez Lake Municipal Diversion LRRP Reduction Strategy

Amount of Water in Storage (AF)	Municipal Diversion	
	Reduction	AFY
20,000	0%	4,530
15,000	10%	4,077
10,000	20%	3,624
5,000	35%	2,941
4,000	100%	0

Notes

AF= acre-feet, AFY = acre-feet per year

The mandatory actions after the LRRP is enacted include (1) reductions in entitlement water deliveries; (2) reductions in downstream releases; (3) no new allocations of surplus water from unreleased downstream releases; and (4) extension of time that agencies can take delivery of existing unused water throughout the duration of the drought emergency, subject to evaporation losses if the water is not used in the year of original allocation. Included in the LRRP is an adaptive management provision that allows modification of the terms of the LRRP to match the initially prescribed reductions based on actual hydrologic conditions.

The downstream releases are to be reduced according to the strategies described in Table 4. The release strategies represent the maximum amount of water that can be released. The SLOFCWCD Zone 3 controls the timing of the reduced releases to meet the needs of the agricultural stakeholders and to address environmental requirements.

Table 4. Lopez Lake Downstream Release LRRP Reduction Strategy

Amount of Water in Storage (AF)	Downstream Release	
	Reduction	AFY
20,000	9.5%	3,800
15,000	9.5%	3,800
10,000	75.6%	1,026
5,000	92.9%	300
4,000	100%	0

Notes

AF= acre-feet, AFY = acre-feet per year

The LRRP was put into effect on April 1, 2015. Throughout 2015 and all of 2016, SLOFCWCD Zone 3 operated Lopez Lake pursuant to the 15,000 AF diversion reduction trigger that required a 10 percent reduction in municipal diversions. The 10,000 AF trigger requiring a 20 percent reduction was avoided because agencies enacted mandatory water conservation measures and utilized other sources of water including some minimal rainfall and SWP water. Lopez Lake recovered from a low of 11,000 AF in storage to a peak of more than 30,000 AF in May 2017, ending with approximately 25,000 AF at the start of 2018 because of the relatively heavy rainfall year of late 2016 and early 2017. Although contractually the LRRP is no longer in effect when both triggers are rescinded (i.e., the Board of Supervisors declaration of water emergency and reduction of reservoir levels to below 20,000 AF), the SLOFCWCD Zone 3 agencies resolved to keep the LRRP in effect.

Because the reservoir volume was above 20,000 AF, no mandatory reductions in municipal deliveries were required in 2017, 2018, or 2019.

In 2020, the reservoir storage level stayed above 20,000 AF until December, when it reached a level of 19,826 AF. The 2020 high storage level of the reservoir occurred in April, at 25,696 AF. Although the reservoir dropped slightly below the 20,000 AF mark in December, there were no mandatory reductions in municipal deliveries in 2020. The status of the reservoir and management actions related to the LRRP will be monitored throughout 2021 and adjusted accordingly based on winter 2021 rainfall and storage in Lopez Lake.

The total discharge from Lopez Lake in 2020 was 7,834 AF, of which 4,740 AF were delivered to NCMA contractors, 136 AF were delivered to CSA 12, and 2,958 AF were released downstream to maintain flow in Arroyo Grande Creek (Table 5).

When management of releases results in a portion of the 4,200 AFY remaining in the reservoir, or the contractors do not use their full entitlement for the year, the water is offered to the contractors as surplus water. Surplus water deliveries to the NCMA agencies in 2020 equaled 611 AF (Table 5).

Table 5. Lopez Lake Deliveries, 2020

Contractor	2020 Allocation Usage (AF)	2020 Surplus Usage (AF)	2020 Total Lopez Lake Water Delivery (AF)
Arroyo Grande	2,242	0	2,242
Grover Beach	789	0	789
Pismo Beach	795	250	1,045
Oceano CSD	303	361	664
Total NCMA 2020 Usage	4,129	611	4,740
CSA 12 (not in NCMA)	136	0	136
Downstream Releases	2,958	--	2,958
Total 2020 Lopez Lake Deliveries	7,223	611	7,834

Notes

AF= acre-feet CSD = Community Services District NCMA = Northern Cities Management Area

Source: SLOFCWCD Zone 3 Monthly Operations Reports

4.1.2 State Water Project

Pismo Beach and OCSD have contracts with SLOFCWCD Zone 3 to receive water from the SWP. The SLOFCWCD serves as the SWP contractor and provides imported water to local retailers through the SWP Coastal Branch (Coastal Branch) pipeline. Pismo Beach and OCSD, as subcontractors to SLOFCWCD, have annual contractual water delivery allocations, commonly referred to as Table A water, of 1,240¹⁹ AFY and 750 AFY, respectively (Table 6). In addition to its Table A allocation, Pismo Beach holds 1,240 AFY of additional allocation known as “drought buffer” and OCSD holds an additional allocation of 750 AFY of drought buffer. The additional drought buffer allocation held by the agencies is available to augment the SWP water supply when the SWP annual

¹⁹ 100 AF of which is owned by a private party.

allocation, i.e., percentage of SWP water available, is less than 100 percent. The additional allocations also increase each agency's water held in storage. In any given year; however, Pismo Beach's and OCSD's total SWP deliveries cannot exceed 1,240 AF and 750 AF, respectively.

Table 6. NCMA SWP Deliveries, 2020

Agency	Table A Allocation, AFY	Drought Buffer, AFY	2020 Delivery, AF
City of Arroyo Grande	--	--	--
City of Grover Beach	--	--	--
City of Pismo Beach ¹	1,140	1,240	677
Oceano CSD	750	750	60
Total Allocation/Usage, AFY	1,850	1,990	737

Notes

¹ Pismo Beach contracts for 1,240 AF of Table A water from the SWP, but 100 AF are owned by private parties.

AF=acre feet AFY= acre-feet per year CSD = Community Services District
 NCMA = Northern Cities Management Area

The SWP annual allocation for all contractors throughout California (including SLOFCWCD, Pismo Beach and Oceano CSD) for 2020 was initially set on December 2, 2019, at 10 percent of the Table A contractual allocation. The 2020 SWP allocation was then increased two times in 2020: to 15 percent on January 24 and to 20 percent on May 22. SWP contractors can store undelivered Table A water at the SWP facility in San Luis Reservoir (limitations exist on the amount that can be stored in any one year). This stored water is called "carryover water" and can be delivered in subsequent years, but total annual deliveries cannot exceed their Table A allocation due to capacity restrictions in the Coastal Branch. In addition, carryover water can be lost (or "spilled") if its storage interferes with storage of current-year SWP water for project needs.

For 2021, the initial allocation of the SWP contractors was set at 10 percent of Table A contractual allocation amounts on December 1, 2020.

The SWP supply has the potential to be affected by drought and environmental issues, particularly because of the endangered Delta smelt in the Sacramento-San Joaquin Delta (Delta). However, OCSD and Pismo Beach as well as the other SLOFCWCD subcontractors have not been negatively affected to date by reduced SWP supplies because of the SLOFCWCD's large amount of unsubscribed Table A allocation which has been used to fulfill subcontractors' requests, even in dry years. Therefore, even when SWP supplies are decreased, the SLOFCWCD's unsubscribed allocation and any carryover water in San Luis Reservoir provides a buffer so that contracted volumes to subcontractors such as OCSD and Pismo Beach may still be provided in full. During 2020, Pismo Beach took delivery of 677 AF of SWP water and OCSD took delivery of 60 AF of SWP water.

4.1.3 Groundwater

The 2008 Judgment and the 2002 Settlement Agreement govern the use of groundwater in the NCMA and establish that groundwater will continue to be allotted and independently managed by the NCMA agencies, NCMA overlying owners, and SLOFCWCD (collectively known as the Northern Parties). Each of the NCMA agencies has the capability to extract groundwater from municipal water supply wells located in the central and northern portions of the NCMA (Figure 24). Groundwater also satisfies agricultural irrigation and rural domestic use throughout the NCMA.

The calculated, consensus safe yield value of 9,500 AFY for the NCMA portion of the SMGB was included in the 2002 Settlement Agreement through affirmation of the 2001 Groundwater Management Agreement among the NCMA agencies. The basis of the safe yield was established in 1982 by a Technical Advisory Committee, consisting of representatives from Arroyo Grande, Grover Beach, Pismo Beach, OCSD, Avila Beach Community Water District, Port San Luis Harbor District, the Farm Bureau, and the County to deal with a safe yield allocation strategy and agreement not to exceed the safe yield of what was then called the Arroyo Grande Groundwater Basin. The basis for the committee's analysis was DWR (1979). The Technical Advisory Committee concluded that the safe yield was 9,500 AFY. These findings and the allocation of the safe yield were incorporated into a voluntary groundwater management plan (1983 Gentlemen's Agreement) and further formalized in the 2002 Settlement Agreement and the 2005 Stipulation.

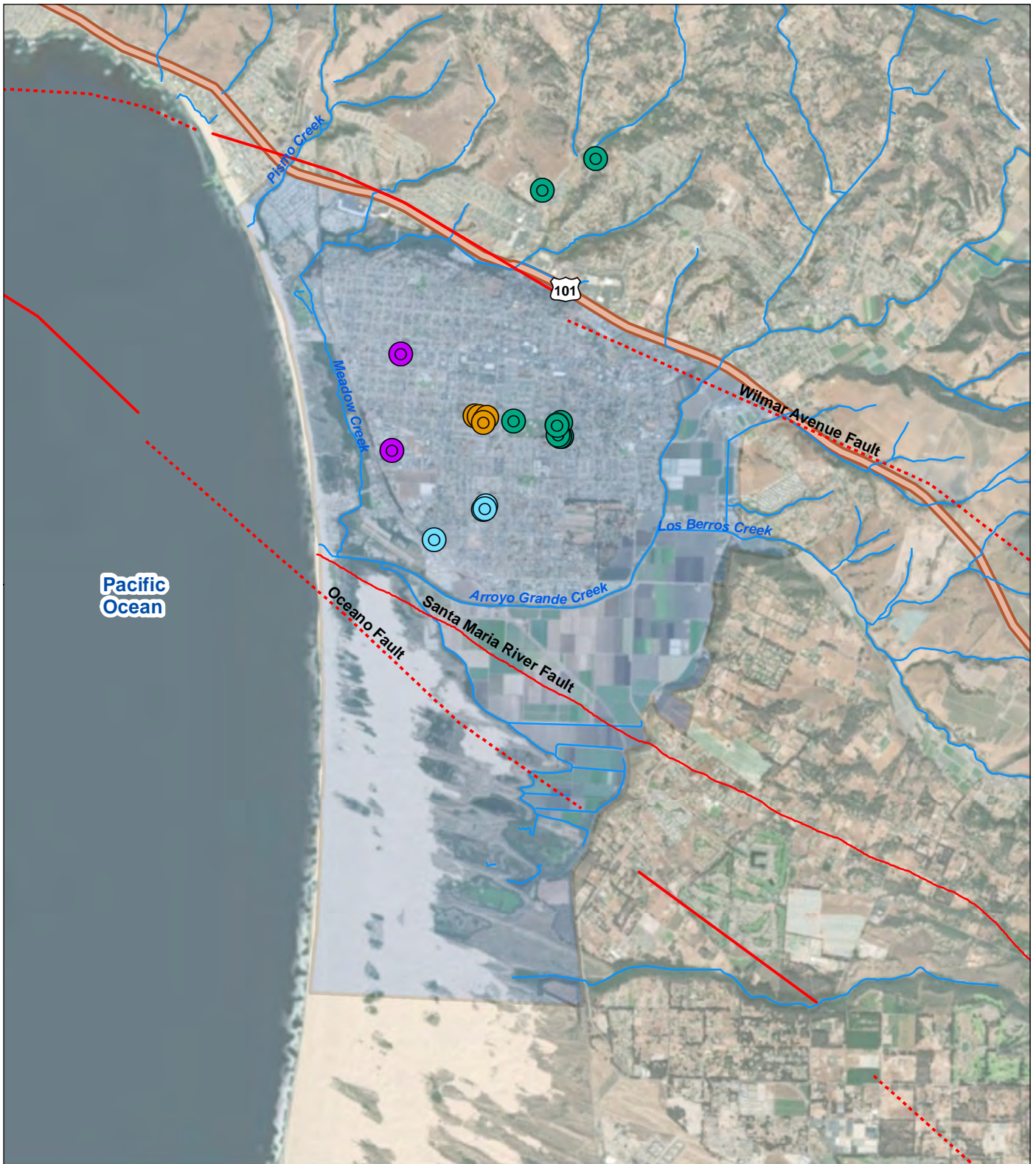
The 9,500 AFY safe yield provides allotments for agricultural irrigation of 5,300 AFY, subsurface outflow to the ocean of 200 AFY, and urban use entitlement of 4,000 AFY. The volume of the entitlement for urban use was subdivided as follows:

- Arroyo Grande: 1,202 AFY
- Grover Beach: 1,198 AFY
- Pismo Beach: 700 AFY
- OCSD: 900 AFY





The safe yield allotment for agricultural irrigation is significantly higher than the actual historical agricultural irrigation demand and the calculated amount for subsurface outflow is unreasonably low. Todd (2007) recognized that maintaining sufficient subsurface outflow to the coast and preservation of a westward groundwater gradient is essential to preventing seawater intrusion. A regional outflow of 3,000 AFY was estimated as a reasonable approximation (Todd, 2007) although the minimum subsurface outflow necessary to prevent seawater intrusion is unknown.

The 2001 Groundwater Management Agreement provides that groundwater entitlements of each of the urban agencies can be increased when land within the corporate boundaries is converted from agricultural use to urban use, which is referred to as an agricultural conversion credit. Agricultural conversion credits equal to 121 AFY and 209 AFY were developed in 2011 for Arroyo Grande and Grover Beach, respectively. These agricultural credits were unchanged during 2020.

Total groundwater production in the NCMA, including agricultural irrigation and rural uses, is shown in Table 7 (descriptions of agricultural irrigation applied water and rural use estimation are provided in Sections 4.2.1 and 4.2.2, respectively). The total estimated groundwater pumpage in 2020 from the NCMA portion of the SMGB was 3,064 AF.



LEGEND

-  City of Arroyo Grande Well
-  City of Grover Beach Well
-  City of Pismo Beach Well
-  Oceano Community Services District Well




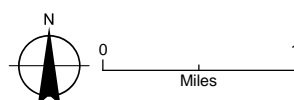
-  Northern Cities Management Area
-  Faults (dashed where inferred)
-  Streams

FIGURE 24

Locations of Municipal Production Wells

Northern Cities Management Area
San Luis Obispo County, California



Date: February 26, 2020
Data Sources: NCMA Agencies, USGS, California Geological Survey, ESRI

Document Path: Y:\nonGIS\0672_Northern_Cities_Management_Area\Source_Figures\006_2019_Annual_Report\Annual_Report\Figure24_Locations of Municipal Production Well.mxd



Table 7. NCMA Groundwater Entitlement and Production from Santa Maria Groundwater Basin, 2020

Total Entitlement/Use	Groundwater Entitlement + Ag Conversion Credit (AF)	2020 Groundwater Use from SMGB (AF)
Total Urban Groundwater Entitlement /Use	4,000 + 330 = 4,330	613
Total NCMA Groundwater Entitlement /Use	9,500	3,064

Notes

AF= acre-feet Ag = agriculture SMGB = Santa Maria Groundwater Basin CSD = Community Services District

4.1.4 Developed Water

The 2005 Stipulation states that “developed water” is “groundwater derived from human intervention” and states that this includes infiltration from the following sources: “Lopez Lake water, return flow, and recharge resulting from storm water percolation ponds.” Return flow results from deep percolation of water used in irrigation that is more than the requirement of the plant. Return flows have not been estimated recently but would be considered part of the groundwater basin inflow.

In 2008, Arroyo Grande, Grover Beach, and Pismo Beach prepared stormwater management plans. To control stormwater runoff and to increase groundwater recharge, each city now requires that new development construct onsite retention or detention ponds. As these new ponds or basins are constructed, the increase in groundwater recharge could result in recognition of substantial augmentation of basin yield and provision of recharge credits to one or more of the NCMA agencies (Todd, 2007). Thus, a re-evaluation of estimated stormwater recharge is warranted as new recharge facilities are installed and as additional information on flow rates, pond size, infiltration rates, and tributary watershed area becomes available. Pursuant to the 2001 Groundwater Management Agreement, calculation of recharge credits would be based on a mutually accepted methodology to evaluate the amount of recharge, including quantification of factors such as Lopez Lake and SWP recharge, stormwater runoff amounts, determination of effective recharge under various conditions, and methods to document actual recharge to developed aquifers.

4.1.5 Other Supplies

Arroyo Grande owns three water wells that are located outside the SMGB and pump groundwater from the Pismo Formation, which is the geologic bedrock unit in the area. Two of the wells are pumped by the City and used for municipal consumption; the third well is likely to be used in the future. There is no established allocation that limits the volume of groundwater that Arroyo Grande can pump from these wells, but for planning purposes the City assumes that they can pump up to 160 AFY for municipal use. The volume that Arroyo Grande pumps from these wells varies from year to year and is included in summary totals for urban water use, but the volume is not included in the summary totals for SMGB production.

4.1.6 Total Water Supply Availability

The baseline, or full allocation, water supply available to the NCMA agencies is summarized in Table 8. The baseline water supplies include 100 percent Lopez Lake allocation, SMGB groundwater entitlements, agricultural credits, and 100 percent delivery of SWP allocations. This baseline water supply does not include Lopez Lake surplus or SWP carryover, because these supplies vary from year to year and are not always available. The category “Other Supplies” includes groundwater pumped from outside the NCMA boundaries (outside the SMGB). The baseline supply for the NCMA agencies totals 10,625 AFY.

Table 8. Baseline (Full Entitlement) Available Urban Water Supplies (AFY)

Agency	Lopez Lake	SWP Allocation (at 100%)	Groundwater Entitlement	Ag Credit	Other Supplies	Total
City of Arroyo Grande	2,290	0	1,202	121	160	3,773
City of Grover Beach	800	0	1,198	209	0	2,207
City of Pismo Beach	892	1,100	700	0	0	2,692
Oceano CSD	303	750	900	0	0	1,953
Total	4,285	1,850	4,000	330	160	10,625

Notes

AFY= acre-feet per year Ag = agriculture CSD = Community Services District SWP = State Water Project

Table 9 summarizes the available water supply to the NCMA agencies in 2020, including Lopez Lake, Lopez Lake carryover (surplus) water, the 2020 SWP 20 percent Table A delivery schedule, and the available SWP carryover water. The total available water supply is a compilation of all components of each agency’s portfolio.

Table 9. Available Urban Water Supply, 2020

Agency	Lopez Lake Allocation	Lopez Lake Surplus	2020 SWP Allocation with Drought Buffer (at 20% Delivery)	2020 SWP Carryover	Groundwater Entitlement	Ag Credit	Other Supplies	Total, 2020
Arroyo Grande	2,290	911	0	0	1,202	121	160	4,684
Grover Beach	800	318	0	0	1,198	209	0	2,525
Pismo Beach	892	355	468 ¹	1,240 ²	700	0	0	3,187 ¹
Oceano CSD	303	121	300 ¹	750 ²	900	0	0	2,074 ¹
Total	4,285	1,705	768	1,990	4,000	330	160	12,470

Notes

All units in acre-feet (AF)

¹ In any given year, Pismo Beach's total SWP deliveries cannot exceed 1,240 AF and OCSD's deliveries cannot exceed 750 AF. In years when the Table A SWP allocation, plus drought buffer, plus carryover exceed 1,240 AF for Pismo Beach and 750 AF for OCSD, the total available SWP supply is capped at 1,240 AF for Pismo Beach and 750 AF for OCSD.

² Based on personal communication with Wes Thomson, SLOFCWCD, on January 13, 2021.

AF = acre-feet CSD = Community Services District SWP = State Water Project

4.2 Water Use

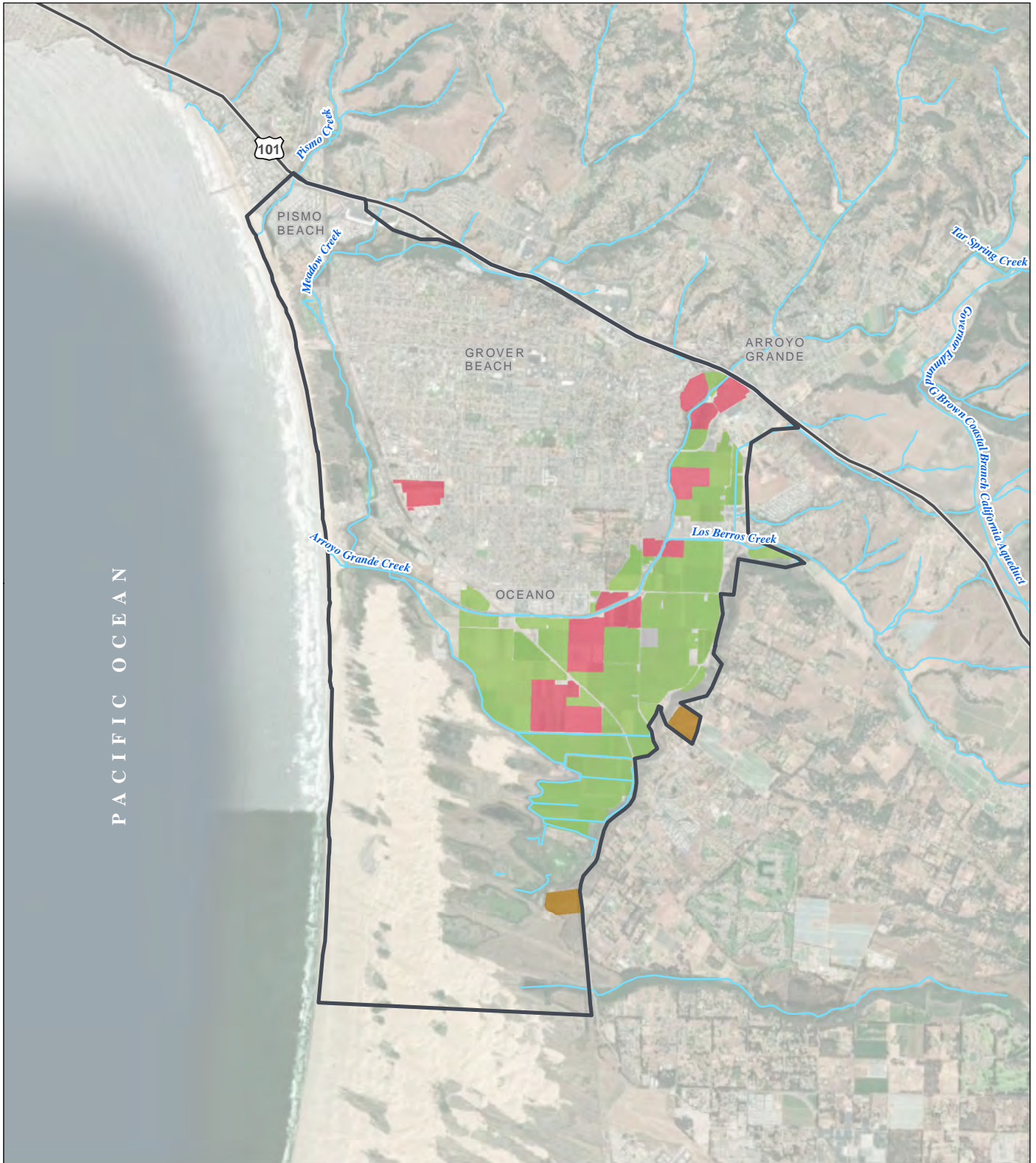
Water use refers to the total amount of water used to satisfy the needs of all water user groups. In the NCMA, water use predominantly serves urban production and agricultural applied water; a relatively small component of rural domestic use, including small community water systems; and domestic, recreational, and agriculture-related businesses.

4.2.1 Agricultural Water Supply Requirements

For the 2020 Annual Report, the applied irrigation demand estimations were updated using the 2015 Integrated Water Flow Model (IWF) Demand Calculator (IDC). The IDC is a stand-alone program that simulates land surface and root zone flow processes, and, importantly for this report, the agricultural water supply requirements for each crop type. IDC applies user-specified soil, weather, and land-use data to estimate and track the soil moisture balances. More specifically, available water within the root zone is tracked for each of the crops to simulate when irrigation events take place based on crop requirements and cultural irrigation practices. The data used in the IDC program for NCMA along with their respective sources are described below.

Data Used in the IDC

- **Land-use Information.** The San Luis Obispo County Agricultural Commissioner's Office compiles an annual estimate of irrigated acres in the County. A view displaying the irrigated agricultural lands within NCMA for 2020 is shown in Figure 25. The 2020 survey indicates a total of 1,474 acres of irrigated agriculture in the NCMA consisting predominantly of rotational crops. Table 10 lists the crop types and acreages found in the NCMA that were used in the IDC program.
- **Climate Data.** 2020 weather data from the SLOFCWCD rain gauge in Oceano and the CIMIS Nipomo Station were used for precipitation and data related to reference ET values, respectively. The data needed to calculate reference ET values include solar radiation, humidity, air temperature, and wind speed. Both weather stations are shown in Figure 6.
- **ET Values by Crop Category.** The DWR Consumptive Use Program (CUP) was used to estimate potential ET values based on specific annual climate data and crop type. The CUP used monthly climate data from the closest CIMIS station (Nipomo station) and includes crop coefficients to calculate ET values for the irrigated crop categories.



LEGEND

- Avocados
- Rotational Crops
- Strawberries

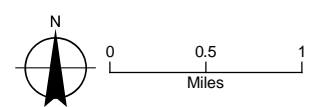
All Other Features

- Highway
- Watercourse
- Northern Cities Management Area

FIGURE 25

NCMA Agricultural Land 2020
 Northern Cities Management Area
 San Luis Obispo County, California

Date: January 26, 2021
 Data Sources: SLO County, NCMA, ESRI, USGS



Assumptions used in the analysis include the following:

- As the NCMA is located near the coast, agricultural practices are influenced significantly by the marine layer, a mass of air that may be of lower temperature and have higher humidity than air over inland areas. As seen in Figure 6, the Nipomo CIMIS station used for climatological data in both the CUP and IDC is located farther inland than the easternmost boundary of NCMA and the recorded weather data does not fully account for the cooling and moisture effects of the marine layer.
- Use of an unadjusted calculated ET value results in a higher ET value than that is actually taking place in the NCMA. Studies²⁰ have identified that ET values within the influence of the marine layer can be as much as 20 to 25 percent lower than ET values for the same crop located just outside of the marine layer influence. The distance the marine layer extends inland can vary from less than one-half mile to as much as 4 to 5 miles, depending on land topography. Low-lying areas have a higher frequency of marine layer coverage and for longer periods throughout the day.
- The NCMA is considered a low-lying area with boundaries extending between 2 and 5 miles inland. Recognizing that not all the crops would be affected by the marine layer but accounting for the cooling influence over some of the area, monthly ET values calculated based on the CIMIS Nipomo Station data were adjusted lower by 12 percent²¹ and are shown in Table 10.
- **Soil Data.** The Natural Resources Conservation Service Soil Survey Geographic Database was used to collect soil parameters in the NCMA for use in the IDC. The soil properties used include saturated hydraulic conductivity, porosity, and the runoff curve numbers. The field capacity and wilting points were developed on the basis of the described soil textures (i.e., sand, loam, sandy clay) and industry standards. The IDC relies on soil properties for estimating water storage, deep percolation, and runoff; all of which lead to a refined estimation of applied water.

Table 10. NCMA Crop Acreages and Calculated Evapotranspiration, 2020

Crop Type	Acreage	2020 Potential ET ¹ (AF/Acre)
Rotational Crops	1,113	1.9 ²
Strawberries	317	0.8
Avocados	45	1.8

Notes

¹ See ET Values by Crop Category, in text section above.

² Rotational crop ET is based on a rotation of two to three crops.

ET = evapotranspiration AF = acre-feet

Model Development and Computations

The IDC is written in FORTRAN 2003 using an object-oriented programming approach. The program consists of three main components: (1) input data files, (2) output data files, and (3) the numerical engine that reads data from input files, computes applied water demands, routes water through the root zone, and exports the results to the output files. The flow terms used in the root zone routing are defined in Table 11 and shown in

²⁰ Irrigation Training and Research Center <<http://www.itrc.org/etdata/etmain.htm>> (Cal Poly, 2019) provides typical-year (1997 Hydrology) ET values using various irrigation methods for Zone 3, the coastal outside marine layer; and Zone 1, the marine layer. The computed percentage reduction in ET to Zone 3 values range from 11 percent for rotational crops (small vegetables) to 19 percent for strawberries.

²¹ A single ET reduction value is used based on changing location and rotation of crop types relative to influence of marine layer.

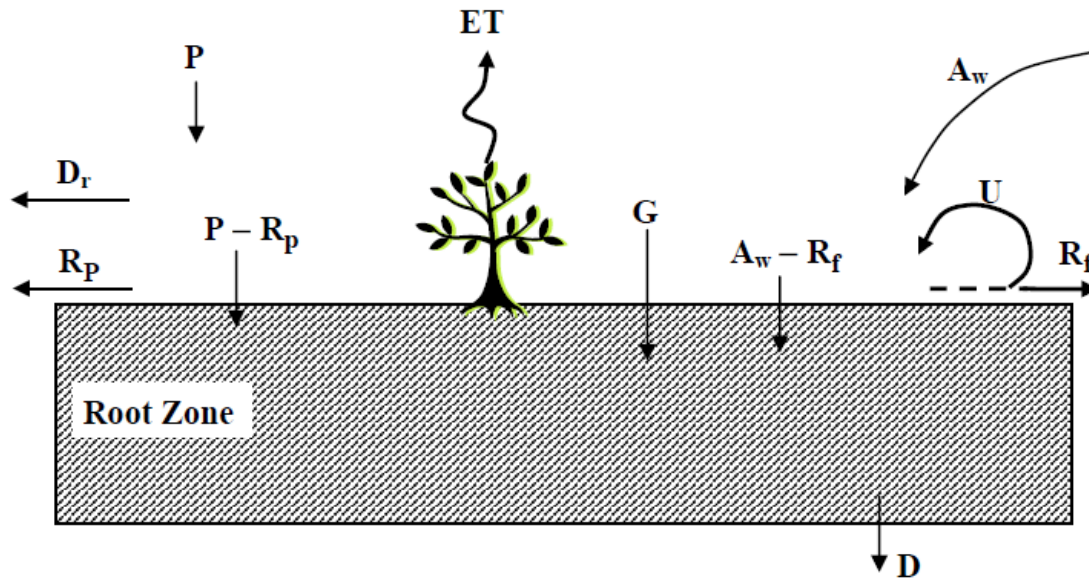
the graphic below the table. Drainage from ponded areas (D_r) was not applicable because there are no ponded crops in the NCMA; data related to generic soil moisture (G) were not available.

Table 11. Flow Terms Used in Root Zone Routing for IDC Model

Abbreviation	Term	Notes
P	Precipitation	User Specified
ET	Evapotranspiration	IDC Output
G	Generic source of moisture (i.e., fog, dew)	Data Not Available
A_w	Applied water	IDC Output
D_r	Outflow resulting from drainage of ponded areas (e.g., rice, refuges)	Not Applicable
R_p	Direct runoff	IDC Output
R_f	Return flow	User Specified (fraction of applied water)
U	Re-used portion of return flow	User Specified (fraction of return flow)
D	Deep percolation	IDC Output

Notes

Integrated Water Flow Model (IWFM) Demand Calculator (IDC) (DWR, 2016)



Source: California DWR (2016).

All extracted geospatial information was applied to a computational grid within the IDC framework to simulate the root zone moisture for 2020 in NCMA agricultural areas. The IDC provides the total water supply requirement for each crop category met through rainfall and applied irrigation water in agricultural areas based on user-defined parameters for crop evaporation and transpiration requirements, climate conditions, soil properties, and agricultural management practices. The sources for data related to crop demands (i.e., potential ET), climate conditions, and soil properties are discussed above. The computations for actual crop ET (versus potential ET), applied water, and deep percolation are described below.

The potential ET is the amount of water a given crop will consume through evaporation and/or transpiration under ideal conditions (i.e., fully irrigated 100 percent of the time). Fully irrigated conditions mean that the water required to meet all crop demands is available. Water is available to the crops when the soil moisture content within the root zone is between the field capacity and the wilting point. When the soil moisture is above the field capacity, some water will go to runoff and/or deep percolation; when the soil moisture is below the wilting point, it is contained in the smallest pore spaces within the root zone and considered unavailable to the crops.

The difference between the field capacity and the wilting point is the total available water (TAW). In IDC, when the soil moisture is above one-half of the TAW, the crop ET will be equal to the potential ET. However, if the soil moisture is below one-half of the TAW, the plants will experience water stress and ET decreases linearly until it reaches zero at the wilting point. This method of simulating water stress is similar to the method described in Allen et al. (1998) to compute non-standard crop ET under water stress conditions.

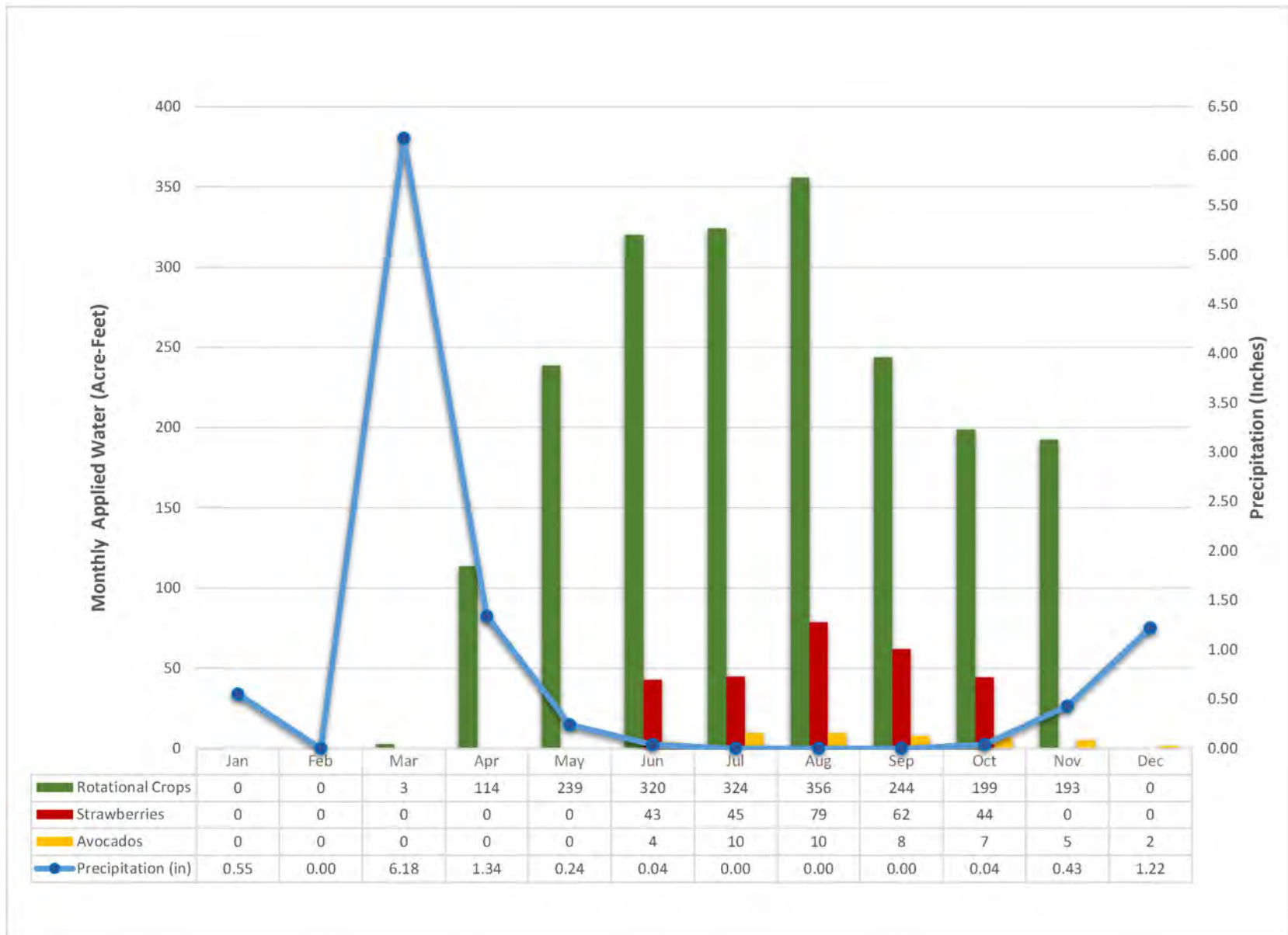
The IDC monitors the moisture content within the root zone and applies water by triggering an irrigation event when the calculated soil moisture is below a user-specified minimum allowable soil moisture requirement. For this application of the IDC, the minimum soil moisture requirement was set to trigger an irrigation event when the soil moisture fell below one-half the TAW to limit water stress in the crops. During an irrigation event, the soil moisture content in the root zone reaches field capacity. If precipitation occurs, soil moisture may increase above field capacity, generating deep percolation and potentially runoff, both depending on the quantity and temporal distribution of rainfall.

Deep percolation is the vertical movement of water through the soil column flowing out of the root zone resulting in the potential for groundwater recharge. The IDC applies the van Genuchten-Mualem equation (Mualem, 1976; van Genuchten, 1985) to compute deep percolation using the user-defined saturated hydraulic conductivity and pore size distribution.

Results

The total agricultural water supply requirements for 2020 was estimated to be 2,308 AF, and the effective precipitation (i.e., rainwater used by the crop) was 506 AF. Figure 26 illustrates the estimated crop water requirement in the NCMA as calculated by the IDC and displays the three identified crop types and their estimated monthly applied water. The rotational crops have the highest water supply requirements because they cover the greatest area (see Figure 25) and have the greatest annual ET (Table 12).

The estimated agricultural water supply requirement of 2,308 AF in 2020 is comparable to the estimated 2,506 AF in 2019; 2,651 AF in 2018; 2,536 AF in 2017; 2,494 AF in 2016; 3,008 AF in 2015; and 2,955 AF in 2014. In 2014, the methodology of estimating agricultural water requirements was modified from an estimated applied rate based on hydrologic conditions to the IWFM IDC methodology described here.



P:\Portland\672-Northern Cities Management Area\005-2018 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 24 2017 NCMA Estimated Agricultural Water Demand and Monthly Precipitation at the CIMIS Nipomo Station

FIGURE 26.
2020 ESTIMATED AGRICULTURAL WATER DEMAND AND MONTHLY PRECIPITATION AT THE SLO NO. 795 GAUGE
 Northern Cities Management Area
 San Luis Obispo County, California



Table 12. IDC Model Results of Monthly Applied Water, 2020

	Monthly Applied Water (AF)												Annual Total (AF)
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Rotational Crops	--	--	3	114	239	320	324	356	244	199	193	--	1,990
Strawberries	--	--	--	--	--	43	45	79	62	44	--	--	273
Avocados	--	--	--	--	--	4	10	10	8	7	5	2	45
Total	0	0	3	114	239	367	379	444	314	250	198	2	2,308
	Monthly Precipitation (inches)												Annual Total (inches)
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Precipitation	0.55	--	6.18	1.34	0.24	0.04	--	--	--	0.04	0.43	1.22	10.04
	Monthly Unit Water Demand (AF/Acre)												Annual Total (AF/Acre)
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Rotational Crops	--	--	0.00	0.10	0.21	0.29	0.29	0.32	0.22	0.18	0.17	--	1.79
Strawberries	--	--	--	--	--	0.14	0.14	0.25	0.20	0.14	--	--	0.86
Avocados	--	--	--	--	--	0.09	0.22	0.22	0.18	0.16	0.12	0.04	1.00
Area Weighted Average	0.00	0.00	0.00	0.08	0.16	0.25	0.26	0.30	0.21	0.17	0.13	0.00	1.57

Notes

AF = acre-feet AF/Acre = acre-feet per acre

4.2.2 Rural Use

In the NCMA, rural water use refers to groundwater pumping not designated as urban use or agricultural irrigation applied water and includes small community water systems, individual domestic water systems, recreational uses, and agriculture-related business systems. Small community water systems using groundwater in the NCMA were identified initially through a review of a list of water purveyors compiled in the 2007 County IRWMP. These include the Halcyon Water System, Ken Mar Gardens, and Pacific Dunes RV Resort. The Halcyon Water System serves 35 homes in the community of Halcyon, and Ken Mar Gardens provides water supply to 48 mobile homes on South Halcyon Road. The Pacific Dunes RV Resort, with 215 RV sites, provides water supply to a largely transitory population and a nearby riding stable. In addition, an inspection of aerial photographs of rural areas within NCMA has identified about 25 homes and businesses that are served by private wells. Two mobile home communities, Grande Mobile and Halcyon Estates, are served by OCSD through the distribution system of Arroyo Grande. Therefore, the production summary of OCSD includes these two communities. Based on prior reports, it is assumed that the number of private wells is negligible within the service areas of the NCMA agencies.

The Pismo Beach Golf Course uses an onsite water well for turf irrigation. The pumped water is not metered, and the golf course operators do not know the total water use. An estimate of water demand for the golf course is based on the irrigated acreage, sandy soils, near-ocean climate, and water duty factors from the U.S. Golf Association, Alliance for Water Efficiency, U.S. Golf Courses Organization of America, and several other sources. The estimated rural water demand is provided in Table 13.

Table 13. Estimated Rural Water Production, 2020

Groundwater User	No. of Units	Estimated Water Production, AFY per Unit	Estimated Annual Water Production, AF	Notes
Halcyon Water System	35	0.40	14	1
Ken Mar Gardens	48	--	7	2
Pacific Dunes RV Resort	215	0.03	6	3
Pismo Beach Golf Course	--	--	45	4
Rural Users	25	0.40	10	1
Current Estimated Rural Production			82	

Notes

¹ Water use/unit based on 2000 and 2005 Grover Beach water use per connection, 2005 UWMP.

² Demand based on metered water usage.

³ Water use/unit assumes 50 percent annual occupancy and 0.06 AFY per occupied site.

⁴ Estimated golf course demand, based on estimated water duty factor, annual ET, and irrigated acreage.

AF=acre feet

AFY = acre-feet per year

ET = evapotranspiration

UWMP = Urban Water Management Plan

4.2.3 Urban Production for Potable Use

Urban water production for potable use is presented in Table 14 for each of the NCMA agencies from 2005 through 2020. These values reflect Lopez Lake deliveries, SWP deliveries, groundwater production data, and system losses, and represent all water used within the service areas of the four NCMA agencies. In the last 15 years, urban water production has ranged from 5,476 AF (2016) to 8,982 AF (2007). There has been an overall decline in urban production since 2007, although there were slight increases in 2012, 2013, 2017, and 2018. The long-term declining trend in production is likely attributed to the relatively slow economy from 2009 through 2012 and conservation activities implemented by the NCMA agencies in response to the historical drought. Since 2013, when urban production was 7,939 AF, urban production declined dramatically to 2016 to the lowest level in at least the past 20 years. The urban production increased slightly in 2017 and 2018 but declined in 2019 to 5,660 AF.

Table 14. Historical Urban Water Production for Potable Use (Groundwater and Surface Water)

Year	Arroyo Grande	Grover Beach	Pismo Beach	OCSD	Total Urban	Percentage of 2013 Production ¹
2005	3,460	2,082	2,142	931	8,615	—
2006	3,425	2,025	2,121	882	8,453	—
2007	3,690	2,087	2,261	944	8,982	—
2008	3,579	2,051	2,208	933	8,771	—
2009	3,315	1,941	2,039	885	8,180	—
2010	2,956	1,787	1,944	855	7,542	—
2011	2,922	1,787	1,912	852	7,473	—
2012	3,022	1,757	2,029	838	7,646	—
2013	3,111	1,792	2,148	888	7,939	—
2014	2,752	1,347	1,949	807	6,856	—
2015	2,239	1,265	1,736	703	5,943	75%
2016	1,948	1,210	1,646	672	5,476	69%
2017	2,194	1,248	1,700	718	5,860	74%
2018	2,212	1,221	1,720	725	5,878	74%
2019	2,139	1,193	1,648	680	5,660	71%
2020	2,317	1,289	1,777	743	6,126	77%

Notes

¹ On April 1, 2015, California Governor Jerry Brown issued an executive order (B29-2015) mandating statewide reductions in water use. The order directs the State Water Resources Control Board to implement mandatory water reductions in cities and towns across California to reduce water usage by 25 percent, compared to the amount used in 2013, through February 2016.

All units in acre-feet (AF)

— = not applicable AF = acre-feet OCSD = Oceano Community Services District

4.2.4 2020 Groundwater Pumpage

Total SMGB groundwater production in the NCMA, including urban production, applied agricultural water requirements, and rural pumping, is shown in Table 15. Total estimated SMGB groundwater pumpage in the NCMA in 2020 was 3,064 AF, which represents a decrease from 2019 (3,320 AF) and the lowest volume of groundwater production from the NCMA portion of the SMGB in at least the last 20 years.

Table 15. NCMA Groundwater Pumpage from Santa Maria Groundwater Basin, 2020 (AF)

Agency	Groundwater Entitlement + Ag Conversion Credit (AF)	2020 Groundwater Use from SMGB (AF)	Percent Pumped of Groundwater Entitlement
Arroyo Grande	1,202 + 121 = 1,323	39	3%
Grover Beach	1,198 + 209 = 1,407	500	42%
Pismo Beach	700	55	8%
Oceano CSD	900	19	2%
Total Urban Groundwater Entitlement /Use	4,000 + 330 = 4,330	613	15%
Agricultural Irrigation Applied Water	5,300 - 330 = 4,970	2,308	50%
Nonpotable Irrigation by Arroyo Grande	--	61	--
Rural Water Users	--	82	--
Estimated Subsurface Outflow to Ocean (2001 Groundwater Management Agreement)	200	--	--
Total NCMA Groundwater Entitlement /Use	9,500	3,064	32%

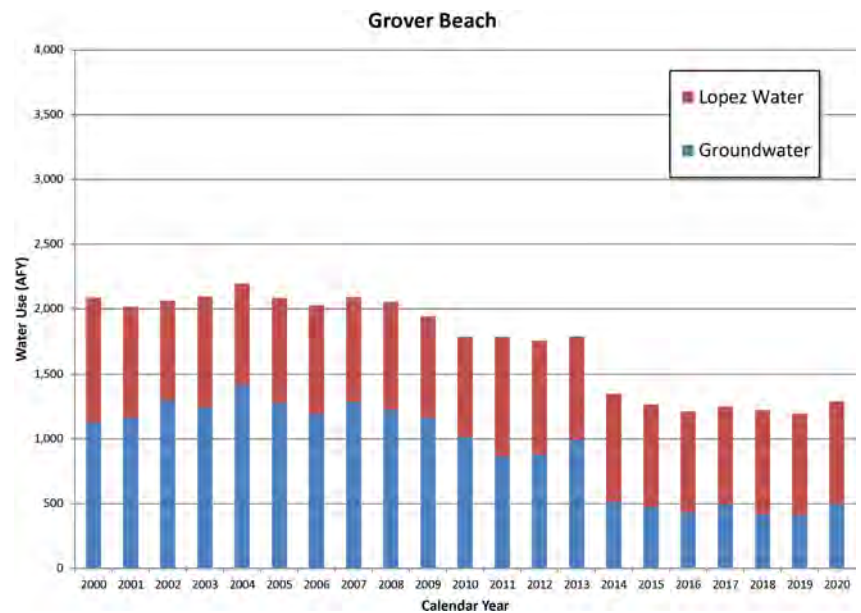
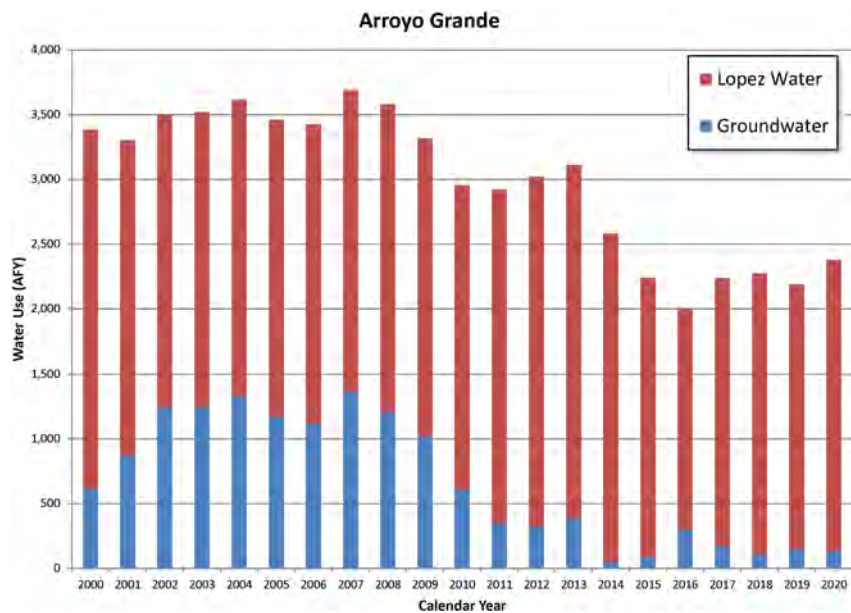
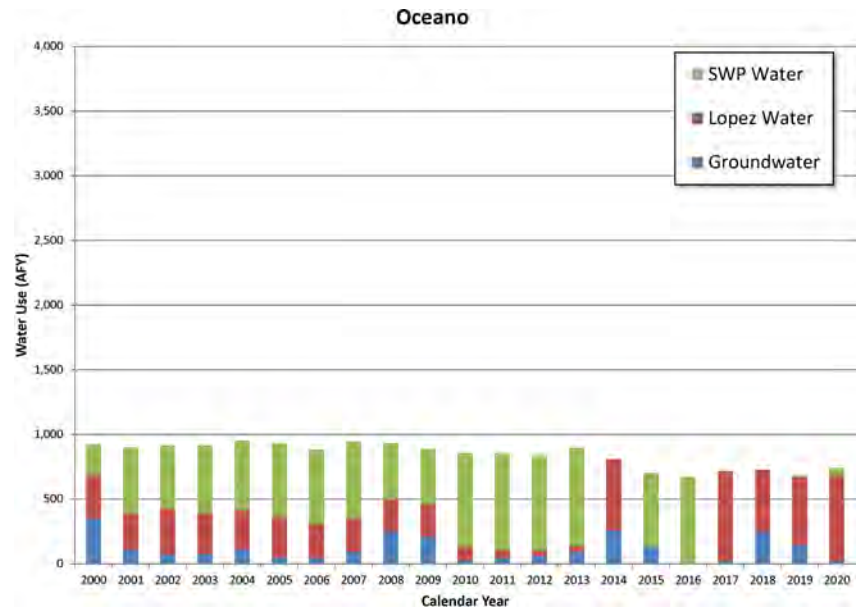
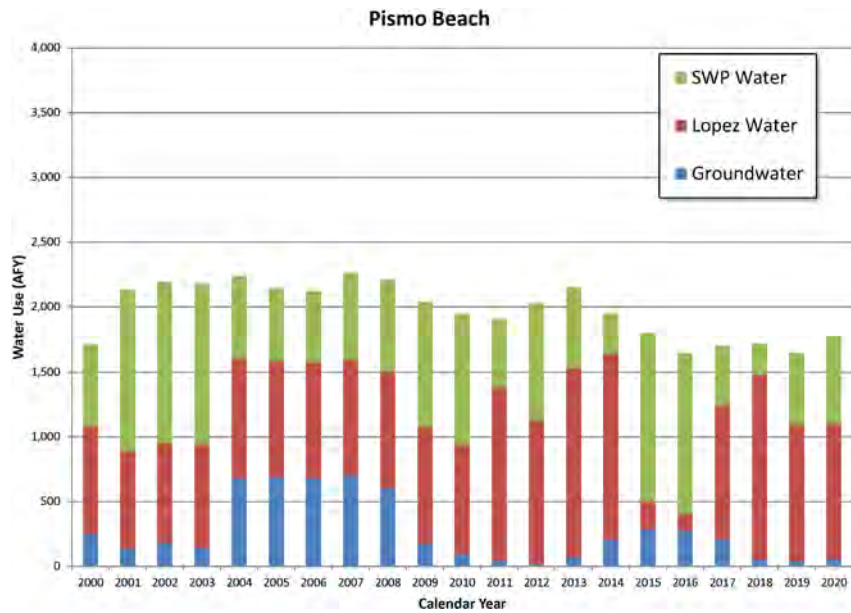
Notes

AF = acre-feet Ag = agriculture CSD = Community Services District NCMA = Northern Cities Management Area

The total estimated groundwater pumpage of 3,064 in 2020 represents about 32 percent of the calculated safe yield of 9,500 AFY for the NCMA portion of the SMGB.

A graphical depiction of water uses by supply source for each NCMA agency since 2000 is presented as Figure 27. The graphs depict changes in water supply availability and use over time, including the increased use of SWP water during the early years of the period when SWP Table A deliveries were greater. The increased dependence in 2017, 2018, 2019, and 2020 on Lopez Lake is illustrated in this graphic. Although all four agencies pumped groundwater as part of their supply portfolios in 2020, groundwater pumped from the SMGB constituted a minor part of the overall water supply, an amount of 674 AF²² or 11 percent of overall urban use.

²² This total includes the 613 AF pumped by NCMA agencies and the 61 AF of non-potable irrigation production in Arroyo Grande.



P:\Portland\672-Northern Cities Management Area\006-2019 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 27 NCMA Municipal Water Use by Source.grf

FIGURE 27. MUNICIPAL WATER USE BY SOURCE
Northern Cities Management Area
San Luis Obispo County, California

Notes:
AFY - Acre-feet per year
SWP - California State Water Project



As shown in Figure 28, groundwater pumpage reached a peak in 2007 and then declined in 2008, 2009, and 2010. From 2010 through 2013, pumpage increased slightly every year, but even so, overall groundwater use remained significantly lower than previous annual pumpage rates. From 2013 through the present, annual pumpage totals have been on a downward trend. In 2020, urban potable groundwater use declined to 613 AF, which is 15 percent of the 4,330 AF of combined urban groundwater entitlement and agricultural conversion credit.

4.2.5 Changes in Water Production

Historical water use for urban uses, agricultural irrigation, and rural uses is shown in Table 16.

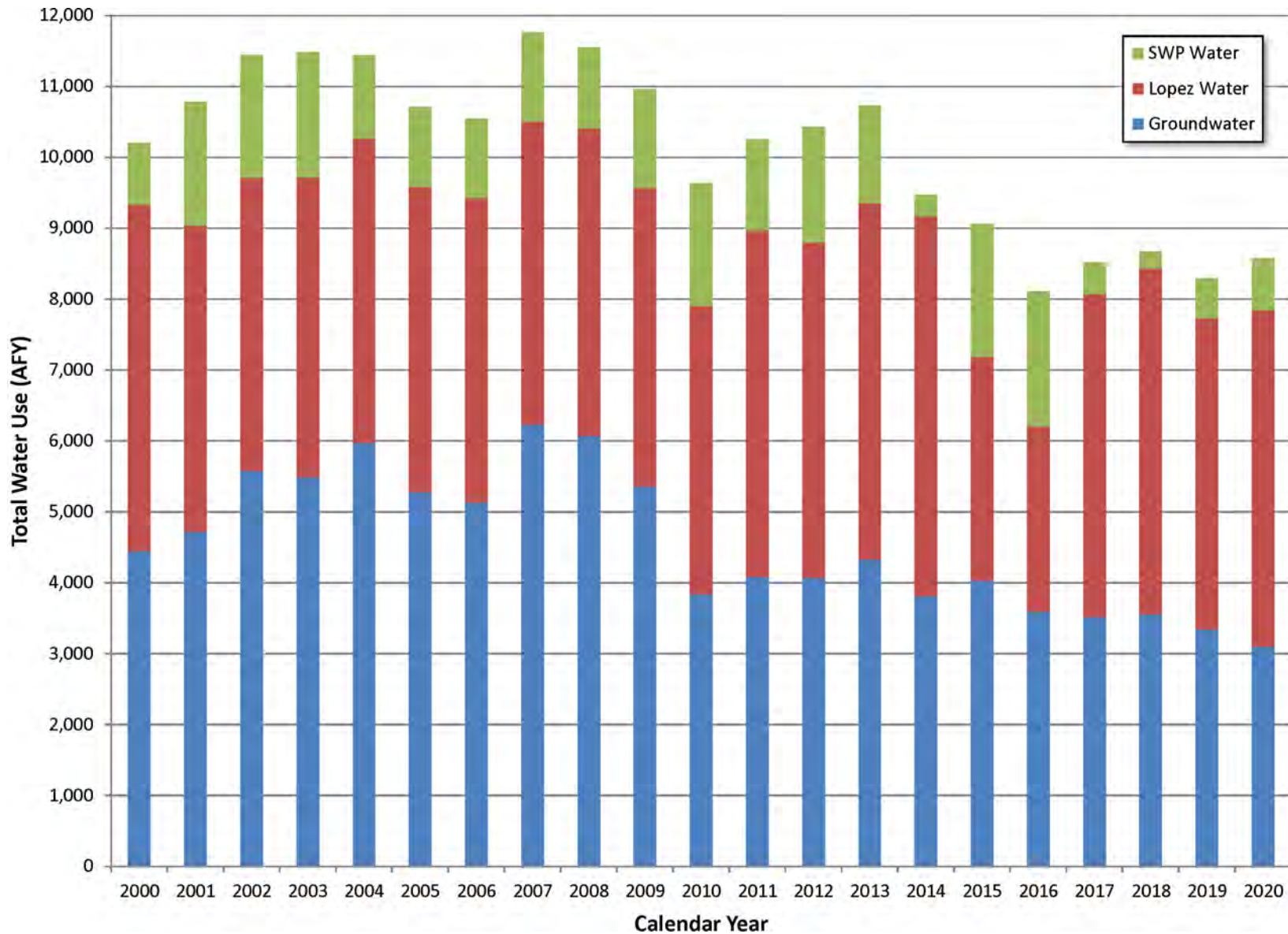
Table 16. Historical Total Water Use (Groundwater and Surface Water, AF)

Year	Arroyo Grande	Grover Beach	Pismo Beach	OCSD	Total Urban	Agricultural Irrigation ¹	Rural Water	Total Use
2005	3,460	2,082	2,142	931	8,615	2,056	36	10,707
2006	3,425	2,025	2,121	882	8,453	2,056	36	10,545
2007	3,690	2,087	2,261	944	8,982	2,742	36	11,760
2008	3,579	2,051	2,208	933	8,771	2,742	36	11,549
2009	3,315	1,941	2,039	885	8,180	2,742	36	10,958
2010	2,956	1,787	1,944	855	7,542	2,056	38	9,636
2011	2,922	1,787	1,912	852	7,473	2,742	38	10,253
2012	3,022	1,757	2,029	838	7,646	2,742	41	10,429
2013	3,111	1,792	2,148	888	7,939	2,742	42	10,722
2014	2,752	1,347	1,949	807	6,855	2,955	38	9,848
2015	2,239	1,266	1,736	703	5,943	3,008	38	8,990
2016	1,948	1,210	1,646	672	5,476	2,551	81	8,108
2017	2,194	1,248	1,700	718	5,860	2,579	80	8,519
2018	2,212	1,221	1,720	725	5,878	2,713	81	8,672
2019	2,139	1,193	1,648	680	5,660	2,554	82	8,296
2020	2,317	1,289	1,777	743	6,126	2,369	82	8,577

Notes

¹ Irrigation applied water includes agricultural irrigation plus SMGB non-potable irrigation by Arroyo Grande.

AF = acre-feet CSD = Community Services District



P:\Portland\672-Northern Cities Management Area\005-2018 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 26 NCMA Total Water Use by Source

FIGURE 28. TOTAL WATER USE (URBAN, RURAL, AGRICULTURAL) BY SOURCE
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 AFY - Acre-feet per year
 SWP - California State Water Project



In general, urban water production has ranged from 8,982 AF in 2007 (Table 16) to 5,476 AF in 2016. Total water use since 2007 has been on a general downward trend; this overall decline in water use may be attributed to conservation activities implemented by the NCMA agencies in response to the drought.

In the agricultural irrigation category, agricultural acreage has remained fairly constant. Thus, annual applied water for agricultural irrigation varies mostly with weather conditions. Acknowledging the variability caused by weather conditions, agricultural irrigation applied water is not expected to change significantly given the relative stability of applied irrigation acreage and cropping patterns in the NCMA south of Arroyo Grande Creek.

Changes in rural domestic pumping have not been significant.

This page intentionally left blank for duplex printing.

SECTION 5: Comparison of Water Supply and Water Production

The Baseline Available Urban Water Supplies for each of the NCMA agencies is 10,625 AFY, assuming 100 percent delivery of SWP allocation and assuming no Lopez Lake surplus water or SWP carryover (Table 8). In 2020, because of the availability of Lopez Lake surplus water and SWP carryover water, the total available urban water supply was 12,470 AF (Table 9).

As described in the 2001 Groundwater Management Agreement and affirmed in the 2002 Settlement Agreement, the calculated safe yield from the NCMA portion of the SMGB is 9,500 AFY (Tables 8 and 15). Because all agricultural irrigation water use is supplied by groundwater, the total available agricultural irrigation supply is a portion of the estimated safe yield; this portion was allocated as 5,300 AFY for agricultural and rural use. The agricultural conversion of 330 AFY reduces this allocation to 4,970 AFY. Of the estimated safe yield of 9,500 AFY, other than what is allocated for agricultural irrigation and rural use, the remaining 4,330 AFY is allocated for urban water use (4,330 AFY, including 4,000 AFY groundwater allocation plus 330 AFY in agricultural conversion credit) and an estimated 200 AFY for subsurface outflow to the ocean.

In 2020, the total estimated NCMA water production was 8,577 AF (Table 17). The 2020 water production of each city and agency is shown by source in Table 17. Note that the production volumes described here are gross production (if pumped groundwater) and gross deliveries (if surface water deliveries) and equal net consumptive demand plus losses and return water.

Table 17. Water Production by Source, 2020 (AF)

Agency	Lopez Lake	State Water Project	SMGB Groundwater	Other Supplies ¹	Total
Urban Area					
Arroyo Grande	2,242	0	39	36	2,317
Grover Beach	789	0	500	0	1,289
Pismo Beach	1045	677	55	0	1,777
Oceano CSD	664	60	19	0	743
Urban Water Use Total	4,740	737	613	36	6,126
Non-Urban Area					
Agricultural Irrigation Applied Water	0	0	2,308	0	2,308
Rural Water Users	0	0	82	0	82
Non-potable Irrigation by Arroyo Grande	0	0	61	0	61
Total	4,740	737	3,064	36	8,577

Notes

¹ Other Supplies includes groundwater pumped from outside the NCMA boundaries.

AF = acre-feet CSD = Community Services District SMGB = Santa Maria Groundwater Basin

As shown in Table 17, water for urban use in 2020 was supplied to the NCMA from 4,740 AF of Lopez Lake water; 737 AF of SWP water; and 613 AF of groundwater. Arroyo Grande produced 36 AF from its Pismo Formation wells in 2020.

Based on the calculated yield of the NCMA portion of the SMGB, the baseline, or full allocation, of total available supply for all uses is 15,595 AFY, which is the sum of 10,625 AFY for urban use plus the allocation for agricultural irrigation and rural area of 4,970 AFY. In 2020, factoring in the SWP delivery schedule and availability of SWP carryover water and Lopez Lake surplus, the total available supply for all uses was 12,470 AF (Table 9) compared with actual 2020 NCMA water use of 8,577 AF (Table 17). It must be noted, however, that this comparative review of available 2020 supply versus production must be viewed with caution because of the potential threats to the groundwater supply (see Section 6.1, below). As described earlier, the NCMA agencies pumped only 15 percent of their “available” groundwater entitlement. Even with such minimal utilization of groundwater resources, a minor decrease of groundwater in storage occurred in the NCMA portion of the SMGB. It is clear that the NCMA agencies could not have used their entire groundwater entitlement in 2020 without significantly lowering water elevations below current conditions and potentially seriously exacerbating the threat of seawater intrusion.

SECTION 6: Threats to Water Supply

Because the NCMA agencies depend on both local and imported water supplies, changes in either state-wide or local conditions can threaten the NCMA water supply. Water supply imported from other areas of the state may be threatened by state-wide drought, effects of climate change in the SWP source area, management and environmental protection issues in the Delta that affect the amount and reliability of SWP deliveries, and risk of seismic damage to the SWP delivery system. Local threats to the NCMA water supply similarly include extended drought and climate change that may affect the yield from Lopez Lake and reduced recharge to the NCMA. In addition, the NCMA is not hydrologically isolated from the NMMA and the rest of the SMGB, and water supply threats in the NMMA are a potential threat to the water supply sustainability of the NCMA.

There is a potential impact from seawater intrusion if the groundwater system, including the entire SMGB, is not adequately monitored and managed. In particular, management of the SMGB may need to account for sea level rise and the relative change in groundwater gradient along the shoreline.

6.1 Threats to Local Groundwater Supply

6.1.1 Declining Water Levels

Water levels in the NCMA portion of the SMGB exhibited an overall declining trend for many years but have started to recover since about 2016. Important factors for maintaining water levels are managing inflow and outflow to the aquifer.

- **Inflow:** An important inflow component to the NCMA area is subsurface inflow into the aquifers that supply water wells serving the NCMA. Historically, subsurface inflow to the NCMA from the Nipomo Mesa along the southeast boundary of the NCMA has been an important component of groundwater recharge. This inflow is reduced from historical levels, as first recognized in 2008–2009, to “something approaching no subsurface flow” because of lower groundwater levels in the NMMA (NMMA 2nd Annual Report CY 2009, page 43) (NMMA, 2010). This condition continues, as described in all subsequent NMMA annual reports.
- **Outflow:** A major outflow component is groundwater pumpage. Total SMGB groundwater pumping in the NCMA (urban, agricultural, and rural domestic) was 3,064 AF in 2020, which is 32 percent of the court-accepted 9,500 AF safe yield of the NCMA portion of the SMGB. Such minimal utilization of the groundwater resource resulted in only a minor gain of groundwater in storage in the aquifer and a relatively slight rise in water level elevations. However, it is clear that the NCMA agencies could not have used their entire groundwater entitlement in 2020 without significantly lowering water elevations below current conditions and potentially seriously exacerbating the threat of seawater intrusion.

The serious drought from 2011 to 2015 resulted in a steady decline in groundwater in storage in the NCMA portion of the SMGB. The recent slight increase of groundwater in storage (despite groundwater pumping at only 35 percent of the safe yield, which seemingly should have resulted in significant increases in groundwater in storage) illustrates the impacts of the recent drought. However, it also illustrates the impacts of reduced subsurface inflow recharge from the east (Nipomo Mesa). This condition of a long-term decline in groundwater in storage in the NCMA, even though total pumping is currently 32 percent of the safe yield, will be exacerbated if the NCMA agencies are required to increase groundwater withdrawals because of a reduction or total loss in local surface water supplies or SWP deliveries.

6.1.2 Seawater Intrusion

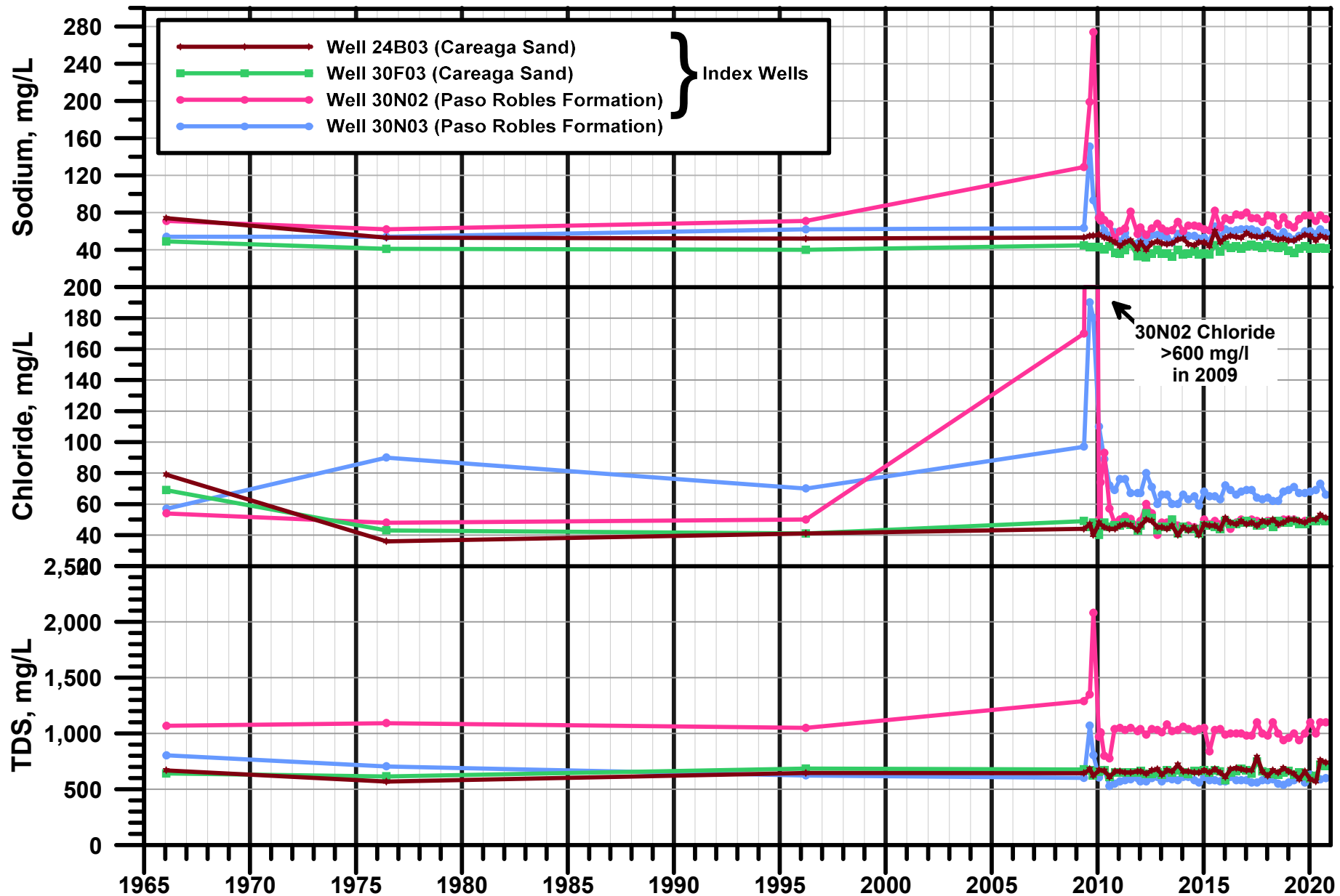
The NCMA is underlain by an accumulation of alluvial materials that slope gently offshore and extend for many miles under the ocean (DWR 1970, 1975). Coarser materials within the alluvial materials comprise aquifer

zones that receive freshwater recharge in areas above sea level. If sufficient outflow from the aquifer occurs, the dynamic interface between seawater and fresh water will be prevented from moving onshore. Sufficient differential pressure to maintain a net outflow is indicated by onshore groundwater elevations that are above mean sea level and establish a seaward gradient to maintain that outflow.

The 2008 NCMA Annual Report documented that a portion of the aquifer underlying the NCMA exhibited water surface elevations below sea level (NCMA, 2008). Hydrographs for NCMA sentry wells and the Deep Well Index (Figures 11 through 15) show that coastal groundwater elevations were at relatively low levels for as long as 2 years during that time. Such sustained low levels had not occurred previously in the historical record and reflected the impact of drought on groundwater levels. The low coastal groundwater levels indicated a potential for seawater intrusion.

Elevated concentrations of TDS, chloride, and sodium were observed in wells 30N03 and 30N02 beginning in May 2009, indicating potential seawater intrusion (Figures 29 and 30). OCSD MW-Blue also showed elevated concentrations of TDS and chlorides, but a concurrent decline in sodium (Figure 30). Concentrations declined to historical levels in well 30N03 by July 2010 and declined in well 30N02, one of the sentry wells comprising the Deep Well Index, to historical levels by October 2009. Comparing well 30N02 to the other Deep Well Index wells, the other Deep Well Index wells showed no elevated concentrations during the same period. However, comparing well 30N02 to wells with similar screen elevations (Figure 4), wells 36L01 (approximately 12,000 feet south of well 30N02) and the OCSD MW-Blue well, approximately 3,300 feet east-southeast of well 30N02, suggested that seawater intrusion perhaps progressed eastward as far as the OCSD MW-Blue well, but not as far south as well 36L01 (Figure 30). While the TDS and chloride concentrations were elevated from August 2009 to July 2011 in the OCSD MW-Blue well, the sodium concentrations remained within historical levels. During the same period, TDS, chloride, and sodium concentrations remained within historical levels in well 36L01.

During 2020, there were no indications of seawater intrusion.

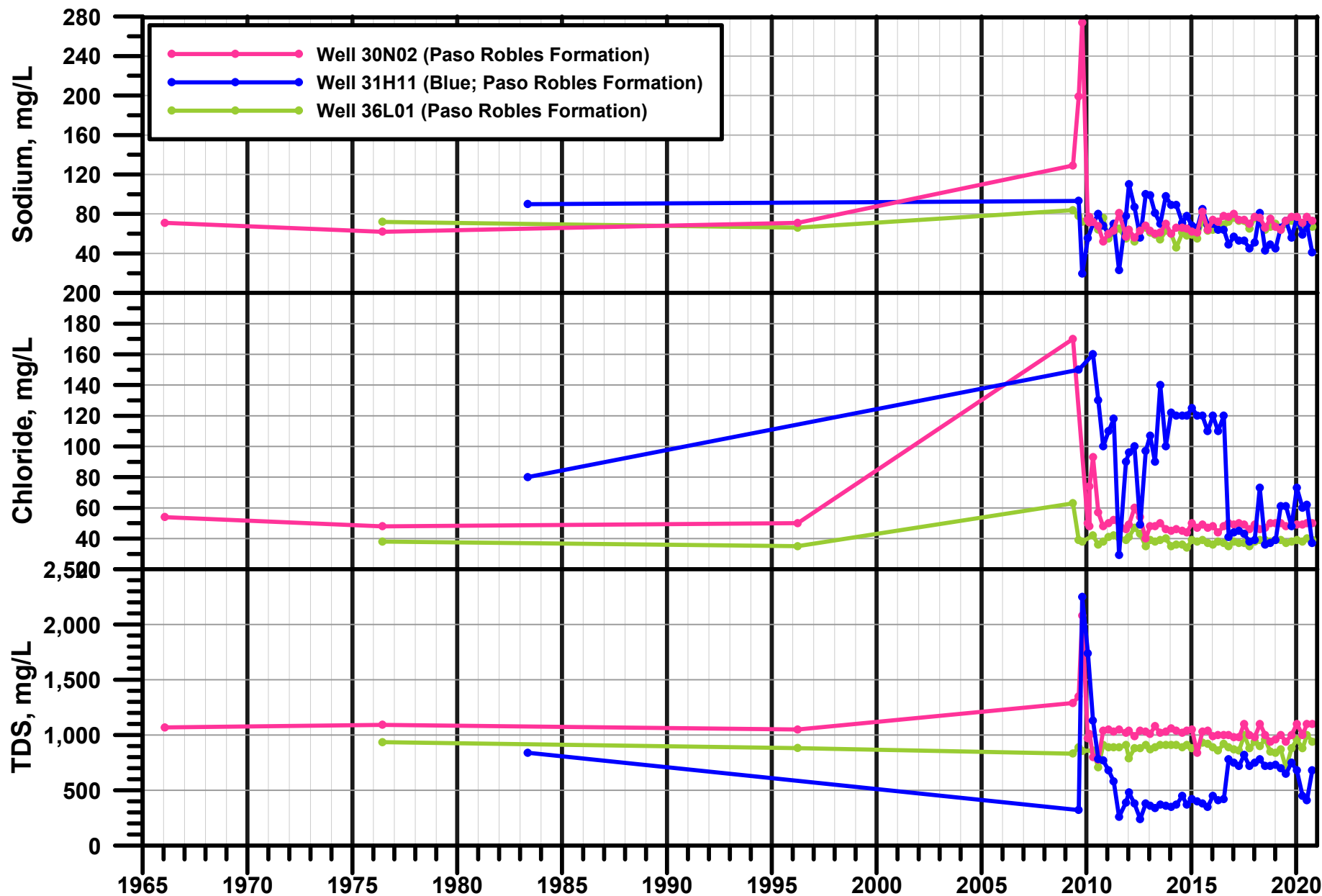


P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 29 NCMA TDS, Cl and Sodium Index Wells and 30N03.grf *

FIGURE 29. HISTORICAL TDS, CHLORIDE AND SODIUM, INDEX WELLS AND 30N03
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 TDS - total dissolved solids
 mg/L - milligrams per liter





P:\Portland\672-Northern Cities Management Area\007-2020 Annual Report\03 Annual Report\0 Admin Draft\Figures\Parts Fig 30 NCMA TDS, Cl and Sodium Wells 30N02 MW-Blue and 36L01.grf*

FIGURE 30. HISTORICAL TDS, CHLORIDE AND SODIUM, WELLS 30N02, MW-BLUE AND 36L01
 Northern Cities Management Area
 San Luis Obispo County, California

Notes:
 TDS - total dissolved solids
 mg/L - milligrams per liter



Measures to Avoid Seawater Intrusion

In recognition of the risk of seawater intrusion, the NCMA agencies have developed and implemented a water quality monitoring program for the sentry wells and OCSD observation wells. The NCMA agencies and SLOFCWCD have worked cooperatively toward the protection of the sentry wells as long-term monitoring sites. Several measures are employed by the NCMA agencies to reduce the potential for seawater intrusion. Specifically, the NCMA agencies have voluntarily reduced coastal groundwater pumping; decreased overall water use via conservation; and initiated plans, studies, and institutional arrangements to secure additional surface water supplies. As a result, each of the four major municipal water users in the NCMA reduced groundwater use between 25 and 95 percent during the past several years. In 2020, municipal groundwater use was 684 AF, which constitutes 17 percent of the urban users' groundwater entitlement (including agricultural conversion credits) of the safe yield (Table 7).

According to the DWR Bulletin 63-3 report (DWR, 1970) both the Paso Robles Formation aquifer and the lower confined portion of the Cienega Valley alluvial aquifer are recharged primarily from subsurface groundwater inflow from the east, where the overlying confining layers are thin to nonexistent (DWR, 1970). These recharge areas to the east include inland reaches of Arroyo Grande Valley and portions of Nipomo Mesa (DWR, 1970). Any action that results in reduced groundwater recharge, whether it is from drought or reduction of subsurface inflow from the north and east, reduces overall recharge to the groundwater basin, lowers the gradient (or head) of the groundwater near the shoreline, and reduces subsurface outflow to the ocean, thereby increasing the potential threat of seawater intrusion. Alternatively, any action that results in increased groundwater recharge lessens the threat of seawater intrusion.

A major initiative that will provide significant protection to the threat of seawater intrusion is the development of Central Coast Blue. Central Coast Blue is a regional recycled water project that includes advanced treatment of water from the wastewater treatment plants of Pismo Beach and SSLOCSD and injection into the NCMA portion of the SMGB. Injection of the highly treated effluent will reduce the threat of seawater intrusion and improve water supply sustainability for the region. Tasks related to the development of the project that were performed prior to and throughout 2020 include feasibility study analysis, preliminary design, pilot plant development and operation, funding appropriation, cost/benefit sharing analysis, groundwater modeling, and environmental review (see additional detail in Section 1.7.3).

6.2 Threats to State Water Project Supply

Both extended drought and long-term reduction in snowpack from climate change can affect SWP deliveries. Above-average precipitation in 2016, 2017, and 2019 have resulted in a modest reprieve from drought conditions locally. The storage capacity levels of the state's two largest reservoirs, Lake Shasta and Lake Oroville, were 73 and 59 percent capacity, respectively, as of the start of 2020, both up from the previous year.

Leading into 2021, rainfall during the last 8 months of 2020 resulted in 1.97 inches of rain. The initial allocation announcement by DWR, announced on December 1, 2020, informed SWP contractors that their 2020 allocation would be 10 percent of requests for deliveries. As the winter rainfall season progresses, the allocations often increase by March or April. The last 100 percent allocation—difficult to achieve even in wet years largely because of Delta pumping restrictions to protect threatened and endangered fish species—occurred in 2006.

The immediate threat of allocation reductions to Pismo Beach and OCSD, the only SWP subcontractors in the NCMA, has not significantly materialized during the past several years. The SLOFCWCD's large amount of unsubscribed Table A allocation provides a buffer, in addition to the agency's drought buffer, so that contracted volumes to SWP subcontractors, such as the OCSD and Pismo Beach, still may be provided in full.

However, the SWP supply has the potential to be affected by drought as well as environmental issues, particularly involving the Delta smelt.

6.3 Threats to Lopez Lake Water Supply

Extended drought conditions in recent years have contributed to record low water levels in Lopez Lake; the impacts of climate change may affect future precipitation amounts in the Lopez Creek watershed. As discussed in Section 4.1.1, the Zone 3 agencies developed and implemented the LRRP in response to reduced water in storage in the lake. The LRRP is intended to reduce municipal diversions and downstream releases as water levels drop to preserve water within the reservoir for an extended drought. Despite below-average precipitation in 2018 and 2020, above-average precipitation in 2016, 2017, and 2019 resulted in a return to non-drought conditions in the lake. However, even with reduced diversions and releases, water from Lopez Lake may be significantly reduced or unavailable to the Zone 3 agencies in the event of future drought. Without access to water from Lopez Lake, the NCMA agencies and local agriculture stakeholders may be forced to rely more heavily on their groundwater supplies and increase pumping during extended drought conditions, which could result in lowering water levels in the aquifer and an increased threat from seawater intrusion. Moreover, a reduction in downstream releases from the reservoir, as mandated by the LRRP, likely will lead to reduced recharge to the NCMA portion of the SMGB and further contribute to declining groundwater levels.

SECTION 7: Management Activities

The NCMA and overlying private well users have actively managed surface water and groundwater resources in the area for more than 40 years. Management objectives and responsibilities were first established in the 1983 Gentlemen’s Agreement, recognized in the 2001 Groundwater Management Agreement, and affirmed in the 2002 Settlement Agreement. The responsibility and authority of the Northern Parties for NCMA groundwater management was formally established through the 2002 Settlement Agreement, 2005 Stipulation, and 2008 Judgment. Throughout the long history of collaborative management, which was formalized through the Agreement, Stipulation, and Judgment, the overall management goal for the NCMA agencies is to preserve the long-term integrity of water supplies in the NCMA portion of the SMGB.

7.1 Strategic Plan

7.1.1 Purpose and Background

An NCMA Strategic Plan was first developed in 2014 to provide the NCMA TG with a mission statement to guide future initiatives, provide a framework for identifying and communicating water resource planning goals and objectives, and formalize a 10-year work plan for implementation of those efforts. Several key objectives were identified related to enhancing water supply reliability, improving water resource management, and increasing effective public outreach. Implementation of some of these efforts continued throughout 2020.

Work began in 2019 to update the 2014 NCMA Strategic Plan. The Strategic Plan was developed over a series of strategic planning sessions and NCMA TG meetings and culminated with the publication of the Strategic Plan for the NCMA TG in March 2020. The purpose of the Strategic Plan is to provide the NCMA TG with the following:

- A mission statement to guide future initiatives
- A framework for communicating water resource goals
- A formalized work plan for the next 10 years

7.1.2 Mission Statement

Through the strategic planning process, the NCMA TG developed the following mission statement to guide ongoing initiatives and plan implementation and capture the requirements outlined in the 1983 Gentlemen’s Agreement, 2005 Stipulation, and the 2008 Judgment:

Preserve and enhance the *sustainability* of water supplies for the Northern Cities Area by:

- Enhancing supply *reliability*
- Protecting water *quality*
- Maintaining *cost-effective* water supplies
- Advancing the legacy of *cooperative* water resources management
- Promoting *conjunctive use*

7.1.3 Objectives of the NCMA TG

Through the 2020 strategic planning process, the NCMA TG identified several key objectives to guide future efforts. These objectives include the following:

A. Enhance Water Supply Reliability

- Develop coordinated response plan for salt water intrusion and other supply emergencies
- Support implementation of Central Coast Blue
- Prepare the Northern Cities for prolonged drought conditions
- Analyze impacts of pumping on the groundwater basin
- Improve protection against threats to groundwater sustainability

B. Improve Water Resource Management

- Improve management/conjunctive use of water resources
- Improve coordination between technical/legal/managerial initiatives
- Abide by the legal/regulatory groundwater management requirements
- Increase understanding of current and historical groundwater conditions to inform water resources initiatives

C. Increase Effective Outreach

- Engage agriculture stakeholders
- Improve cooperation, coordination, and information sharing with local and regional agencies to further the objectives of the NCMA agencies
- Reinforce the role of the NCMA TG as the recognized technical expert for water resources within the Northern Cities Management Area
- Increase communication with City Councils and the Board of Directors
- Maintain equity among all NCMA agencies

7.1.4 Strategic Initiatives and Implementation Plan

Fifteen key strategies were identified by the TG for improving the sustainability of the water resource. Strategic initiatives were then developed for each key strategy, and an extensive screening and objective ranking process was applied. Utilizing the ranked and grouped strategic initiatives, the NCMA TG developed an implementation plan for the key strategies.

The implementation plan includes a ranking for each initiative, the key participants, the required actions, an estimated budget, and an implementation time frame. The implementation time frame incorporates three periods: a current designation that refers to initiatives that the NCMA plans to complete within 1 year, a short-term designation that refers to initiatives that could be completed within 5 years, and a long-term designation that refers to initiatives that are anticipated to take longer than 5 years to implement.

7.2 Management Objectives

In addition to the Strategic Plan, the NCMA TG has, over the years, established eight basic Water Management Objectives for ongoing NCMA groundwater management. Many of these objectives were incorporated into the Strategic Plan but are repeated here because they form the framework to long-term strategies and objectives to effectively manage the groundwater resource. The management objectives include the following:

1. Share Groundwater Resources and Manage Pumping
2. Enhance Management of NCMA Groundwater
3. Monitor Supply and Demand and Share Information
4. Manage Groundwater Levels and Prevent Seawater Intrusion
5. Protect Groundwater Quality

6. Manage Cooperatively
7. Encourage Water Conservation
8. Evaluate Alternative Sources of Supply

Each of these objectives is discussed in the following sections. Under each objective, the NCMA TG has identified strategies to meet the objectives. These strategies are listed and then discussed under each of the eight objectives listed below. Other potential objectives are outlined in the final section.

7.2.1 Share Groundwater Resources and Manage Pumping

Strategies:

- Continued reduction of groundwater pumping; maintain pumping below safe yield.
- Coordinated delivery of Lopez Lake water to the maximum amount available.
- Continue to import SWP supplies to OCSD and Pismo Beach.
- Maintain surface water delivery infrastructure to maximize capacity.
- Utilize Lopez Lake to store additional SWP water within San Luis Obispo County.
- Modify Zone 3 agency contracts to incorporate storage provisions in the contract.

Discussion:

Maintain Groundwater Pumping Below Accepted Basin Yield

A longstanding objective of water users in the NCMA has been to cooperatively share and manage groundwater resources. In 1983, the Northern Parties mutually agreed on an initial safe yield estimate and an entitlement of pumping between the urban users and agricultural irrigation users of 57 percent and 43 percent, respectively (see Section 4.1). In this agreement, the NCMA agencies also established pumping entitlements among themselves (Section 4.1.3). Subsequently, the 2001 Groundwater Management Agreement included provisions to account for changes such as agricultural land conversions. The agreements provide that any change in the accepted safe yield based on ongoing assessments would be shared on a pro rata basis. Pursuant to the 2005 Stipulation, the NCMA agencies conducted a water balance study to update the safe yield estimate (Todd, 2007). As a result, the NCMA agencies agreed to maintain the existing pumping entitlement among the urban users and established a consistent methodology to address agricultural land use conversion.

Maximize Delivery of Lopez Lake Water and Continue Importing State Water Project Water

In addition to cooperatively sharing and managing groundwater resources, the NCMA agencies have coordinated delivery of water from Lopez Lake. At the same time, Pismo Beach and OCSD have continued to import SWP water. Both actions maximize use of available surface water supplies. In 2016, in response to the ongoing drought at that time and the threat of diminishing water supplies, Arroyo Grande approved a measure authorizing the purchase of SWP water from the SLOFCWCD's excess entitlement on a temporary basis and only during a declared local water emergency. That condition was not reached in 2017 nor subsequent years, and Arroyo Grande has not purchased SWP water to date.

Modify Zone 3 Agency Contracts

An initiative to modify the Zone 3 agency contracts to incorporate storage provisions was started in late 2019 and continued throughout 2020. By the end of 2020, the conceptual contract amendments were developed, reservoir modeling was completed, and updated contract language had been developed and reviewed by the

Zone 3 Technical Advisory Committee. Anticipated for 2021 is performance of a California Environmental Quality Act review to evaluate potential impacts of the proposed amendments, and contract amendment approval. The contract language changes allow for the following:

- Allow for year-over-year individual agency storage
- Account for evaporation losses of stored water
- Allow for the reduction of entitlements or to utilize stored water to meet downstream release requirements
- Develop mechanisms to address the condition when the Zone 3 agencies do not have water to contribute to downstream release obligations
- Clarify Lopez Lake water turnout delivery capacity limitations
- Remove antiquated language from the contract that is no longer relevant
- Allow for exchanges of Lopez Lake water with SWP water during times when there is a curtailment of delivery of Lopez Lake water due to maintenance projects

The initiative to modify the contract language will provide each agency the ability to store water for future drought, improve flexibility of multi-year water supply planning, and provide an incentive for agencies to preserve water in the reservoir.

7.2.2 Enhance Management of NCMA Groundwater

Strategies:

- Develop a groundwater model for the NCMA/NMMA or the entire SMGB.
- Coordinate with the County and NMMA to develop new monitoring well(s) in key locations within the SMGB.
- Develop a Salt and Nutrient Management Plan (SNMP) for the NCMA/NMMA.
- Develop and implement a framework for groundwater storage/conjunctive use, including return flows.
- Update the 2001 Management Agreement.

Discussion:

The NCMA agencies participated in the oversight of the performance of the SMGB characterization study (Fugro, 2015) that was finalized with the distribution of the complete data sets in March 2016. The project was conducted as part of the County IRWMP 2014 update, in part to prepare for and to provide the foundational data for development of a numerical groundwater flow model and preparation of a basin-wide SNMP. To date, the SNMP has not been initiated, but the groundwater flow modeling work has been completed through Phase 1B, as described below. This groundwater flow model is associated with Central Coast Blue, a recycled water project formerly known as the Regional Groundwater Sustainability Project.

The intent of Central Coast Blue is to enable Pismo Beach, partnering NCMA agencies, and the SSLOCSD to construct an ATF to produce APW to augment its water supply through injection to recharge the aquifer and develop a seawater intrusion barrier to improve water supply reliability for the area. As part of Central Coast Blue planning and technical studies, a localized groundwater flow model (the Phase 1A model) was developed for the northern portion of the NCMA that evaluated the concept of injecting APW into the aquifer to increase recharge, improve water supply reliability, and help prevent future occurrences of seawater intrusion.

Based on the results of the Phase 1A model and through funding by SSLOCSD Supplemental Environmental Program, work was initiated in 2017 and continued through 2019 and into early 2020 for development of the Phase 1B groundwater flow model. The model domain of the Phase 1B model covers the entire NCMA, NMMA,

and the portion of the SMVMA north of the Santa Maria River. The purpose of the Phase 1B model is to evaluate additional groundwater injection and extraction scenarios to further support Central Coast Blue. It is being utilized to identify the locations of the proposed injection wells, quantify the amount of water that can be injected, evaluate strategies for preventing seawater intrusion, and develop estimates of the overall yield that the Central Coast Blue stakeholders will be able to receive from the project. The Phase 1B model will also be a tool for the NCMA agencies to further evaluate basin yield and basin management initiatives.

As part of the SLOFCWCD's SMGB characterization study (Fugro, 2015), continuous monitoring transducers were installed in 2015 in coastal sentry wells 36L01 and 36L02 (which are part of the NCMA monitoring program) and in wells 11N/36W-12C01 and 11N/36W-12C02 (located in the NMMA and monitored by the County and by NMMA). As a result, continuous water level and field-parameter water quality data were collected from these wells throughout 2020.

Throughout 2020, the TG discussed various components and approaches to updating the 2001 Management Agreement. These discussions will continue in 2021.

The monthly NCMA TG meetings provide for collaborative development of joint budget proposals for studies and plans and shared water resources. In addition, the monthly meetings provide a forum for discussing the data collected as part of the quarterly monitoring reports.

7.2.3 Monitor Supply and Demand and Share Information

Strategies:

- Develop a Water Supply, Production, and Delivery Plan (WSPDP).
- In conjunction with and through the umbrella of the Zone 3 agencies and SLOFCWCD, continue efforts to evaluate potential drought emergency options and implement drought emergency actions.
- Develop a coordinated Water Shortage Contingency Plan to respond to a severe water shortage condition in the NCMA.
- Share groundwater pumping data at monthly NCMA TG meetings.
- Evaluate future water demands through comparison with the following UWMP projections:
 - Arroyo Grande 2015 UWMP (revised and updated, January 2017; 2020 UWMP update is in process)
 - Pismo Beach 2015 UWMP (June 2016; 2020 UWMP update is in process)
 - Grover Beach 2015 UWMP (April 2020)
 - OCSD is not required to prepare a UWMP because the community population does not meet the minimum requirement threshold.

Discussion:

Water Supply, Production and Delivery Plan

In January 2015, the NCMA agencies developed a Water Supply, Production, and Delivery Plan (WSPDP) that applies the strategic objectives to the various supplies available to the area. The NCMA area receives supplies from Lopez Lake, the SWP, and the SMGB.

The purpose of the WSPDP is to provide the NCMA agencies with a delivery plan that optimizes use of existing infrastructure and minimizes groundwater pumping from the SMGB. The plan includes the development of a water supply and delivery modeling tool for the NCMA agencies, evaluation of three delivery scenarios, and development of recommendations for water delivery.

The WSPDP made recommendations that were implemented or subject to further study. Components of the WSPDP and the various recommendations incorporated into the Plan are summarized throughout Section 7.

The recommendations of the WSPDP reinforce the ongoing management efforts by the NCMA and provide potential projects to improve water supply reliability and protect water quality during periods of drought. Ongoing work to implement the recommendations includes evaluation of additional delivery facilities to add operational flexibility to ensure optimum use of all supplies.

Implementing the WSPDP has allowed the NCMA to minimize the use of groundwater thereby protecting against seawater intrusion while meeting the needs of its customers and other water users.

The WSPDP now provides a framework for the NCMA to manage the groundwater resource actively and effectively, particularly in years of below-normal rainfall and below “normal” SWP delivery schedules. The WSPDP outlines a strategy to provide sufficient supplies to NCMA water users in instances of reduced SWP delivery. Specifically, in 2020, municipal groundwater pumpage totaled 613 AF, which is less than any other year during the 22-year period from 1999 through 2020 (inclusive). The pumped volume of 613 AF constitutes approximately 15 percent of the volume allotted to the agencies through the 1983 Gentlemen’s Agreement and 2005 Stipulation.

Seawater intrusion is the most important potential adverse impact for the NCMA agencies to consider in the efforts to effectively manage the aquifer. Seawater intrusion, a concern since the 1960s, would degrade the quality of water in the aquifer and potentially render portions of the SMGB unsuitable for groundwater production (DWR, 1970).

A Deep Well Index of the three primary deep sentry wells of 7.5 feet above sea level has been recognized as the threshold, above which it is thought that there is sufficient fresh water (groundwater) outflow to prevent seawater intrusion. From late 2009 to April 2013, the NCMA agencies’ management of groundwater levels and groundwater pumpage maintained the Deep Well Index above the 7.5-foot level. Then in mid-to-late 2013, 2014, and 2015, groundwater levels dropped below the target index value on several occasions and often remained below the target elevation for several months on end. In 2015, the groundwater levels were generally between 4 and 7 feet below the 7.5-foot target index level. Groundwater elevations dropped below the Deep Well Index threshold several months in 2016, but this occurred for a shorter duration than in 2015, with groundwater elevations reaching less than 2 feet below the target value. In 2017, the Deep Well Index remained above the 7.5-foot threshold value the entire year for the first time since 2012 (except for a very brief period between August 18 and August 29, 2017, when the agencies were forced to increase groundwater pumping due to a maintenance shutdown of the Lopez Lake water supply). In 2018, the Deep Well Index started the year above the trigger value, then dropped below the 7.5-foot threshold in early July. For more than 4 months, the Deep Well Index remained below the index trigger value, reaching an index value of approximately 6.5 feet in late October. In late November 2018, it rose above the threshold value where it remained through the end of the year (Figure 12).

In 2019, the Deep Well Index started the year above the trigger value with an index value of more than 9 feet in January. It continued to rise, reached a high at more than 11 feet in late March, and then began to decline. The index value dropped down to the 7.5-foot trigger value briefly in late October and then immediately began to rise. The index value continued to rise throughout the end of the year and finished 2019 at about 10.5 feet above sea level (Figure 12).

In 2020, the Deep Well Index started the year above the trigger value with an index value of more than 10 feet in January. It continued to rise, reached a high more than 12 feet in April, and then began to decline. The index value dropped down to the 7.5-foot trigger value briefly in mid-October and then immediately began to rise.

The index value continued to rise throughout the end of the year and finished 2020 at about 9 feet above sea level.

Zone 3 Extended Drought Emergency Options

Management activities have become more closely coordinated among the NCMA agencies as a result of the 2011 through 2015 drought. In particular, the NCMA agencies implemented the LRRP to limit municipal diversions and downstream releases from Lopez Lake to ensure that water is available for future potentially dry years. In addition, the Zone 3 agencies (which include the NCMA agencies) initiated a long-term drought planning effort. The planning effort is intended to prepare water supplies for periods of extended drought conditions.

The NCMA agencies, in conjunction with the other Zone 3 agencies and SLOFCWCD, continue efforts to evaluate potential drought emergency options and implement drought emergency actions. This initiative includes identification, evaluation, and ranking of potential options available to Zone 3 to improve the reliability of its water supplies. The Zone 3 agencies and the County have pledged to work collaboratively to continue to evaluate and implement emergency water supply reliability options as required in conditions of extended drought.

A drought emergency action initiated by Zone 3 is cloud seeding. In 2019, the County Board of Supervisors, in coordination with the NCMA agencies and other Zone 3 partners, approved a professional services contract for the 2019–2020 Winter Season Cloud Seeding Program for the Lopez Lake Watershed. The program is conceived to be a 3-year program. For the 2020 winter season, cloud seeding operations were conducted to enhance precipitation in the Lake Lopez drainage. The operational period ran from January 9, 2020, to April 15, 2020. During that operational period, seeding opportunities occurred on 6 days. On November 17, 2020, the County Board of Supervisors approved the Zone 3 Cloud Seeding Program for 2020–2021. The active program period is from December 1, 2020, to April 15, 2021.

Additional potential drought emergency options that the Zone 3 agencies have evaluated in the past few years include the following:

- **State Water Project.** Maximize importation of SLOFCWCD SWP supplies, including subcontractor supplies and the large amount of unsubscribed Table A allocation.
- **Surplus Nacimiento Water Project (NWP) Water.** Investigate transfer/exchange opportunities to obtain surplus NWP water for the Zone 3 agencies (i.e., exchange agreements with the City of San Luis Obispo and the Chorro Valley pipeline SWP subcontractors).
- **Water Market Purchases.** Investigate opportunities to obtain additional imported water and deliver it to the Zone 3 agencies through the SWP infrastructure (e.g., exchange agreements with San Joaquin/Sacramento Valley farmers, water broker consultation, groundwater banking exchange agreements, and others).
- **Morro Bay Desalination Plant Exchanges.** Investigate opportunities to obtain SWP water from Morro Bay by providing incentives for Morro Bay to fully utilize its desalination plant capacity.
- **Land Fallowing.** Evaluate potential agreements with local agriculture representatives to offer financial incentives to fallow land within the Arroyo Grande and Cienega Valleys to make that irrigation water available for municipal use.
- **Enhanced Conservation.** Evaluate opportunities for enhanced water conservation by the Zone 3 agencies (e.g., water rationing, no outdoor watering, agriculture water restrictions) to preserve additional water.
- **Nacimiento/California Men's Colony Intertie.** Complete design of a pipeline that would connect the NWP pipeline to the California Men's Colony (CMC) Water Treatment Plant. Investigate opportunities for Zone 3

agencies to purchase NWP water and use exchange agreements and existing infrastructure to deliver additional water to Zone 3 through the Coastal Branch pipeline.

Urban Water Management Plans

Arroyo Grande, Pismo Beach, and Grover Beach prepared updated 2015 UWMPs in 2016, 2017, and 2020, respectively. All three agencies are in the process of updating UWMPs to meet the 2020 update requirement. OCSD is not required to prepare an UWMP because the community population does not meet the minimum requirement threshold; however, many of the aspects of a UWMP are addressed through OCSD's participation in the NCMA planning process. The NCMA TG believes that the UWMP process by each individual agency is adequate and that a coordinated UWMP is not necessary.

Coordinated and Shared Data

Regular monitoring of activities that affect the groundwater basin and sharing of that information have occurred for many years. The monitoring efforts include gathering data on hydrologic conditions, water supply and demand, and groundwater pumping, levels, and quality. The current monitoring program is managed by the NCMA agencies in accordance with the 2005 Stipulation and the 2008 Judgment, guided by the July 2008 Monitoring Program for the NCMA. The monitoring data and a summary of groundwater management activities are summarized in the annual reports. Arroyo Grande, Grover Beach, and Pismo Beach have each evaluated their future water demands as part of their respective UWMPs. The NCMA shares information with the two other management areas (NMMA and SMVMA) through data exchange throughout the annual report preparation cycle.

7.2.4 Manage Groundwater Levels and Prevent Seawater Intrusion

Strategies:

- Use stormwater ponds to capture stormwater runoff and recharge the groundwater basin.
- Install transducers in key monitoring wells to provide continuous groundwater elevation data. The following wells have transducers:
 - 24B03 (North Beach Campground)
 - 30F03 (Highway 1)
 - 30N02 (Pier Avenue)
 - 36L01 (Oceano Dunes)
 - 36L02 (Oceano Dunes)
 - 32C03 (County Monitoring Well No. 3)
- Collect and evaluate daily municipal pumping data to determine the impact on local groundwater elevation levels.

Discussion:

Prevention of seawater intrusion through the management of groundwater levels is essential to protect the shared resource. The NCMA agencies increase groundwater recharge with stormwater infiltration and closely monitoring groundwater levels and water quality in sentry wells along the coast.

Arroyo Grande and Grover Beach each maintain stormwater retention ponds within their jurisdictions; the SLOFCWCD maintains the stormwater system, including retention ponds, in OCSD. These ponds collect stormwater runoff, allowing it to recharge the underlying aquifers. There are approximately 140 acres of detention ponds in Arroyo Grande and 48 acres of detention ponds in Grover Beach. The stormwater detention pond in OCSD is approximately one-half acre. Grover Beach modified its stormwater system in 2012 to direct additional flow into one of its recharge basins.

The San Luis Obispo County Stormwater Resource Plan (Stormwater Resource Plan) (SLO Co., 2019) was submitted to the SWRCB for review on February 28, 2019; final approval of the plan was attained on February 25, 2020. The purpose of the Stormwater Resource Plan is to identify and prioritize stormwater and dry weather runoff capture projects in the County through detailed analyses of watershed conditions and processes, surface and groundwater resources, and the multiple benefits that can be achieved through stormwater-related capital projects and other programmatic actions (SLO Co., 2019). The Stormwater Resource Plan identifies four proposed projects within the NCMA, including the Pismo Preserve Roads Improvement Project, the Oceano Drainage Improvement Project (which was completed in 2020), South Halcyon Green/Complete Street, and a stormwater infiltration basins project. In 2019, Oceano CSD started design of the Oceano Stormwater Capture and Groundwater Recharge Project. These proposed projects emphasize water supply augmentation, environmental restoration and other community benefits, including an estimated annual infiltration capacity of 26 AF and an instantaneous floodwater capture capacity of 3.37 AF (SLO Co., 2019).

Although closely related to the objectives to manage pumping, monitor supply and demand, and share information, this objective to manage groundwater levels and prevent seawater intrusion also specifically recognizes the proximity of production wells to the coast and the threat of seawater intrusion. The NCMA agencies and SLOFCWCD have long cooperated in the monitoring of groundwater levels, including quarterly measurement by the NCMA of groundwater levels in sentry wells at the coast. Upon assuming responsibility for the coastal monitoring wells, the NCMA became aware of the need to upgrade the condition of the sentry wells. In July 2010 the wellheads (surface completions) at the four sentry monitoring well clusters in the NCMA were renovated (Todd, 2010). The renovations included raising the elevations of the top of each individual well casing by 2 to 3 feet and resurveying relative to the NAVD 88 standard in late September 2010 (Wallace Group, 2010). The individual well casings are now above the ground surface and protective locking steel risers enclose each cluster. As a result of this work, the sentry wells in the NCMA now are protected from surface contamination and tampering.

Quarterly measurement of groundwater levels aids in assessing the risk of seawater intrusion along the coast. To enhance the data collection and assessment efforts, the NCMA installed transducers in four of the key sentry monitoring wells (24B03, 30F03, 30N02, and 24B01) to provide continuous groundwater levels at key locations (the transducer in the shallow completion 24B01 was later removed). By combining these data with the collection and evaluation of daily municipal pumping data, the NCMA is better able to determine the response of local groundwater levels to extractions and, therefore, can better manage the aquifer and NCMA portion of the SMGB.

To gain insight into water level fluctuation and water quality variation in the area between the NCMA and NMMA, a continuous monitor was installed in County Monitoring Well #3 (32C03), which was constructed and is owned by the County as part of the County-wide groundwater monitoring network. Water level monitoring was initiated in April 2012, when sensors were installed to document water level, temperature, and specific conductivity.

In 2015, continuous monitoring sensors were installed in coastal monitoring wells 36L01 and 36L02 located in the Oceano Dunes. Data from the transducers in these wells now are collected on a quarterly basis along with the other sentry wells.

Additional studies to enhance basin management efforts that have been discussed by the NCMA TG include the following:

- Consider implementation of a monthly water level elevation data analysis of the sentry wells during periods when the Deep Well Index value is below the index target of 7.5 feet above sea level for an extended

period. Given that the index value generally has remained steady because of reduced groundwater pumping, the NCMA has deferred the issue of monthly analysis.

- Consider implementation of a monthly analysis of electrical conductivity data from the wells with downhole transducers during periods when the Deep Well Index value is below the index target of 7.5 feet to track potential water quality degradation (an enhanced monitoring schedule of County Monitoring Well No. 3 is not necessary because background water quality does not change or fluctuate significantly). If electrical conductivity data suggest water quality degradation, implement a monthly sampling and monitoring program. Given that the index value generally has remained steady because of reductions in groundwater pumping, the NCMA has deferred the issue of monthly analysis.
- Assess the potential impacts on sentry well groundwater elevations from extended periods of increased groundwater pumping by conducting analytical modeling analyses to predict water level responses given certain pumping scenarios. These analyses may prove fruitful as scenarios unfold regarding decreased SWP deliveries or short-term emergency cuts to Lopez Lake deliveries. Utilization of the Phase 1B model may be used for this purpose in the future.

7.2.5 Protect Groundwater Quality

Strategies:

- Perform quarterly water quality monitoring at all sentry wells and County Well No. 3.
- Gather continuous (every 4 hours) pressure (converts to depth to water), temperature, and electrical conductivity data from select monitoring wells to track water quality indicators for seawater intrusion.
- Prepare an SNMP pursuant to state policy using the results of the SMGB characterization study (Fugro, 2015).
- Construct the Central Coast Blue facility.
- Support regional recycled water project planning through performance of a Recycled Water Facility Planning Study (RWFPS) by the SSLOCS. The RWFPS was completed in 2017.

Discussion:

The objective to protect groundwater quality is closely linked with the objective for monitoring and data sharing. To meet this objective, all sources of water quality degradation, including the threat of seawater intrusion, need to be recognized. Water quality threats and possible degradation affect the integrity of the groundwater basin, potentially resulting in loss of use or the need for expensive water treatment processes. Sentry wells are monitored quarterly for water quality and data from other NCMA production wells are assessed annually. The monitoring program includes evaluation of potential contaminants in addition to those that might indicate seawater intrusion. Temperature and electrical conductivity probes have been installed in six monitoring wells to provide continuous water quality tracking for early indication of seawater intrusion.

The NCMA agencies participated in the oversight of the performance of the SMGB characterization study (Fugro, 2015). The project was conducted, in part, to prepare for and to provide the foundational data for preparation of a basinwide SNMP. To date, the SNMP has not been initiated.

Investigations continued throughout 2020 for work associated with the Central Coast Blue project. These efforts continue to follow up on Pismo Beach's RWFPS to investigate alternatives for constructing a recycled water system that will enable the NCMA agencies to beneficially use recycled water to augment their groundwater supply and provide a new, drought-proof source of water supply for the area.

7.2.6 Manage Cooperatively

Strategies:

- Improve outreach to the agricultural community by enhancing coordination with local growers.
- Coordinate groundwater monitoring data sharing and annual report preparation with the NCMA, NMMA, and the SMVMA.
- Improve interagency coordination among the NCMA agencies and include the County.

Discussion:

Since 1983, NCMA management has been based on cooperative efforts of the affected parties, including the NCMA agencies, private agricultural groundwater users, the County, the SLOFCWCD, and other local and state agencies. Specifically, the NCMA agencies have limited their pumping and, in cooperation with SLOFCWCD, invested in surface water supplies to reduce groundwater pumping to not exceed the safe yield of the NCMA portion of the SMGB. Other organizations participate as appropriate. In addition to the efforts discussed in this 2020 Annual Report, cooperative management occurs through many other venues and forums, including communication by the NCMA agencies in their respective public meetings and participation in the WRAC.

The NCMA agencies participated in preparation and adoption of the 2014 update of the County IRWMP. The IRWMP promotes integrated regional water management to ensure sustainable water uses, reliable water supplies, better water quality, environmental stewardship, efficient urban development, protection of agriculture, and a strong economy. The IRWMP integrates all the programs, plans, and projects within the region into water supply, water quality, ecosystem preservation and restoration, groundwater monitoring and management, and flood management programs.

Since the 2008 Judgment, the NCMA has taken the lead in cooperative management of its management area. The NCMA TG met monthly (at a minimum) throughout 2020 and has been a willing and active participant in the SMGBMA technical subcommittee, which first met in 2009 (the SMGBMA technical subcommittee did not meet in 2020). The purpose of the SMGBMA technical subcommittee is to coordinate efforts such as enhanced monitoring of groundwater levels and improved sharing of data among the management areas. With the current threats to water supply in all management areas, greater communication, analytical collaboration, and data sharing are encouraged, especially between NCMA and NMMA.

Actions initiated by NCMA in early 2016 resulted in increased discussion and collaboration between the NCMA and NMMA that is ongoing. The NCMA-NMMA Management Coordination Committee has met several times since 2017 to discuss items of mutual concern and develop strategies for addressing the concerns.

Another area of increased mutual collaboration between the NCMA and NMMA was the formation of a technical team, consisting of representatives from the NCMA and NMMA, to collaboratively develop a single data set of water level data points to prepare a consistent set of semiannual water level contour maps for the NCMA and NMMA, so that the maps from each management area would represent a mutually agreed upon condition at the NCMA/NMMA boundary. This collaboration continued throughout 2020 through continued assessment and evaluation of the water level database, sharing of new data, and discussions of knowledge of hydrogeologic conditions gained. The result has been a series of groundwater elevation contour maps of both the NCMA and the NMMA that reflect water level conditions at the NCMA/NMMA boundary.

A Modeling Subcommittee, composed of representatives from the NCMA and NMMA, was formed to discuss the development of a numerical groundwater flow model of the portion of the SMGB north of the Santa Maria River. When the Phase 1B groundwater flow model project was initiated in 2017, representatives from this subcommittee formed a technical review and advisory committee to provide input to the modeling consultant

and monitor progress. An NMMA representative participated in the technical review and in an advisory capacity throughout the development of the Phase 1B model. The Modeling Subcommittee has not met since completion of the Phase 1B modeling project.

7.2.7 Encourage Water Conservation

Strategies:

- Share updated water conservation information.
- Implement UWMPs.

Discussion:

Water conservation, or water use efficiency, is linked to the monitoring of supply and demand and the management of pumping. Water conservation reduces overall demand on all sources, including groundwater, and supports management objectives to manage groundwater levels and prevent seawater intrusion. In addition, water conservation is consistent with state policies seeking to achieve a 20 percent reduction in water use by the year 2020 (DWR et al., 2010). Water conservation activities in the NCMA are summarized in various documents produced by the NCMA agencies, including the 2015 UWMPs of Arroyo Grande, Pismo Beach, and Grover Beach. (OCSD is not required to prepare an UWMP.)

In addition to ongoing water conservation efforts, the drought conditions that extended throughout 2016 led the NCMA agencies to increase their efforts to reduce water use. The statewide mandatory water conservation requirements (signed into law on April 1, 2015, by the governor [Executive Order B-29-15]) that enacted mandatory water conservation requirements because of statewide drought conditions and the historic low Sierra snowpack measurements were continued throughout 2016 and into early 2017. On April 7, 2017, the State of California lifted the drought emergency and mandated water use restrictions throughout the state.

The water conservation measures instituted by each NCMA agency are summarized below.

Arroyo Grande

On April 7, 2017, the State of California took action to lift the drought emergency and mandated water use restrictions throughout the state. The action also eliminated the State's mandate for Arroyo Grande to save 28 percent of its water use. In response, the Arroyo Grande City Council approved and adopted a resolution in May 2017, rescinding the Stage 1 Water Shortage Emergency in the City, which removes the temporary water use limitations that established individualized water budgets for all residential customers. During the State-mandated Stage 1 restrictions, Arroyo Grande's water use reduction was, on average, 42 percent compared with 2013, thereby meeting and exceeding the state mandates.

The City Council's action was based on a determination that there is no immediate or imminent threat to the City's ability to meet the community's water supply needs. However, all established mandatory water use restrictions remained in effect, including limitations on outdoor irrigation and continued adherence to four-day outdoor irrigation based on the property address. These mandatory water use restrictions remain in place.

Mandatory water conservation measures include the following:

- Use of water that results in excessive gutter runoff is prohibited.
- No water will be used for cleaning driveways, patios, parking lots, sidewalks, streets, or other such use except where necessary to protect the public health and safety.
- Outdoor water use for washing vehicles will be attended and have hand-controlled water devices.

- Outdoor irrigation is prohibited between 10 a.m. and 4 p.m.
- Irrigation of private and public landscaping, turf areas, and gardens is permitted at even-numbered addresses only on Mondays and Thursdays, and at odd-numbered addresses only on Tuesdays and Fridays.
- No irrigation of private and public landscaping, turf areas, and gardens is permitted on Wednesdays. Irrigation is permitted at all addresses on Saturdays and Sundays.
- In all cases, customers are directed to use no more water than necessary to maintain landscaping.
- Emptying and refilling swimming pools and commercial spas is prohibited except to prevent structural damage and/or to provide for the public health and safety.
- Use of potable water for soil compaction or dust control purposes in construction activities is prohibited.
- New swimming pools may be constructed; however, they will have a cover that conforms to the size and shape of the pool and acts as an effective barrier to evaporation. The cover must be in place during periods when use of the pool is not reasonably expected to occur.
- Hotel, motel, or other commercial lodging establishments will offer patrons the option to forego the daily laundering of towels, sheets, and other linens.
- Restaurants or other commercial food service establishments will not serve water except upon the request of a patron.

To help manage the use of water, the City offers water conservation incentive programs designed to decrease overall water use. The conservation and incentive programs include the following:

- **Plumbing Retrofit Program.** This program includes installation or adjustment of showerheads, toilets, faucet aerators, and pressure regulators for single-family and multi-family residential units constructed before 1992. This program has been in place since 2004 at an expense to the City of more than \$1.55 million.
- **Water-Wise Landscaping Program.** This program provides resources for designing and installing water-wise landscaping in San Luis Obispo County, selecting climate-appropriate plants, and irrigation and drainage improvements that will help residents improve their landscaping and protect the watershed.
- **Washing Machine Rebate.** This program pays water customers a one-time rebate for the installation of a certified energy-efficient Tier 3 washing machine.
- **Mandatory Plumbing Retrofit.** Upon change of ownership of any residential property, the seller must retrofit the property's plumbing fixtures to meet defined low-water-use criteria.
- **Water Conservation Hotline.**

Pismo Beach

In 2014, Pismo Beach introduced the first-in-the-state waterless urinal mandate and a 0.5-gallon per minute (gpm) restroom aerator retrofit requirement. The components of this program include the following:

- **Waterless urinal retrofits.** All existing urinals in the City were retrofitted to waterless urinals before February 14, 2016.
- **Faucet aerators.** New residential restroom construction requires faucets that are fitted with aerators that emit no more than 0.5 gpm. Restroom faucets in all publicly accessible restrooms, including those in hotel rooms, lobbies and restrooms, restaurants, schools, commercial and retail buildings, public buildings, and similar publicly accessible restrooms were retrofitted to install aerators that emit no more than 0.5 gpm.

- **Sub-meters in new construction.** All new multi-unit buildings, regardless of proposed use, were required to have a separate sub-meter capable of measuring the water use of every usable unit, separate common space, and landscaping that is expected to use at least 25 gallons of water per day on average for the course of a year, regardless of the overall size of the building. Buildings that have a separate water meter for each unit are exempt.

Also in 2014, Pismo Beach adopted several Water Conservation Incentive Programs to help reduce water consumption and ensure reliable future water supply. On February 16, 2016, the Pismo Beach City Council updated the Water Conservation Incentive Programs list to include the following:

- **Cash for Grass.** This program reimburses residents for each square foot of lawn removed (minimum 300 square feet) and replaced with drought-tolerant landscaping, which is required to have an automatic timer and drip or micro-spray irrigation.
- **Free Catch Bucket Program.** This program gives residents one free shower catch bucket for capturing unused shower water and re-purposing it for irrigation or utility purposes.
- **Rain Barrel Rebate Program.** This program reimburses residents up to \$100 (\$50 per rain barrel) when up to two rain barrels are purchased and installed to use rainwater, conserve potable water, and reduce stormwater runoff.
- **Water-Wise Landscaping Program.** This program provides resources for designing and installing water-wise landscaping in San Luis Obispo County, selecting climate-appropriate plants, and irrigation and drainage improvements that will help residents improve their landscaping and protect the watershed.
- **High Efficiency Toilet Rebate Program.** This program provides a one-time rebate for each 3.5-gallon-per-flush or higher toilet replaced with a 1.28-gallon-per-flush or lower toilet.
- **Water Conservation Hotline.**

In January 2017, Pismo Beach adopted an updated schedule of development impact fees to include new recycled water fees for all new development, redevelopment, and additions to existing buildings that create additional dwelling units or additional non-residential floor area, to help fund the cost of the Central Coast Blue project.

In June 2017, in response to the State of California action to lift the drought emergency and State-mandated water use restrictions throughout the state, Pismo Beach declared a “Normal Water Supply” and adopted an Urgency Ordinance O-2017-003, revising the restrictions associated with each water supply status to conform to State mandates. The restrictions for a Normal Water Supply include the following:

- Use of water that causes runoff onto adjacent properties, non-irrigated areas, private and public walkways, roadways, gutters, parking lots or structures is prohibited.
- Outdoor water use for washing vehicles, boats, paved surfaces, buildings, and similar uses shall be attended and have hand-controlled water devices, which shut off the water immediately when not in use.
- No water will be used for cleaning driveways, patios, parking lots, sidewalks, streets, or other such uses except as found necessary by the city to protect the public health or safety.
- Outdoor Irrigation:
 - Outdoor irrigation is prohibited between 10 a.m. and 4 p.m.
 - Applying water to outdoor landscapes during and within 48 hours following measurable precipitation is prohibited.
- Restaurants will serve drinking water only in response to a specific request by a customer.

- Using water in a fountain or other decorative water feature, except where the water is part of a recirculating system, is prohibited.
- The use of outdoor irrigation during, and 48 hours following, measurable precipitation is prohibited.

Grover Beach

Between 2011 and 2014, Grover Beach declared Stage I and Stage II water shortage conditions and implemented conservation measures including public outreach and education and voluntary prohibitions on water use. In June 2014, Grover Beach declared a Stage III Water Shortage that required all water customers to reduce their water usage by 10 percent. Many of the prohibitions that had previously been voluntary since declaration of the Stage II Water Shortage Declaration became mandatory with the Stage III declaration. The declaration also provided the City with the authority to impose penalties for failure to comply with the water reduction or use prohibitions. Declaration of the Stage III Water Shortage in 2014 made mandatory many of the conservation measures and prohibitions that had previously been implemented prior to 2014. Although the drought declaration was lifted in 2017, all established mandatory water use restrictions remained in effect to encourage conservation. These prohibitions include:

- Washing of sidewalks, driveways, or roadways where air blowers or sweeping provides a reasonable alternative.
- Refilling of private pools except to maintain water levels.
- Planting of turf and other new landscaping, unless it consists of drought-tolerant plants.
- Washing vehicles, boats, etc. without a quick-acting shut-off nozzle on the hose.
- Washing any exterior surfaces unless using a quick-acting shut-off nozzle on the hose.
- Restaurant water service, unless requested.
- Use of potable water for construction purposes, unless no other source of water or method can be used.
- Operation of ornamental fountain or car wash unless water is re-circulated.

In 2020, Grover Beach made changes to its water conservation program through preparation and adoption of a Water Shortage Contingency Plan (WSCP),²³ enacted when water supplies are insufficient to support demand. As droughts and other events impacting water supply occur more frequently and intensely, the WSCP helps prepare for and respond to water shortages. The changes include six stages of action tied to actual water shortage conditions in 10 percent increments. Each stage relates a supply reduction range to an associated demand reduction target, which may vary based on the nature of triggering conditions that are dependent on the cause, severity, and anticipated duration of the water supply shortage. Grover Beach city staff continuously monitor the availability of water supply sources²⁴ and, if one or more set of triggering conditions are met, the Public Works Director notifies the City Council and recommends declaration of the appropriate stage of water shortage.

²³ The WSCP is a component of the City of Grover Beach's 2015 UWMP, finalized and submitted in April 2020.

²⁴ Including monitoring of Lopez Lake supplies and monitoring of groundwater availability based on the Deep Well Index value as compared with its threshold value of 7.5 feet NAVD 88.

In addition to mandatory water use prohibitions, Grover Beach has implemented water conservation incentive programs including the following:

- Cash for Grass Rebate Program
- Smart Irrigation Controller and Sensor Rebate Program
- Toilet Fixture, Showerhead, and Sink Aerator Retrofit Rebate Program
- Washing Machine Rebate Program

Oceano CSD

Given the population of its service area, OCSD is not required to prepare an UWMP nor was it required to reduce water consumption as mandated by the Governor for urban water suppliers during the recent drought. Outdoor water use restrictions have been adopted, as required. In April 2015, OCSD adopted a rate increase that included tiered rates to promote water conservation. These rates were reduced in July 2017, upon adoption of the Post Drought Consumption Charges and Supplemental Water Charge Ordinance. In October 2020, the OCSD increased water rates and a new water rate structure was adopted that reduced the number of consumption tiers from five to two. This brought the OCSD rates more closely into conformance with Proposition 218 requirements. The Tier 1 rate is tied directly to the cost of the Lopez Water supply and the Tier 2 rate is tied directly to the cost of the State Water supply. In addition, the new rate structure eliminated the six units of water previously included in the base rate so that customers now pay a consumption charge for every unit of water used, which further promotes conservation.

OCSD pumped only 2 percent of its groundwater entitlement in 2020 and is using Lopez Lake surplus water in addition to its Lopez Lake allocation and SWP supply. Meanwhile, OCSD's conservation efforts continue to exceed the Governor's drought-mandated goal (since rescinded) of 25 percent.

Strategies exist in the event of temporary non-delivery of SWP and Lopez Lake water and other unforeseen circumstances. Post-drought strategies include resumption of groundwater pumping, resumption of Lopez Lake deliveries, and storage of SWP water as provided in SWP contracts.

7.2.8 Evaluate Alternative Sources of Supply

Strategies:

- Evaluate expanded use of recycled water, including implementation of Central Coast Blue.
- Analyze the capacity of the Lopez Lake and Coastal Branch pipelines to maximize deliveries of surface water. The following analyses have been completed:
 - Lopez Lake Pipeline Capacity Evaluation (WSC, 2011a)
 - Lopez Lake Pipeline Capacity Re-Evaluation (WSC, 2011b)
 - Coastal Branch Capacity Assessment (WSC, 2011a)
 - Lopez Bypass and State Water Delivery Evaluation (WSC, 2017)
- Optimize existing surface water supplies, including surface water storage, through the development of a framework for interagency exchanges and transfers, including SWP and Lopez Lake supplies.
- Maximize Lopez Lake pipeline capacity.

Discussion:

The NCMA agencies continue to evaluate alternative sources of water supply that could provide a more reliable and sustainable water supply for the NCMA. An expanded portfolio of water supply sources will support

sustainable management of the groundwater resource and help to reduce the risk of water shortages. These alternative sources include the following:

- **State Water Project.** OCSD and Pismo Beach are currently SWP customers. Both agencies increased their SWP allocations by securing “drought buffers” to increase the availability of supply during periods of SWP shortfalls. Grover Beach and Arroyo Grande are not SWP customers. However, Arroyo Grande approved a measure in 2016 authorizing the City to purchase SWP water from the SLOFCWCD’s excess entitlement on a temporary basis and only during a declared local water emergency. To date, Arroyo Grande has not declared such an emergency and has not purchased SWP water.
- **Water Recycling.** As discussed in Section 7.2.5, Pismo Beach and the SSLOCSD both prepared RWFPs to evaluate alternatives for a recycled water program that could provide a supplemental water supply source and improve the water supply reliability for the Pismo Beach and the SSLOCSD member agencies (Arroyo Grande, Grover Beach, and OCSD).

Section 7.2.5 also describes ongoing efforts for Central Coast Blue that will enable the NCMA agencies to produce recycled water to augment their water supplies. Construction of the new facility will allow for the use of recycled water to recharge the groundwater basin and provide a new, drought-proof source of water supply for the area. As conceived, the project includes construction of a distribution system that will inject advanced purified water into the SMGB and will allow the NCMA agencies to increase recharge to the aquifer, improve water supply reliability, and help prevent future occurrences of seawater intrusion.

- **Lopez Lake Expansion.** In 2008, the County sponsored a preliminary assessment of the concept of installing an inflatable rubber dam at the Lopez Dam spillway. Subsequently, the SLOFCWCD CSA 12 and Arroyo Grande, Grover Beach, and Pismo Beach funded a study to further analyze the feasibility of increasing the yield of Lopez Lake by raising the spillway height with an inflatable dam or permanent extension. The study was finalized in 2013 and identified the potential to increase the annual yield from Lopez Lake by 500 AFY with a spillway height increase of 6 feet (Stetson, 2013). The NCMA agencies and Zone 3 are continuing to evaluate other aspects of the project, including impacts on the Habitat Conservation Plan process.
- **Desalination.** In 2006, Arroyo Grande, Grover Beach, and OCSD used Proposition 50 funds to complete a feasibility study on desalination as an additional water supply option for the NCMA. This alternative supply is not considered to be a viable option at this time.

When PG&E announced plans to close its Diablo Canyon Power Plant, previous efforts by the SLOFCWCD to (1) evaluate the potential to expand the existing desalination facility at the PG&E Diablo Canyon Power Plant and (2) connect it to the Lopez Lake pipeline to provide a supplemental water supply for the Zone 3 agencies were terminated.

- **Nacimiento Pipeline Extension.** In 2006, Arroyo Grande, Grover Beach, and OCSD completed an evaluation of a Nacimiento pipeline extension to determine the feasibility of delivery of water from the Nacimiento reservoir to the NCMA. This alternative supply is not considered to be a viable option at this time.

This page intentionally left blank for duplex printing.

SECTION 8: References

- Allen, R.G., L.S. Pereira, D. Raes, and M. Smith. 1998. Crop Evapotranspiration: Guidelines for Computing Crop Water Requirements: Food and Agriculture Organization of the United Nations, Irrigation and Drainage Paper 56, 300p.
- Cal Poly. 2019. California Evapotranspiration Data for Irrigation District Water Balances, Irrigation Training & Research Center, San Luis Obispo, CA 93407-0730.
- Carollo Engineers. 2011. City of Pismo Beach 2010 Urban Water Management Plan.
- City of Arroyo Grande. 2017. Amended Final Draft, 2015 Urban Water Management Plan, City of Arroyo Grande.
- City of Grover Beach. 2010. City of Grover Beach 2010 Urban Water Management Plan.
- DWR. 1970. Sea-Water Intrusion: Pismo-Guadalupe Area. Bulletin No. 63-3, 76 p. Prepared by the California Department of Water Resources.
- DWR. 1975. Sea-Water Intrusion in California, Inventory of Coastal Ground Water Basins, Bulletin No. 63-5. Prepared by the California Department of Water Resources.
- DWR. 1979. Ground Water in the Arroyo Grande Area, Southern District Report. Prepared by the California Department of Water Resources.
- DWR. 2002. Water Resources of the Arroyo Grande – Nipomo Mesa Area: Southern District Report. Prepared by the California Department of Water Resources.
- DWR. 2016. IWFDM Demand Calculator IDC 2015: Theoretical Documentation and User’s Manual. Central Valley Modeling Unit. Prepared by the California Department of Water Resources Bay Delta Office.
- DWR et al. 2010. 20X2020 Water Conservation Plan. Prepared by the California Department of Water Resources, State Water Resources Control Board, California Bay-Delta Authority, California Energy Commission, California Department of Public Health, California Public Utilities Commission, California Air Resources Board.
- Fugro. 2015. Santa Maria Groundwater Basin Characterization and Planning Activities Study, Final Report. Prepared for San Luis Obispo County Flood Control and Water Conservation District, December 30, 2015. Prepared by Fugro Consultants, Inc.
- Geoscience Support Services. 2019. City of Pismo Beach and South San Luis Obispo County Sanitation District, Central Coast Blue Phase 1B Hydrogeologic Evaluation. Prepared for Water Systems Consulting, Inc., November 25, 2019. Prepared by Geoscience Support Services, Inc.
- Miller, G. A. and R.E. Evenson. 1966. Utilization of Groundwater in the Santa Maria Valley Area, California. USGS Water Supply Paper 1819-A.
- Mualem, Y. 1976. “A new model for predicting the hydraulic conductivity of unsaturated porous media.” Water Resources Res., 12, 513-522.
- Northern Cities Management Area. 2008. Annual Monitoring Report, prepared by Todd Engineers. April 2009.
- Northern Cities Management Area. 2009. Annual Monitoring Report, prepared by Todd Engineers. April 2010.
- Northern Cities Management Area. 2010. Annual Monitoring Report, prepared by GEI Consultants. April 2011.

- Northern Cities Management Area. 2011. Annual Monitoring Report, prepared by GEI Consultants. May 2012.
- Northern Cities Management Area. 2012. Annual Monitoring Report, prepared by GEI Consultants. April 2013.
- Northern Cities Management Area. 2013. Annual Monitoring Report, prepared by Fugro Consultants. April 2014.
- Northern Cities Management Area. 2014. Annual Monitoring Report, prepared by Fugro Consultants. April 2015.
- Northern Cities Management Area. 2015. Annual Monitoring Report, prepared by Fugro Consultants. April 2016.
- Northern Cities Management Area. 2016. Annual Monitoring Report, prepared by GSI Water Solutions, Inc. April 2017.
- Northern Cities Management Area. 2017. Annual Monitoring Report, prepared by GSI Water Solutions, Inc. April 2018.
- Northern Cities Management Area. 2018. Annual Monitoring Report, prepared by GSI Water Solutions, Inc. April 2019.
- Nipomo Mesa Management Area. 2010. 2nd Annual Report, Calendar Year 2009, prepared by the NMMA Technical Group, April 2010.
- Nipomo Mesa Management Area. 2011. 3rd Annual Report, Calendar Year 2010, prepared by the NMMA Technical Group, April 2011.
- Nipomo Mesa Management Area. 2012. 4th Annual Report, Calendar Year 2011, prepared by the NMMA Technical Group, April 2012.
- Nipomo Mesa Management Area. 2013. 5th Annual Report, Calendar Year 2012, prepared by the NMMA Technical Group, April 2013.
- Nipomo Mesa Management Area. 2014. 6th Annual Report, Calendar Year 2013, prepared by the NMMA Technical Group, April 2014.
- Nipomo Mesa Management Area. 2015. 7th Annual Report, Calendar Year 2014, prepared by the NMMA Technical Group, April 2015.
- Nipomo Mesa Management Area. 2016. 8th Annual Report, Calendar Year 2015, prepared by the NMMA Technical Group, April 2016.
- Nipomo Mesa Management Area, 9th Annual Report, Calendar Year 2016, prepared by the NMMA Technical Group, April 2017.
- PG&E. 2014. Central Coastal California Seismic Imaging Project (CCSIP), report to the California Public Utilities Commission. <http://www.pge.com/en/safety/systemworks/dcpp/seismicsafety/report.page>
Prepared by Pacific Gas and Electric Company.
- SLO Co. 2019. San Luis Obispo County Stormwater Resource Plan. Submitted to the State Water Resources Control Board on February 28, 2019. Prepared by San Luis Obispo County.
- SLOFCWCD. 2014. Low Reservoir Response Plan for the San Luis Obispo County Flood Control and Water Conservation District Zone 3. Prepared by the San Luis Obispo County Flood Control and Water Conservation District Zone 3.
- Stetson. 2013. Lopez Lake Spillway Raise Project Report. Prepared by Stetson Engineers, Inc.

- Todd. 2007. Water Balance Study for the Northern Cities Area. Prepared by Todd Engineers.
- Todd. 2008. Monitoring Program for the Northern Cities Management Area. Prepared by Todd Engineers.
- Todd. 2010. Summary of Renovations for the Northern Cities Management Area Sentry Wells, San Luis Obispo County, California. Prepared by Todd Engineers.
- U.S. Geological Survey. 2006. Quaternary fault and fold database for the United States.
<http://earthquake.usgs.gov/regional/qfaults>
- van Genuchten, M.T. 1985. "A closed-form solution for predicting the conductivity of unsaturated soils." Soil Sci. Soc. Am. J., 44, 892-898.
- Wallace Group. 2010. Survey Report on the "Sentry" Well Elevation Establishment for Cities of Arroyo Grande, Grover Beach, Pismo Beach and the Oceano Community Services District.
- WSC. 2011a. Capacity Assessment of the Coastal Branch, Chorro Valley, & Lopez Pipelines. Prepared by Water Systems Consulting, Inc. for the San Luis Obispo County Flood Control and Water Conservation District and the Central Coast Water Authority. Prepared by Water Systems Consulting, Inc.
- WSC. 2011b. Lopez Pipeline Re-Evaluation Technical Memorandum. Prepared by Water Systems Consulting, Inc. for the San Luis Obispo County Flood Control and Water Conservation District and the Central Coast Water Authority. Prepared by Water Systems Consulting, Inc.
- WSC. 2014. Final Draft Strategic Plan for the Northern Cities Management Area Technical Group, June 2014. Prepared by Water Systems Consulting, Inc.
- WSC. 2015. Recycled Water Facilities Planning Study – Final: prepared for the City of Pismo Beach, April 2015. Prepared by Water Systems Consulting, Inc.
- WSC. 2017. Lopez Bypass & State Water Delivery Evaluation. Prepared for the San Luis Obispo County Flood Control and Water Conservation District. Prepared by Water Systems Consulting, Inc.
- Woodring, W.P and M.N. Bramlette. 1950. "Geology and Paleontology of the Santa Maria District, California." U.S. Geological Survey, Professional Paper 222, 142 p.
- Worts, G.G., Jr. 1951. "Geology and Ground-water Resources of the Santa Maria Valley Area, California." U.S. Geological Survey Water-Supply Paper 1000, 176 p.

This page intentionally left blank.

APPENDIX A

NCMA Sentry Well Water Level and Water Quality Data

This page intentionally left blank.

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B01	North Beach Shallow	Alluvium	10/7/2020	6.27	Stove Pipe	Top of Steel	13.58	7.31
32S/12E-24B01	North Beach Shallow	Alluvium	7/6/2020	5.94	Stove Pipe	Top of Steel	13.58	7.64
32S/12E-24B01	North Beach Shallow	Alluvium	4/17/2020	5.93	Stove Pipe	Top of Steel	13.58	7.65
32S/12E-24B01	North Beach Shallow	Alluvium	1/7/2020	5.80	Stove Pipe	Top of Steel	13.58	7.78
32S/12E-24B01	North Beach Shallow	Alluvium	10/9/2019	6.22	Stove Pipe	Top of Steel	13.58	7.36
32S/12E-24B01	North Beach Shallow	Alluvium	7/9/2019	6.07	Stove Pipe	Top of Steel	13.58	7.51
32S/12E-24B01	North Beach Shallow	Alluvium	4/9/2019	6.40	Stove Pipe	Top of Steel	13.58	7.18
32S/12E-24B01	North Beach Shallow	Alluvium	1/8/2019	5.95	Stove Pipe	Top of Steel	13.58	7.63
32S/12E-24B01	North Beach Shallow	Alluvium	10/9/2018	6.29	Stove Pipe	Top of Steel	13.58	7.29
32S/12E-24B01	North Beach Shallow	Alluvium	7/10/2018	7.00	Stove Pipe	Top of Steel	13.58	6.58
32S/12E-24B01	North Beach Shallow	Alluvium	4/10/2018	6.48	Stove Pipe	Top of Steel	13.58	7.10
32S/12E-24B01	North Beach Shallow	Alluvium	1/10/2018	6.00	Stove Pipe	Top of Steel	13.58	7.58
32S/12E-24B01	North Beach Shallow	Alluvium	10/10/2017	6.12	Stove Pipe	Top of Steel	13.58	7.46
32S/12E-24B01	North Beach Shallow	Alluvium	7/11/2017	6.74	Stove Pipe	Top of Steel	13.58	6.84
32S/12E-24B01	North Beach Shallow	Alluvium	4/11/2017	6.30	Stove Pipe	Top of Steel	13.58	7.28
32S/12E-24B01	North Beach Shallow	Alluvium	1/10/2017	5.54	Stove Pipe	Top of Steel	13.58	8.04
32S/12E-24B01	North Beach Shallow	Alluvium	10/12/2016	6.54	Stove Pipe	Top of Steel	13.58	7.04
32S/12E-24B01	North Beach Shallow	Alluvium	7/19/2016	6.78	Stove Pipe	Top of Steel	13.58	6.80
32S/12E-24B01	North Beach Shallow	Alluvium	4/12/2016	6.35	Stove Pipe	Top of Steel	13.58	7.23
32S/12E-24B01	North Beach Shallow	Alluvium	1/12/2016	5.17	Stove Pipe	Top of Steel	13.58	8.41
32S/12E-24B01	North Beach Shallow	Alluvium	10/13/2015	5.73	Stove Pipe	Top of Steel	13.58	7.85
32S/12E-24B01	North Beach Shallow	Alluvium	7/14/2015	6.06	Stove Pipe	Top of Steel	13.58	7.52
32S/12E-24B01	North Beach Shallow	Alluvium	4/14/2015	6.22	Stove Pipe	Top of Steel	13.58	7.36
32S/12E-24B01	North Beach Shallow	Alluvium	1/13/2015	5.83	Stove Pipe	Top of Steel	13.58	7.75
32S/12E-24B01	North Beach Shallow	Alluvium	10/14/2014	5.76	Stove Pipe	Top of Steel	13.58	7.82
32S/12E-24B01	North Beach Shallow	Alluvium	7/29/2014	5.99	Stove Pipe	Top of Steel	13.58	7.59
32S/12E-24B01	North Beach Shallow	Alluvium	6/4/2014	6.52	Stove Pipe	Top of Steel	13.58	7.06
32S/12E-24B01	North Beach Shallow	Alluvium	4/15/2014	5.95	Stove Pipe	Top of Steel	13.58	7.63
32S/12E-24B01	North Beach Shallow	Alluvium	1/14/2014	5.75	Stove Pipe	Top of Steel	13.58	7.83
32S/12E-24B01	North Beach Shallow	Alluvium	10/14/2013	6.07	Stove Pipe	Top of Steel	13.58	7.51
32S/12E-24B01	North Beach Shallow	Alluvium	7/9/2013	6.09	Stove Pipe	Top of Steel	13.58	7.49
32S/12E-24B01	North Beach Shallow	Alluvium	4/10/2013	7.00	Stove Pipe	Top of Steel	13.58	6.58
32S/12E-24B01	North Beach Shallow	Alluvium	1/14/2013	5.72	Stove Pipe	Top of Steel	13.58	7.86
32S/12E-24B01	North Beach Shallow	Alluvium	10/29/2012	5.92	Stove Pipe	Top of Steel	13.58	7.66
32S/12E-24B01	North Beach Shallow	Alluvium	7/23/2012	5.79	Stove Pipe	Top of Steel	13.58	7.79
32S/12E-24B01	North Beach Shallow	Alluvium	4/18/2012	5.58	Stove Pipe	Top of Steel	13.58	8.00
32S/12E-24B01	North Beach Shallow	Alluvium	1/11/2012	5.72	Stove Pipe	Top of Steel	13.58	7.86
32S/12E-24B01	North Beach Shallow	Alluvium	11/21/2011	5.80	Stove Pipe	Top of Steel	13.58	7.78
32S/12E-24B01	North Beach Shallow	Alluvium	7/26/2011	6.38	Stove Pipe	Top of Steel	13.58	7.20
32S/12E-24B01	North Beach Shallow	Alluvium	4/20/2011	6.40	Stove Pipe	Top of Steel	13.58	7.18
32S/12E-24B01	North Beach Shallow	Alluvium	1/24/2011	5.78	Stove Pipe	Top of Steel	13.58	7.80
32S/12E-24B01	North Beach Shallow	Alluvium	10/21/2010	6.37	Stove Pipe	Top of Steel	13.58	7.21
32S/12E-24B01	North Beach Shallow	Alluvium	7/27/2010	6.48	Stove Pipe	Top of Steel	13.58	7.1
32S/12E-24B01	North Beach Shallow	Alluvium	4/27/2010	3.84	Flush	Top Flush Mount	10.70	6.86

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B01	North Beach Shallow	Alluvium	1/27/2010	3.13	Flush	Top Flush Mount	10.70	7.57
32S/12E-24B01	North Beach Shallow	Alluvium	10/19/2009	2.28	Flush	Top Flush Mount	10.70	8.42
32S/12E-24B01	North Beach Shallow	Alluvium	8/20/2009	3.25	Flush	Top Flush Mount	10.70	7.45
32S/12E-24B01	North Beach Shallow	Alluvium	5/12/2009	3.58	Flush	Top Flush Mount	10.70	7.12
32S/12E-24B01	North Beach Shallow	Alluvium	4/7/2009	1.61	Flush	Top Flush Mount	10.70	9.09
32S/12E-24B01	North Beach Shallow	Alluvium	10/15/2008	4.72	Flush	Top Flush Mount	10.70	5.98
32S/12E-24B01	North Beach Shallow	Alluvium	4/15/2008	2.65	Flush	Top Flush Mount	10.70	8.05
32S/12E-24B01	North Beach Shallow	Alluvium	10/18/2007	5.15	Flush	Top Flush Mount	10.70	5.55
32S/12E-24B01	North Beach Shallow	Alluvium	10/19/2006	0.75	Flush	Top Flush Mount	10.70	9.95
32S/12E-24B01	North Beach Shallow	Alluvium	4/25/2006	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B01	North Beach Shallow	Alluvium	10/7/2005	4.30	Flush	Top Flush Mount	10.70	6.40
32S/12E-24B01	North Beach Shallow	Alluvium	4/29/2005	2.65	Flush	Top Flush Mount	10.70	8.05
32S/12E-24B01	North Beach Shallow	Alluvium	10/29/2004	4.70	Flush	Top Flush Mount	10.70	6.00
32S/12E-24B01	North Beach Shallow	Alluvium	4/8/2004	0.80	Flush	Top Flush Mount	10.70	9.90
32S/12E-24B01	North Beach Shallow	Alluvium	10/8/2003	1.20	Flush	Top Flush Mount	10.70	9.50
32S/12E-24B01	North Beach Shallow	Alluvium	10/14/2002	3.60	Flush	Top Flush Mount	10.70	7.10
32S/12E-24B01	North Beach Shallow	Alluvium	4/9/2002	0.80	Flush	Top Flush Mount	10.70	9.90
32S/12E-24B01	North Beach Shallow	Alluvium	10/5/2001	2.70	Flush	Top Flush Mount	10.70	8.00
32S/12E-24B01	North Beach Shallow	Alluvium	4/23/2001	2.20	Flush	Top Flush Mount	10.70	8.50
32S/12E-24B01	North Beach Shallow	Alluvium	4/24/2000	3.50	Flush	Top Flush Mount	10.70	7.20
32S/12E-24B01	North Beach Shallow	Alluvium	10/29/1999	3.20	Flush	Top Flush Mount	10.70	7.50
32S/12E-24B01	North Beach Shallow	Alluvium	4/15/1999	1.78	Flush	Top Flush Mount	10.70	8.92
32S/12E-24B01	North Beach Shallow	Alluvium	10/20/1998	2.20	Flush	Top Flush Mount	10.70	8.50
32S/12E-24B01	North Beach Shallow	Alluvium	4/23/1998	1.00	Flush	Top Flush Mount	10.70	9.70
32S/12E-24B01	North Beach Shallow	Alluvium	10/22/1997	3.16	Flush	Top Flush Mount	10.70	7.54
32S/12E-24B01	North Beach Shallow	Alluvium	4/29/1997	3.13	Flush	Top Flush Mount	10.70	7.57
32S/12E-24B01	North Beach Shallow	Alluvium	10/23/1996	4.50	Flush	Top Flush Mount	10.70	6.20
32S/12E-24B01	North Beach Shallow	Alluvium	4/29/1996	3.20	Flush	Top Flush Mount	10.70	7.50
32S/12E-24B01	North Beach Shallow	Alluvium	10/10/1995	3.30	Flush	Top Flush Mount	10.70	7.40
32S/12E-24B01	North Beach Shallow	Alluvium	4/19/1995	1.89	Flush	Top Flush Mount	10.70	8.81
32S/12E-24B01	North Beach Shallow	Alluvium	11/1/1994	4.70	Flush	Top Flush Mount	10.70	6.00
32S/12E-24B01	North Beach Shallow	Alluvium	4/11/1994	3.96	Flush	Top Flush Mount	10.70	6.74
32S/12E-24B01	North Beach Shallow	Alluvium	10/13/1993	3.95	Flush	Top Flush Mount	10.70	6.75
32S/12E-24B01	North Beach Shallow	Alluvium	4/8/1993	2.89	Flush	Top Flush Mount	10.70	7.81
32S/12E-24B01	North Beach Shallow	Alluvium	11/4/1992	3.20	Flush	Top Flush Mount	10.70	7.50
32S/12E-24B01	North Beach Shallow	Alluvium	4/21/1992	3.90	Flush	Top Flush Mount	10.70	6.80
32S/12E-24B01	North Beach Shallow	Alluvium	10/11/1991	4.51	Flush	Top Flush Mount	10.70	6.19
32S/12E-24B01	North Beach Shallow	Alluvium	4/19/1991	4.35	Flush	Top Flush Mount	10.70	6.35
32S/12E-24B01	North Beach Shallow	Alluvium	10/11/1990	4.34	Flush	Top Flush Mount	10.70	6.36
32S/12E-24B01	North Beach Shallow	Alluvium	4/24/1990	4.54	Flush	Top Flush Mount	10.70	6.16
32S/12E-24B01	North Beach Shallow	Alluvium	10/4/1989	3.51	Flush	Top Flush Mount	10.70	7.19
32S/12E-24B01	North Beach Shallow	Alluvium	4/17/1989	4.31	Flush	Top Flush Mount	10.70	6.39
32S/12E-24B01	North Beach Shallow	Alluvium	10/20/1988	4.40	Flush	Top Flush Mount	10.70	6.30
32S/12E-24B01	North Beach Shallow	Alluvium	4/29/1988	4.26	Flush	Top Flush Mount	10.70	6.44

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B01	North Beach Shallow	Alluvium	4/21/1988	4.34	Flush	Top Flush Mount	10.70	6.36
32S/12E-24B01	North Beach Shallow	Alluvium	10/19/1987	4.45	Flush	Top Flush Mount	10.70	6.25
32S/12E-24B01	North Beach Shallow	Alluvium	4/13/1987	3.18	Flush	Top Flush Mount	10.70	7.52
32S/12E-24B01	North Beach Shallow	Alluvium	10/31/1986	3.88	Flush	Top Flush Mount	10.70	6.82
32S/12E-24B01	North Beach Shallow	Alluvium	4/27/1986	4.18	Flush	Top Flush Mount	10.70	6.52
32S/12E-24B01	North Beach Shallow	Alluvium	10/18/1985	3.41	Flush	Top Flush Mount	10.70	7.29
32S/12E-24B01	North Beach Shallow	Alluvium	4/22/1985	2.10	Flush	Top Flush Mount	10.70	8.60
32S/12E-24B01	North Beach Shallow	Alluvium	10/29/1984	2.12	Flush	Top Flush Mount	10.70	8.58
32S/12E-24B01	North Beach Shallow	Alluvium	10/28/1983	1.92	Flush	Top Flush Mount	10.70	8.78
32S/12E-24B01	North Beach Shallow	Alluvium	5/6/1982	2.15	Flush	Top Flush Mount	10.70	8.55
32S/12E-24B01	North Beach Shallow	Alluvium	10/19/1981	2.08	Flush	Top Flush Mount	10.70	8.62
32S/12E-24B01	North Beach Shallow	Alluvium	4/21/1981	2.06	Flush	Top Flush Mount	10.70	8.64
32S/12E-24B01	North Beach Shallow	Alluvium	10/21/1980	2.59	Flush	Top Flush Mount	10.70	8.11
32S/12E-24B01	North Beach Shallow	Alluvium	5/9/1980	2.08	Flush	Top Flush Mount	10.70	8.62
32S/12E-24B01	North Beach Shallow	Alluvium	11/7/1979	2.60	Flush	Top Flush Mount	10.70	8.10
32S/12E-24B01	North Beach Shallow	Alluvium	4/17/1979	2.13	Flush	Top Flush Mount	10.70	8.57
32S/12E-24B01	North Beach Shallow	Alluvium	5/17/1977	2.39	Flush	Top Flush Mount	10.70	8.31
32S/12E-24B01	North Beach Shallow	Alluvium	6/9/1976	14.00	Flush	Top Flush Mount	10.70	-3.30
32S/12E-24B01	North Beach Shallow	Alluvium	5/21/1976	4.00	Flush	Top Flush Mount	10.70	6.70
32S/12E-24B01	North Beach Shallow	Alluvium	1/14/1976	2.00	Flush	Top Flush Mount	10.70	8.70
32S/12E-24B01	North Beach Shallow	Alluvium	7/7/1975	2.00	Flush	Top Flush Mount	10.70	8.70
32S/12E-24B01	North Beach Shallow	Alluvium	4/1/1975	2.08	Flush	Top Flush Mount	10.70	8.62
32S/12E-24B01	North Beach Shallow	Alluvium	6/7/1974	1.00	Flush	Top Flush Mount	10.70	9.70
32S/12E-24B01	North Beach Shallow	Alluvium	4/1/1974	2.00	Flush	Top Flush Mount	10.70	8.70
32S/12E-24B01	North Beach Shallow	Alluvium	9/20/1973	2.16	Flush	Top Flush Mount	10.70	8.54
32S/12E-24B01	North Beach Shallow	Alluvium	6/29/1972	2.57	Flush	Top Flush Mount	10.70	8.13
32S/12E-24B01	North Beach Shallow	Alluvium	2/29/1972	1.00	Flush	Top Flush Mount	10.70	9.70
32S/12E-24B01	North Beach Shallow	Alluvium	2/21/1972	1.45	Flush	Top Flush Mount	10.70	9.25
32S/12E-24B01	North Beach Shallow	Alluvium	11/29/1971	2.36	Flush	Top Flush Mount	10.70	8.34
32S/12E-24B01	North Beach Shallow	Alluvium	8/28/1971	2.25	Flush	Top Flush Mount	10.70	8.45
32S/12E-24B01	North Beach Shallow	Alluvium	6/2/1971	2.59	Flush	Top Flush Mount	10.70	8.11
32S/12E-24B01	North Beach Shallow	Alluvium	3/2/1971	1.81	Flush	Top Flush Mount	10.70	8.89
32S/12E-24B01	North Beach Shallow	Alluvium	12/15/1970	2.42	Flush	Top Flush Mount	10.70	8.28
32S/12E-24B01	North Beach Shallow	Alluvium	8/4/1970	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B01	North Beach Shallow	Alluvium	6/3/1970	2.30	Flush	Top Flush Mount	10.70	8.40
32S/12E-24B01	North Beach Shallow	Alluvium	3/27/1970	2.16	Flush	Top Flush Mount	10.70	8.54
32S/12E-24B01	North Beach Shallow	Alluvium	1/29/1970	2.23	Flush	Top Flush Mount	10.70	8.47
32S/12E-24B01	North Beach Shallow	Alluvium	10/3/1969	2.55	Flush	Top Flush Mount	10.70	8.15
32S/12E-24B01	North Beach Shallow	Alluvium	7/23/1969	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B01	North Beach Shallow	Alluvium	6/24/1969	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B01	North Beach Shallow	Alluvium	5/22/1969	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B01	North Beach Shallow	Alluvium	4/18/1969	2.13	Flush	Top Flush Mount	10.70	8.57
32S/12E-24B01	North Beach Shallow	Alluvium	1/15/1969	2.71	Flush	Top Flush Mount	10.70	7.99
32S/12E-24B01	North Beach Shallow	Alluvium	12/12/1968	2.81	Flush	Top Flush Mount	10.70	7.89

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B01	North Beach Shallow	Alluvium	11/14/1968	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B01	North Beach Shallow	Alluvium	10/17/1968	3.47	Flush	Top Flush Mount	10.70	7.23
32S/12E-24B01	North Beach Shallow	Alluvium	9/14/1968	3.64	Flush	Top Flush Mount	10.70	7.06
32S/12E-24B01	North Beach Shallow	Alluvium	8/13/1968	3.23	Flush	Top Flush Mount	10.70	7.47
32S/12E-24B01	North Beach Shallow	Alluvium	7/22/1968	3.68	Flush	Top Flush Mount	10.70	7.02
32S/12E-24B01	North Beach Shallow	Alluvium	6/24/1968	3.70	Flush	Top Flush Mount	10.70	7.00
32S/12E-24B01	North Beach Shallow	Alluvium	5/30/1968	3.69	Flush	Top Flush Mount	10.70	7.01
32S/12E-24B01	North Beach Shallow	Alluvium	4/20/1968	2.84	Flush	Top Flush Mount	10.70	7.86
32S/12E-24B01	North Beach Shallow	Alluvium	3/21/1968	2.99	Flush	Top Flush Mount	10.70	7.71
32S/12E-24B01	North Beach Shallow	Alluvium	2/22/1968	2.67	Flush	Top Flush Mount	10.70	8.03
32S/12E-24B01	North Beach Shallow	Alluvium	1/16/1968	2.34	Flush	Top Flush Mount	10.70	8.36
32S/12E-24B01	North Beach Shallow	Alluvium	12/8/1967	2.66	Flush	Top Flush Mount	10.70	8.04
32S/12E-24B01	North Beach Shallow	Alluvium	11/13/1967	2.99	Flush	Top Flush Mount	10.70	7.71
32S/12E-24B01	North Beach Shallow	Alluvium	10/11/1967	3.86	Flush	Top Flush Mount	10.70	6.84
32S/12E-24B01	North Beach Shallow	Alluvium	9/5/1967	3.35	Flush	Top Flush Mount	10.70	7.35
32S/12E-24B01	North Beach Shallow	Alluvium	8/8/1967	3.57	Flush	Top Flush Mount	10.70	7.13
32S/12E-24B01	North Beach Shallow	Alluvium	7/12/1967	3.69	Flush	Top Flush Mount	10.70	7.01
32S/12E-24B01	North Beach Shallow	Alluvium	6/1/1967	3.20	Flush	Top Flush Mount	10.70	7.50
32S/12E-24B01	North Beach Shallow	Alluvium	5/2/1967	3.10	Flush	Top Flush Mount	10.70	7.60

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B02	North Beach Middle	Paso Robles	10/7/2020	6.64	Stove Pipe	Top of Steel	13.58	6.94
32S/12E-24B02	North Beach Middle	Paso Robles	7/6/2020	6.35	Stove Pipe	Top of Steel	13.58	7.23
32S/12E-24B02	North Beach Middle	Paso Robles	4/7/2020	5.54	Stove Pipe	Top of Steel	13.58	8.04
32S/12E-24B02	North Beach Middle	Paso Robles	1/7/2020	5.93	Stove Pipe	Top of Steel	13.58	7.65
32S/12E-24B02	North Beach Middle	Paso Robles	10/9/2019	6.52	Stove Pipe	Top of Steel	13.58	7.06
32S/12E-24B02	North Beach Middle	Paso Robles	7/9/2019	6.40	Stove Pipe	Top of Steel	13.58	7.18
32S/12E-24B02	North Beach Middle	Paso Robles	4/9/2019	6.50	Stove Pipe	Top of Steel	13.58	7.08
32S/12E-24B02	North Beach Middle	Paso Robles	1/8/2019	6.00	Stove Pipe	Top of Steel	13.58	7.58
32S/12E-24B02	North Beach Middle	Paso Robles	10/9/2018	6.65	Stove Pipe	Top of Steel	13.58	6.93
32S/12E-24B02	North Beach Middle	Paso Robles	7/10/2018	7.17	Stove Pipe	Top of Steel	13.58	6.41
32S/12E-24B02	North Beach Middle	Paso Robles	4/10/2018	6.02	Stove Pipe	Top of Steel	13.58	7.56
32S/12E-24B02	North Beach Middle	Paso Robles	1/10/2018	5.57	Stove Pipe	Top of Steel	13.58	8.01
32S/12E-24B02	North Beach Middle	Paso Robles	10/10/2017	6.46	Stove Pipe	Top of Steel	13.58	7.12
32S/12E-24B02	North Beach Middle	Paso Robles	7/11/2017	6.93	Stove Pipe	Top of Steel	13.58	6.65
32S/12E-24B02	North Beach Middle	Paso Robles	4/11/2017	6.26	Stove Pipe	Top of Steel	13.58	7.32
32S/12E-24B02	North Beach Middle	Paso Robles	1/10/2017	5.33	Stove Pipe	Top of Steel	13.58	8.25
32S/12E-24B02	North Beach Middle	Paso Robles	10/12/2016	7.05	Stove Pipe	Top of Steel	13.58	6.53
32S/12E-24B02	North Beach Middle	Paso Robles	7/19/2016	7.61	Stove Pipe	Top of Steel	13.58	5.97
32S/12E-24B02	North Beach Middle	Paso Robles	4/12/2016	6.37	Stove Pipe	Top of Steel	13.58	7.21
32S/12E-24B02	North Beach Middle	Paso Robles	1/12/2016	5.51	Stove Pipe	Top of Steel	13.58	8.07
32S/12E-24B02	North Beach Middle	Paso Robles	10/13/2015	6.61	Stove Pipe	Top of Steel	13.58	6.97
32S/12E-24B02	North Beach Middle	Paso Robles	7/14/2015	6.97	Stove Pipe	Top of Steel	13.58	6.61
32S/12E-24B02	North Beach Middle	Paso Robles	4/14/2015	7.13	Stove Pipe	Top of Steel	13.58	6.45
32S/12E-24B02	North Beach Middle	Paso Robles	1/13/2015	6.28	Stove Pipe	Top of Steel	13.58	7.30
32S/12E-24B02	North Beach Middle	Paso Robles	10/14/2014	6.61	Stove Pipe	Top of Steel	13.58	6.97
32S/12E-24B02	North Beach Middle	Paso Robles	7/29/2014	7.05	Stove Pipe	Top of Steel	13.58	6.53
32S/12E-24B02	North Beach Middle	Paso Robles	6/4/2014	8.25	Stove Pipe	Top of Steel	13.58	5.33
32S/12E-24B02	North Beach Middle	Paso Robles	4/15/2014	6.55	Stove Pipe	Top of Steel	13.58	7.03
32S/12E-24B02	North Beach Middle	Paso Robles	1/14/2014	6.34	Stove Pipe	Top of Steel	13.58	7.24
32S/12E-24B02	North Beach Middle	Paso Robles	10/14/2013	7.08	Stove Pipe	Top of Steel	13.58	6.50
32S/12E-24B02	North Beach Middle	Paso Robles	7/9/2013	7.17	Stove Pipe	Top of Steel	13.58	6.41
32S/12E-24B02	North Beach Middle	Paso Robles	4/10/2013	6.33	Stove Pipe	Top of Steel	13.58	7.25
32S/12E-24B02	North Beach Middle	Paso Robles	1/14/2013	5.61	Stove Pipe	Top of Steel	13.58	7.97
32S/12E-24B02	North Beach Middle	Paso Robles	10/29/2012	5.88	Stove Pipe	Top of Steel	13.58	7.7
32S/12E-24B02	North Beach Middle	Paso Robles	7/23/2012	6.12	Stove Pipe	Top of Steel	13.58	7.46
32S/12E-24B02	North Beach Middle	Paso Robles	4/18/2012	5.48	Stove Pipe	Top of Steel	13.58	8.1
32S/12E-24B02	North Beach Middle	Paso Robles	1/11/2012	5.47	Stove Pipe	Top of Steel	13.58	8.11
32S/12E-24B02	North Beach Middle	Paso Robles	11/21/2011	5.69	Stove Pipe	Top of Steel	13.58	7.89
32S/12E-24B02	North Beach Middle	Paso Robles	7/26/2011	6.51	Stove Pipe	Top of Steel	13.58	7.07
32S/12E-24B02	North Beach Middle	Paso Robles	4/20/2011	6.30	Stove Pipe	Top of Steel	13.58	7.28
32S/12E-24B02	North Beach Middle	Paso Robles	1/24/2011	5.69	Stove Pipe	Top of Steel	13.58	7.89
32S/12E-24B02	North Beach Middle	Paso Robles	10/21/2010	6.79	Stove Pipe	Top of Steel	13.58	6.79
32S/12E-24B02	North Beach Middle	Paso Robles	7/27/2010	7.05	Stove Pipe	Top of Steel	13.58	6.53
32S/12E-24B02	North Beach Middle	Paso Robles	4/27/2010	4.34	Flush	Top Flush Mount	10.70	6.36

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B02	North Beach Middle	Paso Robles	1/27/2010	3.38	Flush	Top Flush Mount	10.70	7.32
32S/12E-24B02	North Beach Middle	Paso Robles	10/19/2009	2.26	Flush	Top Flush Mount	10.70	8.44
32S/12E-24B02	North Beach Middle	Paso Robles	8/20/2009	4.09	Flush	Top Flush Mount	10.70	6.61
32S/12E-24B02	North Beach Middle	Paso Robles	5/12/2009	4.74	Flush	Top Flush Mount	10.70	5.96
32S/12E-24B02	North Beach Middle	Paso Robles	10/15/2008	4.54	Flush	Top Flush Mount	10.70	6.16
32S/12E-24B02	North Beach Middle	Paso Robles	4/15/2008	3.17	Flush	Top Flush Mount	10.70	7.53
32S/12E-24B02	North Beach Middle	Paso Robles	10/18/2007	3.75	Flush	Top Flush Mount	10.70	6.95
32S/12E-24B02	North Beach Middle	Paso Robles	4/17/2007	3.34	Flush	Top Flush Mount	10.70	7.36
32S/12E-24B02	North Beach Middle	Paso Robles	10/19/2006	3.40	Flush	Top Flush Mount	10.70	7.30
32S/12E-24B02	North Beach Middle	Paso Robles	4/25/2006	2.65	Flush	Top Flush Mount	10.70	8.05
32S/12E-24B02	North Beach Middle	Paso Robles	10/7/2005	3.10	Flush	Top Flush Mount	10.70	7.60
32S/12E-24B02	North Beach Middle	Paso Robles	4/28/2005	0.92	Flush	Top Flush Mount	10.70	9.78
32S/12E-24B02	North Beach Middle	Paso Robles	10/29/2004	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B02	North Beach Middle	Paso Robles	4/8/2004	3.50	Flush	Top Flush Mount	10.70	7.20
32S/12E-24B02	North Beach Middle	Paso Robles	10/14/2002	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B02	North Beach Middle	Paso Robles	4/9/2002	3.30	Flush	Top Flush Mount	10.70	7.40
32S/12E-24B02	North Beach Middle	Paso Robles	10/5/2001	2.40	Flush	Top Flush Mount	10.70	8.30
32S/12E-24B02	North Beach Middle	Paso Robles	4/23/2001	2.80	Flush	Top Flush Mount	10.70	7.90
32S/12E-24B02	North Beach Middle	Paso Robles	4/24/2000	3.40	Flush	Top Flush Mount	10.70	7.30
32S/12E-24B02	North Beach Middle	Paso Robles	10/29/1999	2.90	Flush	Top Flush Mount	10.70	7.80
32S/12E-24B02	North Beach Middle	Paso Robles	4/15/1999	2.30	Flush	Top Flush Mount	10.70	8.40
32S/12E-24B02	North Beach Middle	Paso Robles	10/20/1998	3.20	Flush	Top Flush Mount	10.70	7.50
32S/12E-24B02	North Beach Middle	Paso Robles	4/23/1998	2.30	Flush	Top Flush Mount	10.70	8.40
32S/12E-24B02	North Beach Middle	Paso Robles	10/22/1997	2.70	Flush	Top Flush Mount	10.70	8.00
32S/12E-24B02	North Beach Middle	Paso Robles	4/29/1997	3.59	Flush	Top Flush Mount	10.70	7.11
32S/12E-24B02	North Beach Middle	Paso Robles	10/23/1996	3.68	Flush	Top Flush Mount	10.70	7.02
32S/12E-24B02	North Beach Middle	Paso Robles	4/29/1996	3.20	Flush	Top Flush Mount	10.70	7.50
32S/12E-24B02	North Beach Middle	Paso Robles	10/10/1995	3.80	Flush	Top Flush Mount	10.70	6.90
32S/12E-24B02	North Beach Middle	Paso Robles	4/19/1995	3.39	Flush	Top Flush Mount	10.70	7.31
32S/12E-24B02	North Beach Middle	Paso Robles	11/1/1994	3.88	Flush	Top Flush Mount	10.70	6.82
32S/12E-24B02	North Beach Middle	Paso Robles	4/11/1994	3.54	Flush	Top Flush Mount	10.70	7.16
32S/12E-24B02	North Beach Middle	Paso Robles	10/13/1993	3.49	Flush	Top Flush Mount	10.70	7.21
32S/12E-24B02	North Beach Middle	Paso Robles	4/8/1993	3.23	Flush	Top Flush Mount	10.70	7.47
32S/12E-24B02	North Beach Middle	Paso Robles	11/4/1992	4.60	Flush	Top Flush Mount	10.70	6.10
32S/12E-24B02	North Beach Middle	Paso Robles	4/21/1992	4.35	Flush	Top Flush Mount	10.70	6.35
32S/12E-24B02	North Beach Middle	Paso Robles	10/11/1991	4.86	Flush	Top Flush Mount	10.70	5.84
32S/12E-24B02	North Beach Middle	Paso Robles	4/19/1991	4.22	Flush	Top Flush Mount	10.70	6.48
32S/12E-24B02	North Beach Middle	Paso Robles	10/11/1990	4.66	Flush	Top Flush Mount	10.70	6.04
32S/12E-24B02	North Beach Middle	Paso Robles	4/24/1990	4.54	Flush	Top Flush Mount	10.70	6.16
32S/12E-24B02	North Beach Middle	Paso Robles	10/4/1989	4.31	Flush	Top Flush Mount	10.70	6.39
32S/12E-24B02	North Beach Middle	Paso Robles	4/17/1989	4.13	Flush	Top Flush Mount	10.70	6.57
32S/12E-24B02	North Beach Middle	Paso Robles	10/20/1988	4.40	Flush	Top Flush Mount	10.70	6.30
32S/12E-24B02	North Beach Middle	Paso Robles	4/29/1988	3.86	Flush	Top Flush Mount	10.70	6.84
32S/12E-24B02	North Beach Middle	Paso Robles	4/21/1988	3.93	Flush	Top Flush Mount	10.70	6.77

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B02	North Beach Middle	Paso Robles	10/19/1987	3.97	Flush	Top Flush Mount	10.70	6.73
32S/12E-24B02	North Beach Middle	Paso Robles	4/13/1987	2.68	Flush	Top Flush Mount	10.70	8.02
32S/12E-24B02	North Beach Middle	Paso Robles	10/31/1986	3.70	Flush	Top Flush Mount	10.70	7.00
32S/12E-24B02	North Beach Middle	Paso Robles	4/27/1986	3.65	Flush	Top Flush Mount	10.70	7.05
32S/12E-24B02	North Beach Middle	Paso Robles	10/18/1985	3.50	Flush	Top Flush Mount	10.70	7.20
32S/12E-24B02	North Beach Middle	Paso Robles	4/22/1985	3.30	Flush	Top Flush Mount	10.70	7.40
32S/12E-24B02	North Beach Middle	Paso Robles	10/29/1984	3.26	Flush	Top Flush Mount	10.70	7.44
32S/12E-24B02	North Beach Middle	Paso Robles	10/28/1983	2.68	Flush	Top Flush Mount	10.70	8.02
32S/12E-24B02	North Beach Middle	Paso Robles	5/6/1982	3.05	Flush	Top Flush Mount	10.70	7.65
32S/12E-24B02	North Beach Middle	Paso Robles	10/19/1981	3.51	Flush	Top Flush Mount	10.70	7.19
32S/12E-24B02	North Beach Middle	Paso Robles	4/21/1981	3.04	Flush	Top Flush Mount	10.70	7.66
32S/12E-24B02	North Beach Middle	Paso Robles	10/21/1980	3.50	Flush	Top Flush Mount	10.70	7.20
32S/12E-24B02	North Beach Middle	Paso Robles	5/9/1980	3.51	Flush	Top Flush Mount	10.70	7.19
32S/12E-24B02	North Beach Middle	Paso Robles	11/7/1979	2.72	Flush	Top Flush Mount	10.70	7.98
32S/12E-24B02	North Beach Middle	Paso Robles	4/17/1979	2.90	Flush	Top Flush Mount	10.70	7.80
32S/12E-24B02	North Beach Middle	Paso Robles	12/4/1978	2.55	Flush	Top Flush Mount	10.70	8.15
32S/12E-24B02	North Beach Middle	Paso Robles	5/4/1978	2.00	Flush	Top Flush Mount	10.70	8.70
32S/12E-24B02	North Beach Middle	Paso Robles	11/7/1977	3.45	Flush	Top Flush Mount	10.70	7.25
32S/12E-24B02	North Beach Middle	Paso Robles	5/17/1977	3.52	Flush	Top Flush Mount	10.70	7.18
32S/12E-24B02	North Beach Middle	Paso Robles	6/9/1976	9.89	Flush	Top Flush Mount	10.70	0.81
32S/12E-24B02	North Beach Middle	Paso Robles	1/14/1976	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B02	North Beach Middle	Paso Robles	7/7/1975	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B02	North Beach Middle	Paso Robles	4/17/1975	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B02	North Beach Middle	Paso Robles	6/7/1974	2.00	Flush	Top Flush Mount	10.70	8.70
32S/12E-24B02	North Beach Middle	Paso Robles	9/20/1973	3.32	Flush	Top Flush Mount	10.70	7.38
32S/12E-24B02	North Beach Middle	Paso Robles	6/29/1972	3.05	Flush	Top Flush Mount	10.70	7.65
32S/12E-24B02	North Beach Middle	Paso Robles	3/2/1972	2.80	Flush	Top Flush Mount	10.70	7.90
32S/12E-24B02	North Beach Middle	Paso Robles	2/29/1972	2.62	Flush	Top Flush Mount	10.70	8.08
32S/12E-24B02	North Beach Middle	Paso Robles	11/29/1971	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B02	North Beach Middle	Paso Robles	8/25/1971	3.40	Flush	Top Flush Mount	10.70	7.30
32S/12E-24B02	North Beach Middle	Paso Robles	6/2/1971	3.10	Flush	Top Flush Mount	10.70	7.60
32S/12E-24B02	North Beach Middle	Paso Robles	12/15/1970	2.65	Flush	Top Flush Mount	10.70	8.05
32S/12E-24B02	North Beach Middle	Paso Robles	8/4/1970	3.19	Flush	Top Flush Mount	10.70	7.51
32S/12E-24B02	North Beach Middle	Paso Robles	6/3/1970	3.17	Flush	Top Flush Mount	10.70	7.53
32S/12E-24B02	North Beach Middle	Paso Robles	3/27/1970	2.70	Flush	Top Flush Mount	10.70	8.00
32S/12E-24B02	North Beach Middle	Paso Robles	1/29/1970	2.62	Flush	Top Flush Mount	10.70	8.08
32S/12E-24B02	North Beach Middle	Paso Robles	10/3/1969	3.33	Flush	Top Flush Mount	10.70	7.37
32S/12E-24B02	North Beach Middle	Paso Robles	7/23/1969	4.00	Flush	Top Flush Mount	10.70	6.70
32S/12E-24B02	North Beach Middle	Paso Robles	6/24/1969	4.00	Flush	Top Flush Mount	10.70	6.70
32S/12E-24B02	North Beach Middle	Paso Robles	5/22/1969	4.00	Flush	Top Flush Mount	10.70	6.70
32S/12E-24B02	North Beach Middle	Paso Robles	4/18/1969	2.58	Flush	Top Flush Mount	10.70	8.12
32S/12E-24B02	North Beach Middle	Paso Robles	1/15/1969	2.55	Flush	Top Flush Mount	10.70	8.15
32S/12E-24B02	North Beach Middle	Paso Robles	12/12/1968	3.00	Flush	Top Flush Mount	10.70	7.70
32S/12E-24B02	North Beach Middle	Paso Robles	11/14/1968	2.89	Flush	Top Flush Mount	10.70	1.97

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B02	North Beach Middle	Paso Robles	10/17/1968	3.26	Flush	Top Flush Mount	10.70	7.44
32S/12E-24B02	North Beach Middle	Paso Robles	9/14/1968	4.25	Flush	Top Flush Mount	10.70	6.45
32S/12E-24B02	North Beach Middle	Paso Robles	8/13/1968	3.52	Flush	Top Flush Mount	10.70	7.18
32S/12E-24B02	North Beach Middle	Paso Robles	7/22/1968	3.65	Flush	Top Flush Mount	10.70	7.05
32S/12E-24B02	North Beach Middle	Paso Robles	6/24/1968	3.50	Flush	Top Flush Mount	10.70	7.20
32S/12E-24B02	North Beach Middle	Paso Robles	5/30/1968	4.65	Flush	Top Flush Mount	10.70	6.05
32S/12E-24B02	North Beach Middle	Paso Robles	4/20/1968	3.05	Flush	Top Flush Mount	10.70	7.65
32S/12E-24B02	North Beach Middle	Paso Robles	3/21/1968	2.51	Flush	Top Flush Mount	10.70	8.19
32S/12E-24B02	North Beach Middle	Paso Robles	2/22/1968	2.32	Flush	Top Flush Mount	10.70	8.38
32S/12E-24B02	North Beach Middle	Paso Robles	1/17/1968	1.75	Flush	Top Flush Mount	10.70	8.95
32S/12E-24B02	North Beach Middle	Paso Robles	12/8/1967	2.45	Flush	Top Flush Mount	10.70	8.25
32S/12E-24B02	North Beach Middle	Paso Robles	11/13/1967	2.95	Flush	Top Flush Mount	10.70	7.75
32S/12E-24B02	North Beach Middle	Paso Robles	10/11/1967	3.70	Flush	Top Flush Mount	10.70	7.00
32S/12E-24B02	North Beach Middle	Paso Robles	9/5/1967	3.21	Flush	Top Flush Mount	10.70	7.49
32S/12E-24B02	North Beach Middle	Paso Robles	8/8/1967	3.34	Flush	Top Flush Mount	10.70	7.36
32S/12E-24B02	North Beach Middle	Paso Robles	7/12/1967	2.71	Flush	Top Flush Mount	10.70	7.99
32S/12E-24B02	North Beach Middle	Paso Robles	6/1/1967	2.20	Flush	Top Flush Mount	10.70	8.50
32S/12E-24B02	North Beach Middle	Paso Robles	5/2/1967	2.20	Flush	Top Flush Mount	10.70	8.50

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B03	North Beach Deep	Careaga	10/7/2020	4.16	Stove Pipe	Top of Steel	13.58	9.42
32S/12E-24B03	North Beach Deep	Careaga	7/6/2020	3.00	Stove Pipe	Top of Steel	13.58	10.58
32S/12E-24B03	North Beach Deep	Careaga	4/7/2020	2.22	Stove Pipe	Top of Steel	13.58	11.36
32S/12E-24B03	North Beach Deep	Careaga	1/7/2020	2.77	Stove Pipe	Top of Steel	13.58	10.81
32S/12E-24B03	North Beach Deep	Careaga	10/9/2019	3.36	Stove Pipe	Top of Steel	13.58	10.22
32S/12E-24B03	North Beach Deep	Careaga	7/9/2019	3.39	Stove Pipe	Top of Steel	13.58	10.19
32S/12E-24B03	North Beach Deep	Careaga	4/9/2019	3.08	Stove Pipe	Top of Steel	13.58	10.50
32S/12E-24B03	North Beach Deep	Careaga	1/8/2019	3.12	Stove Pipe	Top of Steel	13.58	10.46
32S/12E-24B03	North Beach Deep	Careaga	10/9/2018	3.80	Stove Pipe	Top of Steel	13.58	9.78
32S/12E-24B03	North Beach Deep	Careaga	7/10/2018	4.18	Stove Pipe	Top of Steel	13.58	9.40
32S/12E-24B03	North Beach Deep	Careaga	4/10/2018	2.55	Stove Pipe	Top of Steel	13.58	11.03
32S/12E-24B03	North Beach Deep	Careaga	1/10/2018	2.51	Stove Pipe	Top of Steel	13.58	11.07
32S/12E-24B03	North Beach Deep	Careaga	10/10/2017	3.60	Stove Pipe	Top of Steel	13.58	9.98
32S/12E-24B03	North Beach Deep	Careaga	7/11/2017	3.75	Stove Pipe	Top of Steel	13.58	9.83
32S/12E-24B03	North Beach Deep	Careaga	4/11/2017	2.90	Stove Pipe	Top of Steel	13.58	10.68
32S/12E-24B03	North Beach Deep	Careaga	1/10/2017	2.59	Stove Pipe	Top of Steel	13.58	10.99
32S/12E-24B03	North Beach Deep	Careaga	10/12/2016	4.70	Stove Pipe	Top of Steel	13.58	8.88
32S/12E-24B03	North Beach Deep	Careaga	7/19/2016	5.10	Stove Pipe	Top of Steel	13.58	8.48
32S/12E-24B03	North Beach Deep	Careaga	4/12/2016	3.81	Stove Pipe	Top of Steel	13.58	9.77
32S/12E-24B03	North Beach Deep	Careaga	1/12/2016	3.01	Stove Pipe	Top of Steel	13.58	10.57
32S/12E-24B03	North Beach Deep	Careaga	10/13/2015	4.62	Stove Pipe	Top of Steel	13.58	8.96
32S/12E-24B03	North Beach Deep	Careaga	7/14/2015	4.76	Stove Pipe	Top of Steel	13.58	8.82
32S/12E-24B03	North Beach Deep	Careaga	4/14/2015	4.86	Stove Pipe	Top of Steel	13.58	8.72
32S/12E-24B03	North Beach Deep	Careaga	1/13/2015	3.59	Stove Pipe	Top of Steel	13.58	9.99
32S/12E-24B03	North Beach Deep	Careaga	10/14/2014	4.60	Stove Pipe	Top of Steel	13.58	8.98
32S/12E-24B03	North Beach Deep	Careaga	7/29/2014	4.78	Stove Pipe	Top of Steel	13.58	8.80
32S/12E-24B03	North Beach Deep	Careaga	6/4/2014	7.33	Stove Pipe	Top of Steel	13.58	6.25
32S/12E-24B03	North Beach Deep	Careaga	5/5/2014	5.36	Stove Pipe	Top of Steel	13.58	8.22
32S/12E-24B03	North Beach Deep	Careaga	4/15/2014	3.94	Stove Pipe	Top of Steel	13.58	9.64
32S/12E-24B03	North Beach Deep	Careaga	1/14/2014	3.81	Stove Pipe	Top of Steel	13.58	9.77
32S/12E-24B03	North Beach Deep	Careaga	10/14/2013	4.50	Stove Pipe	Top of Steel	13.58	9.08
32S/12E-24B03	North Beach Deep	Careaga	7/9/2013	4.48	Stove Pipe	Top of Steel	13.58	9.1
32S/12E-24B03	North Beach Deep	Careaga	4/10/2013	3.41	Stove Pipe	Top of Steel	13.58	10.17
32S/12E-24B03	North Beach Deep	Careaga	1/14/2013	2.48	Stove Pipe	Top of Steel	13.58	11.1
32S/12E-24B03	North Beach Deep	Careaga	10/29/2012	3.01	Stove Pipe	Top of Steel	13.58	10.57
32S/12E-24B03	North Beach Deep	Careaga	7/23/2012	2.98	Stove Pipe	Top of Steel	13.58	10.6
32S/12E-24B03	North Beach Deep	Careaga	4/18/2012	1.93	Stove Pipe	Top of Steel	13.58	11.65
32S/12E-24B03	North Beach Deep	Careaga	1/12/2012	2.15	Stove Pipe	Top of Steel	13.58	11.43
32S/12E-24B03	North Beach Deep	Careaga	11/21/2011	2.93	Stove Pipe	Top of Steel	13.58	10.65
32S/12E-24B03	North Beach Deep	Careaga	7/26/2011	3.17	Stove Pipe	Top of Steel	13.58	10.41
32S/12E-24B03	North Beach Deep	Careaga	4/20/2011	3.25	Stove Pipe	Top of Steel	13.58	10.33
32S/12E-24B03	North Beach Deep	Careaga	1/24/2011	2.65	Stove Pipe	Top of Steel	13.58	10.93
32S/12E-24B03	North Beach Deep	Careaga	10/21/2010	4.60	Stove Pipe	Top of Steel	13.58	8.98
32S/12E-24B03	North Beach Deep	Careaga	7/27/2010	4.54	Stove Pipe	Top of Steel	13.58	9.04

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B03	North Beach Deep	Careaga	4/27/2010	1.43	Flush	Top Flush Mount	10.70	9.27
32S/12E-24B03	North Beach Deep	Careaga	1/27/2010	0.94	Flush	Top Flush Mount	10.70	9.76
32S/12E-24B03	North Beach Deep	Careaga	10/19/2009	0.81	Flush	Top Flush Mount	10.70	9.89
32S/12E-24B03	North Beach Deep	Careaga	8/19/2009	4.18	Flush	Top Flush Mount	10.70	6.52
32S/12E-24B03	North Beach Deep	Careaga	5/12/2009	3.18	Flush	Top Flush Mount	10.70	7.52
32S/12E-24B03	North Beach Deep	Careaga	10/15/2008	3.13	Flush	Top Flush Mount	10.70	7.57
32S/12E-24B03	North Beach Deep	Careaga	4/15/2008	3.80	Flush	Top Flush Mount	10.70	6.90
32S/12E-24B03	North Beach Deep	Careaga	10/18/2007	5.40	Flush	Top Flush Mount	10.70	5.30
32S/12E-24B03	North Beach Deep	Careaga	4/17/2007	3.80	Flush	Top Flush Mount	10.70	6.90
32S/12E-24B03	North Beach Deep	Careaga	10/19/2006	2.45	Flush	Top Flush Mount	10.70	8.25
32S/12E-24B03	North Beach Deep	Careaga	4/25/2006	0.15	Flush	Top Flush Mount	10.70	10.55
32S/12E-24B03	North Beach Deep	Careaga	10/7/2005	3.20	Flush	Top Flush Mount	10.70	7.50
32S/12E-24B03	North Beach Deep	Careaga	4/28/2005	3.15	Flush	Top Flush Mount	10.70	7.55
32S/12E-24B03	North Beach Deep	Careaga	10/27/2004	4.00	Flush	Top Flush Mount	10.70	6.70
32S/12E-24B03	North Beach Deep	Careaga	4/8/2004	0.90	Flush	Top Flush Mount	10.70	9.80
32S/12E-24B03	North Beach Deep	Careaga	10/14/2002	2.80	Flush	Top Flush Mount	10.70	7.90
32S/12E-24B03	North Beach Deep	Careaga	4/9/2002	2.90	Flush	Top Flush Mount	10.70	7.80
32S/12E-24B03	North Beach Deep	Careaga	10/5/2001	0.20	Flush	Top Flush Mount	10.70	10.50
32S/12E-24B03	North Beach Deep	Careaga	4/23/2001	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	4/24/2000	2.70	Flush	Top Flush Mount	10.70	8.00
32S/12E-24B03	North Beach Deep	Careaga	10/29/1999	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	4/15/1999	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	10/20/1998	1.80	Flush	Top Flush Mount	10.70	8.90
32S/12E-24B03	North Beach Deep	Careaga	10/29/1997	2.15	Flush	Top Flush Mount	10.70	8.55
32S/12E-24B03	North Beach Deep	Careaga	4/29/1997	2.68	Flush	Top Flush Mount	10.70	8.02
32S/12E-24B03	North Beach Deep	Careaga	10/23/1996	3.68	Flush	Top Flush Mount	10.70	7.02
32S/12E-24B03	North Beach Deep	Careaga	4/29/1996	1.60	Flush	Top Flush Mount	10.70	9.10
32S/12E-24B03	North Beach Deep	Careaga	10/10/1995	2.80	Flush	Top Flush Mount	10.70	7.90
32S/12E-24B03	North Beach Deep	Careaga	4/19/1995	0.50	Flush	Top Flush Mount	10.70	10.20
32S/12E-24B03	North Beach Deep	Careaga	11/1/1994	2.95	Flush	Top Flush Mount	10.70	7.75
32S/12E-24B03	North Beach Deep	Careaga	4/11/1994	1.31	Flush	Top Flush Mount	10.70	9.39
32S/12E-24B03	North Beach Deep	Careaga	10/13/1993	2.28	Flush	Top Flush Mount	10.70	8.42
32S/12E-24B03	North Beach Deep	Careaga	4/8/1993	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	11/4/1992	4.30	Flush	Top Flush Mount	10.70	6.40
32S/12E-24B03	North Beach Deep	Careaga	4/21/1992	1.70	Flush	Top Flush Mount	10.70	9.00
32S/12E-24B03	North Beach Deep	Careaga	10/11/1991	3.60	Flush	Top Flush Mount	10.70	7.10
32S/12E-24B03	North Beach Deep	Careaga	4/19/1991	2.74	Flush	Top Flush Mount	10.70	7.96
32S/12E-24B03	North Beach Deep	Careaga	10/11/1990	2.65	Flush	Top Flush Mount	10.70	8.05
32S/12E-24B03	North Beach Deep	Careaga	4/24/1990	2.39	Flush	Top Flush Mount	10.70	8.31
32S/12E-24B03	North Beach Deep	Careaga	10/4/1989	2.22	Flush	Top Flush Mount	10.70	8.48
32S/12E-24B03	North Beach Deep	Careaga	4/17/1989	2.73	Flush	Top Flush Mount	10.70	7.97
32S/12E-24B03	North Beach Deep	Careaga	10/20/1988	2.62	Flush	Top Flush Mount	10.70	8.08
32S/12E-24B03	North Beach Deep	Careaga	4/29/1988	2.26	Flush	Top Flush Mount	10.70	8.44
32S/12E-24B03	North Beach Deep	Careaga	10/19/1987	3.36	Flush	Top Flush Mount	10.70	7.34

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B03	North Beach Deep	Careaga	4/13/1987	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	10/31/1986	3.18	Flush	Top Flush Mount	10.70	7.52
32S/12E-24B03	North Beach Deep	Careaga	4/27/1986	3.07	Flush	Top Flush Mount	10.70	7.63
32S/12E-24B03	North Beach Deep	Careaga	10/18/1985	0.82	Flush	Top Flush Mount	10.70	9.88
32S/12E-24B03	North Beach Deep	Careaga	4/22/1985	0.40	Flush	Top Flush Mount	10.70	10.30
32S/12E-24B03	North Beach Deep	Careaga	10/29/1984	1.69	Flush	Top Flush Mount	10.70	9.01
32S/12E-24B03	North Beach Deep	Careaga	10/19/1981	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	4/21/1981	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	10/21/1980	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	5/9/1980	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	11/7/1979	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	4/17/1979	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	12/4/1978	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	5/4/1978	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	11/7/1977	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	5/17/1977	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	6/9/1976	1.90	Flush	Top Flush Mount	10.70	8.80
32S/12E-24B03	North Beach Deep	Careaga	5/21/1976	1.33	Flush	Top Flush Mount	10.70	9.37
32S/12E-24B03	North Beach Deep	Careaga	1/14/1976	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	7/7/1975	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	4/1/1975	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	6/7/1974	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	9/20/1973	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	6/29/1972	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	2/29/1972	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	11/29/1971	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	8/28/1971	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	6/2/1971	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	3/2/1971	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	12/15/1970	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	8/4/1970	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	6/3/1970	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	3/27/1970	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	1/29/1970	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	10/3/1969	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	7/23/1969	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	6/24/1969	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	5/22/1969	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	4/18/1969	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	2/21/1969	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	1/15/1969	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	12/12/1968	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	11/14/1968	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	10/17/1968	0.72	Flush	Top Flush Mount	10.70	9.98

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/12E-24B03	North Beach Deep	Careaga	9/14/1968	0.60	Flush	Top Flush Mount	10.70	10.10
32S/12E-24B03	North Beach Deep	Careaga	8/13/1968	0.28	Flush	Top Flush Mount	10.70	10.42
32S/12E-24B03	North Beach Deep	Careaga	7/22/1968	0.48	Flush	Top Flush Mount	10.70	10.22
32S/12E-24B03	North Beach Deep	Careaga	6/24/1968	0.32	Flush	Top Flush Mount	10.70	10.38
32S/12E-24B03	North Beach Deep	Careaga	5/30/1968	0.38	Flush	Top Flush Mount	10.70	10.32
32S/12E-24B03	North Beach Deep	Careaga	4/20/1968	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	3/21/1968	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	2/22/1968	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	1/17/1968	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	12/8/1967	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	11/13/1967	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	10/11/1967	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	9/5/1967	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	8/8/1967	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	7/12/1967	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	6/1/1967	0.00	Flush	Top Flush Mount	10.70	10.70
32S/12E-24B03	North Beach Deep	Careaga	5/2/1967	0.00	Flush	Top Flush Mount	10.70	10.70

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/7/2020	14.89	Stove Pipe	Top of Steel	23.16	8.27
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/6/2020	13.98	Stove Pipe	Top of Steel	23.16	9.18
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/7/2020	13.04	Stove Pipe	Top of Steel	23.16	10.12
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/7/2020	13.80	Stove Pipe	Top of Steel	23.16	9.36
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/9/2019	14.78	Stove Pipe	Top of Steel	23.16	8.38
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/9/2019	13.60	Stove Pipe	Top of Steel	23.16	9.56
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/9/2019	13.03	Stove Pipe	Top of Steel	23.16	10.13
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/8/2019	14.54	Stove Pipe	Top of Steel	23.16	8.62
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/9/2018	15.23	Stove Pipe	Top of Steel	23.16	7.93
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/10/2018	14.81	Stove Pipe	Top of Steel	23.16	8.35
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/10/2018	14.03	Stove Pipe	Top of Steel	23.16	9.13
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/10/2018	14.40	Stove Pipe	Top of Steel	23.16	8.76
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/10/2017	14.65	Stove Pipe	Top of Steel	23.16	8.51
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/11/2017	13.73	Stove Pipe	Top of Steel	23.16	9.43
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/11/2017	13.25	Stove Pipe	Top of Steel	23.16	9.91
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/10/2017	13.99	Stove Pipe	Top of Steel	23.16	9.17
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/12/2016	17.08	Stove Pipe	Top of Steel	23.16	6.08
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/19/2016	16.42	Stove Pipe	Top of Steel	23.16	6.74
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/12/2016	14.83	Stove Pipe	Top of Steel	23.16	8.33
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/12/2016	15.00	Stove Pipe	Top of Steel	23.16	8.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/13/2015	17.11	Stove Pipe	Top of Steel	23.16	6.05
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/14/2015	16.93	Stove Pipe	Top of Steel	23.16	6.23
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/14/2015	16.01	Stove Pipe	Top of Steel	23.16	7.15
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/13/2015	15.41	Stove Pipe	Top of Steel	23.16	7.75
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/14/2014	17.05	Stove Pipe	Top of Steel	23.16	6.11
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/29/2014	17.11	Stove Pipe	Top of Steel	23.16	6.05
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/4/2014	16.82	Stove Pipe	Top of Steel	23.16	6.34
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/15/2014	15.56	Stove Pipe	Top of Steel	23.16	7.60
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/14/2014	16.58	Stove Pipe	Top of Steel	23.16	6.58
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/14/2013	17.07	Stove Pipe	Top of Steel	23.16	6.09
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/9/2013	16.17	Stove Pipe	Top of Steel	23.16	6.99
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/10/2013	14.58	Stove Pipe	Top of Steel	23.16	8.58
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/14/2013	14.36	Stove Pipe	Top of Steel	23.16	8.8
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/30/2012	14.95	Stove Pipe	Top of Steel	23.16	8.21
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/24/2012	14.00	Stove Pipe	Top of Steel	23.16	9.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/18/2012	13.42	Stove Pipe	Top of Steel	23.16	9.74
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/10/2012	13.80	Stove Pipe	Top of Steel	23.16	9.36
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/21/2011	13.78	Stove Pipe	Top of Steel	23.16	9.38
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/26/2011	13.50	Stove Pipe	Top of Steel	23.16	9.66
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/20/2011	12.82	Stove Pipe	Top of Steel	23.16	10.34
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/24/2011	13.33	Stove Pipe	Top of Steel	23.16	9.83
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/21/2010	16.55	Stove Pipe	Top of Steel	23.16	6.61
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/26/2010	15.68	Stove Pipe	Top of Steel	23.16	7.48
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/27/2010	11.02	Stove Pipe	Top of Steel	23.16	12.14

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/28/2010	12.73	Stove Pipe	Top of Steel	23.16	10.43
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/19/2009	14.33	Stove Pipe	Top of Steel	23.16	8.83
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	8/19/2009	14.34	Stove Pipe	Top of Steel	23.16	8.82
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	5/12/2009	12.38	Stove Pipe	Top of Steel	23.16	10.78
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/7/2009	11.67	Stove Pipe	Top of Steel	23.16	11.49
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/15/2008	15.53	Stove Pipe	Top of Steel	23.16	7.63
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/19/2006	12.45	Stove Pipe	Top of Steel	23.16	10.71
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/25/2006	11.55	Stove Pipe	Top of Steel	23.16	11.61
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/7/2005	12.75	Stove Pipe	Top of Steel	23.16	10.41
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/28/2005	10.25	Stove Pipe	Top of Steel	23.16	12.91
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/27/2004	14.20	Stove Pipe	Top of Steel	23.16	8.96
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/8/2004	10.90	Stove Pipe	Top of Steel	23.16	12.26
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/8/2003	14.90	Stove Pipe	Top of Steel	23.16	8.26
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/14/2002	14.20	Stove Pipe	Top of Steel	23.16	8.96
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/9/2002	10.00	Stove Pipe	Top of Steel	23.16	13.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/5/2001	11.50	Stove Pipe	Top of Steel	23.16	11.66
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/23/2001	8.90	Stove Pipe	Top of Steel	23.16	14.26
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/16/2000	11.60	Stove Pipe	Top of Steel	23.16	11.56
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/24/2000	10.00	Stove Pipe	Top of Steel	23.16	13.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/29/1999	11.50	Stove Pipe	Top of Steel	23.16	11.66
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/15/1999	8.40	Stove Pipe	Top of Steel	23.16	14.76
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/20/1998	10.70	Stove Pipe	Top of Steel	23.16	12.46
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/23/1998	8.80	Stove Pipe	Top of Steel	23.16	14.36
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/22/1997	12.07	Stove Pipe	Top of Steel	23.16	11.09
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/29/1997	10.21	Stove Pipe	Top of Steel	23.16	12.95
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/23/1996	11.70	Stove Pipe	Top of Steel	23.16	11.46
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/29/1996	10.50	Stove Pipe	Top of Steel	23.16	12.66
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/11/1995	11.70	Stove Pipe	Top of Steel	23.16	11.46
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/19/1995	9.20	Stove Pipe	Top of Steel	23.16	13.96
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/1/1994	12.50	Stove Pipe	Top of Steel	23.16	10.66
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/11/1994	10.90	Stove Pipe	Top of Steel	23.16	12.26
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/13/1993	11.86	Stove Pipe	Top of Steel	23.16	11.30
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/8/1993	10.01	Stove Pipe	Top of Steel	23.16	13.15
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/4/1992	12.50	Stove Pipe	Top of Steel	23.16	10.66
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/21/1992	10.70	Stove Pipe	Top of Steel	23.16	12.46
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/11/1991	13.37	Stove Pipe	Top of Steel	23.16	9.79
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/19/1991	12.05	Stove Pipe	Top of Steel	23.16	11.11
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/11/1990	14.90	Stove Pipe	Top of Steel	23.16	8.26
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/24/1990	12.35	Stove Pipe	Top of Steel	23.16	10.81
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/4/1989	13.52	Stove Pipe	Top of Steel	23.16	9.64
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/17/1989	11.82	Stove Pipe	Top of Steel	23.16	11.34
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/20/1988	13.36	Stove Pipe	Top of Steel	23.16	9.80
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/29/1988	11.66	Stove Pipe	Top of Steel	23.16	11.50
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/21/1988	11.73	Stove Pipe	Top of Steel	23.16	11.43

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/19/1987	13.09	Stove Pipe	Top of Steel	23.16	10.07
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/13/1987	11.31	Stove Pipe	Top of Steel	23.16	11.85
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/31/1986	12.19	Stove Pipe	Top of Steel	23.16	10.97
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/15/1986	11.05	Stove Pipe	Top of Steel	23.16	12.11
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/18/1985	13.15	Stove Pipe	Top of Steel	23.16	10.01
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/22/1985	11.10	Stove Pipe	Top of Steel	23.16	12.06
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/15/1984	11.32	Stove Pipe	Top of Steel	23.16	11.84
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/28/1983	10.05	Stove Pipe	Top of Steel	23.16	13.11
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	5/6/1982	10.14	Stove Pipe	Top of Steel	23.16	13.02
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/19/1981	11.43	Stove Pipe	Top of Steel	23.16	11.73
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/21/1981	10.04	Stove Pipe	Top of Steel	23.16	13.12
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/10/1980	11.40	Stove Pipe	Top of Steel	23.16	11.76
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	5/9/1980	10.53	Stove Pipe	Top of Steel	23.16	12.63
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/7/1979	11.21	Stove Pipe	Top of Steel	23.16	11.95
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/17/1979	10.19	Stove Pipe	Top of Steel	23.16	12.97
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	12/4/1978	10.41	Stove Pipe	Top of Steel	23.16	12.75
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/24/1978	9.50	Stove Pipe	Top of Steel	23.16	13.66
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/7/1977	12.97	Stove Pipe	Top of Steel	23.16	10.19
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	5/17/1977	12.09	Stove Pipe	Top of Steel	23.16	11.07
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/9/1976	12.25	Stove Pipe	Top of Steel	23.16	10.91
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/14/1976	11.40	Stove Pipe	Top of Steel	23.16	11.76
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/4/1976	11.00	Stove Pipe	Top of Steel	23.16	12.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/7/1975	13.42	Stove Pipe	Top of Steel	23.16	9.74
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/1/1975	10.00	Stove Pipe	Top of Steel	23.16	13.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/7/1974	10.00	Stove Pipe	Top of Steel	23.16	13.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/1/1974	10.50	Stove Pipe	Top of Steel	23.16	12.66
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/20/1973	11.67	Stove Pipe	Top of Steel	23.16	11.49
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/29/1972	16.00	Stove Pipe	Top of Steel	23.16	7.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	2/23/1972	10.00	Stove Pipe	Top of Steel	23.16	13.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/29/1971	11.10	Stove Pipe	Top of Steel	23.16	12.06
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	8/26/1971	11.43	Stove Pipe	Top of Steel	23.16	11.73
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/2/1971	10.94	Stove Pipe	Top of Steel	23.16	12.22
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	3/2/1971	10.29	Stove Pipe	Top of Steel	23.16	12.87
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	12/15/1970	10.56	Stove Pipe	Top of Steel	23.16	12.60
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	8/4/1970	19.00	Stove Pipe	Top of Steel	23.16	4.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/3/1970	14.00	Stove Pipe	Top of Steel	23.16	9.16
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	3/27/1970	12.07	Stove Pipe	Top of Steel	23.16	11.09
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/29/1970	11.80	Stove Pipe	Top of Steel	23.16	11.36
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/3/1969	14.60	Stove Pipe	Top of Steel	23.16	8.56
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/23/1969	13.75	Stove Pipe	Top of Steel	23.16	9.41
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/24/1969	12.93	Stove Pipe	Top of Steel	23.16	10.23
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	5/22/1969	12.16	Stove Pipe	Top of Steel	23.16	11.00
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/18/1969	11.24	Stove Pipe	Top of Steel	23.16	11.92
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	3/20/1969	10.33	Stove Pipe	Top of Steel	23.16	12.83

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	2/21/1969	11.63	Stove Pipe	Top of Steel	23.16	11.53
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/15/1969	13.60	Stove Pipe	Top of Steel	23.16	9.56
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	12/12/1968	15.07	Stove Pipe	Top of Steel	23.16	8.09
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/14/1968	16.28	Stove Pipe	Top of Steel	23.16	6.88
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/17/1968	17.37	Stove Pipe	Top of Steel	23.16	5.79
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	9/14/1968	18.80	Stove Pipe	Top of Steel	23.16	4.36
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	8/13/1968	17.96	Stove Pipe	Top of Steel	23.16	5.20
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/22/1968	17.70	Stove Pipe	Top of Steel	23.16	5.46
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/24/1968	16.95	Stove Pipe	Top of Steel	23.16	6.21
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	5/30/1968	5.47	Stove Pipe	Top of Steel	23.16	17.69
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	4/20/1968	13.51	Stove Pipe	Top of Steel	23.16	9.65
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	3/21/1968	12.10	Stove Pipe	Top of Steel	23.16	11.06
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	2/22/1968	12.29	Stove Pipe	Top of Steel	23.16	10.87
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	1/17/1968	12.67	Stove Pipe	Top of Steel	23.16	10.49
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	12/8/1967	13.37	Stove Pipe	Top of Steel	23.16	9.79
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	11/13/1967	15.36	Stove Pipe	Top of Steel	23.16	7.80
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	10/9/1967	15.41	Stove Pipe	Top of Steel	23.16	7.75
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	9/5/1967	15.34	Stove Pipe	Top of Steel	23.16	7.82
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	8/8/1967	15.04	Stove Pipe	Top of Steel	23.16	8.12
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	7/12/1967	14.29	Stove Pipe	Top of Steel	23.16	8.87
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	6/1/1967	13.20	Stove Pipe	Top of Steel	23.16	9.96
32S/13E-30F01	Highway 1 Shallow	Alluvium / Paso Robles	5/2/1967	12.20	Stove Pipe	Top of Steel	23.16	10.96

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/7/2020	15.80	Stove Pipe	Top of Steel	23.16	7.37
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/6/2020	14.19	Stove Pipe	Top of Steel	23.16	8.98
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/7/2020	14.23	Stove Pipe	Top of Steel	23.16	8.94
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/7/2020	14.99	Stove Pipe	Top of Steel	23.16	8.17
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/9/2019	15.55	Stove Pipe	Top of Steel	23.16	7.61
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/9/2019	14.90	Stove Pipe	Top of Steel	23.16	8.26
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/9/2019	14.87	Stove Pipe	Top of Steel	23.16	8.29
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/8/2019	15.11	Stove Pipe	Top of Steel	23.16	8.05
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/9/2018	15.94	Stove Pipe	Top of Steel	23.16	7.22
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/10/2018	15.90	Stove Pipe	Top of Steel	23.16	7.26
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/10/2018	14.62	Stove Pipe	Top of Steel	23.16	8.54
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/10/2018	14.79	Stove Pipe	Top of Steel	23.16	8.37
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/10/2017	15.45	Stove Pipe	Top of Steel	23.16	7.71
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/11/2017	15.30	Stove Pipe	Top of Steel	23.16	7.86
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/11/2017	14.27	Stove Pipe	Top of Steel	23.16	8.89
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/10/2017	14.53	Stove Pipe	Top of Steel	23.16	8.63
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/12/2016	17.35	Stove Pipe	Top of Steel	23.16	5.81
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/19/2016	17.63	Stove Pipe	Top of Steel	23.16	5.53
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/12/2016	15.98	Stove Pipe	Top of Steel	23.16	7.18
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/12/2016	15.29	Stove Pipe	Top of Steel	23.16	7.87
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/13/2015	17.29	Stove Pipe	Top of Steel	23.16	5.87
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/14/2015	17.44	Stove Pipe	Top of Steel	23.16	5.72
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/14/2015	16.94	Stove Pipe	Top of Steel	23.16	6.22
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/13/2015	16.41	Stove Pipe	Top of Steel	23.16	6.75
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/14/2014	17.33	Stove Pipe	Top of Steel	23.16	5.83
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/29/2014	17.31	Stove Pipe	Top of Steel	23.16	5.85
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/4/2014	18.00	Stove Pipe	Top of Steel	23.16	5.16
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/15/2014	16.27	Stove Pipe	Top of Steel	23.16	6.89
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/14/2014	17.01	Stove Pipe	Top of Steel	23.16	6.15
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/14/2013	17.52	Stove Pipe	Top of Steel	23.16	5.64
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/9/2013	17.15	Stove Pipe	Top of Steel	23.16	6.01
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/10/2013	15.76	Stove Pipe	Top of Steel	23.16	7.4
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/14/2013	15.01	Stove Pipe	Top of Steel	23.16	8.15
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/30/2012	15.27	Stove Pipe	Top of Steel	23.16	7.89
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/24/2012	14.82	Stove Pipe	Top of Steel	23.16	8.34
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/18/2012	14.38	Stove Pipe	Top of Steel	23.16	8.78
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/12/2012	14.31	Stove Pipe	Top of Steel	23.16	8.85
32S/13E-30F02	Highway 1 Middle	Paso Robles	11/21/2011	14.94	Stove Pipe	Top of Steel	23.16	8.22
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/26/2011	14.46	Stove Pipe	Top of Steel	23.16	8.7
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/20/2011	14.23	Stove Pipe	Top of Steel	23.16	8.93
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/24/2011	14.36	Stove Pipe	Top of Steel	23.16	8.80
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/21/2010	7.39	Stove Pipe	Top of Steel	23.16	15.77
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/26/2010	16.21	Stove Pipe	Top of Steel	23.16	6.95
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/27/2010	12.14	Flush	Top Flush Mount	20.36	8.22

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/28/2010	13.09	Flush	Top Flush Mount	20.36	7.27
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/19/2009	14.36	Flush	Top Flush Mount	20.36	6.00
32S/13E-30F02	Highway 1 Middle	Paso Robles	8/19/2009	14.81	Flush	Top Flush Mount	20.36	5.55
32S/13E-30F02	Highway 1 Middle	Paso Robles	5/12/2009	14.34	Flush	Top Flush Mount	20.36	6.02
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/7/2009	12.28	Flush	Top Flush Mount	20.36	8.08
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/15/2008	15.34	Flush	Top Flush Mount	20.36	5.02
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/15/2008	12.40	Flush	Top Flush Mount	20.36	7.96
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/18/2007	15.35	Flush	Top Flush Mount	20.36	5.01
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/17/2007	12.43	Flush	Top Flush Mount	20.36	7.93
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/19/2006	12.85	Flush	Top Flush Mount	20.36	7.51
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/25/2006	9.85	Flush	Top Flush Mount	20.36	10.51
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/7/2005	12.15	Flush	Top Flush Mount	20.36	8.21
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/28/2005	11.35	Flush	Top Flush Mount	20.36	9.01
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/27/2004	14.50	Flush	Top Flush Mount	20.36	5.86
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/8/2004	10.40	Flush	Top Flush Mount	20.36	9.96
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/14/2002	14.30	Flush	Top Flush Mount	20.36	6.06
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/9/2002	11.10	Flush	Top Flush Mount	20.36	9.26
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/5/2001	12.30	Flush	Top Flush Mount	20.36	8.06
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/23/2001	10.10	Flush	Top Flush Mount	20.36	10.26
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/16/2000	12.30	Flush	Top Flush Mount	20.36	8.06
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/24/2000	11.00	Flush	Top Flush Mount	20.36	9.36
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/29/1999	12.20	Flush	Top Flush Mount	20.36	8.16
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/15/1999	10.30	Flush	Top Flush Mount	20.36	10.06
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/20/1998	10.70	Flush	Top Flush Mount	20.36	9.66
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/23/1998	8.30	Flush	Top Flush Mount	20.36	12.06
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/22/1997	12.30	Flush	Top Flush Mount	20.36	8.06
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/29/1997	11.20	Flush	Top Flush Mount	20.36	9.16
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/23/1996	12.05	Flush	Top Flush Mount	20.36	8.31
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/29/1996	10.80	Flush	Top Flush Mount	20.36	9.56
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/11/1995	11.90	Flush	Top Flush Mount	20.36	8.46
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/19/1995	10.05	Flush	Top Flush Mount	20.36	10.31
32S/13E-30F02	Highway 1 Middle	Paso Robles	11/1/1994	13.90	Flush	Top Flush Mount	20.36	6.46
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/11/1994	11.79	Flush	Top Flush Mount	20.36	8.57
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/13/1993	12.76	Flush	Top Flush Mount	20.36	7.60
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/8/1993	10.48	Flush	Top Flush Mount	20.36	9.88
32S/13E-30F02	Highway 1 Middle	Paso Robles	11/4/1992	13.30	Flush	Top Flush Mount	20.36	7.06
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/21/1992	9.45	Flush	Top Flush Mount	20.36	10.91
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/11/1991	13.42	Flush	Top Flush Mount	20.36	6.94
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/19/1991	13.05	Flush	Top Flush Mount	20.36	7.31
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/11/1990	14.71	Flush	Top Flush Mount	20.36	5.65
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/24/1990	13.15	Flush	Top Flush Mount	20.36	7.21
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/4/1989	13.71	Flush	Top Flush Mount	20.36	6.65
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/17/1989	14.50	Flush	Top Flush Mount	20.36	5.86
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/20/1988	14.00	Flush	Top Flush Mount	20.36	6.36

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/29/1988	12.85	Flush	Top Flush Mount	20.36	7.51
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/21/1988	13.23	Flush	Top Flush Mount	20.36	7.13
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/19/1987	13.97	Flush	Top Flush Mount	20.36	6.39
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/13/1987	11.96	Flush	Top Flush Mount	20.36	8.40
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/31/1986	12.56	Flush	Top Flush Mount	20.36	7.80
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/15/1986	11.97	Flush	Top Flush Mount	20.36	8.39
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/18/1985	13.40	Flush	Top Flush Mount	20.36	6.96
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/22/1985	11.80	Flush	Top Flush Mount	20.36	8.56
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/15/1984	11.48	Flush	Top Flush Mount	20.36	8.88
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/28/1983	10.10	Flush	Top Flush Mount	20.36	10.26
32S/13E-30F02	Highway 1 Middle	Paso Robles	5/6/1982	10.95	Flush	Top Flush Mount	20.36	9.41
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/19/1981	11.70	Flush	Top Flush Mount	20.36	8.66
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/21/1981	10.73	Flush	Top Flush Mount	20.36	9.63
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/10/1980	11.75	Flush	Top Flush Mount	20.36	8.61
32S/13E-30F02	Highway 1 Middle	Paso Robles	5/9/1980	11.88	Flush	Top Flush Mount	20.36	8.48
32S/13E-30F02	Highway 1 Middle	Paso Robles	11/7/1979	11.20	Flush	Top Flush Mount	20.36	9.16
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/17/1979	11.25	Flush	Top Flush Mount	20.36	9.11
32S/13E-30F02	Highway 1 Middle	Paso Robles	12/4/1978	10.45	Flush	Top Flush Mount	20.36	9.91
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/24/1978	10.15	Flush	Top Flush Mount	20.36	10.21
32S/13E-30F02	Highway 1 Middle	Paso Robles	11/7/1977	13.65	Flush	Top Flush Mount	20.36	6.71
32S/13E-30F02	Highway 1 Middle	Paso Robles	5/17/1977	13.19	Flush	Top Flush Mount	20.36	7.17
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/9/1976	12.80	Flush	Top Flush Mount	20.36	7.56
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/14/1976	12.00	Flush	Top Flush Mount	20.36	8.36
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/7/1975	12.00	Flush	Top Flush Mount	20.36	8.36
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/1/1975	10.00	Flush	Top Flush Mount	20.36	10.36
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/7/1974	10.94	Flush	Top Flush Mount	20.36	9.42
32S/13E-30F02	Highway 1 Middle	Paso Robles	9/20/1973	11.85	Flush	Top Flush Mount	20.36	8.51
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/29/1972	15.00	Flush	Top Flush Mount	20.36	5.36
32S/13E-30F02	Highway 1 Middle	Paso Robles	2/23/1972	11.00	Flush	Top Flush Mount	20.36	9.36
32S/13E-30F02	Highway 1 Middle	Paso Robles	11/29/1971	12.35	Flush	Top Flush Mount	20.36	8.01
32S/13E-30F02	Highway 1 Middle	Paso Robles	8/26/1971	12.10	Flush	Top Flush Mount	20.36	8.26
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/2/1971	12.15	Flush	Top Flush Mount	20.36	8.21
32S/13E-30F02	Highway 1 Middle	Paso Robles	3/2/1971	11.35	Flush	Top Flush Mount	20.36	9.01
32S/13E-30F02	Highway 1 Middle	Paso Robles	12/15/1970	11.39	Flush	Top Flush Mount	20.36	8.97
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/3/1970	14.81	Flush	Top Flush Mount	20.36	5.55
32S/13E-30F02	Highway 1 Middle	Paso Robles	3/27/1970	13.65	Flush	Top Flush Mount	20.36	6.71
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/29/1970	12.72	Flush	Top Flush Mount	20.36	7.64
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/3/1969	14.81	Flush	Top Flush Mount	20.36	5.55
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/23/1969	14.90	Flush	Top Flush Mount	20.36	5.46
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/24/1969	13.99	Flush	Top Flush Mount	20.36	6.37
32S/13E-30F02	Highway 1 Middle	Paso Robles	5/22/1969	13.83	Flush	Top Flush Mount	20.36	6.53
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/18/1969	12.78	Flush	Top Flush Mount	20.36	7.58
32S/13E-30F02	Highway 1 Middle	Paso Robles	3/20/1969	12.08	Flush	Top Flush Mount	20.36	8.28
32S/13E-30F02	Highway 1 Middle	Paso Robles	2/21/1969	12.62	Flush	Top Flush Mount	20.36	7.74

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/15/1969	14.92	Flush	Top Flush Mount	20.36	5.44
32S/13E-30F02	Highway 1 Middle	Paso Robles	11/14/1968	16.19	Flush	Top Flush Mount	20.36	4.17
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/17/1968	17.30	Flush	Top Flush Mount	20.36	3.06
32S/13E-30F02	Highway 1 Middle	Paso Robles	9/14/1968	18.18	Flush	Top Flush Mount	20.36	2.18
32S/13E-30F02	Highway 1 Middle	Paso Robles	8/13/1968	17.40	Flush	Top Flush Mount	20.36	2.96
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/22/1968	17.37	Flush	Top Flush Mount	20.36	2.99
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/24/1968	17.17	Flush	Top Flush Mount	20.36	3.19
32S/13E-30F02	Highway 1 Middle	Paso Robles	5/30/1968	16.94	Flush	Top Flush Mount	20.36	3.42
32S/13E-30F02	Highway 1 Middle	Paso Robles	4/20/1968	15.24	Flush	Top Flush Mount	20.36	5.12
32S/13E-30F02	Highway 1 Middle	Paso Robles	3/21/1968	14.70	Flush	Top Flush Mount	20.36	5.66
32S/13E-30F02	Highway 1 Middle	Paso Robles	2/22/1968	13.85	Flush	Top Flush Mount	20.36	6.51
32S/13E-30F02	Highway 1 Middle	Paso Robles	1/17/1968	13.32	Flush	Top Flush Mount	20.36	7.04
32S/13E-30F02	Highway 1 Middle	Paso Robles	12/22/1967	13.99	Flush	Top Flush Mount	20.36	6.37
32S/13E-30F02	Highway 1 Middle	Paso Robles	11/13/1967	15.77	Flush	Top Flush Mount	20.36	4.59
32S/13E-30F02	Highway 1 Middle	Paso Robles	10/9/1967	14.98	Flush	Top Flush Mount	20.36	5.38
32S/13E-30F02	Highway 1 Middle	Paso Robles	9/5/1967	15.32	Flush	Top Flush Mount	20.36	5.04
32S/13E-30F02	Highway 1 Middle	Paso Robles	8/8/1967	15.65	Flush	Top Flush Mount	20.36	4.71
32S/13E-30F02	Highway 1 Middle	Paso Robles	7/12/1967	14.94	Flush	Top Flush Mount	20.36	5.42
32S/13E-30F02	Highway 1 Middle	Paso Robles	6/1/1967	14.50	Flush	Top Flush Mount	20.36	5.86
32S/13E-30F02	Highway 1 Middle	Paso Robles	5/2/1967	13.40	Flush	Top Flush Mount	20.36	6.96

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F03	Highway 1 Deep	Careaga	10/7/2020	16.15	Stove Pipe	Top of Steel	23.16	7.01
32S/13E-30F03	Highway 1 Deep	Careaga	7/6/2020	13.68	Stove Pipe	Top of Steel	23.16	9.48
32S/13E-30F03	Highway 1 Deep	Careaga	4/7/2020	11.19	Stove Pipe	Top of Steel	23.16	11.97
32S/13E-30F03	Highway 1 Deep	Careaga	1/7/2020	12.13	Stove Pipe	Top of Steel	23.16	11.03
32S/13E-30F03	Highway 1 Deep	Careaga	10/9/2019	14.40	Stove Pipe	Top of Steel	23.16	8.76
32S/13E-30F03	Highway 1 Deep	Careaga	7/9/2019	13.38	Stove Pipe	Top of Steel	23.16	9.78
32S/13E-30F03	Highway 1 Deep	Careaga	4/9/2019	12.55	Stove Pipe	Top of Steel	23.16	10.61
32S/13E-30F03	Highway 1 Deep	Careaga	1/8/2019	14.27	Stove Pipe	Top of Steel	23.16	8.89
32S/13E-30F03	Highway 1 Deep	Careaga	10/9/2018	15.48	Stove Pipe	Top of Steel	23.16	7.68
32S/13E-30F03	Highway 1 Deep	Careaga	7/10/2018	16.11	Stove Pipe	Top of Steel	23.16	7.05
32S/13E-30F03	Highway 1 Deep	Careaga	4/10/2018	12.16	Stove Pipe	Top of Steel	23.16	11.00
32S/13E-30F03	Highway 1 Deep	Careaga	1/10/2018	12.85	Stove Pipe	Top of Steel	23.16	10.31
32S/13E-30F03	Highway 1 Deep	Careaga	10/10/2017	14.70	Stove Pipe	Top of Steel	23.16	8.46
32S/13E-30F03	Highway 1 Deep	Careaga	7/11/2017	13.64	Stove Pipe	Top of Steel	23.16	9.52
32S/13E-30F03	Highway 1 Deep	Careaga	4/11/2017	12.36	Stove Pipe	Top of Steel	23.16	10.80
32S/13E-30F03	Highway 1 Deep	Careaga	1/10/2017	14.25	Stove Pipe	Top of Steel	23.16	8.91
32S/13E-30F03	Highway 1 Deep	Careaga	10/12/2016	17.82	Stove Pipe	Top of Steel	23.16	5.34
32S/13E-30F03	Highway 1 Deep	Careaga	7/19/2016	17.22	Stove Pipe	Top of Steel	23.16	5.94
32S/13E-30F03	Highway 1 Deep	Careaga	4/12/2016	14.90	Stove Pipe	Top of Steel	23.16	8.26
32S/13E-30F03	Highway 1 Deep	Careaga	1/12/2016	14.84	Stove Pipe	Top of Steel	23.16	8.32
32S/13E-30F03	Highway 1 Deep	Careaga	10/13/2015	18.87	Stove Pipe	Top of Steel	23.16	4.29
32S/13E-30F03	Highway 1 Deep	Careaga	7/14/2015	18.87	Stove Pipe	Top of Steel	23.16	4.29
32S/13E-30F03	Highway 1 Deep	Careaga	4/14/2015	17.92	Stove Pipe	Top of Steel	23.16	5.24
32S/13E-30F03	Highway 1 Deep	Careaga	1/13/2015	14.13	Stove Pipe	Top of Steel	23.16	9.03
32S/13E-30F03	Highway 1 Deep	Careaga	10/14/2014	18.98	Stove Pipe	Top of Steel	23.16	4.18
32S/13E-30F03	Highway 1 Deep	Careaga	7/29/2014	18.62	Stove Pipe	Top of Steel	23.16	4.54
32S/13E-30F03	Highway 1 Deep	Careaga	6/4/2014	22.27	Stove Pipe	Top of Steel	23.16	0.89
32S/13E-30F03	Highway 1 Deep	Careaga	5/5/2014	21.34	Stove Pipe	Top of Steel	23.16	1.82
32S/13E-30F03	Highway 1 Deep	Careaga	4/15/2014	16.14	Stove Pipe	Top of Steel	23.16	7.02
32S/13E-30F03	Highway 1 Deep	Careaga	1/14/2014	15.35	Stove Pipe	Top of Steel	23.16	7.81
32S/13E-30F03	Highway 1 Deep	Careaga	10/14/2013	17.30	Stove Pipe	Top of Steel	23.16	5.86
32S/13E-30F03	Highway 1 Deep	Careaga	7/9/2013	16.61	Stove Pipe	Top of Steel	23.16	6.55
32S/13E-30F03	Highway 1 Deep	Careaga	4/10/2013	14.69	Stove Pipe	Top of Steel	23.16	8.47
32S/13E-30F03	Highway 1 Deep	Careaga	1/14/2013	12.62	Stove Pipe	Top of Steel	23.16	10.54
32S/13E-30F03	Highway 1 Deep	Careaga	10/30/2012	14.61	Stove Pipe	Top of Steel	23.16	8.55
32S/13E-30F03	Highway 1 Deep	Careaga	7/24/2012	14.50	Stove Pipe	Top of Steel	23.16	8.66
32S/13E-30F03	Highway 1 Deep	Careaga	4/18/2012	10.43	Stove Pipe	Top of Steel	23.16	12.73
32S/13E-30F03	Highway 1 Deep	Careaga	1/12/2012	12.37	Stove Pipe	Top of Steel	23.16	10.79
32S/13E-30F03	Highway 1 Deep	Careaga	11/21/2011	13.24	Stove Pipe	Top of Steel	23.16	9.92
32S/13E-30F03	Highway 1 Deep	Careaga	7/26/2011	14.22	Stove Pipe	Top of Steel	23.16	8.94
32S/13E-30F03	Highway 1 Deep	Careaga	4/20/2011	12.51	Stove Pipe	Top of Steel	23.16	10.65
32S/13E-30F03	Highway 1 Deep	Careaga	1/24/2011	12.67	Stove Pipe	Top of Steel	23.16	10.49
32S/13E-30F03	Highway 1 Deep	Careaga	10/21/2010	6.62	Stove Pipe	Top of Steel	23.16	16.54
32S/13E-30F03	Highway 1 Deep	Careaga	7/26/2010	17.32	Stove Pipe	Top of Steel	23.16	5.84

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F03	Highway 1 Deep	Careaga	4/27/2010	11.38	Flush	Top Flush Mount	20.36	8.98
32S/13E-30F03	Highway 1 Deep	Careaga	1/28/2010	10.98	Flush	Top Flush Mount	20.36	9.38
32S/13E-30F03	Highway 1 Deep	Careaga	10/19/2009	14.18	Flush	Top Flush Mount	20.36	6.18
32S/13E-30F03	Highway 1 Deep	Careaga	8/19/2009	20.23	Flush	Top Flush Mount	20.36	0.13
32S/13E-30F03	Highway 1 Deep	Careaga	5/12/2009	17.68	Flush	Top Flush Mount	20.36	2.68
32S/13E-30F03	Highway 1 Deep	Careaga	10/15/2008	22.52	Flush	Top Flush Mount	20.36	-2.16
32S/13E-30F03	Highway 1 Deep	Careaga	4/15/2008	17.86	Flush	Top Flush Mount	20.36	2.50
32S/13E-30F03	Highway 1 Deep	Careaga	10/18/2007	22.35	Flush	Top Flush Mount	20.36	-1.99
32S/13E-30F03	Highway 1 Deep	Careaga	4/17/2007	21.75	Flush	Top Flush Mount	20.36	-1.39
32S/13E-30F03	Highway 1 Deep	Careaga	10/19/2006	13.65	Flush	Top Flush Mount	20.36	6.71
32S/13E-30F03	Highway 1 Deep	Careaga	4/26/2006	10.45	Flush	Top Flush Mount	20.36	9.91
32S/13E-30F03	Highway 1 Deep	Careaga	10/7/2005	14.65	Flush	Top Flush Mount	20.36	5.71
32S/13E-30F03	Highway 1 Deep	Careaga	4/28/2005	13.40	Flush	Top Flush Mount	20.36	6.96
32S/13E-30F03	Highway 1 Deep	Careaga	10/27/2004	20.00	Flush	Top Flush Mount	20.36	0.36
32S/13E-30F03	Highway 1 Deep	Careaga	4/8/2004	13.90	Flush	Top Flush Mount	20.36	6.46
32S/13E-30F03	Highway 1 Deep	Careaga	10/14/2002	16.10	Flush	Top Flush Mount	20.36	4.26
32S/13E-30F03	Highway 1 Deep	Careaga	4/9/2002	13.50	Flush	Top Flush Mount	20.36	6.86
32S/13E-30F03	Highway 1 Deep	Careaga	10/5/2001	13.40	Flush	Top Flush Mount	20.36	6.96
32S/13E-30F03	Highway 1 Deep	Careaga	4/23/2001	8.10	Flush	Top Flush Mount	20.36	12.26
32S/13E-30F03	Highway 1 Deep	Careaga	10/16/2000	12.10	Flush	Top Flush Mount	20.36	8.26
32S/13E-30F03	Highway 1 Deep	Careaga	4/24/2000	16.20	Flush	Top Flush Mount	20.36	4.16
32S/13E-30F03	Highway 1 Deep	Careaga	10/29/1999	11.50	Flush	Top Flush Mount	20.36	8.86
32S/13E-30F03	Highway 1 Deep	Careaga	4/15/1999	7.09	Flush	Top Flush Mount	20.36	13.27
32S/13E-30F03	Highway 1 Deep	Careaga	10/20/1998	14.70	Flush	Top Flush Mount	20.36	5.66
32S/13E-30F03	Highway 1 Deep	Careaga	4/22/1998	8.75	Flush	Top Flush Mount	20.36	11.61
32S/13E-30F03	Highway 1 Deep	Careaga	10/22/1997	17.86	Flush	Top Flush Mount	20.36	2.50
32S/13E-30F03	Highway 1 Deep	Careaga	4/29/1997	17.86	Flush	Top Flush Mount	20.36	2.50
32S/13E-30F03	Highway 1 Deep	Careaga	10/23/1996	19.34	Flush	Top Flush Mount	20.36	1.02
32S/13E-30F03	Highway 1 Deep	Careaga	4/29/1996	16.20	Flush	Top Flush Mount	20.36	4.16
32S/13E-30F03	Highway 1 Deep	Careaga	10/11/1995	23.00	Flush	Top Flush Mount	20.36	-2.64
32S/13E-30F03	Highway 1 Deep	Careaga	4/19/1995	11.60	Flush	Top Flush Mount	20.36	8.76
32S/13E-30F03	Highway 1 Deep	Careaga	11/1/1994	17.60	Flush	Top Flush Mount	20.36	2.76
32S/13E-30F03	Highway 1 Deep	Careaga	4/11/1994	14.05	Flush	Top Flush Mount	20.36	6.31
32S/13E-30F03	Highway 1 Deep	Careaga	10/13/1993	17.28	Flush	Top Flush Mount	20.36	3.08
32S/13E-30F03	Highway 1 Deep	Careaga	4/8/1993	10.25	Flush	Top Flush Mount	20.36	10.11
32S/13E-30F03	Highway 1 Deep	Careaga	11/4/1992	18.30	Flush	Top Flush Mount	20.36	2.06
32S/13E-30F03	Highway 1 Deep	Careaga	4/21/1992	15.20	Flush	Top Flush Mount	20.36	5.16
32S/13E-30F03	Highway 1 Deep	Careaga	10/11/1991	20.02	Flush	Top Flush Mount	20.36	0.34
32S/13E-30F03	Highway 1 Deep	Careaga	4/19/1991	16.82	Flush	Top Flush Mount	20.36	3.54
32S/13E-30F03	Highway 1 Deep	Careaga	10/11/1990	18.12	Flush	Top Flush Mount	20.36	2.24
32S/13E-30F03	Highway 1 Deep	Careaga	4/24/1990	15.03	Flush	Top Flush Mount	20.36	5.33
32S/13E-30F03	Highway 1 Deep	Careaga	10/4/1989	15.96	Flush	Top Flush Mount	20.36	4.40
32S/13E-30F03	Highway 1 Deep	Careaga	4/17/1989	16.40	Flush	Top Flush Mount	20.36	3.96
32S/13E-30F03	Highway 1 Deep	Careaga	10/20/1988	17.03	Flush	Top Flush Mount	20.36	3.33

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F03	Highway 1 Deep	Careaga	4/29/1988	14.70	Flush	Top Flush Mount	20.36	5.66
32S/13E-30F03	Highway 1 Deep	Careaga	10/19/1987	18.77	Flush	Top Flush Mount	20.36	1.59
32S/13E-30F03	Highway 1 Deep	Careaga	4/13/1987	12.89	Flush	Top Flush Mount	20.36	7.47
32S/13E-30F03	Highway 1 Deep	Careaga	10/31/1986	19.05	Flush	Top Flush Mount	20.36	1.31
32S/13E-30F03	Highway 1 Deep	Careaga	4/15/1986	15.83	Flush	Top Flush Mount	20.36	4.53
32S/13E-30F03	Highway 1 Deep	Careaga	10/18/1985	15.23	Flush	Top Flush Mount	20.36	5.13
32S/13E-30F03	Highway 1 Deep	Careaga	4/22/1985	12.00	Flush	Top Flush Mount	20.36	8.36
32S/13E-30F03	Highway 1 Deep	Careaga	10/15/1984	16.88	Flush	Top Flush Mount	20.36	3.48
32S/13E-30F03	Highway 1 Deep	Careaga	10/27/1983	7.48	Flush	Top Flush Mount	20.36	12.88
32S/13E-30F03	Highway 1 Deep	Careaga	5/6/1982	9.15	Flush	Top Flush Mount	20.36	11.21
32S/13E-30F03	Highway 1 Deep	Careaga	10/19/1981	11.12	Flush	Top Flush Mount	20.36	9.24
32S/13E-30F03	Highway 1 Deep	Careaga	4/21/1981	6.83	Flush	Top Flush Mount	20.36	13.53
32S/13E-30F03	Highway 1 Deep	Careaga	10/10/1980	9.75	Flush	Top Flush Mount	20.36	10.61
32S/13E-30F03	Highway 1 Deep	Careaga	5/9/1980	7.02	Flush	Top Flush Mount	20.36	13.34
32S/13E-30F03	Highway 1 Deep	Careaga	11/7/1979	7.88	Flush	Top Flush Mount	20.36	12.48
32S/13E-30F03	Highway 1 Deep	Careaga	4/17/1979	5.09	Flush	Top Flush Mount	20.36	15.27
32S/13E-30F03	Highway 1 Deep	Careaga	12/4/1978	6.02	Flush	Top Flush Mount	20.36	14.34
32S/13E-30F03	Highway 1 Deep	Careaga	4/24/1978	4.70	Flush	Top Flush Mount	20.36	15.66
32S/13E-30F03	Highway 1 Deep	Careaga	11/7/1977	10.75	Flush	Top Flush Mount	20.36	9.61
32S/13E-30F03	Highway 1 Deep	Careaga	5/17/1977	8.95	Flush	Top Flush Mount	20.36	11.41
32S/13E-30F03	Highway 1 Deep	Careaga	6/9/1976	14.24	Flush	Top Flush Mount	20.36	6.12
32S/13E-30F03	Highway 1 Deep	Careaga	1/14/1976	7.24	Flush	Top Flush Mount	20.36	13.12
32S/13E-30F03	Highway 1 Deep	Careaga	7/7/1975	8.42	Flush	Top Flush Mount	20.36	11.94
32S/13E-30F03	Highway 1 Deep	Careaga	4/1/1975	5.58	Flush	Top Flush Mount	20.36	14.78
32S/13E-30F03	Highway 1 Deep	Careaga	6/7/1974	5.54	Flush	Top Flush Mount	20.36	14.82
32S/13E-30F03	Highway 1 Deep	Careaga	9/20/1973	7.18	Flush	Top Flush Mount	20.36	13.18
32S/13E-30F03	Highway 1 Deep	Careaga	6/29/1972	9.62	Flush	Top Flush Mount	20.36	10.74
32S/13E-30F03	Highway 1 Deep	Careaga	2/23/1972	5.65	Flush	Top Flush Mount	20.36	14.71
32S/13E-30F03	Highway 1 Deep	Careaga	11/29/1971	6.78	Flush	Top Flush Mount	20.36	13.58
32S/13E-30F03	Highway 1 Deep	Careaga	8/26/1971	8.20	Flush	Top Flush Mount	20.36	12.16
32S/13E-30F03	Highway 1 Deep	Careaga	6/2/1971	7.34	Flush	Top Flush Mount	20.36	13.02
32S/13E-30F03	Highway 1 Deep	Careaga	3/2/1971	5.76	Flush	Top Flush Mount	20.36	14.60
32S/13E-30F03	Highway 1 Deep	Careaga	12/15/1970	5.79	Flush	Top Flush Mount	20.36	14.57
32S/13E-30F03	Highway 1 Deep	Careaga	8/4/1970	10.11	Flush	Top Flush Mount	20.36	10.25
32S/13E-30F03	Highway 1 Deep	Careaga	6/3/1970	9.88	Flush	Top Flush Mount	20.36	10.48
32S/13E-30F03	Highway 1 Deep	Careaga	3/27/1970	6.83	Flush	Top Flush Mount	20.36	13.53
32S/13E-30F03	Highway 1 Deep	Careaga	1/29/1970	6.35	Flush	Top Flush Mount	20.36	14.01
32S/13E-30F03	Highway 1 Deep	Careaga	10/3/1969	9.44	Flush	Top Flush Mount	20.36	10.92
32S/13E-30F03	Highway 1 Deep	Careaga	7/23/1969	10.05	Flush	Top Flush Mount	20.36	10.31
32S/13E-30F03	Highway 1 Deep	Careaga	6/24/1969	9.04	Flush	Top Flush Mount	20.36	11.32
32S/13E-30F03	Highway 1 Deep	Careaga	5/22/1969	7.91	Flush	Top Flush Mount	20.36	12.45
32S/13E-30F03	Highway 1 Deep	Careaga	4/18/1969	6.53	Flush	Top Flush Mount	20.36	13.83
32S/13E-30F03	Highway 1 Deep	Careaga	3/20/1969	6.57	Flush	Top Flush Mount	20.36	13.79
32S/13E-30F03	Highway 1 Deep	Careaga	2/21/1969	7.18	Flush	Top Flush Mount	20.36	13.18

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30F03	Highway 1 Deep	Careaga	1/15/1969	9.37	Flush	Top Flush Mount	20.36	10.99
32S/13E-30F03	Highway 1 Deep	Careaga	12/12/1968	10.33	Flush	Top Flush Mount	20.36	10.03
32S/13E-30F03	Highway 1 Deep	Careaga	11/14/1968	11.75	Flush	Top Flush Mount	20.36	8.61
32S/13E-30F03	Highway 1 Deep	Careaga	10/17/1968	13.55	Flush	Top Flush Mount	20.36	6.81
32S/13E-30F03	Highway 1 Deep	Careaga	9/14/1968	14.20	Flush	Top Flush Mount	20.36	6.16
32S/13E-30F03	Highway 1 Deep	Careaga	8/13/1968	13.65	Flush	Top Flush Mount	20.36	6.71
32S/13E-30F03	Highway 1 Deep	Careaga	6/24/1968	12.92	Flush	Top Flush Mount	20.36	7.44
32S/13E-30F03	Highway 1 Deep	Careaga	5/30/1968	11.91	Flush	Top Flush Mount	20.36	8.45
32S/13E-30F03	Highway 1 Deep	Careaga	4/20/1968	9.35	Flush	Top Flush Mount	20.36	11.01
32S/13E-30F03	Highway 1 Deep	Careaga	3/21/1968	8.25	Flush	Top Flush Mount	20.36	12.11
32S/13E-30F03	Highway 1 Deep	Careaga	2/22/1968	7.67	Flush	Top Flush Mount	20.36	12.69
32S/13E-30F03	Highway 1 Deep	Careaga	1/17/1968	7.61	Flush	Top Flush Mount	20.36	12.75
32S/13E-30F03	Highway 1 Deep	Careaga	12/8/1967	8.57	Flush	Top Flush Mount	20.36	11.79
32S/13E-30F03	Highway 1 Deep	Careaga	11/13/1967	9.93	Flush	Top Flush Mount	20.36	10.43
32S/13E-30F03	Highway 1 Deep	Careaga	10/9/1967	10.12	Flush	Top Flush Mount	20.36	10.24
32S/13E-30F03	Highway 1 Deep	Careaga	9/5/1967	10.45	Flush	Top Flush Mount	20.36	9.91
32S/13E-30F03	Highway 1 Deep	Careaga	8/8/1967	10.16	Flush	Top Flush Mount	20.36	10.20
32S/13E-30F03	Highway 1 Deep	Careaga	7/12/1967	9.40	Flush	Top Flush Mount	20.36	10.96
32S/13E-30F03	Highway 1 Deep	Careaga	6/1/1967	8.30	Flush	Top Flush Mount	20.36	12.06
32S/13E-30F03	Highway 1 Deep	Careaga	5/2/1967	7.13	Flush	Top Flush Mount	20.36	13.23

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/7/2020	9.31	Stove Pipe	Top of Steel	16.13	6.83
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/6/2020	9.17	Stove Pipe	Top of Steel	16.13	6.97
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/7/2020	8.92	Stove Pipe	Top of Steel	16.13	7.22
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/7/2020	8.95	Stove Pipe	Top of Steel	16.13	7.18
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/9/2019	9.63	Stove Pipe	Top of Steel	16.13	6.50
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/9/2019	9.25	Stove Pipe	Top of Steel	16.13	6.88
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/9/2019	8.91	Stove Pipe	Top of Steel	16.13	7.22
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/8/2019	8.60	Stove Pipe	Top of Steel	16.13	7.53
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/9/2018	9.35	Stove Pipe	Top of Steel	16.13	6.78
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/10/2018	9.46	Stove Pipe	Top of Steel	16.13	6.67
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/10/2018	9.04	Stove Pipe	Top of Steel	16.13	7.09
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/10/2018	8.97	Stove Pipe	Top of Steel	16.13	7.16
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/10/2017	9.35	Stove Pipe	Top of Steel	16.13	6.78
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/11/2017	9.00	Stove Pipe	Top of Steel	16.13	7.13
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/11/2017	8.70	Stove Pipe	Top of Steel	16.13	7.43
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/10/2017	7.89	Stove Pipe	Top of Steel	16.13	8.24
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/12/2016	10.21	Stove Pipe	Top of Steel	16.13	5.92
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/19/2016	9.91	Stove Pipe	Top of Steel	16.13	6.22
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/12/2016	8.93	Stove Pipe	Top of Steel	16.13	7.20
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/12/2016	8.73	Stove Pipe	Top of Steel	16.13	7.40
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/13/2015	10.11	Stove Pipe	Top of Steel	16.13	6.02
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/14/2015	9.91	Stove Pipe	Top of Steel	16.13	6.22
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/14/2015	9.51	Stove Pipe	Top of Steel	16.13	6.62
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/13/2015	9.03	Stove Pipe	Top of Steel	16.13	7.10
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/14/2014	9.95	Stove Pipe	Top of Steel	16.13	6.18
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/29/2014	9.88	Stove Pipe	Top of Steel	16.13	6.25
32S/13E-30N01	Pier Ave Shallow	Alluvium	6/4/2014	9.54	Stove Pipe	Top of Steel	16.13	6.59
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/15/2014	9.17	Stove Pipe	Top of Steel	16.13	6.96
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/14/2014	9.61	Stove Pipe	Top of Steel	16.13	6.52
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/14/2013	9.86	Stove Pipe	Top of Steel	16.13	6.27
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/9/2013	9.40	Stove Pipe	Top of Steel	16.13	6.73
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/10/2013	8.98	Stove Pipe	Top of Steel	16.13	7.15
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/14/2013	8.60	Stove Pipe	Top of Steel	16.13	7.53
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/29/2012	8.96	Stove Pipe	Top of Steel	16.13	7.17
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/23/2012	8.54	Stove Pipe	Top of Steel	16.13	7.59
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/18/2012	8.53	Stove Pipe	Top of Steel	16.13	7.60
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/9/2012	8.74	Stove Pipe	Top of Steel	16.13	7.39
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/21/2011	8.78	Stove Pipe	Top of Steel	16.13	7.35
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/26/2011	9.01	Stove Pipe	Top of Steel	16.13	7.12
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/20/2011	8.59	Stove Pipe	Top of Steel	16.13	7.54
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/24/2011	8.18	Stove Pipe	Top of Steel	16.13	7.95
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/21/2010	9.99	Stove Pipe	Top of Steel	16.13	6.14
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/27/2010	8.97	Stove Pipe	Top of Steel	16.13	7.16
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/27/2010	6.14	Flush	Top Flush Mount	13.53	7.39

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/26/2010	4.90	Flush	Top Flush Mount	13.53	8.63
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/20/2009	6.53	Flush	Top Flush Mount	13.53	7.00
32S/13E-30N01	Pier Ave Shallow	Alluvium	8/20/2009	6.71	Flush	Top Flush Mount	13.53	6.82
32S/13E-30N01	Pier Ave Shallow	Alluvium	5/11/2009	6.03	Flush	Top Flush Mount	13.53	7.50
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/7/2009	5.83	Flush	Top Flush Mount	13.53	7.70
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/15/2008	7.19	Flush	Top Flush Mount	13.53	6.34
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/15/2008	6.20	Flush	Top Flush Mount	13.53	7.33
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/18/2007	7.20	Flush	Top Flush Mount	13.53	6.33
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/25/2006	5.55	Flush	Top Flush Mount	13.53	7.98
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/7/2005	6.85	Flush	Top Flush Mount	13.53	6.68
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/29/2005	5.35	Flush	Top Flush Mount	13.53	8.18
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/27/2004	6.50	Flush	Top Flush Mount	13.53	7.03
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/8/2004	5.80	Flush	Top Flush Mount	13.53	7.73
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/14/2002	6.60	Flush	Top Flush Mount	13.53	6.93
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/9/2002	5.70	Flush	Top Flush Mount	13.53	7.83
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/5/2001	5.80	Flush	Top Flush Mount	13.53	7.73
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/23/2001	5.00	Flush	Top Flush Mount	13.53	8.53
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/16/2000	5.90	Flush	Top Flush Mount	13.53	7.63
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/24/2000	5.20	Flush	Top Flush Mount	13.53	8.33
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/29/1999	6.10	Flush	Top Flush Mount	13.53	7.43
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/15/1999	5.50	Flush	Top Flush Mount	13.53	8.03
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/20/1998	6.20	Flush	Top Flush Mount	13.53	7.33
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/22/1998	4.90	Flush	Top Flush Mount	13.53	8.63
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/22/1997	6.02	Flush	Top Flush Mount	13.53	7.51
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/29/1997	6.10	Flush	Top Flush Mount	13.53	7.43
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/23/1996	6.15	Flush	Top Flush Mount	13.53	7.38
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/29/1996	5.80	Flush	Top Flush Mount	13.53	7.73
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/10/1995	6.20	Flush	Top Flush Mount	13.53	7.33
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/19/1995	5.20	Flush	Top Flush Mount	13.53	8.33
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/1/1994	6.60	Flush	Top Flush Mount	13.53	6.93
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/11/1994	5.80	Flush	Top Flush Mount	13.53	7.73
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/13/1993	6.33	Flush	Top Flush Mount	13.53	7.20
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/8/1993	5.40	Flush	Top Flush Mount	13.53	8.13
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/4/1992	6.10	Flush	Top Flush Mount	13.53	7.43
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/21/1992	5.17	Flush	Top Flush Mount	13.53	8.36
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/11/1991	5.16	Flush	Top Flush Mount	13.53	8.37
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/11/1990	6.93	Flush	Top Flush Mount	13.53	6.60
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/24/1990	6.10	Flush	Top Flush Mount	13.53	7.43
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/4/1989	6.65	Flush	Top Flush Mount	13.53	6.88
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/17/1989	6.23	Flush	Top Flush Mount	13.53	7.30
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/20/1988	6.77	Flush	Top Flush Mount	13.53	6.76
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/28/1988	6.13	Flush	Top Flush Mount	13.53	7.40
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/21/1988	5.77	Flush	Top Flush Mount	13.53	7.76
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/19/1987	6.61	Flush	Top Flush Mount	13.53	6.92

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/13/1987	5.99	Flush	Top Flush Mount	13.53	7.54
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/5/1986	6.26	Flush	Top Flush Mount	13.53	7.27
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/15/1986	4.89	Flush	Top Flush Mount	13.53	8.64
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/22/1985	5.40	Flush	Top Flush Mount	13.53	8.13
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/24/1984	6.00	Flush	Top Flush Mount	13.53	7.53
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/28/1983	6.00	Flush	Top Flush Mount	13.53	7.53
32S/13E-30N01	Pier Ave Shallow	Alluvium	5/6/1982	4.03	Flush	Top Flush Mount	13.53	9.50
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/20/1981	6.18	Flush	Top Flush Mount	13.53	7.35
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/21/1981	5.35	Flush	Top Flush Mount	13.53	8.18
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/10/1980	5.95	Flush	Top Flush Mount	13.53	7.58
32S/13E-30N01	Pier Ave Shallow	Alluvium	5/9/1980	4.97	Flush	Top Flush Mount	13.53	8.56
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/7/1979	5.89	Flush	Top Flush Mount	13.53	7.64
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/17/1979	5.63	Flush	Top Flush Mount	13.53	7.90
32S/13E-30N01	Pier Ave Shallow	Alluvium	12/4/1978	5.64	Flush	Top Flush Mount	13.53	7.89
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/24/1978	5.25	Flush	Top Flush Mount	13.53	8.28
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/7/1977	6.16	Flush	Top Flush Mount	13.53	7.37
32S/13E-30N01	Pier Ave Shallow	Alluvium	5/17/1977	6.41	Flush	Top Flush Mount	13.53	7.12
32S/13E-30N01	Pier Ave Shallow	Alluvium	6/7/1976	6.52	Flush	Top Flush Mount	13.53	7.01
32S/13E-30N01	Pier Ave Shallow	Alluvium	5/21/1976	6.50	Flush	Top Flush Mount	13.53	7.03
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/14/1976	6.15	Flush	Top Flush Mount	13.53	7.38
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/7/1975	6.33	Flush	Top Flush Mount	13.53	7.20
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/1/1975	6.18	Flush	Top Flush Mount	13.53	7.35
32S/13E-30N01	Pier Ave Shallow	Alluvium	6/7/1974	6.12	Flush	Top Flush Mount	13.53	7.41
32S/13E-30N01	Pier Ave Shallow	Alluvium	9/20/1973	6.75	Flush	Top Flush Mount	13.53	6.78
32S/13E-30N01	Pier Ave Shallow	Alluvium	6/29/1972	6.48	Flush	Top Flush Mount	13.53	7.05
32S/13E-30N01	Pier Ave Shallow	Alluvium	2/29/1972	6.80	Flush	Top Flush Mount	13.53	6.73
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/29/1971	6.31	Flush	Top Flush Mount	13.53	7.22
32S/13E-30N01	Pier Ave Shallow	Alluvium	8/26/1971	6.23	Flush	Top Flush Mount	13.53	7.30
32S/13E-30N01	Pier Ave Shallow	Alluvium	6/2/1971	6.12	Flush	Top Flush Mount	13.53	7.41
32S/13E-30N01	Pier Ave Shallow	Alluvium	3/2/1971	5.49	Flush	Top Flush Mount	13.53	8.04
32S/13E-30N01	Pier Ave Shallow	Alluvium	12/15/1970	5.73	Flush	Top Flush Mount	13.53	7.80
32S/13E-30N01	Pier Ave Shallow	Alluvium	5/22/1969	6.28	Flush	Top Flush Mount	13.53	7.25
32S/13E-30N01	Pier Ave Shallow	Alluvium	4/18/1969	5.94	Flush	Top Flush Mount	13.53	7.59
32S/13E-30N01	Pier Ave Shallow	Alluvium	3/20/1969	5.42	Flush	Top Flush Mount	13.53	8.11
32S/13E-30N01	Pier Ave Shallow	Alluvium	2/21/1969	4.96	Flush	Top Flush Mount	13.53	8.57
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/5/1969	6.66	Flush	Top Flush Mount	13.53	6.87
32S/13E-30N01	Pier Ave Shallow	Alluvium	12/12/1968	7.24	Flush	Top Flush Mount	13.53	6.29
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/14/1968	7.46	Flush	Top Flush Mount	13.53	6.07
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/17/1968	7.81	Flush	Top Flush Mount	13.53	5.72
32S/13E-30N01	Pier Ave Shallow	Alluvium	9/14/1968	7.88	Flush	Top Flush Mount	13.53	5.65
32S/13E-30N01	Pier Ave Shallow	Alluvium	8/13/1968	7.50	Flush	Top Flush Mount	13.53	6.03
32S/13E-30N01	Pier Ave Shallow	Alluvium	3/21/1968	6.15	Flush	Top Flush Mount	13.53	7.38
32S/13E-30N01	Pier Ave Shallow	Alluvium	2/22/1968	6.23	Flush	Top Flush Mount	13.53	7.30
32S/13E-30N01	Pier Ave Shallow	Alluvium	1/17/1968	6.68	Flush	Top Flush Mount	13.53	6.85

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N01	Pier Ave Shallow	Alluvium	12/8/1967	6.45	Flush	Top Flush Mount	13.53	7.08
32S/13E-30N01	Pier Ave Shallow	Alluvium	11/13/1967	7.02	Flush	Top Flush Mount	13.53	6.51
32S/13E-30N01	Pier Ave Shallow	Alluvium	10/9/1967	7.30	Flush	Top Flush Mount	13.53	6.23
32S/13E-30N01	Pier Ave Shallow	Alluvium	9/5/1967	7.18	Flush	Top Flush Mount	13.53	6.35
32S/13E-30N01	Pier Ave Shallow	Alluvium	8/8/1967	7.04	Flush	Top Flush Mount	13.53	6.49
32S/13E-30N01	Pier Ave Shallow	Alluvium	7/12/1967	7.02	Flush	Top Flush Mount	13.53	6.51
32S/13E-30N01	Pier Ave Shallow	Alluvium	6/1/1967	6.75	Flush	Top Flush Mount	13.53	6.78
32S/13E-30N01	Pier Ave Shallow	Alluvium	5/2/1967	6.40	Flush	Top Flush Mount	13.53	7.13

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/7/2020	9.00	Stove Pipe	Top of Steel	16.13	7.13
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/6/2020	8.37	Stove Pipe	Top of Steel	16.13	7.76
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/7/2020	7.42	Stove Pipe	Top of Steel	16.13	8.71
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/7/2020	7.89	Stove Pipe	Top of Steel	16.13	8.24
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/9/2019	8.29	Stove Pipe	Top of Steel	16.13	7.84
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/9/2019	8.35	Stove Pipe	Top of Steel	16.13	7.78
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/9/2019	8.25	Stove Pipe	Top of Steel	16.13	7.88
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/8/2019	7.90	Stove Pipe	Top of Steel	16.13	8.23
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/9/2018	8.37	Stove Pipe	Top of Steel	16.13	7.76
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/10/2018	9.12	Stove Pipe	Top of Steel	16.13	7.01
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/10/2018	7.50	Stove Pipe	Top of Steel	16.13	8.63
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/10/2018	7.61	Stove Pipe	Top of Steel	16.13	8.52
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/10/2017	8.61	Stove Pipe	Top of Steel	16.13	7.52
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/11/2017	8.84	Stove Pipe	Top of Steel	16.13	7.29
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/11/2017	7.55	Stove Pipe	Top of Steel	16.13	8.58
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/10/2017	7.11	Stove Pipe	Top of Steel	16.13	9.02
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/12/2016	10.13	Stove Pipe	Top of Steel	16.13	6.00
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/19/2016	10.62	Stove Pipe	Top of Steel	16.13	5.51
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/12/2016	9.21	Stove Pipe	Top of Steel	16.13	6.92
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/12/2016	7.98	Stove Pipe	Top of Steel	16.13	8.15
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/13/2015	10.48	Stove Pipe	Top of Steel	16.13	5.65
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/14/2015	10.88	Stove Pipe	Top of Steel	16.13	5.25
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/14/2015	11.88	Stove Pipe	Top of Steel	16.13	4.25
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/13/2015	9.40	Stove Pipe	Top of Steel	16.13	6.73
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/14/2014	10.52	Stove Pipe	Top of Steel	16.13	5.61
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/29/2014	10.22	Stove Pipe	Top of Steel	16.13	5.91
32S/13E-30N03	Pier Ave Middle	Paso Robles	6/4/2014	11.33	Stove Pipe	Top of Steel	16.13	4.80
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/15/2014	9.31	Stove Pipe	Top of Steel	16.13	6.82
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/14/2014	10.26	Stove Pipe	Top of Steel	16.13	5.87
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/14/2013	10.72	Stove Pipe	Top of Steel	16.13	5.41
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/9/2013	10.36	Stove Pipe	Top of Steel	16.13	5.77
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/10/2013	8.26	Stove Pipe	Top of Steel	16.13	7.87
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/14/2013	7.71	Stove Pipe	Top of Steel	16.13	8.42
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/29/2012	8.01	Stove Pipe	Top of Steel	16.13	8.12
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/23/2012	9.15	Stove Pipe	Top of Steel	16.13	6.98
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/18/2012	6.72	Stove Pipe	Top of Steel	16.13	9.41
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/11/2012	7.17	Stove Pipe	Top of Steel	16.13	8.96
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/21/2011	6.45	Stove Pipe	Top of Steel	16.13	9.68
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/26/2011	7.59	Stove Pipe	Top of Steel	16.13	8.54
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/20/2011	6.65	Stove Pipe	Top of Steel	16.13	9.48
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/24/2011	6.68	Stove Pipe	Top of Steel	16.13	9.45
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/21/2010	10.76	Stove Pipe	Top of Steel	16.13	5.37
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/27/2010	9.53	Stove Pipe	Top of Steel	16.13	6.60
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/27/2010	5.26	Flush	Top Flush Mount	13.53	8.27

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/26/2010	5.88	Flush	Top Flush Mount	13.53	7.65
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/20/2009	6.56	Flush	Top Flush Mount	13.53	6.97
32S/13E-30N03	Pier Ave Middle	Paso Robles	8/20/2009	7.50	Flush	Top Flush Mount	13.53	6.03
32S/13E-30N03	Pier Ave Middle	Paso Robles	5/12/2009	6.33	Flush	Top Flush Mount	13.53	7.20
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/15/2008	5.50	Flush	Top Flush Mount	13.53	8.03
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/18/2007	8.15	Flush	Top Flush Mount	13.53	5.38
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/17/2007	5.50	Flush	Top Flush Mount	13.53	8.03
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/19/2006	5.47	Flush	Top Flush Mount	13.53	8.06
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/25/2006	3.25	Flush	Top Flush Mount	13.53	10.28
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/7/2005	6.15	Flush	Top Flush Mount	13.53	7.38
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/29/2005	5.42	Flush	Top Flush Mount	13.53	8.11
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/27/2004	6.70	Flush	Top Flush Mount	13.53	6.83
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/8/2004	4.90	Flush	Top Flush Mount	13.53	8.63
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/8/2003	3.20	Flush	Top Flush Mount	13.53	10.33
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/14/2002	7.10	Flush	Top Flush Mount	13.53	6.43
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/9/2002	4.60	Flush	Top Flush Mount	13.53	8.93
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/5/2001	5.00	Flush	Top Flush Mount	13.53	8.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/23/2001	3.20	Flush	Top Flush Mount	13.53	10.33
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/16/2000	4.80	Flush	Top Flush Mount	13.53	8.73
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/24/2000	4.10	Flush	Top Flush Mount	13.53	9.43
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/28/1999	5.80	Flush	Top Flush Mount	13.53	7.73
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/15/1999	3.35	Flush	Top Flush Mount	13.53	10.18
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/20/1998	3.50	Flush	Top Flush Mount	13.53	10.03
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/22/1998	1.20	Flush	Top Flush Mount	13.53	12.33
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/22/1997	4.93	Flush	Top Flush Mount	13.53	8.60
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/29/1997	4.60	Flush	Top Flush Mount	13.53	8.93
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/23/1996	5.05	Flush	Top Flush Mount	13.53	8.48
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/29/1996	3.70	Flush	Top Flush Mount	13.53	9.83
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/10/1995	4.70	Flush	Top Flush Mount	13.53	8.83
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/19/1995	3.10	Flush	Top Flush Mount	13.53	10.43
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/1/1994	7.20	Flush	Top Flush Mount	13.53	6.33
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/11/1994	4.88	Flush	Top Flush Mount	13.53	8.65
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/13/1993	5.98	Flush	Top Flush Mount	13.53	7.55
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/8/1993	3.35	Flush	Top Flush Mount	13.53	10.18
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/4/1992	6.40	Flush	Top Flush Mount	13.53	7.13
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/21/1992	4.51	Flush	Top Flush Mount	13.53	9.02
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/11/1991	6.59	Flush	Top Flush Mount	13.53	6.94
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/11/1991	7.14	Flush	Top Flush Mount	13.53	6.39
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/11/1990	7.61	Flush	Top Flush Mount	13.53	5.92
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/24/1990	5.89	Flush	Top Flush Mount	13.53	7.64
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/4/1989	6.54	Flush	Top Flush Mount	13.53	6.99
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/17/1989	6.65	Flush	Top Flush Mount	13.53	6.88
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/20/1988	7.29	Flush	Top Flush Mount	13.53	6.24
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/28/1988	6.45	Flush	Top Flush Mount	13.53	7.08

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/21/1988	6.45	Flush	Top Flush Mount	13.53	7.08
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/19/1987	7.12	Flush	Top Flush Mount	13.53	6.41
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/13/1987	5.09	Flush	Top Flush Mount	13.53	8.44
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/5/1986	5.06	Flush	Top Flush Mount	13.53	8.47
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/15/1986	5.61	Flush	Top Flush Mount	13.53	7.92
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/22/1985	4.80	Flush	Top Flush Mount	13.53	8.73
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/24/1984	5.70	Flush	Top Flush Mount	13.53	7.83
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/28/1982	3.04	Flush	Top Flush Mount	13.53	10.49
32S/13E-30N03	Pier Ave Middle	Paso Robles	5/6/1982	5.53	Flush	Top Flush Mount	13.53	8.00
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/20/1981	5.23	Flush	Top Flush Mount	13.53	8.30
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/21/1981	3.09	Flush	Top Flush Mount	13.53	10.44
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/10/1980	4.70	Flush	Top Flush Mount	13.53	8.83
32S/13E-30N03	Pier Ave Middle	Paso Robles	5/9/1980	5.30	Flush	Top Flush Mount	13.53	8.23
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/7/1979	3.85	Flush	Top Flush Mount	13.53	9.68
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/17/1979	4.48	Flush	Top Flush Mount	13.53	9.05
32S/13E-30N03	Pier Ave Middle	Paso Robles	12/4/1978	3.25	Flush	Top Flush Mount	13.53	10.28
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/24/1978	3.32	Flush	Top Flush Mount	13.53	10.21
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/7/1977	6.67	Flush	Top Flush Mount	13.53	6.86
32S/13E-30N03	Pier Ave Middle	Paso Robles	5/17/1977	6.67	Flush	Top Flush Mount	13.53	6.86
32S/13E-30N03	Pier Ave Middle	Paso Robles	6/7/1976	6.28	Flush	Top Flush Mount	13.53	7.25
32S/13E-30N03	Pier Ave Middle	Paso Robles	5/21/1976	6.07	Flush	Top Flush Mount	13.53	7.46
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/14/1976	5.00	Flush	Top Flush Mount	13.53	8.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/7/1975	5.00	Flush	Top Flush Mount	13.53	8.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/1/1975	4.00	Flush	Top Flush Mount	13.53	9.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	6/7/1974	4.00	Flush	Top Flush Mount	13.53	9.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	9/20/1973	5.00	Flush	Top Flush Mount	13.53	8.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	6/29/1972	11.00	Flush	Top Flush Mount	13.53	2.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	2/29/1972	3.00	Flush	Top Flush Mount	13.53	10.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/29/1971	5.81	Flush	Top Flush Mount	13.53	7.72
32S/13E-30N03	Pier Ave Middle	Paso Robles	8/26/1971	6.00	Flush	Top Flush Mount	13.53	7.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	6/2/1971	6.00	Flush	Top Flush Mount	13.53	7.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	3/2/1971	4.62	Flush	Top Flush Mount	13.53	8.91
32S/13E-30N03	Pier Ave Middle	Paso Robles	12/15/1970	6.03	Flush	Top Flush Mount	13.53	7.50
32S/13E-30N03	Pier Ave Middle	Paso Robles	6/24/1969	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	5/22/1969	7.00	Flush	Top Flush Mount	13.53	6.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/18/1969	6.23	Flush	Top Flush Mount	13.53	7.30
32S/13E-30N03	Pier Ave Middle	Paso Robles	3/20/1969	5.24	Flush	Top Flush Mount	13.53	8.29
32S/13E-30N03	Pier Ave Middle	Paso Robles	2/21/1969	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/15/1969	8.24	Flush	Top Flush Mount	13.53	5.29
32S/13E-30N03	Pier Ave Middle	Paso Robles	12/12/1968	7.82	Flush	Top Flush Mount	13.53	5.71
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/14/1968	9.05	Flush	Top Flush Mount	13.53	4.48
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/17/1968	10.07	Flush	Top Flush Mount	13.53	3.46
32S/13E-30N03	Pier Ave Middle	Paso Robles	9/14/1968	10.77	Flush	Top Flush Mount	13.53	2.76
32S/13E-30N03	Pier Ave Middle	Paso Robles	8/23/1968	11.59	Flush	Top Flush Mount	13.53	1.94

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N03	Pier Ave Middle	Paso Robles	4/20/1968	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N03	Pier Ave Middle	Paso Robles	3/21/1968	8.64	Flush	Top Flush Mount	13.53	4.89
32S/13E-30N03	Pier Ave Middle	Paso Robles	2/22/1968	7.20	Flush	Top Flush Mount	13.53	6.33
32S/13E-30N03	Pier Ave Middle	Paso Robles	1/17/1968	7.67	Flush	Top Flush Mount	13.53	5.86
32S/13E-30N03	Pier Ave Middle	Paso Robles	12/8/1967	6.95	Flush	Top Flush Mount	13.53	6.58
32S/13E-30N03	Pier Ave Middle	Paso Robles	11/13/1967	9.03	Flush	Top Flush Mount	13.53	4.50
32S/13E-30N03	Pier Ave Middle	Paso Robles	10/9/1967	8.05	Flush	Top Flush Mount	13.53	5.48
32S/13E-30N03	Pier Ave Middle	Paso Robles	9/5/1967	8.07	Flush	Top Flush Mount	13.53	5.46
32S/13E-30N03	Pier Ave Middle	Paso Robles	8/8/1967	9.14	Flush	Top Flush Mount	13.53	4.39
32S/13E-30N03	Pier Ave Middle	Paso Robles	7/12/1967	8.92	Flush	Top Flush Mount	13.53	4.61
32S/13E-30N03	Pier Ave Middle	Paso Robles	6/1/1967	6.70	Flush	Top Flush Mount	13.53	6.83
32S/13E-30N03	Pier Ave Middle	Paso Robles	5/2/1967	6.15	Flush	Top Flush Mount	13.53	7.38

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/7/2020	11.33	Stove Pipe	Top of Steel	16.13	4.80
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/6/2020	9.18	Stove Pipe	Top of Steel	16.13	6.95
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/7/2020	5.01	Stove Pipe	Top of Steel	16.13	11.12
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/7/2020	5.92	Stove Pipe	Top of Steel	16.13	10.21
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/9/2019	10.00	Stove Pipe	Top of Steel	16.13	6.13
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/9/2019	8.05	Stove Pipe	Top of Steel	16.13	8.08
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/9/2019	5.23	Stove Pipe	Top of Steel	16.13	10.90
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/8/2019	7.60	Stove Pipe	Top of Steel	16.13	8.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/9/2018	10.77	Stove Pipe	Top of Steel	16.13	5.36
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/10/2018	10.23	Stove Pipe	Top of Steel	16.13	5.90
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/10/2018	5.96	Stove Pipe	Top of Steel	16.13	10.17
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/10/2018	7.43	Stove Pipe	Top of Steel	16.13	8.70
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/10/2017	10.40	Stove Pipe	Top of Steel	16.13	5.73
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/11/2017	8.38	Stove Pipe	Top of Steel	16.13	7.75
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/11/2017	5.35	Stove Pipe	Top of Steel	16.13	10.78
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/10/2017	7.34	Stove Pipe	Top of Steel	16.13	8.79
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/12/2016	13.44	Stove Pipe	Top of Steel	16.13	2.69
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/19/2016	12.40	Stove Pipe	Top of Steel	16.13	3.73
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/12/2016	8.57	Stove Pipe	Top of Steel	16.13	7.56
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/12/2016	7.48	Stove Pipe	Top of Steel	16.13	8.65
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/13/2015	14.14	Stove Pipe	Top of Steel	16.13	1.99
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/14/2015	13.55	Stove Pipe	Top of Steel	16.13	2.58
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/14/2015	10.02	Stove Pipe	Top of Steel	16.13	6.11
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/13/2015	7.85	Stove Pipe	Top of Steel	16.13	8.28
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/14/2014	13.69	Stove Pipe	Top of Steel	16.13	2.44
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/29/2014	13.27	Stove Pipe	Top of Steel	16.13	2.86
32S/13E-30N02	Pier Ave Deep	Paso Robles	6/4/2014	15.20	Stove Pipe	Top of Steel	16.13	0.93
32S/13E-30N02	Pier Ave Deep	Paso Robles	5/5/2014	13.19	Stove Pipe	Top of Steel	16.13	2.94
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/15/2014	8.57	Stove Pipe	Top of Steel	16.13	7.56
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/14/2014	9.30	Stove Pipe	Top of Steel	16.13	6.83
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/14/2013	12.13	Stove Pipe	Top of Steel	16.13	4.00
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/9/2013	11.05	Stove Pipe	Top of Steel	16.13	5.08
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/10/2013	7.06	Stove Pipe	Top of Steel	16.13	9.07
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/14/2013	4.98	Stove Pipe	Top of Steel	16.13	11.15
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/29/2012	8.52	Stove Pipe	Top of Steel	16.13	7.61
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/23/2012	8.31	Stove Pipe	Top of Steel	16.13	7.82
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/18/2012	3.45	Stove Pipe	Top of Steel	16.13	12.68
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/11/2012	4.88	Stove Pipe	Top of Steel	16.13	11.25
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/21/2011	5.35	Stove Pipe	Top of Steel	16.13	10.78
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/26/2011	7.25	Stove Pipe	Top of Steel	16.13	8.88
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/20/2011	3.53	Flush	Top Flush Mount	13.53	10.00
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/24/2011	3.67	Flush	Top Flush Mount	13.53	9.86
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/21/2010	10.42	Flush	Top Flush Mount	13.53	3.11
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/27/2010	10.02	Flush	Top Flush Mount	13.53	3.51

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/27/2010	6.14	Flush	Top Flush Mount	13.53	7.39
32S/13E-30N02	Pier Ave Deep	Paso Robles	2/25/2010	1.72	Flush	Top Flush Mount	13.53	11.81
32S/13E-30N02	Pier Ave Deep	Paso Robles	2/25/2010	1.72	Flush	Top Flush Mount	13.53	11.81
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/26/2010	3.72	Flush	Top Flush Mount	13.53	9.81
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/20/2009	7.38	Flush	Top Flush Mount	13.53	6.15
32S/13E-30N02	Pier Ave Deep	Paso Robles	8/20/2009	11.94	Flush	Top Flush Mount	13.53	1.59
32S/13E-30N02	Pier Ave Deep	Paso Robles	5/11/2009	6.98	Flush	Top Flush Mount	13.53	6.55
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/15/2008	12.23	Flush	Top Flush Mount	13.53	1.30
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/15/2008	5.60	Flush	Top Flush Mount	13.53	7.93
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/18/2007	10.35	Flush	Top Flush Mount	13.53	3.18
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/17/2007	6.80	Flush	Top Flush Mount	13.53	6.73
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/19/2006	5.07	Flush	Top Flush Mount	13.53	8.46
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/25/2006	0.35	Flush	Top Flush Mount	13.53	13.18
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/7/2005	2.50	Flush	Top Flush Mount	13.53	11.03
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/29/2005	1.80	Flush	Top Flush Mount	13.53	11.73
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/27/2004	8.40	Flush	Top Flush Mount	13.53	5.13
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/8/2004	3.90	Flush	Top Flush Mount	13.53	9.63
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/17/2002	6.20	Flush	Top Flush Mount	13.53	7.33
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/9/2002	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/5/2001	3.70	Flush	Top Flush Mount	13.53	9.83
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/23/2001	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/16/2000	2.90	Flush	Top Flush Mount	13.53	10.63
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/24/2000	1.90	Flush	Top Flush Mount	13.53	11.63
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/28/1999	2.98	Flush	Top Flush Mount	13.53	10.55
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/15/1999	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/20/1998	3.30	Flush	Top Flush Mount	13.53	10.23
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/22/1998	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/22/1997	5.45	Flush	Top Flush Mount	13.53	8.08
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/29/1997	5.19	Flush	Top Flush Mount	13.53	8.34
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/23/1996	5.91	Flush	Top Flush Mount	13.53	7.62
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/29/1996	3.10	Flush	Top Flush Mount	13.53	10.43
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/10/1995	9.15	Flush	Top Flush Mount	13.53	4.38
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/19/1995	1.60	Flush	Top Flush Mount	13.53	11.93
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/1/1994	7.10	Flush	Top Flush Mount	13.53	6.43
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/11/1994	3.61	Flush	Top Flush Mount	13.53	9.92
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/13/1993	8.45	Flush	Top Flush Mount	13.53	5.08
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/8/1993	1.31	Flush	Top Flush Mount	13.53	12.22
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/4/1992	7.10	Flush	Top Flush Mount	13.53	6.43
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/21/1992	3.27	Flush	Top Flush Mount	13.53	10.26
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/11/1991	8.79	Flush	Top Flush Mount	13.53	4.74
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/11/1991	7.14	Flush	Top Flush Mount	13.53	6.39
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/11/1990	8.70	Flush	Top Flush Mount	13.53	4.83
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/24/1990	5.40	Flush	Top Flush Mount	13.53	8.13
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/4/1989	6.34	Flush	Top Flush Mount	13.53	7.19

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/17/1989	4.48	Flush	Top Flush Mount	13.53	9.05
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/20/1988	7.28	Flush	Top Flush Mount	13.53	6.25
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/29/1988	2.72	Flush	Top Flush Mount	13.53	10.81
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/21/1988	3.78	Flush	Top Flush Mount	13.53	9.75
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/19/1987	6.10	Flush	Top Flush Mount	13.53	7.43
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/13/1987	1.22	Flush	Top Flush Mount	13.53	12.31
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/5/1986	4.85	Flush	Top Flush Mount	13.53	8.68
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/15/1986	0.88	Flush	Top Flush Mount	13.53	12.65
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/22/1985	0.07	Flush	Top Flush Mount	13.53	13.46
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/24/1984	3.38	Flush	Top Flush Mount	13.53	10.15
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/28/1983	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	5/6/1982	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/20/1981	3.54	Flush	Top Flush Mount	13.53	9.99
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/21/1981	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/10/1980	2.48	Flush	Top Flush Mount	13.53	11.05
32S/13E-30N02	Pier Ave Deep	Paso Robles	5/9/1980	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/7/1979	1.73	Flush	Top Flush Mount	13.53	11.80
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/17/1979	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	12/4/1978	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/24/1978	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/7/1977	4.89	Flush	Top Flush Mount	13.53	8.64
32S/13E-30N02	Pier Ave Deep	Paso Robles	5/17/1977	2.80	Flush	Top Flush Mount	13.53	10.73
32S/13E-30N02	Pier Ave Deep	Paso Robles	6/7/1976	4.70	Flush	Top Flush Mount	13.53	8.83
32S/13E-30N02	Pier Ave Deep	Paso Robles	5/21/1976	3.79	Flush	Top Flush Mount	13.53	9.74
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/14/1975	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/7/1975	2.53	Flush	Top Flush Mount	13.53	11.00
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/1/1975	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	6/7/1974	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	9/20/1973	1.03	Flush	Top Flush Mount	13.53	12.50
32S/13E-30N02	Pier Ave Deep	Paso Robles	6/29/1972	4.35	Flush	Top Flush Mount	13.53	9.18
32S/13E-30N02	Pier Ave Deep	Paso Robles	2/29/1972	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/29/1971	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	8/26/1971	3.00	Flush	Top Flush Mount	13.53	10.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	6/2/1971	0.88	Flush	Top Flush Mount	13.53	12.65
32S/13E-30N02	Pier Ave Deep	Paso Robles	3/2/1971	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	12/15/1969	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	6/24/1969	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	5/22/1969	1.48	Flush	Top Flush Mount	13.53	12.05
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/18/1969	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	3/20/1969	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	2/21/1969	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/15/1969	2.41	Flush	Top Flush Mount	13.53	11.12
32S/13E-30N02	Pier Ave Deep	Paso Robles	12/12/1968	4.12	Flush	Top Flush Mount	13.53	9.41
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/14/1968	5.48	Flush	Top Flush Mount	13.53	8.05

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/17/1968	8.06	Flush	Top Flush Mount	13.53	5.47
32S/13E-30N02	Pier Ave Deep	Paso Robles	9/14/1968	9.22	Flush	Top Flush Mount	13.53	4.31
32S/13E-30N02	Pier Ave Deep	Paso Robles	8/13/1968	8.47	Flush	Top Flush Mount	13.53	5.06
32S/13E-30N02	Pier Ave Deep	Paso Robles	4/20/1968	0.00	Flush	Top Flush Mount	13.53	13.53
32S/13E-30N02	Pier Ave Deep	Paso Robles	3/21/1968	1.37	Flush	Top Flush Mount	13.53	12.16
32S/13E-30N02	Pier Ave Deep	Paso Robles	2/22/1968	0.74	Flush	Top Flush Mount	13.53	12.79
32S/13E-30N02	Pier Ave Deep	Paso Robles	1/17/1968	1.02	Flush	Top Flush Mount	13.53	12.51
32S/13E-30N02	Pier Ave Deep	Paso Robles	12/8/1967	2.14	Flush	Top Flush Mount	13.53	11.39
32S/13E-30N02	Pier Ave Deep	Paso Robles	11/13/1967	4.04	Flush	Top Flush Mount	13.53	9.49
32S/13E-30N02	Pier Ave Deep	Paso Robles	10/9/1967	4.46	Flush	Top Flush Mount	13.53	9.07
32S/13E-30N02	Pier Ave Deep	Paso Robles	9/5/1967	5.03	Flush	Top Flush Mount	13.53	8.50
32S/13E-30N02	Pier Ave Deep	Paso Robles	8/8/1967	4.71	Flush	Top Flush Mount	13.53	8.82
32S/13E-30N02	Pier Ave Deep	Paso Robles	7/12/1967	1.77	Flush	Top Flush Mount	13.53	11.76
32S/13E-30N02	Pier Ave Deep	Paso Robles	6/1/1967	1.90	Flush	Top Flush Mount	13.53	11.63
32S/13E-30N02	Pier Ave Deep	Paso Robles	5/2/1967	0.00	Flush	Top Flush Mount	13.53	13.53

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-31H10	Oceano Green	Paso Robles	10/7/2020	28.77	Manhole	Top Flush Mount	34.63	5.86
32S/13E-31H10	Oceano Green	Paso Robles	7/6/2020	25.99	Manhole	Top Flush Mount	34.63	8.64
32S/13E-31H10	Oceano Green	Paso Robles	4/7/2020	22.54	Manhole	Top Flush Mount	34.63	12.09
32S/13E-31H10	Oceano Green	Paso Robles	1/7/2020	24.03	Manhole	Top Flush Mount	34.63	10.60
32S/13E-31H10	Oceano Green	Paso Robles	10/9/2019	27.50	Manhole	Top Flush Mount	34.63	7.13
32S/13E-31H10	Oceano Green	Paso Robles	7/9/2019	28.68	Manhole	Top Flush Mount	34.63	5.95
32S/13E-31H10	Oceano Green	Paso Robles	4/9/2019	22.35	Manhole	Top Flush Mount	34.63	12.28
32S/13E-31H10	Oceano Green	Paso Robles	1/8/2019	24.48	Manhole	Top Flush Mount	34.63	10.15
32S/13E-31H10	Oceano Green	Paso Robles	10/9/2018	27.35	Manhole	Top Flush Mount	34.63	7.28
32S/13E-31H10	Oceano Green	Paso Robles	7/10/2018	27.94	Manhole	Top Flush Mount	34.63	6.69
32S/13E-31H10	Oceano Green	Paso Robles	4/10/2018	24.15	Manhole	Top Flush Mount	34.63	10.48
32S/13E-31H10	Oceano Green	Paso Robles	1/10/2018	24.15	Manhole	Top Flush Mount	34.63	10.48
32S/13E-31H10	Oceano Green	Paso Robles	10/10/2017	26.53	Manhole	Top Flush Mount	34.63	8.10
32S/13E-31H10	Oceano Green	Paso Robles	7/11/2017	25.11	Manhole	Top Flush Mount	34.63	9.52
32S/13E-31H10	Oceano Green	Paso Robles	4/11/2017	21.98	Manhole	Top Flush Mount	34.63	12.65
32S/13E-31H10	Oceano Green	Paso Robles	1/10/2017	24.50	Manhole	Top Flush Mount	34.63	10.13
32S/13E-31H10	Oceano Green	Paso Robles	10/12/2016	30.74	Manhole	Top Flush Mount	34.63	3.89
32S/13E-31H10	Oceano Green	Paso Robles	7/19/2016	29.77	Manhole	Top Flush Mount	34.63	4.86
32S/13E-31H10	Oceano Green	Paso Robles	4/12/2016	25.64	Manhole	Top Flush Mount	34.63	8.99
32S/13E-31H10	Oceano Green	Paso Robles	1/12/2016	20.83	Manhole	Top of Casing	30.49	9.66
32S/13E-31H10	Oceano Green	Paso Robles	10/13/2015	31.88	Manhole	Top Flush Mount	34.63	2.75
32S/13E-31H10	Oceano Green	Paso Robles	7/14/2015	31.61	Manhole	Top Flush Mount	34.63	3.02
32S/13E-31H10	Oceano Green	Paso Robles	4/14/2015	28.81	Manhole	Top Flush Mount	34.63	5.82
32S/13E-31H10	Oceano Green	Paso Robles	1/13/2015	26.11	Manhole	Top Flush Mount	34.63	8.52
32S/13E-31H10	Oceano Green	Paso Robles	10/14/2014	31.64	Manhole	Top Flush Mount	34.63	2.99
32S/13E-31H10	Oceano Green	Paso Robles	7/29/2014	32.30	Manhole	Top Flush Mount	34.63	2.33
32S/13E-31H10	Oceano Green	Paso Robles	6/4/2014	32.82	Manhole	Top Flush Mount	34.63	1.81
32S/13E-31H10	Oceano Green	Paso Robles	4/15/2014	27.98	Manhole	Top Flush Mount	34.63	6.65
32S/13E-31H10	Oceano Green	Paso Robles	1/14/2014	28.55	Manhole	Top Flush Mount	34.63	6.08
32S/13E-31H10	Oceano Green	Paso Robles	10/14/2013	30.31	Manhole	Top Flush Mount	34.63	4.32
32S/13E-31H10	Oceano Green	Paso Robles	7/9/2013	29.98	Manhole	Top Flush Mount	34.63	4.65
32S/13E-31H10	Oceano Green	Paso Robles	4/10/2013	23.30	Manhole	Top Flush Mount	34.63	11.33
32S/13E-31H10	Oceano Green	Paso Robles	1/14/2013	23.59	Manhole	Top Flush Mount	34.63	11.04
32S/13E-31H10	Oceano Green	Paso Robles	10/30/2012	27.31	Manhole	Top Flush Mount	34.63	7.32
32S/13E-31H10	Oceano Green	Paso Robles	7/25/2012	27.15	Manhole	Top Flush Mount	34.63	7.48
32S/13E-31H10	Oceano Green	Paso Robles	4/18/2012	21.65	Manhole	Top Flush Mount	34.63	12.98
32S/13E-31H10	Oceano Green	Paso Robles	1/12/2012	23.29	Manhole	Top Flush Mount	34.63	11.34
32S/13E-31H10	Oceano Green	Paso Robles	11/21/2011	22.46	Manhole	Top Flush Mount	34.63	12.17
32S/13E-31H10	Oceano Green	Paso Robles	7/26/2011	25.51	Manhole	Top Flush Mount	34.63	9.12
32S/13E-31H10	Oceano Green	Paso Robles	4/20/2011	114.79	Manhole	Top Flush Mount	34.63	-80.16
32S/13E-31H10	Oceano Green	Paso Robles	1/24/2011	106.59	Manhole	Top Flush Mount	34.63	-71.96
32S/13E-31H10	Oceano Green	Paso Robles	10/21/2010	112.71	Manhole	Top of Casing	30.49	-82.22
32S/13E-31H10	Oceano Green	Paso Robles	7/26/2010	95.61	Manhole	Top of Casing	30.49	-65.12
32S/13E-31H10	Oceano Green	Paso Robles	4/26/2010	63.90	Manhole	Top of Casing	30.49	-33.41

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-31H10	Oceano Green	Paso Robles	1/27/2010	43.71	Manhole	Top of Casing	30.49	-13.22
32S/13E-31H10	Oceano Green	Paso Robles	10/20/2009	29.20	Manhole	Top of Casing	30.49	1.29
32S/13E-31H10	Oceano Green	Paso Robles	8/19/2009	24.55	Manhole	Top of Casing	30.49	5.94
32S/13E-31H10	Oceano Green	Paso Robles	4/7/2009	28.12	Manhole	Top of Casing	30.49	2.37
32S/13E-31H10	Oceano Green	Paso Robles	10/15/2008	27.84	Manhole	Top of Casing	30.49	2.65
32S/13E-31H10	Oceano Green	Paso Robles	4/16/2008	26.82	Manhole	Top of Casing	30.49	3.67
32S/13E-31H10	Oceano Green	Paso Robles	10/18/2007	27.10	Manhole	Top of Casing	30.49	3.39
32S/13E-31H10	Oceano Green	Paso Robles	4/18/2007	25.15	Manhole	Top of Casing	30.49	5.34
32S/13E-31H10	Oceano Green	Paso Robles	10/16/2006	25.40	Manhole	Top of Casing	30.49	5.09
32S/13E-31H10	Oceano Green	Paso Robles	4/11/2006	25.60	Manhole	Top of Casing	30.49	4.89
32S/13E-31H10	Oceano Green	Paso Robles	10/31/2005	26.50	Manhole	Top of Casing	30.49	3.99
32S/13E-31H10	Oceano Green	Paso Robles	10/5/2001	20.10	Manhole	Top of Casing	30.49	10.39
32S/13E-31H10	Oceano Green	Paso Robles	4/25/2001	20.00	Manhole	Top of Casing	30.49	10.49
32S/13E-31H10	Oceano Green	Paso Robles	10/4/2000	20.90	Manhole	Top of Casing	30.49	9.59
32S/13E-31H10	Oceano Green	Paso Robles	4/14/2000	16.10	Manhole	Top of Casing	30.49	14.39
32S/13E-31H10	Oceano Green	Paso Robles	10/27/1999	21.40	Manhole	Top of Casing	30.49	9.09
32S/13E-31H10	Oceano Green	Paso Robles	10/23/1998	19.80	Manhole	Top of Casing	30.49	10.69
32S/13E-31H10	Oceano Green	Paso Robles	10/21/1998	19.50	Manhole	Top of Casing	30.49	10.99
32S/13E-31H10	Oceano Green	Paso Robles	4/28/1997	20.30	Manhole	Top of Casing	30.49	10.19
32S/13E-31H10	Oceano Green	Paso Robles	4/16/1996	20.70	Manhole	Top of Casing	30.49	9.79
32S/13E-31H10	Oceano Green	Paso Robles	10/4/1995	211.90	Manhole	Top of Casing	30.49	-181.41
32S/13E-31H10	Oceano Green	Paso Robles	4/7/1995	22.50	Manhole	Top of Casing	30.49	7.99
32S/13E-31H10	Oceano Green	Paso Robles	4/13/1994	20.20	Manhole	Top of Casing	30.49	10.29
32S/13E-31H10	Oceano Green	Paso Robles	10/5/1993	21.10	Manhole	Top of Casing	30.49	9.39
32S/13E-31H10	Oceano Green	Paso Robles	4/6/1993	19.73	Manhole	Top of Casing	30.49	10.76
32S/13E-31H10	Oceano Green	Paso Robles	10/14/1992	23.69	Manhole	Top of Casing	30.49	6.8
32S/13E-31H10	Oceano Green	Paso Robles	4/15/1992	24.20	Manhole	Top of Casing	30.49	6.29
32S/13E-31H10	Oceano Green	Paso Robles	10/7/1991	26.10	Manhole	Top of Casing	30.49	4.39
32S/13E-31H10	Oceano Green	Paso Robles	4/4/1991	25.50	Manhole	Top of Casing	30.49	4.99
32S/13E-31H10	Oceano Green	Paso Robles	10/4/1990	25.70	Manhole	Top of Casing	30.49	4.79
32S/13E-31H10	Oceano Green	Paso Robles	4/11/1990	23.00	Manhole	Top of Casing	30.49	7.49
32S/13E-31H10	Oceano Green	Paso Robles	10/4/1989	24.60	Manhole	Top of Casing	30.49	5.89
32S/13E-31H10	Oceano Green	Paso Robles	10/3/1984	21.90	Manhole	Top of Casing	30.49	8.59
32S/13E-31H10	Oceano Green	Paso Robles	10/14/1983	17.55	Manhole	Top of Casing	30.49	12.94
32S/13E-31H10	Oceano Green	Paso Robles	5/16/1983	15.80	Manhole	Top of Casing	30.49	14.69

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-31H11	Oceano Blue	Paso Robles	10/7/2020	29.71	Manhole	Top Flush Mount	34.63	4.92
32S/13E-31H11	Oceano Blue	Paso Robles	7/6/2020	27.07	Manhole	Top Flush Mount	34.63	7.56
32S/13E-31H11	Oceano Blue	Paso Robles	4/7/2020	22.42	Manhole	Top Flush Mount	34.63	12.21
32S/13E-31H11	Oceano Blue	Paso Robles	1/7/2020	23.73	Manhole	Top Flush Mount	34.63	10.9
32S/13E-31H11	Oceano Blue	Paso Robles	10/9/2019	28.31	Manhole	Top Flush Mount	34.63	6.32
32S/13E-31H11	Oceano Blue	Paso Robles	7/9/2019	26.69	Manhole	Top Flush Mount	34.63	7.94
32S/13E-31H11	Oceano Blue	Paso Robles	4/9/2019	22.61	Manhole	Top Flush Mount	34.63	12.02
32S/13E-31H11	Oceano Blue	Paso Robles	1/8/2019	25.18	Manhole	Top Flush Mount	34.63	9.45
32S/13E-31H11	Oceano Blue	Paso Robles	10/9/2018	28.82	Manhole	Top Flush Mount	34.63	5.81
32S/13E-31H11	Oceano Blue	Paso Robles	7/10/2018	28.60	Manhole	Top Flush Mount	34.63	6.03
32S/13E-31H11	Oceano Blue	Paso Robles	4/10/2018	23.98	Manhole	Top Flush Mount	34.63	10.65
32S/13E-31H11	Oceano Blue	Paso Robles	1/10/2018	25.08	Manhole	Top Flush Mount	34.63	9.55
32S/13E-31H11	Oceano Blue	Paso Robles	10/10/2017	28.03	Manhole	Top Flush Mount	34.63	6.6
32S/13E-31H11	Oceano Blue	Paso Robles	7/11/2017	26.18	Manhole	Top Flush Mount	34.63	8.45
32S/13E-31H11	Oceano Blue	Paso Robles	4/11/2017	21.90	Manhole	Top Flush Mount	34.63	12.73
32S/13E-31H11	Oceano Blue	Paso Robles	1/10/2017	25.00	Manhole	Top Flush Mount	34.63	9.63
32S/13E-31H11	Oceano Blue	Paso Robles	10/12/2016	30.74	Manhole	Top Flush Mount	34.63	3.89
32S/13E-31H11	Oceano Blue	Paso Robles	7/19/2016	29.62	Manhole	Top Flush Mount	34.63	5.01
32S/13E-31H11	Oceano Blue	Paso Robles	4/12/2016	25.13	Manhole	Top Flush Mount	34.63	9.50
32S/13E-31H11	Oceano Blue	Paso Robles	1/12/2016	22.00	Manhole	Top of Casing	30.54	8.54
32S/13E-31H11	Oceano Blue	Paso Robles	10/13/2015	32.70	Manhole	Top Flush Mount	34.63	1.93
32S/13E-31H11	Oceano Blue	Paso Robles	7/14/2015	32.21	Manhole	Top Flush Mount	34.63	2.42
32S/13E-31H11	Oceano Blue	Paso Robles	4/14/2015	28.41	Manhole	Top Flush Mount	34.63	6.22
32S/13E-31H11	Oceano Blue	Paso Robles	1/13/2015	25.98	Manhole	Top Flush Mount	34.63	8.65
32S/13E-31H11	Oceano Blue	Paso Robles	10/14/2014	32.70	Manhole	Top Flush Mount	34.63	1.93
32S/13E-31H11	Oceano Blue	Paso Robles	7/29/2014	32.69	Manhole	Top Flush Mount	34.63	1.94
32S/13E-31H11	Oceano Blue	Paso Robles	6/4/2014	34.02	Manhole	Top Flush Mount	34.63	0.61
32S/13E-31H11	Oceano Blue	Paso Robles	4/15/2014	27.07	Manhole	Top Flush Mount	34.63	7.56
32S/13E-31H11	Oceano Blue	Paso Robles	1/14/2014	27.86	Manhole	Top Flush Mount	34.63	6.77
32S/13E-31H11	Oceano Blue	Paso Robles	10/14/2013	30.98	Manhole	Top Flush Mount	34.63	3.65
32S/13E-31H11	Oceano Blue	Paso Robles	7/9/2013	29.36	Manhole	Top Flush Mount	34.63	5.27
32S/13E-31H11	Oceano Blue	Paso Robles	4/10/2013	24.45	Manhole	Top Flush Mount	34.63	10.18
32S/13E-31H11	Oceano Blue	Paso Robles	1/14/2013	23.14	Manhole	Top Flush Mount	34.63	11.49
32S/13E-31H11	Oceano Blue	Paso Robles	10/30/2012	27.68	Manhole	Top Flush Mount	34.63	6.95
32S/13E-31H11	Oceano Blue	Paso Robles	7/25/2012	27.18	Manhole	Top Flush Mount	34.63	7.45
32S/13E-31H11	Oceano Blue	Paso Robles	4/18/2012	20.10	Manhole	Top Flush Mount	34.63	14.53
32S/13E-31H11	Oceano Blue	Paso Robles	1/12/2012	22.26	Manhole	Top Flush Mount	34.63	12.37
32S/13E-31H11	Oceano Blue	Paso Robles	11/21/2011	22.73	Manhole	Top Flush Mount	34.63	11.90
32S/13E-31H11	Oceano Blue	Paso Robles	7/26/2011	25.29	Manhole	Top Flush Mount	34.63	9.34
32S/13E-31H11	Oceano Blue	Paso Robles	4/20/2011	22.59	Manhole	Top Flush Mount	34.63	12.04
32S/13E-31H11	Oceano Blue	Paso Robles	1/24/2011	24.87	Manhole	Top Flush Mount	34.63	9.76
32S/13E-31H11	Oceano Blue	Paso Robles	10/21/2010	30.11	Manhole	Top of Casing	30.54	0.43
32S/13E-31H11	Oceano Blue	Paso Robles	7/26/2010	24.74	Manhole	Top of Casing	30.54	5.80
32S/13E-31H11	Oceano Blue	Paso Robles	4/26/2010	18.52	Manhole	Top of Casing	30.54	12.02

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-31H11	Oceano Blue	Paso Robles	1/27/2010	22.06	Manhole	Top of Casing	30.54	8.48
32S/13E-31H11	Oceano Blue	Paso Robles	10/20/2009	27.50	Manhole	Top of Casing	30.54	3.04
32S/13E-31H11	Oceano Blue	Paso Robles	8/19/2009	24.65	Manhole	Top of Casing	30.54	5.89
32S/13E-31H11	Oceano Blue	Paso Robles	4/7/2009	27.65	Manhole	Top of Casing	30.54	2.89
32S/13E-31H11	Oceano Blue	Paso Robles	10/15/2008	29.29	Manhole	Top of Casing	30.54	1.25
32S/13E-31H11	Oceano Blue	Paso Robles	4/16/2008	26.98	Manhole	Top of Casing	30.54	3.56
32S/13E-31H11	Oceano Blue	Paso Robles	10/18/2007	28.20	Manhole	Top of Casing	30.54	2.34
32S/13E-31H11	Oceano Blue	Paso Robles	4/18/2007	24.75	Manhole	Top of Casing	30.54	5.79
32S/13E-31H11	Oceano Blue	Paso Robles	10/16/2006	25.60	Manhole	Top of Casing	30.54	4.94
32S/13E-31H11	Oceano Blue	Paso Robles	4/11/2006	24.10	Manhole	Top of Casing	30.54	6.44
32S/13E-31H11	Oceano Blue	Paso Robles	10/31/2005	26.35	Manhole	Top of Casing	30.54	4.19
32S/13E-31H11	Oceano Blue	Paso Robles	10/5/2001	18.20	Manhole	Top of Casing	30.54	12.34
32S/13E-31H11	Oceano Blue	Paso Robles	4/25/2001	16.80	Manhole	Top of Casing	30.54	13.74
32S/13E-31H11	Oceano Blue	Paso Robles	10/4/2000	19.10	Manhole	Top of Casing	30.54	11.44
32S/13E-31H11	Oceano Blue	Paso Robles	4/14/2000	12.40	Manhole	Top of Casing	30.54	18.14
32S/13E-31H11	Oceano Blue	Paso Robles	10/27/1999	17.10	Manhole	Top of Casing	30.54	13.44
32S/13E-31H11	Oceano Blue	Paso Robles	10/21/1998	16.20	Manhole	Top of Casing	30.54	14.34
32S/13E-31H11	Oceano Blue	Paso Robles	4/23/1998	14.70	Manhole	Top of Casing	30.54	15.84
32S/13E-31H11	Oceano Blue	Paso Robles	10/22/1997	23.20	Manhole	Top of Casing	30.54	7.34
32S/13E-31H11	Oceano Blue	Paso Robles	4/28/1997	18.00	Manhole	Top of Casing	30.54	12.54
32S/13E-31H11	Oceano Blue	Paso Robles	4/16/1996	17.90	Manhole	Top of Casing	30.54	12.64
32S/13E-31H11	Oceano Blue	Paso Robles	10/4/1995	20.00	Manhole	Top of Casing	30.54	10.54
32S/13E-31H11	Oceano Blue	Paso Robles	4/7/1995	16.60	Manhole	Top of Casing	30.54	13.94
32S/13E-31H11	Oceano Blue	Paso Robles	4/13/1994	20.90	Manhole	Top of Casing	30.54	9.64
32S/13E-31H11	Oceano Blue	Paso Robles	10/5/1993	21.80	Manhole	Top of Casing	30.54	8.74
32S/13E-31H11	Oceano Blue	Paso Robles	4/6/1993	18.92	Manhole	Top of Casing	30.54	11.62
32S/13E-31H11	Oceano Blue	Paso Robles	10/14/1992	25.46	Manhole	Top of Casing	30.54	5.08
32S/13E-31H11	Oceano Blue	Paso Robles	4/14/1992	21.90	Manhole	Top of Casing	30.54	8.64
32S/13E-31H11	Oceano Blue	Paso Robles	10/7/1991	25.30	Manhole	Top of Casing	30.54	5.24
32S/13E-31H11	Oceano Blue	Paso Robles	4/4/1991	24.10	Manhole	Top of Casing	30.54	6.44
32S/13E-31H11	Oceano Blue	Paso Robles	10/4/1990	27.00	Manhole	Top of Casing	30.54	3.54
32S/13E-31H11	Oceano Blue	Paso Robles	4/11/1990	22.50	Manhole	Top of Casing	30.54	8.04
32S/13E-31H11	Oceano Blue	Paso Robles	10/4/1989	23.70	Manhole	Top of Casing	30.54	6.84
32S/13E-31H11	Oceano Blue	Paso Robles	10/13/1984	23.30	Manhole	Top of Casing	30.54	7.24
32S/13E-31H11	Oceano Blue	Paso Robles	10/3/1984	23.30	Manhole	Top of Casing	30.54	7.24
32S/13E-31H11	Oceano Blue	Paso Robles	10/14/1983	16.18	Manhole	Top of Casing	30.54	14.36
32S/13E-31H11	Oceano Blue	Paso Robles	5/16/1983	13.30	Manhole	Top of Casing	30.54	17.24

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-31H12	Oceano Silver	Careaga	10/7/2020	28.34	Manhole	Top Flush Mount	34.63	6.29
32S/13E-31H12	Oceano Silver	Careaga	7/6/2020	24.92	Manhole	Top Flush Mount	34.63	9.71
32S/13E-31H12	Oceano Silver	Careaga	4/7/2020	21.35	Manhole	Top Flush Mount	34.63	13.28
32S/13E-31H12	Oceano Silver	Careaga	1/7/2020	22.71	Manhole	Top Flush Mount	34.63	11.92
32S/13E-31H12	Oceano Silver	Careaga	10/9/2019	26.50	Manhole	Top Flush Mount	34.63	8.13
32S/13E-31H12	Oceano Silver	Careaga	7/9/2019	24.59	Manhole	Top Flush Mount	34.63	10.04
32S/13E-31H12	Oceano Silver	Careaga	4/9/2019	27.90	Manhole	Top Flush Mount	34.63	6.73
32S/13E-31H12	Oceano Silver	Careaga	1/8/2019	28.15	Manhole	Top Flush Mount	34.63	6.48
32S/13E-31H12	Oceano Silver	Careaga	10/9/2018	39.15	Manhole	Top Flush Mount	34.63	-4.52
32S/13E-31H12	Oceano Silver	Careaga	7/10/2018	28.92	Manhole	Top Flush Mount	34.63	5.71
32S/13E-31H12	Oceano Silver	Careaga	4/10/2018	23.50	Manhole	Top Flush Mount	34.63	11.13
32S/13E-31H12	Oceano Silver	Careaga	1/10/2018	23.90	Manhole	Top Flush Mount	34.63	10.73
32S/13E-31H12	Oceano Silver	Careaga	10/10/2017	28.06	Manhole	Top Flush Mount	34.63	6.57
32S/13E-31H12	Oceano Silver	Careaga	7/11/2017	24.09	Manhole	Top Flush Mount	34.63	10.54
32S/13E-31H12	Oceano Silver	Careaga	4/11/2017	21.14	Manhole	Top Flush Mount	34.63	13.49
32S/13E-31H12	Oceano Silver	Careaga	1/10/2017	24.80	Manhole	Top Flush Mount	34.63	9.83
32S/13E-31H12	Oceano Silver	Careaga	10/12/2016	31.00	Manhole	Top Flush Mount	34.63	3.63
32S/13E-31H12	Oceano Silver	Careaga	7/19/2016	26.95	Manhole	Top of Casing	30.48	3.53
32S/13E-31H12	Oceano Silver	Careaga	4/12/2016	25.32	Manhole	Top Flush Mount	34.63	9.31
32S/13E-31H12	Oceano Silver	Careaga	1/12/2016	21.44	Manhole	Top of Casing	30.48	9.04
32S/13E-31H12	Oceano Silver	Careaga	10/13/2015	32.30	Manhole	Top Flush Mount	34.63	2.33
32S/13E-31H12	Oceano Silver	Careaga	7/14/2015	32.58	Manhole	Top Flush Mount	34.63	2.05
32S/13E-31H12	Oceano Silver	Careaga	4/14/2015	30.38	Manhole	Top Flush Mount	34.63	4.25
32S/13E-31H12	Oceano Silver	Careaga	1/13/2015	26.19	Manhole	Top Flush Mount	34.63	8.44
32S/13E-31H12	Oceano Silver	Careaga	10/14/2014	43.01	Manhole	Top Flush Mount	34.63	-8.38
32S/13E-31H12	Oceano Silver	Careaga	7/29/2014	33.65	Manhole	Top Flush Mount	34.63	0.98
32S/13E-31H12	Oceano Silver	Careaga	6/4/2014	36.33	Manhole	Top Flush Mount	34.63	-1.70
32S/13E-31H12	Oceano Silver	Careaga	4/15/2014	42.20	Manhole	Top Flush Mount	34.63	-7.57
32S/13E-31H12	Oceano Silver	Careaga	1/14/2014	27.78	Manhole	Top Flush Mount	34.63	6.85
32S/13E-31H12	Oceano Silver	Careaga	10/14/2013	30.92	Manhole	Top Flush Mount	34.63	3.71
32S/13E-31H12	Oceano Silver	Careaga	7/9/2013	30.91	Manhole	Top Flush Mount	34.63	3.72
32S/13E-31H12	Oceano Silver	Careaga	4/10/2013	26.08	Manhole	Top Flush Mount	34.63	8.55
32S/13E-31H12	Oceano Silver	Careaga	1/14/2013	23.12	Manhole	Top Flush Mount	34.63	11.51
32S/13E-31H12	Oceano Silver	Careaga	10/30/2012	27.14	Manhole	Top Flush Mount	34.63	7.49
32S/13E-31H12	Oceano Silver	Careaga	7/25/2012	27.68	Manhole	Top Flush Mount	34.63	6.95
32S/13E-31H12	Oceano Silver	Careaga	4/18/2012	20.13	Manhole	Top Flush Mount	34.63	14.5
32S/13E-31H12	Oceano Silver	Careaga	1/11/2012	23.00	Manhole	Top Flush Mount	34.63	11.63
32S/13E-31H12	Oceano Silver	Careaga	11/21/2011	22.85	Manhole	Top Flush Mount	34.63	11.78
32S/13E-31H12	Oceano Silver	Careaga	7/26/2011	25.23	Manhole	Top Flush Mount	34.63	9.4
32S/13E-31H12	Oceano Silver	Careaga	4/20/2011	21.27	Manhole	Top Flush Mount	34.63	13.36
32S/13E-31H12	Oceano Silver	Careaga	1/24/2011	22.02	Manhole	Top Flush Mount	34.63	12.61
32S/13E-31H12	Oceano Silver	Careaga	10/21/2010	29.11	Manhole	Top Flush Mount	34.63	5.52
32S/13E-31H12	Oceano Silver	Careaga	7/26/2010	24.24	Manhole	Well Casing	30.48	6.24
32S/13E-31H12	Oceano Silver	Careaga	4/26/2010	19.04	Manhole	Well Casing	30.48	11.44

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-31H12	Oceano Silver	Careaga	1/27/2010	21.05	Manhole	Well Casing	30.48	9.43
32S/13E-31H12	Oceano Silver	Careaga	10/20/2009	27.52	Manhole	Well Casing	30.48	2.96
32S/13E-31H12	Oceano Silver	Careaga	8/19/2009	29.34	Manhole	Well Casing	30.48	1.14
32S/13E-31H12	Oceano Silver	Careaga	4/7/2009	31.32	Manhole	Well Casing	30.48	-0.84
32S/13E-31H12	Oceano Silver	Careaga	10/15/2008	41.62	Manhole	Well Casing	30.48	-11.14
32S/13E-31H12	Oceano Silver	Careaga	4/16/2008	29.70	Manhole	Well Casing	30.48	0.78
32S/13E-31H12	Oceano Silver	Careaga	10/19/2007	33.15	Manhole	Well Casing	30.48	-2.67
32S/13E-31H12	Oceano Silver	Careaga	4/18/2007	26.30	Manhole	Well Casing	30.48	4.18
32S/13E-31H12	Oceano Silver	Careaga	10/16/2006	27.30	Manhole	Well Casing	30.48	3.18
32S/13E-31H12	Oceano Silver	Careaga	4/11/2006	22.70	Manhole	Well Casing	30.48	7.78
32S/13E-31H12	Oceano Silver	Careaga	10/31/2005	30.10	Manhole	Well Casing	30.48	0.38
32S/13E-31H12	Oceano Silver	Careaga	10/5/2001	18.10	Manhole	Well Casing	30.48	12.38
32S/13E-31H12	Oceano Silver	Careaga	4/25/2001	15.90	Manhole	Well Casing	30.48	14.58
32S/13E-31H12	Oceano Silver	Careaga	10/4/2000	21.60	Manhole	Well Casing	30.48	8.88
32S/13E-31H12	Oceano Silver	Careaga	4/14/2000	17.00	Manhole	Well Casing	30.48	13.48
32S/13E-31H12	Oceano Silver	Careaga	10/27/1999	24.10	Manhole	Well Casing	30.48	6.38
32S/13E-31H12	Oceano Silver	Careaga	10/21/1998	26.60	Manhole	Well Casing	30.48	3.88
32S/13E-31H12	Oceano Silver	Careaga	4/23/1998	16.80	Manhole	Well Casing	30.48	13.68
32S/13E-31H12	Oceano Silver	Careaga	10/22/1997	32.20	Manhole	Well Casing	30.48	-1.72
32S/13E-31H12	Oceano Silver	Careaga	4/28/1997	33.50	Manhole	Well Casing	30.48	-3.02
32S/13E-31H12	Oceano Silver	Careaga	4/16/1996	29.20	Manhole	Well Casing	30.48	1.28
32S/13E-31H12	Oceano Silver	Careaga	10/4/1995	34.90	Manhole	Well Casing	30.48	-4.42
32S/13E-31H12	Oceano Silver	Careaga	4/7/1995	29.50	Manhole	Well Casing	30.48	0.98
32S/13E-31H12	Oceano Silver	Careaga	4/13/1994	35.30	Manhole	Well Casing	30.48	-4.82
32S/13E-31H12	Oceano Silver	Careaga	10/5/1993	28.30	Manhole	Well Casing	30.48	2.18
32S/13E-31H12	Oceano Silver	Careaga	4/6/1993	19.47	Manhole	Well Casing	30.48	11.01
32S/13E-31H12	Oceano Silver	Careaga	10/14/1992	30.34	Manhole	Well Casing	30.48	0.14
32S/13E-31H12	Oceano Silver	Careaga	4/14/1992	25.23	Manhole	Well Casing	30.48	5.25
32S/13E-31H12	Oceano Silver	Careaga	10/7/1991	30.50	Manhole	Well Casing	30.48	-0.02
32S/13E-31H12	Oceano Silver	Careaga	4/4/1991	23.12	Manhole	Well Casing	30.48	7.36
32S/13E-31H12	Oceano Silver	Careaga	10/4/1990	29.70	Manhole	Well Casing	30.48	0.78
32S/13E-31H12	Oceano Silver	Careaga	4/11/1990	44.00	Manhole	Well Casing	30.48	-13.52
32S/13E-31H12	Oceano Silver	Careaga	10/4/1989	25.80	Manhole	Well Casing	30.48	4.68
32S/13E-31H12	Oceano Silver	Careaga	10/3/1984	26.80	Manhole	Well Casing	30.48	3.68
32S/13E-31H12	Oceano Silver	Careaga	5/16/1983	13.50	Manhole	Well Casing	30.48	16.98

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-31H13	Oceano Yellow	Careaga	10/7/2020	28.13	Manhole	Top Flush Mount	34.63	6.5
32S/13E-31H13	Oceano Yellow	Careaga	7/6/2020	24.64	Manhole	Top Flush Mount	34.63	9.99
32S/13E-31H13	Oceano Yellow	Careaga	4/7/2020	21.03	Manhole	Top Flush Mount	34.63	13.6
32S/13E-31H13	Oceano Yellow	Careaga	1/7/2020	22.63	Manhole	Top Flush Mount	34.63	12
32S/13E-31H13	Oceano Yellow	Careaga	10/9/2019	26.35	Manhole	Top Flush Mount	34.63	8.28
32S/13E-31H13	Oceano Yellow	Careaga	7/9/2019	24.47	Manhole	Top Flush Mount	34.63	10.16
32S/13E-31H13	Oceano Yellow	Careaga	4/9/2019	28.05	Manhole	Top Flush Mount	34.63	6.58
32S/13E-31H13	Oceano Yellow	Careaga	1/8/2019	28.35	Manhole	Top Flush Mount	34.63	6.28
32S/13E-31H13	Oceano Yellow	Careaga	10/9/2018	37.38	Manhole	Top Flush Mount	34.63	-2.75
32S/13E-31H13	Oceano Yellow	Careaga	7/10/2018	28.90	Manhole	Top Flush Mount	34.63	5.73
32S/13E-31H13	Oceano Yellow	Careaga	4/10/2018	23.55	Manhole	Top Flush Mount	34.63	11.08
32S/13E-31H13	Oceano Yellow	Careaga	1/10/2018	23.85	Manhole	Top Flush Mount	34.63	10.78
32S/13E-31H13	Oceano Yellow	Careaga	10/10/2017	27.96	Manhole	Top Flush Mount	34.63	6.67
32S/13E-31H13	Oceano Yellow	Careaga	7/11/2017	23.68	Manhole	Top Flush Mount	34.63	10.95
32S/13E-31H13	Oceano Yellow	Careaga	4/11/2017	21.18	Manhole	Top Flush Mount	34.63	13.45
32S/13E-31H13	Oceano Yellow	Careaga	1/10/2017	24.79	Manhole	Top Flush Mount	34.63	9.84
32S/13E-31H13	Oceano Yellow	Careaga	10/12/2016	30.91	Manhole	Top Flush Mount	34.63	3.72
32S/13E-31H13	Oceano Yellow	Careaga	7/19/2016	29.58	Manhole	Top Flush Mount	34.63	5.05
32S/13E-31H13	Oceano Yellow	Careaga	4/12/2016	25.25	Manhole	Top Flush Mount	34.63	9.38
32S/13E-31H13	Oceano Yellow	Careaga	1/12/2016	21.66	Manhole	Top of Casing	30.52	8.86
32S/13E-31H13	Oceano Yellow	Careaga	10/13/2015	32.28	Manhole	Top Flush Mount	34.63	2.35
32S/13E-31H13	Oceano Yellow	Careaga	7/14/2015	32.60	Manhole	Top Flush Mount	34.63	2.03
32S/13E-31H13	Oceano Yellow	Careaga	4/14/2015	30.42	Manhole	Top Flush Mount	34.63	4.21
32S/13E-31H13	Oceano Yellow	Careaga	1/13/2015	26.32	Manhole	Top Flush Mount	34.63	8.31
32S/13E-31H13	Oceano Yellow	Careaga	10/14/2014	41.12	Manhole	Top Flush Mount	34.63	-6.49
32S/13E-31H13	Oceano Yellow	Careaga	7/29/2014	33.72	Manhole	Top Flush Mount	34.63	0.91
32S/13E-31H13	Oceano Yellow	Careaga	6/4/2014	36.55	Manhole	Top Flush Mount	34.63	-1.92
32S/13E-31H13	Oceano Yellow	Careaga	4/15/2014	39.06	Manhole	Top Flush Mount	34.63	-4.43
32S/13E-31H13	Oceano Yellow	Careaga	1/14/2014	27.80	Manhole	Top Flush Mount	34.63	6.83
32S/13E-31H13	Oceano Yellow	Careaga	10/14/2013	30.83	Manhole	Top Flush Mount	34.63	3.80
32S/13E-31H13	Oceano Yellow	Careaga	7/9/2013	30.41	Manhole	Top Flush Mount	34.63	4.22
32S/13E-31H13	Oceano Yellow	Careaga	4/10/2013	26.09	Manhole	Top Flush Mount	34.63	8.54
32S/13E-31H13	Oceano Yellow	Careaga	1/14/2013	23.25	Manhole	Top Flush Mount	34.63	11.38
32S/13E-31H13	Oceano Yellow	Careaga	10/30/2012	27.23	Manhole	Top Flush Mount	34.63	7.40
32S/13E-31H13	Oceano Yellow	Careaga	7/25/2012	27.69	Manhole	Top Flush Mount	34.63	6.94
32S/13E-31H13	Oceano Yellow	Careaga	4/18/2012	20.05	Manhole	Top Flush Mount	34.63	14.58
32S/13E-31H13	Oceano Yellow	Careaga	1/12/2012	23.08	Manhole	Top Flush Mount	34.63	11.55
32S/13E-31H13	Oceano Yellow	Careaga	11/21/2011	22.98	Manhole	Top Flush Mount	34.63	11.65
32S/13E-31H13	Oceano Yellow	Careaga	7/26/2011	26.73	Manhole	Top Flush Mount	34.63	7.90
32S/13E-31H13	Oceano Yellow	Careaga	4/20/2011	21.30	Manhole	Top Flush Mount	34.63	13.33
32S/13E-31H13	Oceano Yellow	Careaga	1/24/2011	22.01	Manhole	Top Flush Mount	34.63	12.62
32S/13E-31H13	Oceano Yellow	Careaga	10/21/2010	28.22	Manhole	Well Casing	30.52	2.30
32S/13E-31H13	Oceano Yellow	Careaga	7/26/2010	25.50	Manhole	Well Casing	30.52	5.02
32S/13E-31H13	Oceano Yellow	Careaga	4/26/2010	19.17	Manhole	Well Casing	30.52	11.35

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
32S/13E-31H13	Oceano Yellow	Careaga	1/27/2010	20.58	Manhole	Well Casing	30.52	9.94
32S/13E-31H13	Oceano Yellow	Careaga	10/20/2009	25.80	Manhole	Well Casing	30.52	4.72
32S/13E-31H13	Oceano Yellow	Careaga	8/19/2009	31.04	Manhole	Well Casing	30.52	-0.52
32S/13E-31H13	Oceano Yellow	Careaga	4/7/2009	34.78	Manhole	Well Casing	30.52	-4.26
32S/13E-31H13	Oceano Yellow	Careaga	10/15/2008	37.72	Manhole	Well Casing	30.52	-7.20
32S/13E-31H13	Oceano Yellow	Careaga	4/16/2008	29.80	Manhole	Well Casing	30.52	0.72
32S/13E-31H13	Oceano Yellow	Careaga	10/19/2007	33.95	Manhole	Well Casing	30.52	-3.43
32S/13E-31H13	Oceano Yellow	Careaga	4/18/2007	27.50	Manhole	Well Casing	30.52	3.02
32S/13E-31H13	Oceano Yellow	Careaga	10/16/2006	27.50	Manhole	Well Casing	30.52	3.02
32S/13E-31H13	Oceano Yellow	Careaga	4/11/2006	26.85	Manhole	Well Casing	30.52	3.67
32S/13E-31H13	Oceano Yellow	Careaga	10/31/2005	28.05	Manhole	Well Casing	30.52	2.47
32S/13E-31H13	Oceano Yellow	Careaga	10/5/2001	22.80	Manhole	Well Casing	30.52	7.72
32S/13E-31H13	Oceano Yellow	Careaga	4/25/2001	22.60	Manhole	Well Casing	30.52	7.92
32S/13E-31H13	Oceano Yellow	Careaga	10/4/2000	26.50	Manhole	Well Casing	30.52	4.02
32S/13E-31H13	Oceano Yellow	Careaga	10/27/1999	34.80	Manhole	Well Casing	30.52	-4.28
32S/13E-31H13	Oceano Yellow	Careaga	10/21/1998	24.80	Manhole	Well Casing	30.52	5.72
32S/13E-31H13	Oceano Yellow	Careaga	4/23/1998	21.60	Manhole	Well Casing	30.52	8.92
32S/13E-31H13	Oceano Yellow	Careaga	10/22/1997	30.20	Manhole	Well Casing	30.52	0.32
32S/13E-31H13	Oceano Yellow	Careaga	4/28/1997	25.60	Manhole	Well Casing	30.52	4.92
32S/13E-31H13	Oceano Yellow	Careaga	4/16/1996	23.80	Manhole	Well Casing	30.52	6.72
32S/13E-31H13	Oceano Yellow	Careaga	10/4/1995	25.90	Manhole	Well Casing	30.52	4.62
32S/13E-31H13	Oceano Yellow	Careaga	4/7/1995	22.40	Manhole	Well Casing	30.52	8.12
32S/13E-31H13	Oceano Yellow	Careaga	4/13/1994	26.50	Manhole	Well Casing	30.52	4.02
32S/13E-31H13	Oceano Yellow	Careaga	10/5/1993	31.10	Manhole	Well Casing	30.52	-0.58
32S/13E-31H13	Oceano Yellow	Careaga	4/6/1993	26.90	Manhole	Well Casing	30.52	3.62
32S/13E-31H13	Oceano Yellow	Careaga	10/14/1992	34.05	Manhole	Well Casing	30.52	-3.53
32S/13E-31H13	Oceano Yellow	Careaga	4/14/1992	24.90	Manhole	Well Casing	30.52	5.62
32S/13E-31H13	Oceano Yellow	Careaga	10/7/1991	31.20	Manhole	Well Casing	30.52	-0.68
32S/13E-31H13	Oceano Yellow	Careaga	4/4/1991	24.60	Manhole	Well Casing	30.52	5.92
32S/13E-31H13	Oceano Yellow	Careaga	10/4/1990	34.20	Manhole	Well Casing	30.52	-3.68
32S/13E-31H13	Oceano Yellow	Careaga	4/11/1990	26.10	Manhole	Well Casing	30.52	4.42
32S/13E-31H13	Oceano Yellow	Careaga	10/4/1989	30.40	Manhole	Well Casing	30.52	0.12
32S/13E-31H13	Oceano Yellow	Careaga	10/3/1984	26.60	Manhole	Well Casing	30.52	3.92
32S/13E-31H13	Oceano Yellow	Careaga	5/16/1983	14.30	Manhole	Well Casing	30.52	16.22

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/7/2020	21.30	Stove Pipe	Top of Steel	26.77	5.47
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/7/2020	18.35	Stove Pipe	Top of Steel	26.77	8.42
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/7/2020	19.02	Stove Pipe	Top of Steel	26.77	7.75
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/9/2019	20.85	Stove Pipe	Top of Steel	26.77	5.92
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/9/2019	20.39	Stove Pipe	Top of Steel	26.77	6.38
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/9/2019	19.93	Stove Pipe	Top of Steel	26.77	6.84
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/8/2019	19.00	Stove Pipe	Top of Steel	26.77	7.77
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/9/2018	20.80	Stove Pipe	Top of Steel	26.77	5.97
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/10/2018	20.74	Stove Pipe	Top of Steel	26.77	6.03
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/10/2018	19.11	Stove Pipe	Top of Steel	26.77	7.66
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/10/2018	19.32	Stove Pipe	Top of Steel	26.77	7.45
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/10/2017	21.23	Stove Pipe	Top of Steel	26.77	5.54
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/11/2017	21.59	Stove Pipe	Top of Steel	26.77	5.18
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/11/2017	19.38	Stove Pipe	Top of Steel	26.77	7.39
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/10/2017	19.70	Stove Pipe	Top of Steel	26.77	7.07
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/12/2016	21.86	Stove Pipe	Top of Steel	26.77	4.91
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/19/2016	22.21	Stove Pipe	Top of Steel	26.77	4.56
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/12/2016	20.56	Stove Pipe	Top of Steel	26.77	6.21
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/12/2016	18.76	Stove Pipe	Top of Steel	26.77	8.01
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/13/2015	22.14	Stove Pipe	Top of Steel	26.77	4.63
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/14/2015	21.84	Stove Pipe	Top of Steel	26.77	4.93
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/14/2015	21.18	Stove Pipe	Top of Steel	26.77	5.59
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/13/2015	19.89	Stove Pipe	Top of Steel	26.77	6.88
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/14/2014	21.75	Stove Pipe	Top of Steel	26.77	5.02
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/29/2014	21.57	Stove Pipe	Top of Steel	26.77	5.20
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	6/4/2014	22.36	Stove Pipe	Top of Steel	26.77	4.41
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/15/2014	19.89	Stove Pipe	Top of Steel	26.77	6.88
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/14/2014	20.38	Stove Pipe	Top of Steel	26.77	6.39
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/14/2013	21.71	Stove Pipe	Top of Steel	26.77	5.06
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/9/2013	21.37	Stove Pipe	Top of Steel	26.77	5.4
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/10/2013	20.10	Stove Pipe	Top of Steel	26.77	6.67
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/14/2013	18.62	Stove Pipe	Top of Steel	26.77	8.15
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/31/2012	20.11	Stove Pipe	Top of Steel	26.77	6.66
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/24/2012	19.42	Stove Pipe	Top of Steel	26.77	7.35
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/20/2012	18.26	Stove Pipe	Top of Steel	26.77	8.51
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/18/2012	23.83	Stove Pipe	Top of Steel	26.77	2.94
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/11/2012	17.68	Stove Pipe	Top of Steel	26.77	9.09
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	11/21/2011	18.08	Stove Pipe	Top of Steel	26.77	8.69
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/26/2011	19.63	Stove Pipe	Top of Steel	26.77	7.14
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/20/2011	18.26	Stove Pipe	Top of Steel	26.77	8.51
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/24/2011	17.61	Stove Pipe	Top of Steel	26.77	9.16
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/21/2010	20.75	Stove Pipe	Top of Steel	26.77	6.02
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	7/27/2010	21.18	Stove Pipe	Top of Steel	26.77	5.59
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/26/2010	15.94	Flush	Top Flush Mount	23.98	8.04

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/21/2009	17.72	Flush	Top Flush Mount	23.98	6.26
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	8/20/2009	19.16	Flush	Top Flush Mount	23.98	4.82
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	5/11/2009	17.68	Flush	Top Flush Mount	23.98	6.30
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/18/2009	15.95	Flush	Top Flush Mount	23.98	8.03
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/23/2008	18.75	Flush	Top Flush Mount	23.98	5.23
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/23/2008	16.87	Flush	Top Flush Mount	23.98	7.11
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/18/2007	17.80	Flush	Top Flush Mount	23.98	6.18
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/18/2007	16.45	Flush	Top Flush Mount	23.98	7.53
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/12/2006	16.44	Flush	Top Flush Mount	23.98	7.54
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/20/2006	15.40	Flush	Top Flush Mount	23.98	8.58
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/28/2005	16.56	Flush	Top Flush Mount	23.98	7.42
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/29/2005	16.60	Flush	Top Flush Mount	23.98	7.38
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/15/2004	17.00	Flush	Top Flush Mount	23.98	6.98
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/29/2004	15.00	Flush	Top Flush Mount	23.98	8.98
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/28/2003	15.43	Flush	Top Flush Mount	23.98	8.55
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/17/2002	17.20	Flush	Top Flush Mount	23.98	6.78
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/18/2002	17.10	Flush	Top Flush Mount	23.98	6.88
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/5/2001	15.70	Flush	Top Flush Mount	23.98	8.28
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/24/2001	14.60	Flush	Top Flush Mount	23.98	9.38
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/13/2000	15.50	Flush	Top Flush Mount	23.98	8.48
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/28/2000	15.40	Flush	Top Flush Mount	23.98	8.58
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/29/1998	16.32	Flush	Top Flush Mount	23.98	7.66
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/26/1996	18.10	Flush	Top Flush Mount	23.98	5.88
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/24/1996	17.40	Flush	Top Flush Mount	23.98	6.58
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/19/1995	15.45	Flush	Top Flush Mount	23.98	8.53
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	11/1/1994	18.40	Flush	Top Flush Mount	23.98	5.58
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/11/1994	16.60	Flush	Top Flush Mount	23.98	7.38
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/20/1993	17.55	Flush	Top Flush Mount	23.98	6.43
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	5/3/1993	17.00	Flush	Top Flush Mount	23.98	6.98
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/20/1993	16.30	Flush	Top Flush Mount	23.98	7.68
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	11/4/1992	17.95	Flush	Top Flush Mount	23.98	6.03
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/30/1992	16.80	Flush	Top Flush Mount	23.98	7.18
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/11/1991	17.54	Flush	Top Flush Mount	23.98	6.44
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/19/1991	17.78	Flush	Top Flush Mount	23.98	6.20
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/11/1990	18.91	Flush	Top Flush Mount	23.98	5.07
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/24/1990	17.38	Flush	Top Flush Mount	23.98	6.60
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/12/1989	17.69	Flush	Top Flush Mount	23.98	6.29
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/20/1989	17.02	Flush	Top Flush Mount	23.98	6.96
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/25/1988	17.24	Flush	Top Flush Mount	23.98	6.74
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/21/1988	17.42	Flush	Top Flush Mount	23.98	6.56
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/19/1987	16.81	Flush	Top Flush Mount	23.98	7.17
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	8/5/1987	18.00	Flush	Top Flush Mount	23.98	5.98
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/13/1987	15.39	Flush	Top Flush Mount	23.98	8.59
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/31/1986	16.10	Flush	Top Flush Mount	23.98	7.88

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/27/1986	16.61	Flush	Top Flush Mount	23.98	7.37
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/4/1985	15.90	Flush	Top Flush Mount	23.98	8.08
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/24/1984	16.82	Flush	Top Flush Mount	23.98	7.16
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	5/4/1982	14.80	Flush	Top Flush Mount	23.98	9.18
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/19/1981	16.78	Flush	Top Flush Mount	23.98	7.20
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/21/1981	15.00	Flush	Top Flush Mount	23.98	8.98
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/20/1980	17.10	Flush	Top Flush Mount	23.98	6.88
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	10/10/1980	17.10	Flush	Top Flush Mount	23.98	6.88
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	12/11/1979	16.50	Flush	Top Flush Mount	23.98	7.48
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	11/13/1979	16.40	Flush	Top Flush Mount	23.98	7.58
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	4/16/1979	15.25	Flush	Top Flush Mount	23.98	8.73
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	12/4/1978	14.84	Flush	Top Flush Mount	23.98	9.14
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	5/4/1978	15.10	Flush	Top Flush Mount	23.98	8.88
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	11/7/1977	18.05	Flush	Top Flush Mount	23.98	5.93
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	5/17/1977	17.23	Flush	Top Flush Mount	23.98	6.75
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	6/8/1976	19.15	Flush	Top Flush Mount	23.98	4.83
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/14/1976	16.83	Flush	Top Flush Mount	23.98	7.15
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	1/8/1976	13.70	Flush	Top Flush Mount	23.98	10.28
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	12/25/1975	16.40	Flush	Top Flush Mount	23.98	7.58
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	12/25/1975	16.20	Flush	Top Flush Mount	23.98	7.78
12N/36W-36L01	Oceano Dunes Middle	Paso Robles	11/25/1975	16.20	Flush	Top Flush Mount	23.98	7.78

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/7/2020	25.28	Stove Pipe	Top of Steel	26.77	1.50
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/7/2020	14.90	Stove Pipe	Top of Steel	26.77	11.88
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/7/2020	15.06	Stove Pipe	Top of Steel	26.77	11.71
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/9/2019	24.32	Stove Pipe	Top of Steel	26.77	2.45
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/9/2019	21.30	Stove Pipe	Top of Steel	26.77	5.47
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/9/2019	15.72	Stove Pipe	Top of Steel	26.77	11.05
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/8/2019	17.45	Stove Pipe	Top of Steel	26.77	9.32
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/9/2018	25.10	Stove Pipe	Top of Steel	26.77	1.67
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/10/2018	24.11	Stove Pipe	Top of Steel	26.77	2.66
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/10/2018	16.02	Stove Pipe	Top of Steel	26.77	10.75
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/10/2018	19.11	Stove Pipe	Top of Steel	26.77	7.66
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/10/2017	24.70	Stove Pipe	Top of Steel	26.77	2.07
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/11/2017	23.65	Stove Pipe	Top of Steel	26.77	3.12
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/10/2017	15.00	Stove Pipe	Top of Steel	26.77	11.77
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/10/2017	16.15	Stove Pipe	Top of Steel	26.77	10.62
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/12/2016	27.86	Stove Pipe	Top of Steel	26.77	-1.09
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/19/2016	25.76	Stove Pipe	Top of Steel	26.77	1.01
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/12/2016	18.43	Stove Pipe	Top of Steel	26.77	8.34
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/12/2016	16.27	Stove Pipe	Top of Steel	26.77	10.50
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/13/2015	27.17	Stove Pipe	Top of Steel	26.77	-0.40
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/14/2015	26.11	Stove Pipe	Top of Steel	26.77	0.66
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/14/2015	22.24	Stove Pipe	Top of Steel	26.77	4.53
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/13/2015	16.91	Stove Pipe	Top of Steel	26.77	9.86
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/14/2014	26.30	Stove Pipe	Top of Steel	26.77	0.47
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/29/2014	25.64	Stove Pipe	Top of Steel	26.77	1.13
12N/36W-36L02	Oceano Dunes Deep	Careaga	6/4/2014	25.22	Stove Pipe	Top of Steel	26.77	1.55
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/15/2014	16.94	Stove Pipe	Top of Steel	26.77	9.83
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/14/2014	18.76	Stove Pipe	Top of Steel	26.77	8.01
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/14/2013	23.94	Stove Pipe	Top of Steel	26.77	2.83
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/9/2013	23.15	Stove Pipe	Top of Steel	26.77	3.62
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/10/2013	15.35	Stove Pipe	Top of Steel	26.77	11.42
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/14/2013	11.24	Stove Pipe	Top of Steel	26.77	15.53
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/31/2012	18.81	Stove Pipe	Top of Steel	26.77	7.96
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/24/2012	19.05	Stove Pipe	Top of Steel	26.77	7.72
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/18/2012	10.81	Stove Pipe	Top of Steel	26.77	15.96
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/11/2012	11.18	Stove Pipe	Top of Steel	26.77	15.59
12N/36W-36L02	Oceano Dunes Deep	Careaga	11/21/2011	13.99	Stove Pipe	Top of Steel	26.77	12.78
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/26/2011	18.03	Stove Pipe	Top of Steel	26.77	8.74
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/24/2011	9.37	Stove Pipe	Top of Steel	26.77	17.40
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/21/2010	19.77	Stove Pipe	Top of Steel	26.77	7.00
12N/36W-36L02	Oceano Dunes Deep	Careaga	7/27/2010	20.53	Stove Pipe	Top of Steel	26.77	6.24
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/26/2010	9.24	Flush	Top Flush Mount	23.98	14.74
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/21/2009	17.65	Flush	Top Flush Mount	23.98	6.33
12N/36W-36L02	Oceano Dunes Deep	Careaga	8/20/2009	19.15	Flush	Top Flush Mount	23.98	4.83

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
12N/36W-36L02	Oceano Dunes Deep	Careaga	5/11/2009	14.38	Flush	Top Flush Mount	23.98	9.60
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/23/2008	18.73	Flush	Top Flush Mount	23.98	5.25
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/23/2008	11.55	Flush	Top Flush Mount	23.98	12.43
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/18/2007	17.70	Flush	Top Flush Mount	23.98	6.28
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/18/2007	10.30	Flush	Top Flush Mount	23.98	13.68
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/12/2006	14.36	Flush	Top Flush Mount	23.98	9.62
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/20/2006	3.41	Flush	Top Flush Mount	23.98	20.57
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/28/2005	14.10	Flush	Top Flush Mount	23.98	9.88
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/29/2005	6.50	Flush	Top Flush Mount	23.98	17.48
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/15/2004	16.57	Flush	Top Flush Mount	23.98	7.41
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/29/2004	3.80	Flush	Top Flush Mount	23.98	20.18
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/28/2003	11.73	Flush	Top Flush Mount	23.98	12.25
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/17/2002	12.00	Flush	Top Flush Mount	23.98	11.98
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/18/2002	5.80	Flush	Top Flush Mount	23.98	18.18
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/5/2001	9.80	Flush	Top Flush Mount	23.98	14.18
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/24/2001	1.80	Flush	Top Flush Mount	23.98	22.18
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/13/2000	9.00	Flush	Top Flush Mount	23.98	14.98
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/28/2000	3.40	Flush	Top Flush Mount	23.98	20.58
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/23/1999	10.80	Flush	Top Flush Mount	23.98	13.18
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/29/1998	10.19	Flush	Top Flush Mount	23.98	13.79
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/24/1996	13.80	Flush	Top Flush Mount	23.98	10.18
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/26/1995	14.50	Flush	Top Flush Mount	23.98	9.48
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/19/1995	6.25	Flush	Top Flush Mount	23.98	17.73
12N/36W-36L02	Oceano Dunes Deep	Careaga	11/1/1994	15.50	Flush	Top Flush Mount	23.98	8.48
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/11/1994	9.38	Flush	Top Flush Mount	23.98	14.60
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/20/1993	16.10	Flush	Top Flush Mount	23.98	7.88
12N/36W-36L02	Oceano Dunes Deep	Careaga	5/3/1993	11.60	Flush	Top Flush Mount	23.98	12.38
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/20/1993	9.50	Flush	Top Flush Mount	23.98	14.48
12N/36W-36L02	Oceano Dunes Deep	Careaga	11/4/1992	16.90	Flush	Top Flush Mount	23.98	7.08
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/30/1992	11.50	Flush	Top Flush Mount	23.98	12.48
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/11/1991	16.80	Flush	Top Flush Mount	23.98	7.18
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/16/1991	10.83	Flush	Top Flush Mount	23.98	13.15
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/11/1990	17.05	Flush	Top Flush Mount	23.98	6.93
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/24/1990	11.39	Flush	Top Flush Mount	23.98	12.59
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/12/1989	13.54	Flush	Top Flush Mount	23.98	10.44
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/20/1989	8.90	Flush	Top Flush Mount	23.98	15.08
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/25/1988	12.98	Flush	Top Flush Mount	23.98	11.00
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/21/1988	8.40	Flush	Top Flush Mount	23.98	15.58
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/19/1987	11.40	Flush	Top Flush Mount	23.98	12.58
12N/36W-36L02	Oceano Dunes Deep	Careaga	8/5/1987	11.40	Flush	Top Flush Mount	23.98	12.58
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/13/1987	3.24	Flush	Top Flush Mount	23.98	20.74
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/31/1986	7.51	Flush	Top Flush Mount	23.98	16.47
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/27/1986	3.56	Flush	Top Flush Mount	23.98	20.42
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/4/1985	4.10	Flush	Top Flush Mount	23.98	19.88

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev, (feet NAVD88)	Groundwater Elevation (feet NAVD88)
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/24/1984	8.32	Flush	Top Flush Mount	23.98	15.66
12N/36W-36L02	Oceano Dunes Deep	Careaga	5/4/1982	3.12	Flush	Top Flush Mount	23.98	20.86
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/19/1981	11.75	Flush	Top Flush Mount	23.98	12.23
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/21/1981	4.14	Flush	Top Flush Mount	23.98	19.84
12N/36W-36L02	Oceano Dunes Deep	Careaga	10/20/1980	10.40	Flush	Top Flush Mount	23.98	13.58
12N/36W-36L02	Oceano Dunes Deep	Careaga	12/11/1979	9.30	Flush	Top Flush Mount	23.98	14.68
12N/36W-36L02	Oceano Dunes Deep	Careaga	11/13/1979	10.00	Flush	Top Flush Mount	23.98	13.98
12N/36W-36L02	Oceano Dunes Deep	Careaga	4/16/1979	5.46	Flush	Top Flush Mount	23.98	18.52
12N/36W-36L02	Oceano Dunes Deep	Careaga	12/4/1978	9.90	Flush	Top Flush Mount	23.98	14.08
12N/36W-36L02	Oceano Dunes Deep	Careaga	5/4/1978	6.84	Flush	Top Flush Mount	23.98	17.14
12N/36W-36L02	Oceano Dunes Deep	Careaga	11/7/1977	16.20	Flush	Top Flush Mount	23.98	7.78
12N/36W-36L02	Oceano Dunes Deep	Careaga	5/17/1977	13.31	Flush	Top Flush Mount	23.98	10.67
12N/36W-36L02	Oceano Dunes Deep	Careaga	6/8/1976	12.75	Flush	Top Flush Mount	23.98	11.23
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/14/1976	7.03	Flush	Top Flush Mount	23.98	16.95
12N/36W-36L02	Oceano Dunes Deep	Careaga	1/8/1976	6.50	Flush	Top Flush Mount	23.98	17.48
12N/36W-36L02	Oceano Dunes Deep	Careaga	11/25/1975	7.50	Flush	Top Flush Mount	23.98	16.48

Appendix A: NCMA Sentry Wells Water Level Data



Well	Common Name	Aquifer	Date	Depth to Water (feet)	Surface Completion	RP Description	RP Elev. (feet NAVD88)	Groundwater Elevation (feet NAVD88)
12N/35W-32C03	County MW-3	Paso Robles	10/7/2020	43.03	Flush	Top Flush Mount	47.70	4.67
12N/35W-32C03	County MW-3	Paso Robles	7/6/2020	41.31	Flush	Top Flush Mount	47.70	6.39
12N/35W-32C03	County MW-3	Paso Robles	4/7/2020	31.48	Flush	Top Flush Mount	47.70	16.22
12N/35W-32C03	County MW-3	Paso Robles	1/7/2020	35.29	Flush	Top Flush Mount	47.70	12.41
12N/35W-32C03	County MW-3	Paso Robles	10/9/2019	42.42	Flush	Top Flush Mount	47.70	5.28
12N/35W-32C03	County MW-3	Paso Robles	7/9/2019	37.20	Flush	Top Flush Mount	47.70	10.50
12N/35W-32C03	County MW-3	Paso Robles	4/9/2019	32.50	Flush	Top Flush Mount	47.70	15.20
12N/35W-32C03	County MW-3	Paso Robles	1/8/2019	35.45	Flush	Top Flush Mount	47.70	12.25
12N/35W-32C03	County MW-3	Paso Robles	10/9/2018	43.85	Flush	Top Flush Mount	47.70	3.85
12N/35W-32C03	County MW-3	Paso Robles	7/10/2018	40.00	Flush	Top Flush Mount	47.70	7.70
12N/35W-32C03	County MW-3	Paso Robles	4/10/2018	32.80	Flush	Top Flush Mount	47.70	14.90
12N/35W-32C03	County MW-3	Paso Robles	1/10/2018	35.10	Flush	Top Flush Mount	47.70	12.60
12N/35W-32C03	County MW-3	Paso Robles	10/10/2017	42.05	Flush	Top Flush Mount	47.70	5.65
12N/35W-32C03	County MW-3	Paso Robles	7/11/2017	38.34	Flush	Top Flush Mount	47.70	9.36
12N/35W-32C03	County MW-3	Paso Robles	4/11/2017	28.44	Flush	Top Flush Mount	47.70	19.26
12N/35W-32C03	County MW-3	Paso Robles	1/10/2017	34.85	Flush	Top Flush Mount	47.70	12.85
12N/35W-32C03	County MW-3	Paso Robles	10/12/2016	47.49	Flush	Top Flush Mount	47.70	0.21
12N/35W-32C03	County MW-3	Paso Robles	7/19/2016	44.51	Flush	Top Flush Mount	47.70	3.19
12N/35W-32C03	County MW-3	Paso Robles	4/12/2016	36.41	Flush	Top Flush Mount	47.70	11.29
12N/35W-32C03	County MW-3	Paso Robles	1/12/2016	36.48	Flush	Top Flush Mount	47.70	11.22
12N/35W-32C03	County MW-3	Paso Robles	10/13/2015	51.21	Flush	Top Flush Mount	47.70	-3.51
12N/35W-32C03	County MW-3	Paso Robles	7/14/2015	49.07	Flush	Top Flush Mount	47.70	-1.37
12N/35W-32C03	County MW-3	Paso Robles	4/14/2015	44.00	Flush	Top Flush Mount	47.70	3.70
12N/35W-32C03	County MW-3	Paso Robles	1/13/2015	38.90	Flush	Top Flush Mount	47.70	8.80
12N/35W-32C03	County MW-3	Paso Robles	10/14/2014	50.50	Flush	Top Flush Mount	47.70	-2.80
12N/35W-32C03	County MW-3	Paso Robles	7/29/2014	44.02	Flush	Top Flush Mount	47.70	3.68
12N/35W-32C03	County MW-3	Paso Robles	6/4/2014	45.46	Flush	Top Flush Mount	47.70	2.24
12N/35W-32C03	County MW-3	Paso Robles	4/15/2014	41.51	Flush	Top Flush Mount	47.70	6.19
12N/35W-32C03	County MW-3	Paso Robles	1/14/2014	41.00	Flush	Top Flush Mount	47.70	6.70
12N/35W-32C03	County MW-3	Paso Robles	10/14/2013	45.26	Flush	Top Flush Mount	47.70	2.44
12N/35W-32C03	County MW-3	Paso Robles	7/9/2013	43.83	Flush	Top Flush Mount	47.70	3.87
12N/35W-32C03	County MW-3	Paso Robles	4/10/2013	37.89	Flush	Top Flush Mount	47.70	9.81
12N/35W-32C03	County MW-3	Paso Robles	1/14/2013	32.26	Flush	Top Flush Mount	47.70	15.44
12N/35W-32C03	County MW-3	Paso Robles	10/30/2012	40.05	Flush	Top Flush Mount	47.70	7.65
12N/35W-32C03	County MW-3	Paso Robles	7/25/2012	38.62	Flush	Top Flush Mount	47.70	9.08
12N/35W-32C03	County MW-3	Paso Robles	4/19/2012	23.02	Flush	Top Flush Mount	47.70	24.68

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/12E-24B01	10/12/2020	3,100	1,400	520	28.0	180.0	180	420	210	0	2.00	0.12	0.300	0.110	1.30	3.80	420	0	0	4,840	2.0
32S/12E-24B01	4/22/2020	2,800	1,300	510	27.0	170.0	170	400	190	0	2.10	0.13	0.000	0.120	1.30	3.90	400	0	0	4,930	3.2
32S/12E-24B01	10/14/2019	3,100	1,300	540	29.0	180.0	180	410	180	0	1.90	0.15	0.150	0.012	1.30	3.70	410	0	0	4,900	2.7
32S/12E-24B01	4/10/2019	2,800	1,400	520	35	180	190	430	200	ND	2	0.15	ND	0.11	1.4	4.0	430	ND	ND	5,260	2.1
32S/12E-24B01	10/9/2018	2,800	1,400	600	35	180	190	410	190	ND	2	0.15	ND	0.11	1.4	2.8	410	ND	ND	5,040	22
32S/12E-24B01	4/11/2018	3,000	1,400	560	33	170	180	430	200	0.25	2.0	0.15	ND	0.11	1.4	5.1	430	ND	ND	5,150	2.2
32S/12E-24B01	10/11/2017	3,100	1,400	590	36	180	190	430	190	ND	2.3	0.17	0.13	0.11	1.4	0.64	430	ND	ND	5,180	1.7
32S/12E-24B01	4/11/2017	3,400	1,400	680	41	190	210	420	190	ND	2.4	0.16	0.17	0.11	1.6	4.7	420	ND	ND	5,020	1.8
32S/12E-24B01	10/11/2016	3,100	1,400	700	44	210	220	450	190	0.26	2.1	0.18	ND	0.12	1.6	4.1	450	ND	ND	5,020	1.3
32S/12E-24B01	4/12/2016	2,800	1,400	640	37	170	180	420	190	<0.48	2.2	0.16	<0.055	0.081	1.3	4.8	420	<8.2	<8.2	5,000	0.73
32S/12E-24B01	10/15/2015	3,230	230	560	34	160	170	413	42	<0.05	2.2	0.14	<0.10	0.091	1.1	0.68	413	<10	<10	4,880	0.54
32S/12E-24B01	4/15/2015	3,010	1,300	510	30	150	160	410	220	<0.05	2.9	0.15	<0.5	0.023	1.0	3.4	410	<10	<10	4,760	0.72
32S/12E-24B01	1/14/2015	2,980	1,300	520	30	150	170	400	210	<0.25	2.2	0.14	<0.5	<0.021	1.0	2.9	400	<10	<10	4,640	0.52
32S/12E-24B01	10/14/2014	3,160	1,100	530	32	150	170	390	180	0.32	2.2	0.16	<0.5	<0.01	1.1	<0.5	390	<10	<10	4,780	0.67
32S/12E-24B01	7/30/2014	2,950	1,300	520	29	140	170	440	190	<0.25	1.9	0.11	<0.5	0.03	1.1	2.6	440	<10	<10	4,830	0.62
32S/12E-24B01	4/16/2014	2,880	1,200	560	29	140	140	390	190	<0.05	2.2	0.130	<0.5	0.03	0.92	2.9	390	<10	<10	4,790	0.72
32S/12E-24B01	1/15/2014	2,870	1,300	540	30	140	160	380	214	<0.25	2.4	0.17	<0.5	<0.01	1.0	3.0	380	<10	<10	4,800	0.71
32S/12E-24B01	10/15/2013	2,860	1,200	560	31	150	160	380	200	<0.25	2.2	0.13	<0.5	<0.01	1.0	3.0	380	<10	<10	4,810	0.75
32S/12E-24B01	7/9/2013	2,960	1,300	560	32	150	160	395	215	<0.25	2.4	0.16	<0.5	<0.01	1.1	2.0	395	<10	<10	4,850	0.81
32S/12E-24B01	4/10/2013	2,920	1,300	540	30	140	150	410	220	<0.25	1.9	0.16	<0.1	<0.01	1.00	3.5	410	<10	<10	4,830	0.67
32S/12E-24B01	1/14/2013	2,630	1,300	540	30	140	140	410	220	<0.05	2.7	0.15	<0.1	<0.01	0.96	2.8	410	<10	<10	4,790	0.72
32S/12E-24B01	10/29/2012	2,950	1,200	590	34	150	160	360	200	<0.25	2.4	0.18	<0.5	<0.01	1.1	11	360	<10	<10	4,750	0.78
32S/12E-24B01	7/23/2012	3,010	1,400	530	30	120	130	397	210	<0.05	2.1	0.15	<0.1	0.041	0.86	3	397	<10	<10	4,720	1.4
32S/12E-24B01	4/18/2012	3,000	1,500	450	27	120	120	400	230	<0.1	2	0.13	0.13	<0.01	0.89	3.12	400	<10	<10	4,660	0.6
32S/12E-24B01	1/11/2012	2,750	1,200	520	30	140	140	400	170	<0.1	4	0.18	0.1	0.033	0.94	3.2	400	<10	<10	4,560	0.55
32S/12E-24B01	11/21/2011	2,740	1,200	410	25	130	120	380	200	<0.3	2.3	0.13	<0.6	0.053	0.9	2.73	380	<10	<10	4,470	0.7
32S/12E-24B01	7/25/2011	3,690	1,200	530	33	140	150	380	200.2	<0.05	1.8	0.14	<0.1	0.053	0.91	3.281	380	<5	<5	4,900	0.73
32S/12E-24B01	4/20/2011	2,810	1,214	500	27	140	130	400	216	<0.05	1.7	0.24	0.18	0.067	0.95	3.3	400	<2.0	<2.0	4,430	NA
32S/12E-24B01	1/24/2011	2,380	1,100	370	24	110	120	380	180	<0.15	1.8	0.16	<0.3	0.63	0.68	2.8	380	<2.0	<2.0	4,020	0.89
32S/12E-24B01	10/28/2010	2,330	960	390	25	140	140	350	160	<0.1	3.9	0.15	<0.1	NA	0.75	2.6	350	<10	<10	3,860	1.3
32S/12E-24B01	7/27/2010	616	43	52.5	6.21	115	44.7	341	160	< 0.10	2.9	0.063	< 0.10	0.11	0.274	0.18	341	< 1.0	< 1.0	1,000	9.34
32S/12E-24B01	4/27/2010	676	47	54.7	4.60	107	43.6	327	140	< 0.10	0.98	0.0714	< 0.10	< 0.10	0.0458	0.18	327	< 1.0	< 1.0	990	4.06
32S/12E-24B01	1/27/2010	694	55	56.2	6.80	123	43.2	340	150	0.40	1.7	0.12	< 0.10	0.33	0.875	0.19	340	< 1.0	< 1.0	1,000	16.6
32S/12E-24B01	10/19/2009	766	140	121	16.7	111	52.4	303	150	0.25	2.8	0.0959	0.11	< 0.10	0.208	0.47	303	< 1.0	< 1.0	1,200	7.79
32S/12E-24B01	8/20/2009	705	94	86.8	11.7	116	35.6	286	150	0.21	2.7	NA	< 0.10	0.12	0.248	0.38	286	< 1.0	< 1.0	1,000	7.15
32S/12E-24B01	5/12/2009	695	100	82.1	13.2	108	45	288	150	NA	NA	NA	0.11	NA	0.66	0.29	288	< 1.0	< 1.0	1,100	23.9
32S/12E-24B01	3/26/1996	1,870	773	380	24.0	125	95	427	154	0.0452	NA	0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA
32S/12E-24B01	6/9/1976	1,706	667	400	16.2	94	95	474	159	0.0904	NA	0.12	0.5	NA	NA	NA	NA	NA	NA	NA	NA
32S/12E-24B01	1/17/1966	1,700	652	406	20.0	95	83	440	175	1	NA	0.07	0.3	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/12E-24B02	10/12/2020	700	31	46	3.6	120.0	36	320	160	0	0.21	0.07	0.054	0.014	0.18	0.10	320	0	0	936	0.5
32S/12E-24B02	7/7/2020	690	31	48	3.6	120.0	35	300	170	0	0.23	0.07	0.047	0.014	0.18	0.08	300	4	4	945	0.5
32S/12E-24B02	4/22/2020	560	31	41	3.4	100.0	32	330	160	0	0.28	0.06	0.026	0.014	0.16	0.00	330	0	0	960	0.5
32S/12E-24B02	1/15/2020	660	31	47	4.0	120.0	37	320	160	0	0.23	0.08	0.055	0.017	0.18	0.14	320	0	0	900	0.6
32S/12E-24B02	10/14/2019	700	30	45	3.7	110.0	35	310	160	0	0.10	0.08	0.046	0.110	0.18	0.00	310	0	0	931	0.6
32S/12E-24B02	7/10/2019	550	30	48	4.2	120.0	37	320	160	0	0.34	0.07	0.037	0.015	0.18	0.00	320	0	0	931	0.6
32S/12E-24B02	4/10/2019	620	31	42	3.6	110	35	320	160	ND	0.31	0.070	0.059	ND	0.17	0.130	320	ND	ND	941	0.59
32S/12E-24B02	1/8/2019	630	30	43	3.6	110	35	310	160	ND	0.27	0.072	0.056	0.013	0.17	0.096	310	ND	ND	938	0.59
32S/12E-24B02	10/9/2018	640	30	48	3.8	120	37	320	160	ND	0.34	0.068	0.025	0.013	0.18	0.06	320	ND	ND	952	0.62
32S/12E-24B02	7/12/2018	620	29	46	3.7	120	36	320	150	ND	0.30	0.072	0.042	0.013	0.17	0.11	320	ND	ND	962	0.69
32S/12E-24B02	4/11/2018	660	31	45	3.5	110	35	320	160	0.034	0.28	0.069	0.050	0.011	0.17	0.10	320	ND	ND	942	0.58
32S/12E-24B02	1/12/2018	570	30	53	3.8	120	38	320	160	ND	0.32	0.071	0.068	0.015	0.18	0.11	320	ND	ND	930	0.56
32S/12E-24B02	10/11/2017	670	31	45	3.7	120	38	330	160	ND	0.41	0.077	0.045	0.014	0.18	0.1	330	ND	ND	962	0.74
32S/12E-24B02	7/12/2017	760	31	48	4	130	39	310	160	ND	0.18	0.072	0.04	0.015	0.2	0.12	310	ND	ND	948	0.93
32S/12E-24B02	4/11/2017	630	34	46	3.7	120	35	310	170	ND	0.31	0.062	0.09	0.017	0.17	0.12	310	ND	ND	933	0.59
32S/12E-24B02	1/12/2017	660	34	47	3.7	120	36	320	170	ND	0.26	0.069	0.031	0.023	0.2	0.097	320	ND	ND	938	0.79
32S/12E-24B02	10/11/2016	660	35	48	4	120	39	320	170	ND	0.26	0.069	0.038	0.023	0.18	0.12	320	ND	ND	953	0.75
32S/12E-24B02	7/19/2016	660	36	50	3.9	120	38	320	160	<0.022	0.15	0.07	0.036	0.016	0.17	0.15	320	<4.1	<4.1	947	0.67
32S/12E-24B02	4/12/2016	640	35	48	3.8	110	37	300	160	<0.022	0.38	0.064	0.045	0.011	0.17	0.13	300	<4.1	<4.1	939	0.53
32S/12E-24B02	1/12/2016	570	38	48	3.8	110	36	290	170	<0.022	0.27	0.044	0.11	0.015	0.16	0.15	290	<4.1	<4.1	951	0.48
32S/12E-24B02	10/15/2015	650	34	41	3.8	100	33	306	160	<0.05	<1	0.054	<0.10	0.014	0.18	<0.10	306	<10	<10	950	0.72
32S/12E-24B02	7/15/2015	650	35	50	3.0	120	36	295	160	<0.05	<1	0.069	<0.1	0.01	0.16	<0.1	295	<10	<10	950	0.69
32S/12E-24B02	4/15/2015	620	35	40	3.4	100	31	300	170	<0.05	<1	0.066	<0.1	0.01	0.14	<0.1	300	<10	<10	900	0.45
32S/12E-24B02	1/14/2015	640	36	41	3.3	110	32	290	170	<0.05	<1	0.062	<0.1	<0.01	0.14	<0.1	290	<10	<10	900	0.48
32S/12E-24B02	10/14/2014	630	30	41	3.9	100	32	290	140	<0.05	<1	0.065	<0.1	<0.01	0.15	<0.1	290	<10	<10	940	0.44
32S/12E-24B02	7/29/2014	620	33	42	3.5	100	33	300	150	<0.05	<1	<0.1	<0.1	<0.01	0.14	<0.1	300	<10	<10	940	0.37
32S/12E-24B02	4/16/2014	630	32	43	4.3	88	28	300	150	<0.05	<1	0.067	<0.1	<0.01	0.12	<0.1	300	<10	<10	940	0.32
32S/12E-24B02	1/15/2014	630	33	46	3.9	100	34	290	165	<0.05	<1	<0.05	<0.1	<0.01	0.14	<0.1	290	<10	<10	940	0.37
32S/12E-24B02	10/15/2013	630	30	44	3.8	98	32	290	170	<0.05	<1	<0.05	<0.1	<0.01	0.13	<0.1	290	<10	<10	920	0.39
32S/12E-24B02	7/9/2013	630	30	43	3.9	110	33	295	170	<0.05	<1	0.076	<0.1	<0.01	0.14	<0.1	295	<10	<10	940	0.6
32S/12E-24B02	4/10/2013	630	31	44	4	100	32	310	160	<0.05	<1	0.08	<0.1	<0.01	0.13	<0.1	310	<10	<10	940	0.41
32S/12E-24B02	1/14/2013	620	30	43	4	97	31	305	170	<0.05	<1	0.079	<0.1	<0.01	0.12	<0.1	305	<10	<10	950	0.72
32S/12E-24B02	10/29/2012	650	29	45	4.2	100	32	280	160	<0.05	<1	0.074	0.14	<0.01	0.13	<0.1	280	<10	<10	950	0.56
32S/12E-24B02	7/23/2012	650	35	45	4.3	87	27	297	170	<0.05	<1	<0.1	<0.1	<0.01	0.12	<0.1	297	<10	<10	950	0.43
32S/12E-24B02	4/18/2012	630	37	39	3.7	88	28	310	171	<0.1	<1	<0.1	0.16	<0.01	0.099	<0.2	310	<10	<10	950	0.26
32S/12E-24B02	1/11/2012	650	33	46	4.6	110	32	300	150	<0.1	1.3	<0.1	0.21	<0.02	0.13	0.03	300	<10	<10	950	1.7
32S/12E-24B02	11/21/2011	640	32	39	3.9	93	29	290	150	<0.05	<1	0.064	<0.1	<0.01	0.096	<0.1	290	<10	<10	930	0.32
32S/12E-24B02	7/25/2011	640	36	48	4.2	97	31	290	165.3	<0.05	<1	<0.1	<0.1	<0.01	0.096	<0.1	290	<5	<5	950	0.88
32S/12E-24B02	4/20/2011	620	39	46	7.4	90	36	320	174	<0.05	<1	0.17	0.14	0.014	<0.005	<0.1	320	<2.0	<2.0	950	NA
32S/12E-24B02	1/24/2011	640	43	44	5.9	87	28	270	170	<0.05	<1.0	0.11	<0.1	0.14	0.085	<0.1	270	<2.0	<2.0	940	1.3
32S/12E-24B02	10/28/2010	650	43	50	4.5	110	35	270	160	<0.1	<1.0	0.12	<0.1	NA	0.085	<0.3	270	<10	<10	970	0.63
32S/12E-24B02	7/27/2010	598	42	48.9	4.29	111	40.5	318	160	< 0.10	1.3	0.0609	< 0.10	0.11	0.106	0.15	318	< 1.0	< 1.0	980	2.84
32S/12E-24B02	4/27/2010	668	46	52.7	4.73	111	43.2	349	150	< 0.10	1.3	0.0666	< 0.10	0.14	0.101	0.16	349	< 1.0	< 1.0	980	6.66
32S/12E-24B02	1/27/2010	622	45	58.0	5.39	115	32.2	270	160	0.18	0.84	0.117	< 0.10	0.14	0.209	0.16	270	< 1.0	< 1.0	920	3.49
32S/12E-24B02	10/19/2009	600	49	59.1	5.12	112	30.1	281	160	< 0.10	0.98	0.0776	0.14	< 0.10	0.163	0.19	281	< 1.0	< 1.0	870	1.14
32S/12E-24B02	8/20/2009	630	49	63.5	5.85	128	30.1	288	150	< 0.10	0.98	NA	< 0.10	< 0.10	0.203	0.20	288	< 1.0	< 1.0	920	3.22
32S/12E-24B02	5/12/2009	622	82	67.5	6.33	114	34.5	282	150	NA	NA	NA	0.11	NA	0.252	0.24	282	< 1.0	< 1.0	990	6.76
32S/12E-24B02	3/26/1996	652	54	46	5	107	24	344	169	0.0452	NA	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l	
32S/12E-24B02	6/9/1976	565	34	52	4	104	27	337	153	0.1355	NA	0.02	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
32S/12E-24B02	1/17/1966	651	62	79	5	101	32	380	147	0	NA	0.05	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS	Chloride	Sodium	Potassium	Calcium	Magnesium	Bicarbonate as CaCO3	Sulfate	Nitrate (as N)	Total Kjeldahl Nitrogen	Boron	Fluoride	Iodide	Manganese	Bromide	Total Alkalinity as CaCO3	Carbonate as CaCO3	Hydroxide as CaCO3	Specific Conductivity	Iron
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm	mg/l
32S/12E-24B03	10/12/2020	740	51	53	3.8	110.0	40	320	170	0	0.00	0.06	0.032	0.021	0.01	0.16	320	0	0	1,010	0.3
32S/12E-24B03	7/7/2020	760	53	55	3.9	110.0	42	330	170	0	0.20	0.06	0.050	0.021	0.01	0.22	330	8	8	1,020	0.2
32S/12E-24B03	4/22/2020	570	50	50	3.7	110.0	39	330	160	0	0.12	0.06	0.000	0.022	0.01	0.17	330	0	0	1,040	0.3
32S/12E-24B03	1/15/2020	590	50	55	4.0	120.0	42	330	160	0	0.08	0.07	0.000	0.025	0.01	0.13	330	0	0	972	0.3
32S/12E-24B03	10/14/2019	660	48	56	4.0	120.0	40	330	170	0	0.11	0.07	0.029	0.018	0.01	0.18	330	0	0	1,010	0.3
32S/12E-24B03	7/10/2019	590	49	53	4.2	110.0	44	330	160	0	0.15	0.07	0.020	0.018	0.01	0.18	330	0	0	1,000	0.2
32S/12E-24B03	4/10/2019	640	50	50	3.7	110	43	320	160	ND	0.15	0.063	0.037	0.017	0.012	0.16	320	ND	ND	1,020	0.44
32S/12E-24B03	1/8/2019	660	50	50	3.9	110	43	320	160	ND	0.12	0.065	0.039	0.021	0.011	0.14	320	ND	ND	1,020	0.21
32S/12E-24B03	10/9/2018	690	48	52	4.1	110	45	320	160	ND	0.19	0.065	ND	0.020	0.011	0.10	320	ND	ND	1,030	0.19
32S/12E-24B03	7/12/2018	650	47	51	3.8	110	42	320	150	ND	0.14	0.062	0.023	0.020	0.10	0.16	320	ND	ND	1,040	0.18
32S/12E-24B03	4/11/2018	670	50	53	4.0	110	44	320	160	ND	0.11	0.065	0.017	0.019	0.011	0.19	320	ND	ND	1,010	0.19
32S/12E-24B03	1/12/2018	620	48	57	3.9	110	45	330	160	ND	0.13	0.061	0.041	0.023	0.011	0.18	330	ND	ND	993	0.19
32S/12E-24B03	10/11/2017	660	49	54	4	120	45	330	160	ND	0.16	0.069	0.022	0.02	0.011	0.19	330	ND	ND	1020	0.20
32S/12E-24B03	7/12/2017	790	46	54	4	120	45	320	160	ND	ND	0.062	0.015	0.02	0.011	0.18	320	ND	ND	1,010	0.19
32S/12E-24B03	4/11/2017	670	48	55	4.1	120	45	330	160	ND	0.17	0.058	ND	0.019	0.012	0.21	330	ND	ND	988	0.23
32S/12E-24B03	1/12/2017	670	47	58	4.3	130	50	340	160	ND	ND	0.068	0.012	0.024	0.014	0.18	340	ND	ND	1,000	0.27
32S/12E-24B03	10/11/2016	680	49	53	4	110	47	340	160	ND	ND	0.06	0.015	0.025	0.013	0.17	340	ND	ND	1020	0.22
32S/12E-24B03	7/19/2016	690	47	54	4.1	110	46	340	160	<0.022	0.32	0.063	0.017	0.016	0.013	0.20	340	<8.2	<8.2	1,010	0.32
32S/12E-24B03	4/12/2016	680	48	55	4.1	110	45	320	160	<0.022	0.21	0.056	0.019	0.018	0.012	0.17	320	<8.2	<8.2	1,010	0.28
32S/12E-24B03	1/12/2016	610	51	53	4.0	110	46	320	170	<0.022	0.11	0.037	0.038	<0.10	0.015	0.19	320	<8.2	<8.2	1,050	0.27
32S/12E-24B03	10/15/2015	650	44	48	4.4	100	42	325	160	<0.05	<1	<0.05	<0.10	0.016	0.010	<0.10	325	<10	<10	1,020	0.21
32S/12E-24B03	7/15/2015	680	46	60	40.0	120	47	333	160	<0.05	<1	0.064	<0.1	0.01	0.010	<0.1	333	<10	<10	1,020	0.20
32S/12E-24B03	4/15/2015	650	46	44	3.5	96	38	330	170	<0.05	<1	0.061	<0.1	0.012	0.0080	<0.1	330	<10	<10	980	0.17
32S/12E-24B03	1/14/2015	670	47	48	3.6	110	43	330	170	<0.05	<1	0.052	<0.10	0.01	0.090	<0.1	330	<10	<10	970	0.17
32S/12E-24B03	10/14/2014	650	40	48	4.1	100	41	330	142	<0.05	<1	0.061	<0.1	<0.01	0.010	<0.1	330	<10	<10	1,010	0.19
32S/12E-24B03	7/30/2014	650	45	45	3.1	94	40	390	150	<0.05	<1	<0.1	<0.1	<0.01	<0.005	<0.1	390	<10	<10	1,020	0.19
32S/12E-24B03	4/16/2014	660	43	46	4.3	90	35	330	150	0.23	<1	0.056	<0.1	<0.01	<0.005	0.11	330	<10	<10	1,010	0.16
32S/12E-24B03	1/15/2014	660	45	52	4.0	100	41	320	165	<0.05	<1	<0.05	<0.1	<0.01	0.0090	<0.1	320	<10	<10	1,010	0.17
32S/12E-24B03	10/15/2013	720	40	51	4.0	100	40	310	170	<0.05	<1	<0.05	<0.1	<0.01	0.0090	<0.1	310	<10	<10	1,010	0.2
32S/12E-24B03	7/9/2013	660	46	47	3.9	110	41	310	170	<0.05	<1	0.066	<0.1	<0.01	0.0100	<0.1	310	<10	<10	1,010	0.27
32S/12E-24B03	4/10/2013	670	44	46	3.8	96	38	320	160	<0.05	<1	0.071	<0.1	<0.01	0.0080	<0.1	320	<10	<10	1,010	0.19
32S/12E-24B03	1/14/2013	630	45	47	3.9	96	37	320	170	<0.05	<1	0.065	<0.1	<0.01	0.0080	<0.1	320	<10	<10	1,010	0.26
32S/12E-24B03	10/29/2012	680	45	49	4.1	100	39	305	158	<0.05	<1	0.069	0.1	<0.01	0.0090	<0.1	305	<10	<10	1,010	0.22
32S/12E-24B03	7/23/2012	670	49	47	4.1	86	35	318	170	<0.05	<1	<0.1	<0.1	<0.01	0.0150	<0.1	318	<10	<10	1,010	0.24
32S/12E-24B03	4/18/2012	640	50	40	3.4	84	33	320	160	<0.1	<1	<0.1	<0.2	<0.01	0.0070	<0.2	320	<10	<10	1,010	0.23
32S/12E-24B03	1/12/2012	660	46	48	3.2	92	36	300	150	<0.1	<1	<0.1	0.35	<0.02	0.0080	<0.2	300	<10	<10	1,000	0.15
32S/12E-24B03	11/21/2011	660	43	41	3.7	91	34	310	150	<0.05	1.6	0.046	<0.1	0.014	0.0090	<0.1	310	<10	<10	970	0.12
32S/12E-24B03	7/25/2011	650	46	50	6.0	98	38	310	159.6	<0.05	<1	<0.1	<0.1	0.011	0.0100	<0.1	310	<5	<5	1,010	0.21
32S/12E-24B03	4/20/2011	650	47	48	4.6	95	31	310	168	<0.05	<1	0.11	0.08	0.015	0.0080	<0.1	310	<2.0	<2.0	1,020	NA
32S/12E-24B03	1/24/2011	660	46	44	5.6	87	33	320	160	<0.05	<1.0	NA	<0.1	0.15	0.0096	<0.1	320	<2.0	<2.0	1,020	0.22
32S/12E-24B03	10/28/2010	660	44	48	3.8	110	39	315	50	<0.1	<1.0	0.089	<0.1	NA	0.0120	<0.3	315	<10	<10	1,020	0.55
32S/12E-24B03	7/27/2010	610	44	51.4	8.34	112	41.6	328	160	< 0.10	1.8	0.0533	< 0.10	0.17	0.0602	0.16	328	< 1.0	< 1.0	1,000	6.7
32S/12E-24B03	4/27/2010	666	45	53.2	4.84	118	44	357	150	< 0.10	1.5	0.0636	< 0.10	0.1	0.0519	0.17	357	< 1.0	< 1.0	980	9.71
32S/12E-24B03	1/27/2010	672	48	56.4	5.40	119	43.4	336	150	< 0.10	1.4	0.101	< 0.10	0.15	0.140	0.15	336	< 1.0	< 1.0	1,000	5.18
32S/12E-24B03	10/19/2009	622	40	55.1	3.93	110	42.6	342	160	< 0.10	< 0.50	0.0613	< 0.10	0.13	0.0181	0.14	342	< 1.0	< 1.0	880	0.343
32S/12E-24B03	8/19/2009	680	47	54.9	5.21	128	43.4	337	150	< 0.10	2.2	NA	< 0.10	0.66	0.182	0.15	337	< 1.0	< 1.0	1,000	14.3
32S/12E-24B03	5/12/2009	645	44	53.2	4.53	108	41.8	332	140	NA	NA	NA	< 0.10	NA	0.124	0.16	332	< 1.0	< 1.0	1,000	5.9
32S/12E-24B03	3/26/1996	646	41	52	4.3	104	42	412	164	0.0452	NA	0.12	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l	
32S/12E-24B03	6/9/1976	569	36	53	3.7	85	39	330	165	0	NA	0.06	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
32S/12E-24B03	1/17/1966	670	79	74	5	103	36	345	158	1	NA	0	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/13E-30F01	10/12/2020	490	66	68	2.0	44.0	20	83	120	13	0.12	0.08	0.057	0.000	0.00	0.26	83	0	0	700	0.0
32S/13E-30F01	4/22/2020	500	64	68	2.1	44.0	19	84	120	13	0.15	0.08	0.033	0.000	0.00	0.26	84	0	0	719	0.0
32S/13E-30F01	10/14/2019	460	62	69	2.0	43.0	18	82	120	13	0.11	0.09	0.046	0.000	0.00	0.29	82	0	0	696	0.1
32S/13E-30F01	4/10/2019	480	61	60	2.1	41	19	85	120	13	0.12	0.09	0.06	ND	ND	0.19	85	ND	ND	693	0.04
32S/13E-30F01	10/10/2018	460	62	72	2.3	44	21	84	120	13	0.09	0.09	0.034	ND	ND	0.16	84	ND	ND	696	ND
32S/13E-30F01	4/12/2018	470	58	69	2.3	44	21	82	110	12	0.14	0.09	0.030	ND	ND	0.23	82	ND	ND	699	ND
32S/13E-30F01	10/11/2017	500	68	67	2.2	46	23	97	120	13	0.18	0.093	0.045	ND	0.018	0.28	97	ND	ND	752	0.061
32S/13E-30F01	4/12/2017	510	61	65	2.1	42	20	85	120	13	0.12	0.074	0.062	ND	ND	0.28	85	ND	ND	682	0.045
32S/13E-30F01	10/11/2016	480	62	72	2.3	46	23	91	120	12	0.13	0.09	0.046	ND	ND	0.32	91	ND	ND	702	ND
32S/13E-30F01	4/13/2016	460	60	70	2.3	43	21	90	120	12	0.2	0.086	0.054	<0.01	<.0040	0.30	90	<4.1	<4.1	696	<0.030
32S/13E-30F01	10/14/2015	450	58	61	2.1	39	19	87	120	13	<1	0.084	<0.10	<0.01	<0.005	0.18	87	<10	<10	700	<0.05
32S/13E-30F01	4/15/2015	460	64	60	2.0	40	19	90	130	12	<1	0.081	<0.1	<0.01	<0.005	0.202	90	<10	<10	700	<0.05
32S/13E-30F01	1/14/2015	550	95	69	2	50	24	98	140	12.50	<1	0.085	<0.1	<0.01	<0.005	0.2	98	<10	<10	820	<0.05
32S/13E-30F01	10/14/2014	470	58	64	2	42	19	84	120	10.00	<1	0.081	<0.1	<0.01	<0.005	0.2	84	<10	<10	730	<0.05
32S/13E-30F01	7/30/2014	540	89	71	2	46	24	94	130	13.6	<1	<0.1	<0.1	<0.01	<0.005	0.101	94	<10	<10	860	<0.05
32S/13E-30F01	4/16/2014	610	122	78	3.3	47	22	100	140	12	<1	0.100	<0.1	<0.01	<0.005	0.17	100	<10	<10	970	<0.05
32S/13E-30F01	1/15/2014	510	80	69	2.3	45	22	94	136	12.6	13.00	<0.1	<0.1	<0.01	<0.005	0.19	94	<10	<10	810	<0.05
32S/13E-30F01	10/15/2013	530	78	73	2.3	47	22	86	140	12	<1	0.072	<0.1	<0.01	<.005	0.17	86	<10	<10	830	<0.05
32S/13E-30F01	7/10/2013	480	80	64	2.2	49	22	85	140	12.2	<1	0.089	<0.1	<0.01	<0.005	<0.1	85	<10	<10	770	<0.05
32S/13E-30F01	4/11/2013	460	60	60	2.20	38	18	78	120	12	<1	0.091	<0.1	<0.01	<0.005	0.2	78	<10	<10	710	<0.05
32S/13E-30F01	1/15/2013	440	65	64	2.40	40	19	95	130	12	<1	0.090	<0.1	<0.01	<0.005	0.11	95	<10	<10	720	0.05
32S/13E-30F01	10/30/2012	470	60	66	2.50	43	20	75	123	12	<1	0.087	<0.1	<0.01	<0.005	0.13	75	<10	<10	720	<0.05
32S/13E-30F01	7/24/2012	470	73	66	2.70	36	18	86	120	13	<1	<0.1	<0.1	<0.01	0.019	0.11	86	<10	<10	720	<0.05
32S/13E-30F01	4/19/2012	450	72	52	1.90	32	15	81	130	13	<1	<0.1	<0.2	<0.01	<0.005	<0.2	81	<10	<10	700	<0.1
32S/13E-30F01	1/10/2012	460	67	61	2.00	35	17	81	120	11	<1	<0.1	0.12	<0.01	<0.005	<0.1	81	<10	<10	720	<0.1
32S/13E-30F01	11/17/2011	470	70	82	2.40	40	19	78	120	12	<1	<0.1	<0.1	<0.01	<0.005	0.16	78	<10	<10	720	<0.1
32S/13E-30F01	7/25/2011	460	66	68	4.40	37	19	78	117.4	12.17	<1	0.100	0.101	<0.01	0.014	0.178	78	<5	<5	720	0.11
32S/13E-30F01	4/20/2011	460	71	69	2.60	36	14	87	124	12	<1	0.180	0.11	<0.01	<0.005	0.17	87	<2.0	<2.0	730	NA
32S/13E-30F01	1/24/2011	510	75	64	4.00	34	18	83	140	11	<1.0	0.170	0.11	<0.10	<0.005	<0.1	83	<2.0	<2.0	780	<0.1
32S/13E-30F01	10/21/2010	540	100	73	2.00	43	21	88	120	13	<1.0	0.067	<0.1	NA	<0.005	<0.3	88	<10	<10	894	<.1
32S/13E-30F01	7/26/2010	464	74	82.2	2.16	47.9	25.1	88.0	120	12	< 0.50	0.098	< 0.10	< 0.10	0.0817	0.37	88.0	< 1.0	< 1.0	710	0.79
32S/13E-30F01	4/27/2010	534	72	77.1	2.59	45.8	23.6	100	140	9.8	0.56	0.129	< 0.10	< 0.10	0.112	0.29	100	< 1.0	< 1.0	780	1.02
32S/13E-30F01	1/28/2010	725	140	99.9	2.70	76.4	35.8	214	170	1.6	0.84	0.120	< 0.10	< 0.10	0.112	0.56	214	< 1.0	< 1.0	1,200	0.640
32S/13E-30F01	10/19/2009	522	74	85.6	2.35	52.8	26.3	102	150	13	0.70	0.136	0.13	< 0.10	0.123	0.32	102	< 1.0	< 1.0	770	1.30
32S/13E-30F01	8/19/2009	648	92	98.9	3.84	63.1	31.9	113	190	10	0.56	NA	< 0.10	0.12	1.03	0.32	113	< 1.0	< 1.0	970	4.52
32S/13E-30F01	5/12/2009	792	110	108	2.89	80.2	39.9	136	280	NA	NA	NA	< 0.10	NA	0.0353	0.39	136	< 1.0	< 1.0	1,200	0.281

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/13E-30F02	10/12/2020	540	52	45	2.4	76.0	30	180	130	14	0.19	0.08	0.085	0.000	0.01	0.62	180	0	0	836	0.0
32S/13E-30F02	7/7/2020	600	53	51	2.7	83.0	33	180	130	14	0.20	0.10	0.080	0.100	0.01	0.68	180	4	4	845	0.1
32S/13E-30F02	4/22/2020	580	52	47	2.6	78.0	31	180	130	14	0.18	0.09	0.086	0.000	0.02	0.66	180	0	0	857	0.0
32S/13E-30F02	1/14/2020	550	53	48	2.8	84.0	32	180	130	14	0.10	0.10	0.079	0.000	0.02	0.40	180	0	0	808	0.1
32S/13E-30F02	10/14/2019	550	51	50	2.7	83.0	32	180	130	14	0.00	0.10	0.077	0.000	0.15	0.63	180	0	0	841	0.1
32S/13E-30F02	7/9/2019	620	51	47	2.5	82.0	35	190	120	14	0.13	0.09	0.084	0.000	0.02	0.49	190	0	0	838	0.0
32S/13E-30F02	4/10/2019	570	53	43	2.7	78	32	180	130	14	0.085	0.093	0.090	ND	0.046	0.47	180	ND	ND	852	0.05
32S/13E-30F02	1/8/2019	560	52	44	2.7	80	34	190	130	14	0.059	0.094	0.091	ND	0.013	0.62	190	ND	ND	845	ND
32S/13E-30F02	10/10/2018	580	51	50	2.9	83	35	190	130	14	0.07	0.094	0.07	ND	0.020	0.42	190	ND	ND	848	0.07
32S/13E-30F02	7/10/2018	580	53	48	2.7	83	36	190	130	14	0.23	0.095	0.11	ND	0.026	0.59	190	ND	ND	893	0.045
32S/13E-30F02	4/12/2018	580	48	48	2.8	82	35	190	120	13	0.12	0.097	0.072	ND	0.022	0.48	190	ND	ND	854	ND
32S/13E-30F02	1/11/2018	580	52	51	2.7	82	36	200	130	14	0.14	0.091	0.12	ND	0.032	0.68	200	ND	ND	846	ND
32S/13E-30F02	10/11/2017	580	51	46	2.6	80	34	200	130	14	0.16	0.094	0.083	ND	0.037	0.65	200	ND	ND	877	0.037
32S/13E-30F02	7/12/2017	570	52	49	2.9	89	39	200	130	13	ND	0.094	0.096	ND	0.15	0.66	200	ND	ND	861	ND
32S/13E-30F02	4/12/2017	620	52	51	2.9	88	38	200	130	13	ND	0.088	0.063	ND	0.022	0.67	200	ND	ND	856	0.041
32S/13E-30F02	1/10/2017	590	52	50	2.8	90	37	220	140	13	ND	0.09	0.08	ND	1.1	0.6	220	ND	ND	884	0.15
32S/13E-30F02	10/11/2016	600	52	50	2.9	89	40	220	140	13	0.089	0.09	0.074	ND	0.025	0.6	220	ND	ND	886	ND
32S/13E-30F02	7/20/2016	590	51	51	3.0	88	38	220	130	13	0.14	0.091	0.072	<0.010	0.170	0.57	220	<4.1	<4.1	880	0.033
32S/13E-30F02	4/13/2016	570	51	51	2.9	89	40	200	130	13	0.08	0.1	0.086	<0.010	0.014	0.60	200	<4.1	<4.1	876	<0.030
32S/13E-30F02	1/13/2016	610	53	51	2.9	89	38	210	140	13	0.14	0.091	0.15	<0.010	0.035	0.47	210	<4.1	<4.1	858	<0.030
32S/13E-30F02	10/14/2015	570	49	45	2.8	80	35	212	130	13	<1	0.085	<0.10	<0.01	0.20	0.39	212	<10	<10	890	0.078
32S/13E-30F02	7/15/2015	610	50	51	2.0	88	38	204	140	13	<1	0.091	<0.1	<0.01	0.048	0.30	204	<10	<10	890	<0.05
32S/13E-30F02	4/15/2015	570	51	43	2.7	78	34	200	140	13.5	<1	0.085	<0.1	<0.01	0.087	0.42	200	<10	<10	850	<0.05
32S/13E-30F02	1/14/2015	590	51	42	2.4	80	34	210	140	13	<1	0.08	<0.1	<0.01	0.014	0.324	210	<10	<10	860	<0.05
32S/13E-30F02	10/14/2014	600	46	42	2.6	76	32	310	120	12	<1	0.08	<0.1	<0.01	0.22	0.37	310	<10	<10	890	<0.05
32S/13E-30F02	7/30/2014	580	49	46	2.6	80	35	210	130	13	<1	<0.1	<0.1	<0.01	0.02	0.27	210	<10	<10	890	<0.05
32S/13E-30F02	4/16/2014	590	49	45	3.3	68	30	200	130	12	<1	0.089	<0.1	<0.01	0.011	0.44	200	<10	<10	890	<0.05
32S/13E-30F02	1/15/2014	580	50	45	2.7	76	31	190	136	13.1	13.4	<0.1	<0.1	<0.01	0.054	0.4	190	<10	<10	890	<0.05
32S/13E-30F02	10/15/2013	570	50	45	2.7	75	33	190	140	12	<1	0.69	0.19	<0.01	0.099	0.38	190	<10	<10	890	<0.05
32S/13E-30F02	7/10/2013	570	50	38	2.6	78	32	190	180	<0.05	<1	0.08	0.13	<0.01	0.14	<0.1	190	<10	<10	880	<0.05
32S/13E-30F02	4/11/2013	590	50	41	2.6	70	30	190	140	14	<1	0.09	0.1	<0.01	0.082	0.43	190	<10	<10	880	<0.05
32S/13E-30F02	1/15/2013	550	50	44	2.9	72	31	200	140	13	<1	0.09	0.1	<0.01	0.011	0.32	200	<10	<10	880	0.12
32S/13E-30F02	10/30/2012	610	48	45	3.0	79	34	188	135	13	<1	0.09	<0.1	<0.01	0.06	0.31	188	<10	<10	890	0.011
32S/13E-30F02	7/24/2012	590	56	46	3.2	69	30	194	140	14	<1	<0.1	0.11	<0.01	0.038	0.27	194	<10	<10	880	<0.05
32S/13E-30F02	4/19/2012	600	60	40	2.7	68	30	200	140	14	<1	<0.1	<0.2	<0.01	0.19	0.3	200	<10	<10	890	0.11
32S/13E-30F02	1/12/2012	610	52	45	3.0	73	32	200	130	12	<1	<0.1	0.25	<0.02	0.29	0.33	200	<10	<10	890	<0.1
32S/13E-30F02	11/21/2011	580	49	38	2.7	73	30	190	120	13	<1	0.07	<0.1	<0.01	0.022	0.34	190	<10	<10	870	<0.1
32S/13E-30F02	7/25/2011	590	52	46	5.1	73	31	190	134.3	13.19	<1	<0.1	0.127	<0.1	0.025	0.387	190	<5	<5	900	<0.1
32S/13E-30F02	4/20/2011	600	54	57	4.2	74	29	200	141	13	<1	0.18	0.17	<0.01	0.025	0.38	200	<2.0	<2.0	920	NA
32S/13E-30F02	1/24/2011	600	51	43	4.9	71	31	210	140	12	<1.0	0.15	0.12	0.27	0.041	0.3	210	<2.0	<2.0	920	<0.1
32S/13E-30F02	10/28/2010	610	49	38	2.3	70	30	210	130	11	<1.0	0.10	<0.1	NA	0.0094	<0.3	210	<10	<10	920	<0.1
32S/13E-30F02	7/26/2010	560	49	45.8	2.95	85.4	36.8	223	130	11	2.5	0.0928	<0.10	0.13	0.0646	0.59	223	<1.0	<1.0	890	<0.100
32S/13E-30F02	4/27/2010	634	51	50.3	3.12	87.9	38.6	225	130	10	0.8	0.112	<0.10	<0.10	0.615	0.51	225	<1.0	<1.0	880	3.28
32S/13E-30F02	1/28/2010	604	44	52.2	4.47	92.1	38.5	230	150	11	1.4	0.127	<0.10	<0.10	0.913	0.48	230	<1.0	<1.0	920	4.55
32S/13E-30F02	10/19/2009	566	49	49.5	2.80	88.3	37.6	240	140	11	1.0	0.0942	0.17	<0.10	0.924	0.51	240	<1.0	<1.0	850	2.15
32S/13E-30F02	8/19/2009	614	49	51.8	3.19	87.3	36.8	225	130	11	2.00	NA	0.10	<0.10	2.24	0.54	225	<1.0	<1.0	920	19.4
32S/13E-30F02	5/12/2009	514	54	48.7	3.26	81.1	34.9	206	120	NA	NA	NA	0.11	NA	1.87	0.53	206	<1.0	<1.0	890	3.23
32S/13E-30F02	3/27/1996	678	49	52	3.8	98	42	305	166	11.069	NA	0.16	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l	
32S/13E-30F02	6/9/1976	637	48	55	2.8	98	43	343	172	3.9758	NA	0.1	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
32S/13E-30F02	1/20/1966	580	68	47	2	94	38	280	152	27	NA	0.08	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/13E-30F03	10/12/2020	710	49	41	2.5	110.0	43	310	170	0	0.00	0.06	0.140	0.037	0.02	0.21	310	0	0	975	0.0
32S/13E-30F03	7/7/2020	720	50	42	2.6	110.0	45	290	170	0	0.10	0.06	0.120	0.038	0.02	0.22	290	4	4	985	0.1
32S/13E-30F03	4/22/2020	620	49	41	2.6	110.0	44	310	170	0	0.10	0.06	0.140	0.042	0.02	0.23	310	0	0	999	0.1
32S/13E-30F03	1/14/2020	600	49	41	2.6	110.0	44	300	170	0	0.08	0.06	0.120	0.044	0.02	0.16	300	0	0	940	0.1
32S/13E-30F03	10/14/2019	620	47	44	2.7	110.0	44	300	170	0	0.00	0.06	0.120	0.035	0.02	0.16	300	0	0	980	0.1
32S/13E-30F03	7/9/2019	650	47	41	2.5	110.0	49	310	170	0	0.09	0.06	0.140	0.039	0.02	0.21	310	0	0	975	0.0
32S/13E-30F03	4/10/2019	630	49	37	2.5	100	45	310	170	ND	0.140	0.060	0.14	0.030	0.020	0.19	310	ND	ND	988	0.05
32S/13E-30F03	1/8/2019	660	48	39	2.6	110	46	310	170	ND	0.068	0.063	0.15	0.037	0.020	0.22	310	ND	ND	990	0.08
32S/13E-30F03	10/10/2018	650	48	44	2.9	120	51	310	170	ND	0.12	0.067	0.10	0.036	0.022	0.16	310	ND	ND	981	0.05
32S/13E-30F03	7/10/2018	630	49	42	2.6	110	49	310	170	ND	ND	0.062	0.18	0.035	0.019	0.22	310	ND	ND	1,030	ND
32S/13E-30F03	4/12/2018	640	45	43	2.6	110	46	300	160	ND	0.15	0.066	0.14	0.036	0.021	0.16	300	ND	ND	980	0.035
32S/13E-30F03	1/11/2018	650	48	45	2.8	120	51	310	170	ND	0.13	0.044	0.15	0.041	0.021	0.26	310	ND	ND	966	0.037
32S/13E-30F03	10/11/2017	660	47	42	2.6	110	50	320	170	ND	0.13	0.067	0.13	0.037	0.021	0.2	320	ND	ND	996	0.056
32S/13E-30F03	7/12/2017	750	46	44	3	120	53	280	170	ND	ND	0.064	0.14	0.035	0.023	0.2	280	ND	ND	980	0.046
32S/13E-30F03	4/12/2017	640	48	45	2.9	120	51	310	170	ND	ND	0.076	0.16	0.035	0.022	0.22	310	ND	ND	972	0.065
32S/13E-30F03	1/10/2017	670	49	44	2.7	120	51	330	170	ND	ND	0.064	0.13	0.045	0.023	0.31	330	ND	ND	993	0.14
32S/13E-30F03	10/11/2016	680	48	41	2.6	110	49	320	170	ND	0.11	0.056	0.13	0.042	0.02	0.22	320	ND	ND	992	ND
32S/13E-30F03	7/20/2016	660	47	44	2.9	110	51	320	170	<0.022	<0.080	0.062	0.12	0.032	0.023	0.20	320	<4.1	<4.1	992	0.04
32S/13E-30F03	4/13/2016	650	47	42	2.7	110	51	310	170	<0.022	0.2	0.072	0.13	0.028	0.021	0.22	310	<4.1	<4.1	981	0.03
32S/13E-30F03	1/14/2016	580	49	45	2.8	120	52	310	180	0.05	0.1	0.061	0.2	<0.010	0.025	0.21	310	<4.1	<4.1	947	0.054
32S/13E-30F03	10/14/2015	660	44	38	2.8	100	44	306	160	<0.05	<1	<0.05	0.13	0.028	0.021	0.10	306	<10	<10	990	<0.05
32S/13E-30F03	7/15/2015	670	45	45	1.9	120	51	305	170	<0.05	<1	0.060	0.11	0.03	0.019	<0.1	305	<10	<10	990	<0.05
32S/13E-30F03	4/15/2015	650	46	35	2.3	99	44	300	170	<0.05	<1	0.056	0.126	0.02	0.015	0.1	300	<10	<10	950	<0.05
32S/13E-30F03	1/14/2015	670	46	36	2.2	100	45	310	180	<0.05	<1	0.05	0.121	0.02	0.016	<0.1	310	<10	<10	950	0.01
32S/13E-30F03	10/14/2014	660	41	35	3.0	99	42	310	150	<0.05	<1	<0.05	<0.1	0.011	0.017	<0.1	310	<10	<10	990	<0.05
32S/13E-30F03	7/30/2014	660	44	38	2.6	96	46	300	160	<0.05	<1	0.28	0.12	0.02	0.015	<0.1	300	<10	<10	990	<0.05
32S/13E-30F03	4/16/2014	640	44	36	3.3	55	38	310	169	<0.05	<1	0.062	0.12	0.02	0.011	0.11	310	<10	<10	990	<0.05
32S/13E-30F03	1/15/2014	650	45	35	2.5	90	41	300	173	<0.05	<1	<0.05	0.13	0.01	0.015	0.12	300	<10	<10	990	<0.05
32S/13E-30F03	10/15/2013	670	41	40	2.7	100	44	280	179	<0.05	<1	<0.05	0.14	0.02	0.016	<0.1	280	<10	<10	990	<0.05
32S/13E-30F03	7/10/2013	650	50	33	2.4	100	43	290	140	13.5	<1	0.055	<0.1	0.02	0.017	0.23	290	<10	<10	990	<0.05
32S/13E-30F03	4/11/2013	670	45	36	2.7	94	42	300	170	<0.05	<1	0.06	0.13	0.02	0.016	0.12	300	<10	<10	990	<0.05
32S/13E-30F03	1/15/2013	630	45	36	2.3	92	41	295	180	<0.05	<1	0.06	0.11	<0.01	0.015	<0.1	295	<10	<10	980	<0.05
32S/13E-30F03	10/30/2012	650	43	40	3.1	100	46	280	170	<0.05	<1	0.06	<0.1	0.03	0.016	<0.1	280	<10	<10	990	0.02
32S/13E-30F03	7/24/2012	640	51	36	2.7	81	37	296	180	<0.05	<1	<0.1	0.17	<0.01	0.016	0.2	296	<10	<10	990	<0.05
32S/13E-30F03	4/19/2012	640	54	32	2.3	84	36	290	180	<0.1	<1	<0.1	<0.2	0.01	0.014	<0.2	290	<10	<10	990	<0.1
32S/13E-30F03	1/12/2012	660	46	39	2.1	94	42	280	160	<0.1	<1	<0.1	0.2	0.025	0.016	<0.2	280	<10	<10	990	<0.1
32S/13E-30F03	11/21/2011	650	43	33	2.6	93	39	290	160	<0.05	<1	0.04	0.15	0.028	0.016	<0.1	290	<10	<10	960	<0.1
32S/13E-30F03	7/25/2011	650	47	46	5.1	73	31	190	170.5	<0.05	<1	<0.1	0.155	0.02	0.025	<0.1	190	<5	<5	900	<0.1
32S/13E-30F03	4/21/2011	650	48	40	3.8	91	34	280	179	<0.05	<1	0.1	0.2	0.029	0.015	0.11	280	<2.0	<2.0	1,000	NA
32S/13E-30F03	1/24/2011	650	46	36	4.7	87	38	300	170	<0.05	<1.0	0.11	0.17	0.24	0.016	<0.1	300	<2.0	<2.0	990	<0.1
32S/13E-30F03	10/28/2010	650	46	37	2.7	100	43	280	160	<0.1	<1.0	0.10	<0.1	NA	0.032	<0.3	280	<10	<10	1,000	0.53
32S/13E-30F03	7/26/2010	608	45	43.8	2.94	107	46.8	294	160	1.3	0.84	0.0479	< 0.10	0.10	0.129	0.24	294	< 1.0	< 1.0	900	7.55
32S/13E-30F03	4/27/2010	668	48	40.8	2.91	101	44.7	304	160	0.21	0.84	0.0733	0.14	0.11	0.0694	0.23	304	< 1.0	< 1.0	940	2.62
32S/13E-30F03	1/28/2010	656	40	43.1	3.91	112	47.2	310	180	< 0.20	2.8	0.0833	0.13	< 0.10	0.287	0.21	310	< 1.0	< 1.0	980	4.80
32S/13E-30F03	10/19/2009	626	48	43.3	3.14	108	46.2	308	170	< 0.10	1.8	0.0646	0.22	< 0.10	0.255	0.17	308	< 1.0	< 1.0	910	2.09
32S/13E-30F03	8/19/2009	672	45	43.1	3.15	111	44.3	290	170	< 0.10	2.5	NA	0.14	< 0.10	0.468	0.19	290	< 1.0	< 1.0	980	18.5
32S/13E-30F03	5/12/2009	678	49	44.8	3.32	109	42.9	276	180	NA	NA	NA	0.17	NA	0.146	0.18	276	< 1.0	< 1.0	960	1.16
32S/13E-30F03	3/27/1996	686	41	40	3.4	109	48	379	197	0.0452	NA	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l	
32S/13E-30F03	6/7/1976	616	43	41	2.6	96	49	333	190	0.0904	NA	0.05	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
32S/13E-30F03	1/19/1966	642	69	49	4	109	40	321	182	1	NA	0.05	0.3	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/13E-30N01	10/12/2020	870	120	97	28.0	82.0	60	330	160	0	0.68	0.21	0.370	0.020	0.11	1.20	330	0	0	1,260	2.7
32S/13E-30N01	4/21/2020	810	130	110	31.0	84.0	60	390	130	0	0.68	0.22	0.330	0.017	0.12	0.98	390	0	0	1,340	3.0
32S/13E-30N01	10/15/2019	830	150	110	32.0	86.0	57	330	170	0	0.66	0.22	0.320	0.018	0.12	1.30	330	0	0	1,340	2.6
32S/13E-30N01	4/9/2019	860	160	94	30	81	59	310	180	ND	0.64	0.23	0.36	0.012	0.11	1.2	310	ND	ND	1,370	2.8
32S/13E-30N01	10/10/2018	920	200	130	36	96	73	370	140	ND	0.62	0.21	0.36	0.017	0.14	0.85	370	ND	ND	1,500	3.0
32S/13E-30N01	4/11/2018	800	140	110	31	73	55	290	150	ND	0.73	0.2	0.36	0.017	0.1	1.1	290	ND	ND	1,280	2.4
32S/13E-30N01	10/11/2017	870	150	120	31	78	57	320	170	ND	0.68	0.24	0.38	0.019	0.12	1.5	320	ND	ND	1,350	3
32S/13E-30N01	4/11/2017	960	260	160	35	92	73	350	150	ND	0.84	0.23	0.42	0.015	0.14	1.5	350	ND	ND	1,690	3.9
32S/13E-30N01	10/12/2016	900	180	130	32	77	61	290	180	ND	0.53	0.19	0.34	0.021	0.11	1.7	290	ND	ND	1,420	2.7
32S/13E-30N01	4/12/2016	790	110	110	27	55	46	230	190	0.05	0.5	0.18	0.42	0.013	0.1	1.7	230	<8.2	<8.2	1,190	1.7
32S/13E-30N01	10/15/2015	740	120	100	27	52	41	250	190	<0.05	<1	0.18	0.43	0.032	0.072	1.3	250	<10	<10	1,220	1.8
32S/13E-30N01	4/14/2015	930	190	130	28	69	54	360	170	<0.05	1.4	0.23	0.334	0.01	0.087	1.2	360	<10	<10	1,500	2.5
32S/13E-30N01	1/14/2015	845	170	110	29.0	71	54	320	180	<0.05	<1	0.21	0.332	0.01	0.087	1.2	320	<10	<10	1,360	2.3
32S/13E-30N01	10/15/2014	790	140	110	30.0	62	53	300	160	0.68	<1	0.21	0.29	<0.01	0.084	1.2	300	<10	<10	1,350	2.5
32S/13E-30N01	7/30/2014	800	150	110	27.0	61	52	310	160	<0.05	<1	0.81	0.33	0.01	0.081	1.1	310	<10	<10	1,360	2.4
32S/13E-30N01	4/16/2014	850	160	112	26.0	55	43	310	170	<0.05	<1	0.20	0.33	0.01	0.077	1.3	310	<10	<10	1,410	2.4
32S/13E-30N01	1/15/2014	790	154	110	26.0	56	45	260	190	<0.05	<1	0.19	0.41	<0.01	0.077	1.4	260	<10	<10	1,340	2.5
32S/13E-30N01	10/15/2013	950	200	140	32.0	74	60	330	180	<0.05	<1	0.21	0.33	0.01	0.095	1.3	330	<10	<10	1,570	2.8
32S/13E-30N01	7/10/2013	830	175	120	29.0	71	54	310	185	<0.05	<1	0.22	0.32	0.01	0.087	0.84	310	<10	<10	1,430	2.3
32S/13E-30N01	4/10/2013	860	180	120	29.0	67	54	320	180	<0.05	1.1	0.21	0.31	0.01	0.087	1.2	320	<10	<10	1,470	2.5
32S/13E-30N01	1/14/2013	800	170	120	32.0	66	53	280	200	<0.05	1.1	0.22	0.26	<0.01	0.09	1.2	280	<10	<10	1,380	2.5
32S/13E-30N01	10/29/2012	900	180	120	34.0	77	60	300	190	<0.05	<1	0.21	0.40	0.011	0.098	1.2	300	<10	<10	1,500	2.8
32S/13E-30N01	7/23/2012	840	190	120	31.0	56	45	266	200	<0.05	<1	0.22	0.43	<0.01	0.096	1.2	266	<10	<10	1,370	2.3
32S/13E-30N01	4/18/2012	1,050	280	140	31.0	59	47	330	210	<0.1	1.4	0.2	0.50	<0.01	0.078	1.3	330	<10	<10	1,680	2.4
32S/13E-30N01	1/9/2012	1,050	260	170	34.0	68	52	307	200	<0.05	2.7	0.21	0.41	<0.01	0.088	1.9	307	<10	<10	1,760	2.9
32S/13E-30N01	11/17/2011	1,300	360	320	40	90	69	390	220	<0.1	<1	0.23	0.38	0.017	0.11	2.5	390	<10	<10	2,210	3.4
32S/13E-30N01	7/25/2011	1,680	445	230	42	99	81	380	255.5	<0.05	1.2	0.21	<0.1	<0.01	0.12	3.016	380	<5	<5	2,480	4.2
32S/13E-30N01	4/20/2011	890	210	130	26	68	46	180	215	<0.05	<1	0.24	0.39	0.013	0.086	4.57	180	<2.0	<2.0	1,550	NA
32S/13E-30N01	1/24/2011	870	180	100	28	84	46	240	210	<0.05	<1.0	<0.1	0.34	0.12	0.24	3.63	240	<2.0	<2.0	1,430	18
32S/13E-30N01	10/21/2010	890	190	120	26	58	45	246	200	<0.1	<1.0	<0.1	0.37	NA	0.078	2.3	246	<10	<10	1,498	<0.1
32S/13E-30N01	7/27/2010	917	200	130	30.0	75.0	56.2	241	220	< 0.10	< 0.50	0.165	0.29	0.23	0.101	2.8	241	< 1.0	< 1.0	1,400	2.61
32S/13E-30N01	4/27/2010	808	150	130	29	136	55.6	286	210	0.76	1.7	0.171	0.37	0.19	0.276	2.6	286	< 1.0	< 1.0	1,300	20.4
32S/13E-30N01	1/26/2010	902	210	155	33.5	156	66.4	307	230	< 0.10	1.7	0.317	0.30	0.12	0.333	3.2	307	< 1.0	< 1.0	1,500	27.3
32S/13E-30N01	10/20/2009	828	200	159	34.3	118	59.8	238	230	< 0.10	1.3	0.241	0.38	< 0.10	0.157	3.2	238	< 1.0	< 1.0	1,300	5.33
32S/13E-30N01	8/20/2009	835	160	150	27.8	121	49.4	235	220	< 0.10	1.3	NA	0.37	0.12	0.228	2.9	235	< 1.0	< 1.0	1,400	15.9
32S/13E-30N01	5/11/2009	960	180	175	33.5	86.7	46.2	274	220	NA	NA	NA	0.36	NA	0.113	3.2	274	< 1.0	< 1.0	1,500	2.26

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/13E-30N02	10/12/2020	1,100	50	73	4.7	150.0	61	190	510	0	0.00	0.15	0.110	0.000	0.00	0.13	190	0	0	1,350	0.0
32S/13E-30N02	7/7/2020	1,100	50	77	4.7	160.0	62	190	510	0	0.20	0.16	0.096	0.100	0.01	0.16	190	8	8	1,350	0.1
32S/13E-30N02	4/21/2020	1,000	49	71	4.5	150.0	56	190	500	0	0.22	0.15	0.120	0.000	0.00	0.13	190	0	0	1,370	0.1
32S/13E-30N02	1/15/2020	1,100	49	77	4.9	160.0	61	190	980	0	0.15	0.15	0.077	0.000	0.00	0.13	190	0	0	1,300	0.1
32S/13E-30N02	10/15/2019	1,000	49	77	4.8	160.0	58	190	510	0	0.10	0.16	0.088	0.000	0.00	0.17	190	0	0	1,350	0.2
32S/13E-30N02	7/9/2019	940	48	73	4.6	150.0	64	190	470	0	0.45	0.15	0.096	0.000	0.00	0.12	190	0	0	1,340	0.0
32S/13E-30N02	4/9/2019	1,000	50	64	4.6	140	56	190	480	0.2	0.14	0.15	0.12	ND	ND	0.14	190	ND	ND	1,350	0.04
32S/13E-30N02	1/9/2019	960	50	67	4.6	150	59	190	490	0.2	0.19	0.15	0.12	ND	ND	0.16	190	ND	ND	1,360	ND
32S/13E-30N02	10/10/2018	940	50	75	4.9	150	64	190	500	0.18	0.16	0.16	0.069	ND	ND	0.09	190	ND	ND	1,340	0.22
32S/13E-30N02	7/12/2018	1,000	47	66	4.5	140	59	190	480	0.19	0.19	0.14	0.099	ND	ND	0.12	190	ND	ND	1,390	0.17
32S/13E-30N02	4/11/2018	1,100	46	76	4.9	160	65	190	480	0.17	0.15	0.16	0.097	ND	0.007	0.14	190	ND	ND	1,350	0.41
32S/13E-30N02	1/11/2018	980	49	77	4.6	150	63	190	510	0.19	0.10	0.15	0.13	ND	ND	0.16	190	ND	ND	1,330	0.2
32S/13E-30N02	10/11/2017	1,000	46	70	4.8	160	65	200	510	0.19	0.19	0.17	0.11	ND	0.005	0.27	200	ND	ND	1340	0.28
32S/13E-30N02	7/11/2017	1,100	49	74	4.8	150	64	190	480	0.2	0.13	0.15	0.08	ND	0.023	0.16	190	ND	ND	1,360	2.0
32S/13E-30N02	4/11/2017	980	50	74	4.8	160	64	190	510	0.2	0.12	0.14	0.14	ND	ND	0.18	190	ND	ND	1,320	0.2
32S/13E-30N02	1/13/2017	980	49	80	5.1	170	69	200	490	0.19	0.12	0.16	0.078	ND	0.011	0.16	200	ND	ND	1,340	0.63
32S/13E-30N02	10/12/2016	1,000	50	77	5	160	69	200	500	0.18	ND	0.15	0.11	ND	ND	0.27	200	ND	ND	1370	ND
32S/13E-30N02	7/19/2016	1,000	48	78	5	160	68	200	500	0.2191	0.17	0.15	0.11	<0.010	<0.0040	0.2	200	<8.2	<8.2	1,350	<0.030
32S/13E-30N02	4/12/2016	1,000	44	72	4.8	150	67	190	470	0.2	<0.080	0.14	0.096	<0.010	<0.0040	0.21	190	<8.2	<8.2	1,390	<0.030
32S/13E-30N02	1/13/2016	990	48	74	4.9	150	64	190	520	0.27	0.12	0.14	0.22	<0.010	<0.0040	<0.046	190	<8.2	<8.2	1,300	0.041
32S/13E-30N02	10/15/2015	1,040	47	64	4.6	140	60	192	480	0.72	<1	0.13	0.18	<0.01	<0.005	<0.10	192	<10	<10	1,350	<0.05
32S/13E-30N02	7/16/2015	1,030	49	82	4.4	170	70	190	480	1.4	1.52	0.15	<0.1	<0.01	<0.005	0.11	190	<10	<10	1,360	<0.05
32S/13E-30N02	4/14/2015	840	47	61	4.3	130	58	190	500	0.576	<1	0.14	<0.3	<0.01	<0.005	<0.3	190	<10	<10	1,330	<0.05
32S/13E-30N02	1/14/2015	1,050	50	62	4.2	140	59	190	520	0.40	<1	0.13	0.115	<0.01	<0.005	<0.1	190	<10	<10	1,320	<0.05
32S/13E-30N02	10/15/2014	1,040	44	65	5.0	140	58	200	440	0.77	<1	0.13	<0.1	<0.01	<0.005	<0.1	200	<10	<10	1,370	<0.05
32S/13E-30N02	7/30/2014	1,020	45	66	4.6	140	60	220	470	0.51	<1	0.10	0.13	<0.01	<0.005	<0.4	220	<10	<10	1,340	<0.05
32S/13E-30N02	4/16/2014	1,040	46	66	5.0	120	50	190	520	0.47	<1	0.14	0.1	<0.01	<0.005	<0.1	190	<10	<10	1,350	<0.05
32S/13E-30N02	1/15/2014	1,060	45	60	4.1	120	49	190	477	0.65	1.1	0.13	0.43	<0.01	<0.005	<0.2	190	<10	<10	1,370	<0.05
32S/13E-30N02	10/15/2013	1,030	46	70	4.9	140	58	190	541	0.46	<1	0.12	0.18	<0.01	<0.005	<0.2	190	<10	<10	1,360	<0.05
32S/13E-30N02	7/10/2013	1,020	50	61	4.5	140	59	185	500	0.63	<1	0.14	0.12	<0.01	<0.005	<0.1	185	<10	<10	1,370	<0.05
32S/13E-30N02	4/10/2013	1,080	48	60	4.3	120	52	185	500	0.50	<1	0.15	<0.2	<0.01	<0.005	<0.2	185	<10	<10	1,360	<0.05
32S/13E-30N02	1/14/2013	1,010	48	63	4.5	120	53	188	530	0.40	<1	0.14	<0.2	<0.01	<0.005	<0.2	188	<10	<10	1,350	0.07
32S/13E-30N02	10/29/2012	1,030	40	68	5.0	140	58	180	500	<0.25	<1	0.14	<0.5	<0.01	<0.005	<0.5	180	<10	<10	1,360	<0.05
32S/13E-30N02	7/23/2012	1,040	54	63	4.5	110	48	188	510	0.13	<1	0.15	0.15	<0.01	0.01	<0.1	188	<10	<10	1,360	<0.05
32S/13E-30N02	4/18/2012	990	60	56	4.2	110	47	190	560	0.14	<1	0.12	0.21	<0.01	<0.005	0.28	190	<10	<10	1,360	<0.1
32S/13E-30N02	1/11/2012	1,040	49	64	4.9	130	54	180	460	1.30	<1	0.17	0.16	<0.02	<0.005	<0.2	180	<10	<10	1,360	<0.1
32S/13E-30N02	11/21/2011	1,020	46	57	4.5	130	54	180	450	0.15	<1	0.15	<0.2	<0.01	<0.005	<0.2	180	<10	<10	1,360	<0.1
32S/13E-30N02	7/25/2011	1,050	50	81	7.7	150	62	180	479.1	0.15	<1	0.16	0.144	<0.01	0.006	<0.1	180	<5	<5	1,370	0.49
32S/13E-30N02	4/20/2011	1,030	52	63	5.4	130	44	180	508	0.17	<1	0.19	0.2	<0.01	<0.005	<0.1	180	<2.0	<2.0	1,380	NA
32S/13E-30N02	1/24/2011	1,050	50	60	6.4	120	49	190	490	0.24	<1.0	0.17	0.17	<0.10	0.064	<0.1	190	<2.0	<2.0	1,380	0.12
32S/13E-30N02	10/21/2010	1,040	48	52	3.5	100	45	181	460	0.15	<1.0	<0.1	<0.1	NA	<0.005	<0.3	181	<10	<10	1,377	<0.1
32S/13E-30N02	7/27/2010	777	57	67.6	7.31	141	58.5	190	470	0.3	3.5	0.138	< 0.10	0.11	0.102	0.28	190	< 1.0	< 1.0	1,300	3.43
32S/13E-30N02	4/27/2010	800	93	71.9	12.50	108	46.3	159	300	7.0	3.2	0.123	0.13	0.11	0.0776	0.7	159	< 1.0	< 1.0	1,100	3.27
32S/13E-30N02	2/25/2010	1,000	48	71.4	4.70	141	58.1	195	490	0.16	< 0.50	0.15	0.15	< 0.10	0.0393	0.16	195	< 1.0	< 1.0	1,300	3.30
32S/13E-30N02	2/25/2010	1,010	74	76.9	10.2	138	55.8	195	440	0.13	2.4	0.142	0.16	< 0.10	0.0579	0.24	195	< 1.0	< 1.0	1,400	1.69
32S/13E-30N02	1/26/2010	970	50	74.2	4.77	152	62.2	195	510	0.14	< 0.50	0.129	0.11	< 0.10	< 0.00500	0.16	195	< 1.0	< 1.0	1,300	< 0.100
32S/13E-30N02	10/20/2009	2,080	690	274	151	239	101.0	220	400	< 0.10	7.0	0.201	0.16	0.87	0.398	2.0	220	< 1.0	< 1.0	2,800	5.50
32S/13E-30N02	8/20/2009	1,350	500	199	82.2	123	49.0	199	220	6.4	6.3	NA	0.23	0.14	0.339	2.8	199	< 1.0	< 1.0	2,100	4.91

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l	
32S/13E-30N02	5/11/2009	1,290	170	129	52	137	66.9	176	470	NA	NA	NA	0.18	NA	0.128	0.56	176	< 1.0	< 1.0	1,800	5.24	
32S/13E-30N02	3/27/1996	1,050	50	71	5.5	145	60	243	516	0.2033	NA	0.23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
32S/13E-30N02	6/7/1976	1,093	48	62	4.7	150	60	248	484	0	NA	0.13	0.7	NA	NA	NA	NA	NA	NA	NA	NA	NA
32S/13E-30N02	1/21/1966	1,069	54	71	5	148	63	232	483	0	NA	0.12	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS	Chloride	Sodium	Potassium	Calcium	Magnesium	Bicarbonate as CaCO3	Sulfate	Nitrate (as N)	Total Kjeldahl Nitrogen	Boron	Fluoride	Iodide	Manganese	Bromide	Total Alkalinity as CaCO3	Carbonate as CaCO3	Hydroxide as CaCO3	Specific Conductivity	Iron
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm
32S/13E-30N03	10/12/2020	600	66	58	3.2	74.0	32	140	140	16	0.13	0.09	0.180	0.000	0.00	0.75	140	0	0	848	0.0
32S/13E-30N03	7/7/2020	590	73	62	3.3	75.0	32	140	140	17	0.16	0.10	0.160	0.100	0.00	0.86	140	4	4	872	0.1
32S/13E-30N03	4/21/2020	590	69	57	3.2	71.0	30	140	140	16	0.17	0.08	0.220	0.000	0.09	0.77	140	0	0	882	0.1
32S/13E-30N03	1/15/2020	630	68	60	3.3	78.0	32	140	140	17	0.00	0.09	0.150	0.000	0.01	0.65	140	0	0	834	0.2
32S/13E-30N03	10/15/2019	560	67	60	3.2	76.0	31	150	140	17	0.14	0.09	0.170	0.000	0.11	0.86	150	0	0	875	0.2
32S/13E-30N03	7/9/2019	640	67	55	3.0	72.0	33	140	130	16	0.14	0.08	0.180	0.000	0.00	0.77	140	0	0	860	0.0
32S/13E-30N03	4/9/2019	580	71	51	3.1	68	30	150	130	16	0.18	0.09	0.2	ND	0.03	0.60	150	ND	ND	867	ND
32S/13E-30N03	1/9/2019	560	69	54	3.2	72	31	150	130	16	0.084	0.087	0.2	ND	ND	0.71	150	ND	ND	858	ND
32S/13E-30N03	10/10/2018	540	68	59	3.4	71	32	150	130	16	ND	0.091	0.21	ND	0.012	0.53	150	ND	ND	847	0.030
32S/13E-30N03	7/12/2018	550	62	54	3.2	69	31	150	120	15	0.16	0.084	0.17	ND	0.063	0.61	150	ND	ND	866	0.076
32S/13E-30N03	4/11/2018	590	62	58	3.3	72	33	150	120	14	0.19	0.094	0.16	ND	0.006	0.51	150	ND	ND	839	ND
32S/13E-30N03	1/11/2018	580	64	61	3.3	74	34	150	140	14	0.20	0.088	0.19	ND	0.33	0.61	150	ND	ND	836	0.12
32S/13E-30N03	10/11/2017	580	63	54	3.2	73	33	150	130	15	0.24	0.1	0.16	ND	0.86	0.64	150	ND	ND	836	0.59
32S/13E-30N03	7/11/2017	560	64	60	3.2	77	34	150	140	14	0.1	0.089	0.14	ND	0.54	0.66	150	ND	ND	871	0.18
32S/13E-30N03	4/11/2017	560	69	62	3.6	82	36	160	140	14	0.12	0.08	0.15	ND	0.62	0.69	160	ND	ND	866	0.43
32S/13E-30N03	1/12/2017	580	69	62	3.6	83	38	170	150	14	0.13	0.088	0.13	ND	3.3	0.74	170	ND	ND	878	1.5
32S/13E-30N03	10/12/2016	580	68	62	3.5	80	37	170	140	15	ND	0.088	0.16	ND	0.56	0.76	170	ND	ND	879	0.17
32S/13E-30N03	7/19/2016	580	66	61	3.6	75	36	160	130	14.683	0.20	0.084	0.16	<0.010	0.030	0.76	160	<4.1	<4.1	864	<0.030
32S/13E-30N03	4/12/2016	610	69	60	3.4	75	36	160	130	14.457	0.16	0.078	0.18	<0.010	0.0095	0.78	160	<4.1	<4.1	895	<0.05
32S/13E-30N03	1/13/2016	570	72	62	3.4	77	35	160	140	15	0.15	0.083	0.22	<0.010	0.0089	0.66	160	<4.1	<4.1	867	0.079
32S/13E-30N03	10/15/2015	570	63	54	3.3	69	32	162	130	15	<1	0.0161	0.23	<0.01	0.015	0.56	162	<10	<10	860	<0.05
32S/13E-30N03	7/16/2015	580	65	65	3.0	81	35	160	140	15	15.3	0.079	0.14	0.45	0.011	0.46	160	<10	<10	880	<0.05
32S/13E-30N03	4/14/2015	580	65	49	2.9	65	31	160	140	15.2	<1	0.078	<0.1	<0.01	<0.005	0.47	160	<10	<10	860	<0.05
32S/13E-30N03	1/14/2015	610	68	53	3.0	73	34	170	150	15	<1	0.074	0.151	<0.01	0.0540	0.43	170	<10	<10	870	0.49
32S/13E-30N03	10/15/2014	560	59	52	3.5	67	32	160	130	14	0.54	0.066	0.14	<0.01	<0.005	0.452	160	<10	<10	890	<0.05
32S/13E-30N03	7/30/2014	580	65	55	3.2	69	32	170	130	15	<1	<0.1	0.16	<0.01	<0.005	0.34	170	<10	<10	910	<0.05
32S/13E-30N03	4/16/2014	610	63	55	4.3	65	29	170	140	13.00	<1	0.08	0.15	<0.01	0.058	0.38	170	<10	<10	910	<0.05
32S/13E-30N03	1/15/2014	610	66	54	3.2	67	31	170	149	14.8	15	<0.1	0.16	<0.01	0.065	0.46	170	<10	<10	910	0.27
32S/13E-30N03	10/15/2013	580	60	57	3.3	71	32	170	150	14	<1	0.057	0.16	<0.01	0.370	0.41	170	<10	<10	910	0.1
32S/13E-30N03	7/10/2013	590	60	48	3.1	71	31	160	150	15.1	<1	0.074	0.18	<0.01	1.3	0.17	160	<10	<10	900	0.43
32S/13E-30N03	4/10/2013	600	66	53	3.3	69	31	160	150	15	<1	0.11	0.2	<0.01	0.064	0.35	160	<10	<10	910	<0.05
32S/13E-30N03	1/14/2013	570	66	55	3.4	68	30	165	150	15	<1	0.093	0.2	<0.01	0.028	0.27	165	<10	<10	900	0.084
32S/13E-30N03	10/29/2012	610	60	56	3.7	74	33	155	148	14	<1	0.081	0.2	<0.01	0.027	0.3	155	<10	<10	900	0.04
32S/13E-30N03	7/23/2012	600	71	56	3.5	61	28	152	200	<0.05	<1	0.1	<0.1	<0.002	0.120	0.3	152	<10	<10	890	0.44
32S/13E-30N03	4/18/2012	570	80	47	3.0	57	25	150	150	16	<1	0.1	0.3	<0.01	<0.005	0.28	150	<10	<10	880	<0.1
32S/13E-30N03	1/11/2012	570	67	55	3.9	68	30	140	130	14	<1	0.1	0.2	<0.02	0.0510	0.39	140	<10	<10	870	0.17
32S/13E-30N03	11/21/2011	600	67	47	3.2	64	28	140	130	15	1.2	0.088	0.2	<0.01	<0.005	0.62	140	<10	<10	850	<0.1
32S/13E-30N03	7/25/2011	590	67	47	5.0	54	24	290	139.8	15	<1	<0.1	0.2	<0.01	0.0520	0.79	290	<5	<5	890	0.14
32S/13E-30N03	4/20/2011	580	76	58	4.2	62	23	140	142	16	<1	0.12	0.2	<0.1	0.0510	0.92	140	<2.0	<2.0	890	NA
32S/13E-30N03	1/24/2011	570	76	48	4.8	55	25	130	130	16	<1.0	0.12	0.2	<0.10	0.0088	1.7	130	<2.0	<2.0	900	<0.1
32S/13E-30N03	10/21/2010	550	69	59	3.3	65	31	133	130	15	<1.0	<0.1	0.1	NA	<0.005	1.1	133	<10	<10	886	<0.1
32S/13E-30N03	7/27/2010	528	72	55.1	3.41	68.7	31.0	139	130	15.0	< 0.50	0.0672	0.14	0.11	< 0.00500	1.3	139	< 1.0	< 1.0	860	< 0.100
32S/13E-30N03	4/27/2010	672	89	60.6	3.65	70.6	32.5	134	130	14.0	< 0.50	0.0779	0.18	0.11	< 0.00500	1.2	134	< 1.0	< 1.0	870	< 0.100
32S/13E-30N03	1/26/2010	606	110	75.0	4.51	77.8	34.3	126	130	14	1.4	0.0654	0.15	< 0.10	0.0130	1.3	126	< 1.0	< 1.0	990	0.653
32S/13E-30N03	10/20/2009	806	180	93.3	25.5	92.3	41.5	162	150	9.7	2.2	0.107	0.26	< 0.10	0.245	1.4	162	< 1.0	< 1.0	1,200	0.344
32S/13E-30N03	8/20/2009	1,070	190	151	61.6	112	44.2	130	130	16	3.4	NA	0.20	< 0.10	0.151	1.6	130	< 1.0	< 1.0	1,700	1.93
32S/13E-30N03	5/12/2009	602	97	63.4	3.96	72.9	32.2	122	120	NA	NA	NA	0.22	NA	24	1.2	122	< 1.0	< 1.0	900	2.24
32S/13E-30N03	3/27/1996	624	70	62	4	78	35	150	161	24.126	NA	0.13	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l	
32S/13E-30N03	6/7/1976	705	90	54	2.9	99	43	189	168	25.413	NA	0.08	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
32S/13E-30N03	1/21/1966	804	57	54	3	132	59	410	250	1	NA	0.08	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/13E-31H10	10/7/2020	660	33	35	2.6	97.0	47	350	150	0	0.23	0.08	0.180	0.008	0.14	0.12	350	0	0	965	4.8
32S/13E-31H10	7/7/2020	510	42	51	5.0	27.0	48	220	99	0	0.10	0.08	0.052	0.022	0.17	0.20	220	4	4	720	1.9
32S/13E-31H10	4/21/2020	430	38	50	5.3	21.0	44	220	73	0	0.28	0.07	0.055	0.020	0.13	0.14	220	0	0	669	1.9
32S/13E-31H10	1/14/2020	520	36	42	3.7	80.0	51	310	130	0	0.11	0.08	0.160	0.014	0.20	0.09	310	0	0	843	4.4
32S/13E-31H10	10/14/2019	630	34	42	3.9	110.0	52	350	150	0	0.00	0.08	0.140	0.000	0.20	0.00	350	0	0	974	6.6
32S/13E-31H10	7/9/2019	650	44	50	3.4	110.0	57	320	200	0	0.24	0.09	0.180	0.026	0.21	0.19	320	0	0	1,030	6.0
32S/13E-31H10	4/9/2019	630	43	48	3.4	100	50	320	200	ND	0.17	0.099	0.21	0.015	0.18	0.15	320	ND	ND	1,040	4.8
32S/13E-31H10	1/8/2019	620	35	41	3.3	100	54	340	160	ND	0.17	0.081	0.18	0.012	0.16	0.14	340	ND	ND	973	5.6
32S/13E-31H10	10/9/2018	590	33	45	5.3	88	54	330	120	ND	0.20	0.075	0.11	0.011	0.16	0.08	330	ND	ND	916	6.5
32S/13E-31H10	7/12/2018	510	34	46	6.0	45	54	300	96	ND	0.23	0.080	0.12	0.012	0.12	0.16	300	ND	ND	846	3.8
32S/13E-31H10	4/10/2018	690	41	51	3.5	120	55	310	200	ND	0.16	0.089	0.19	0.016	0.21	0.15	310	ND	ND	1,020	4.7
32S/13E-31H10	1/10/2018	660	35	44	3.3	110	56	350	170	ND	0.23	0.075	0.20	0.016	0.2	0.17	350	ND	ND	1,020	5.3
32S/13E-31H10	10/11/2017	640	33	41	3.1	120	57	360	160	ND	0.38	0.083	0.18	ND	0.21	0.13	450	89	ND	1070	4.3
32S/13E-31H10	7/11/2017	720	36	48	3.8	120	60	350	170	ND	0.17	0.09	0.15	0.011	0.17	0.13	350	ND	ND	1,020	4.7
32S/13E-31H10	4/12/2017	600	39	47	3.4	120	62	340	190	ND	ND	0.09	0.19	0.013	0.19	0.22	340	ND	ND	1,020	5.2
32S/13E-31H10	1/13/2017	670	34	45	3.4	130	60	370	180	ND	0.16	0.076	0.17	0.014	0.22	0.1	370	ND	ND	1,020	7.8
32S/13E-31H10	10/12/2016	700	33	40	3.2	120	59	380	170	ND	0.22	0.062	0.18	0.012	0.15	0.12	380	ND	ND	1040	5.3
32S/13E-31H10	7/20/2016	630	33	42	4.4	99	57	370	150	<0.022	0.3	0.068	0.14	<0.01	0.19	0.14	370	<8.2	<8.2	991	8.9
32S/13E-31H10	4/13/2016	670	37	46	3.4	120	57	350	180	<0.022	0.21	0.078	0.19	0.011	0.23	0.14	350	<8.2	<8.2	1,030	6.7
32S/13E-31H10	1/13/2016	380	37	49	9.9	6.8	46	170	54	<0.022	0.43	0.044	0.088	0.014	0.084	0.19	210	34	<4.1	603	2.2
32S/13E-31H10	10/14/2015	320	32	33	2.7	17	48	216	68	<0.05	<1	0.089	0.12	0.016	0.098	<0.10	227	11	<10	600	1.4
32S/13E-31H10	7/15/2015	330	34	44	3.4	15	54	195	81	<0.05	<1	0.082	<0.1	<0.01	0.081	<0.1	213	18	<10	610	0.98
32S/13E-31H10	4/16/2015	660	35	33	2.7	99	48	360	170	<0.05	<1	0.083	0.163	<0.01	0.17	<0.1	360	<10	<10	1,000	4.6
32S/13E-31H10	1/14/2015	760	55	56	3.0	110	50	300	250	<0.05	<1	0.11	0.159	0.021	0.17	<0.1	300	<10	<10	1,070	4.2
32S/13E-31H10	10/16/2014	720	41	46	3.7	110	53	330	200	<0.05	<1	0.10	<0.1	<0.01	0.17	<0.1	330	<10	<10	1,090	6.5
32S/13E-31H10	7/30/2014	660	34	35	2.4	95	49	420	160	<0.05	<1	<0.1	0.16	<0.01	0.17	<0.1	420	<10	<10	1,040	6.5
32S/13E-31H10	4/17/2014	890	55	70	5.4	100	45	250	380	<0.05	<1	0.15	0.12	0.01	0.31	0.13	250	<10	<10	1,260	4.9
32S/13E-31H10	1/16/2014	900	57	66	4.60	110	50	240	360	<0.05	<1	0.180	0.2	0.02	0.32	<0.1	240	<10	<10	1,260	6.0
32S/13E-31H10	10/16/2013	690	30	40	3.40	100	49	340	190	<0.05	<1	0.091	0.14	<0.01	0.23	<0.1	340	<10	<10	1,050	7.4
32S/13E-31H10	7/11/2013	860	60	50	4.40	110	47	240	340	<0.05	<1	0.18	0.15	0.02	0.28	<0.1	240	<10	<10	1,230	4.9
32S/13E-31H10	4/11/2013	900	60	69	4.60	110	47	250	350	0.82	<1	0.2	0.12	0.03	0.28	<0.2	250	<10	<10	1,250	5.7
32S/13E-31H10	1/16/2013	820	66	76	5.00	100	47	260	320	<0.1	<1	0.21	0.13	<0.01	0.31	<0.2	260	<10	<10	1,230	4.2
32S/13E-31H10	10/30/2012	780	65	75	4.70	100	46	255	280	<0.05	<1	0.19	0.14	0.04	0.23	<0.1	255	<10	<10	1,190	4
32S/13E-31H10	7/25/2012	830	76	80	5.30	96	45	250	310	<0.05	<1	0.22	0.15	0.04	0.24	<0.1	250	<10	<10	1,220	6.7
32S/13E-31H10	4/19/2012	790	87	69	4.50	52	37	250	270	<0.1	<1	0.19	0.21	0.05	0.17	<0.2	250	<10	<10	1,180	4
32S/13E-31H10	1/12/2012	760	76	85	4.00	79	40	270	190	<0.1	<1	0.23	0.21	0.069	0.23	<0.2	270	<10	<10	1,150	4.8
32S/13E-31H10	11/21/2011	720	39	38	3.40	96	43	320	180	<0.05	3.5	0.079	0.19	0.013	0.17	<0.1	320	<10	<10	1,050	4.8
32S/13E-31H10	7/25/2011	760	69	66	6.40	80	35	310	208.8	<0.05	<1	0.16	0.17	0.041	0.23	0.199	310	<5	<5	1,170	5.3
32S/13E-31H10	1/24/2011	310	98	22	8.1	34	9.2	19.0	53	<0.05	<1.0	<0.1	0.2	4.42	0.4	0.63	19.0	<2.0	<2.0	480	10
32S/13E-31H10	10/28/2010	290	81	26	9.3	64	11	160.0	68	<0.1	<1.0	<0.1	0.2	NA	0.85	0.36	160.0	<10	<10	520	38
32S/13E-31H10	7/26/2010	438	85	34.3	1.93	61.7	30.4	30.0	210	<0.10	<0.50	0.0435	0.58	0.22	1.46	0.32	30.0	<1.0	<1.0	690	36
32S/13E-31H10	4/26/2010	560	83	47.7	5.7	86.1	48.3	62	310	<0.10	0.84	<0.02	<0.1	0.56	2.54	0.31	62.0	<1.0	<1.0	880	233
32S/13E-31H10	1/27/2010	460	130	45.0	25.4	682	124	112	100	0.56	NA	<0.0200	0.21	0.25	32.4	0.49	112.0	<1.0	<1.0	760	4,360
32S/13E-31H10	10/20/2009	362	92	39.6	2.92	19.2	45.1	76.8	110	<0.10	<0.50	0.0697	<0.10	<0.10	0.242	0.39	80.0	3.2	<1.0	590	11.4
32S/13E-31H10	8/19/2009	420	160	48.4	3.37	49.9	20.4	17.6	54	<0.10	1.1	NA	<0.10	0.25	1.76	0.68	17.6	<1.0	<1.0	690	242
32S/13E-31H10	5/16/1983	665	35	40	NA	85	65	360	90	<4	NA	NA	0.2	NA	0.01	NA	360	ND	ND	950	0.10

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS	Chloride	Sodium	Potassium	Calcium	Magnesium	Bicarbonate as CaCO3	Sulfate	Nitrate (as N)	Total Kjeldahl Nitrogen	Boron	Fluoride	Iodide	Manganese	Bromide	Total Alkalinity as CaCO3	Carbonate as CaCO3	Hydroxide as CaCO3	Specific Conductivity	Iron
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm
32S/13E-31H11	10/7/2020	680	37	41	3.6	110.0	55	330	200	0	0.13	0.09	0.210	0.000	0.22	0.12	330	0	0	1,020	11.0
32S/13E-31H11	7/7/2020	410	62	69	5.2	3.1	41	140	57	0	0.20	0.11	0.056	0.051	0.02	0.32	170	36	4	636	0.9
32S/13E-31H11	4/21/2020	450	60	59	4.4	5.1	45	170	85	0	0.21	0.10	0.068	0.054	0.04	0.26	180	14	0	698	0.7
32S/13E-31H11	1/14/2020	680	73	76	3.6	110.0	44	300	210	0	0.11	0.17	0.200	0.075	0.18	0.26	300	0	0	1,070	3.8
32S/13E-31H11	10/14/2019	750	48	56	3.7	120.0	50	320	200	0	0.00	0.11	0.160	0.027	0.24	0.15	320	0	0	1,070	5.7
32S/13E-31H11	7/9/2019	650	61	73	4.0	110.0	52	310	210	0	0.17	0.16	0.170	0.054	0.24	0.28	310	0	0	1,110	5.9
32S/13E-31H11	4/9/2019	700	61	66	3.7	110	48	300	240	ND	0.18	0.140	0.20	0.041	0.19	0.27	300	ND	ND	1,140	3.7
32S/13E-31H11	1/8/2019	730	39	45	3.6	120	52	340	220	ND	0.14	0.087	0.18	0.016	0.24	0.13	340	ND	ND	1,090	8.2
32S/13E-31H11	10/9/2018	720	37	49	3.8	130	59	340	210	ND	0.24	0.091	0.15	0.015	0.23	0.08	340	ND	ND	1,090	8.2
32S/13E-31H11	7/12/2018	720	36	43	3.6	120	54	340	190	ND	0.27	0.082	0.17	0.014	0.25	0.15	340	ND	ND	1,110	7.2
32S/13E-31H11	4/10/2018	780	73	81	3.8	110	47	300	210	ND	0.090	0.17	0.18	0.066	0.24	0.40	300	ND	ND	1,130	7.3
32S/13E-31H11	1/10/2018	750	39	51	3.7	130	57	340	220	ND	0.17	0.089	0.20	0.021	0.28	0.16	340	ND	ND	1,090	5.9
32S/13E-31H11	10/11/2017	720	38	45	3.7	120	56	350	200	ND	0.22	0.13	0.18	0.015	0.22	0.14	350	ND	ND	1080	5.6
32S/13E-31H11	7/11/2017	820	43	53	3.9	130	58	320	230	ND	0.11	0.11	0.13	0.018	0.29	0.19	320	ND	ND	1,100	9.7
32S/13E-31H11	4/12/2017	720	45	53	3.8	120	56	320	250	ND	ND	0.11	0.17	0.022	0.25	0.18	320	ND	ND	1,100	6.3
32S/13E-31H11	1/13/2017	750	44	57	4	130	58	340	240	ND	0.11	0.11	0.13	0.024	0.29	0.15	340	ND	ND	1,100	7.20
32S/13E-31H11	10/12/2016	780	41	49	3.9	120	57	350	220	ND	0.12	0.097	0.16	0.021	0.28	0.16	350	ND	ND	1100	8.10
32S/13E-31H11	7/20/2016	420	120	64	6.8	4.3	38	60	39	<0.022	0.097	0.12	0.059	0.084	0.084	0.59	89	29	<4.1	617	9.0
32S/13E-31H11	4/13/2016	410	110	64	6.04	3.9	40	51	56	<0.022	<0.080	0.11	0.058	0.084	0.053	0.58	92	41	<4.1	628	6.7
32S/13E-31H11	1/13/2016	450	120	70	7.7	4.5	36	49	65	<0.022	<0.080	0.11	0.095	0.11	0.072	0.76	86	37	<4.1	675	8.6
32S/13E-31H11	10/14/2015	350	110	69	9.2	3.7	31	42	74	<0.05	<1	0.16	<0.10	0.099	0.036	0.44	75	33	<10	670	5.7
32S/13E-31H11	7/15/2015	380	120	85	11.0	4.3	35	40	85	<0.05	<1	0.19	<0.1	0.1	0.05	0.409	65	25	<10	690	9.6
32S/13E-31H11	4/16/2015	400	120	66	7.6	4.9	36	54	100	<0.05	<1	0.17	<0.1	0.088	0.039	0.481	76	22	<10	700	6.6
32S/13E-31H11	1/14/2015	420	125	68	7.0	6.4	37	45	126	<0.05	<1	0.15	<0.1	0.097	0.038	0.39	65	20	<10	720	3.5
32S/13E-31H11	10/16/2014	370	120	78	13.0	4.2	29	53	77	<0.05	<1	0.17	<0.1	0.11	0.040	0.35	88	<10	<10	740	4.5
32S/13E-31H11	7/30/2014	450	120	71	4.4	9.6	43	53	130	0.13	<1	0.15	0.12	0.1	0.078	0.29	73	20	<10	800	8
32S/13E-31H11	4/17/2014	370	120	89	14.0	2.4	17	76	39	<0.05	<1	0.16	<0.1	0.12	0.03	0.43	121	45	<10	720	3.7
32S/13E-31H11	1/16/2014	350	122	89	15	2	18	68	42	<0.05	<1	0.17	0.1	0.09	0.026	0.48	125	57.5	<10	710	2.3
32S/13E-31H11	10/16/2013	360	100	98	20	3.1	15	66	36	<0.05	<1	0.19	<0.1	0.11	0.057	0.38	139	73	<10	710	4.1
32S/13E-31H11	7/11/2013	370	140	70	6.3	4	23	82	40	0.4	<1	0.2	0.11	0.11	0.043	0.44	117	35	<10	730	3.2
32S/13E-31H11	4/11/2013	340	90	81	14	2.9	18	78	30	<0.05	<1	0.19	0.12	0.07	0.046	0.3	155	77.5	<10	650	3.2
32S/13E-31H11	1/16/2013	360	107	99	7.1	3.3	24	110	36	<0.05	<1	0.25	<0.1	<0.01	0.048	0.4	165	55	<10	720	3.7
32S/13E-31H11	10/30/2012	380	97	100	6.4	4.5	24	130	38	<0.05	<1	0.28	<0.1	0.1	0.09	0.2	168	38	<10	720	6.1
32S/13E-31H11	7/25/2012	240	49	56	11	5.4	22	99	43	<0.05	<1	0.16	0.19	0.023	0.11	<0.1	132	33	<10	470	6.6
32S/13E-31H11	4/19/2012	380	100	87	5.5	3.5	26	150	79	<0.1	<1	0.27	0.26	0.09	0.033	0.68	180	30	<10	750	1.6
32S/13E-31H11	1/12/2012	480	96	110	4.9	5.6	33	154	95	<0.1	<1	0.28	<0.2	0.11	0.01	0.306	180	26	<10	850	0.2
32S/13E-31H11	11/21/2011	390	90	78	4.6	5.2	24	111	86	<0.05	<1	0.19	0.13	0.092	0.014	0.28	128	17	<10	720	0.5
32S/13E-31H11	7/25/2011	260	29	23	5.3	8.7	20	84	80	<0.05	<1	<0.1	0.199	0.072	0.041	<0.1	89	<5	<5	440	2.7
32S/13E-31H11	4/21/2011	580	118	70	19	49	17	8.8	274	<0.05	<1	<0.1	0.29	0.109	0.091	0.4	11.3	2.5	<2.0	950	NA
32S/13E-31H11	1/24/2011	680	110	60	17	64	22	5.0	330	<0.05	<1.0	<0.1	0.22	0.96	0.16	0.31	11.2	6.2	<2.0	1,040	10.0
32S/13E-31H11	10/21/2010	770	100	68	12	88	31	14.0	380	<0.1	<1.0	<0.1	0.28	NA	0.054	<0.3	14.0	<10	<10	1,163	2.2
32S/13E-31H11	7/26/2010	783	130	80.1	8.58	142	42.0	2.8	450	< 0.10	< 0.50	< 0.0200	0.26	0.31	3.97	0.8	2.8	< 1.0	< 1.0	1,200	593
32S/13E-31H11	4/26/2010	1,130	160	70.2	6.48	208	50.7	8.4	530	< 0.10	0.56	< 0.02	0.23	0.54	3.10	1.0	8.4	< 1.0	< 1.0	1,600	383
32S/13E-31H11	1/27/2010	1,740	430	55.6	4.98	282	43.0	< 1.0	680	< 0.10	< 0.50	0.0819	0.14	0.41	9.41	2.0	< 1.0	< 1.0	< 1.0	2,300	170
32S/13E-31H11	10/20/2009	2,250	1,000	19.5	2.40	487	22.5	5.0	410	< 0.10	0.98	0.0532	0.13	< 0.10	13.1	4.5	5.0	< 1.0	< 1.0	3,100	236
32S/13E-31H11	8/19/2009	322	150	93.2	16.7	23.9	12.1	3.0	4.0	< 0.10	1.3	NA	0.19	0.5	0.7	0.74	23.0	20.0	< 1.0	640	153
32S/13E-31H11	5/16/1983	840	80	90	NA	100	50	250	160.0	< 4	NA	ND	0.2	NA	0.14	NA	250.0	ND	ND	1,200	0.10

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/13E-31H12	4/21/2011	410	97	100	7.2	3.5	21	80	134	<0.05	<1	0.23	0.18	0.097	0.065	0.42	100	20	<2.0	770	NA
32S/13E-31H12	1/24/2011	440	92	90	9.2	3.4	27	90	140	<0.05	<1.0	0.25	0.11	0.94	0.041	0.35	110	20	<2.0	810	2.2
32S/13E-31H12	10/21/2010	460	90	110	15	6.8	32	94	140	<0.1	<1.0	0.2	0.1	NA	0.1	0.38	124	30	<10	868	3.5
32S/13E-31H12	7/26/2010	478	83	109	5.94	52.9	30.4	122.0	94	< 0.10	<0.50	0.255	< 0.10	0.41	0.477	0.56	130.0	8.0	< 1.0	730	61.0
32S/13E-31H12	4/26/2010	452	83	83	7.42	29.3	34.5	72.0	190	< 0.1	0.56	0.134	< 0.10	0.65	0.702	0.4	86.0	14.0	< 1.0	810	71.0
32S/13E-31H12	1/27/2010	496	71	92.2	10.6	22.9	39.1	13.0	230	<0.10	< 0.50	0.323	< 0.10	0.20	0.604	0.29	51.0	38.0	< 1.0	780	54.4
32S/13E-31H12	10/20/2009	564	71	80.8	8.63	33.2	49.8	49.6	310	<0.10	< 0.50	0.148	< 0.10	< 0.10	0.337	0.32	64.0	14.4	< 1.0	850	20.0
32S/13E-31H12	8/19/2009	522	180	148	71.6	95.2	8.42	30.0	3.5	<0.10	1.7	NA	0.24	0.52	2.36	0.76	170	140	< 1.0	1,000	278
32S/13E-31H12	5/16/1983	630	40	40	NA	90	50	330	80	< 4	NA	NA	0.1	NA	0.02	NA	330	ND	ND	900	0.05

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS	Chloride	Sodium	Potassium	Calcium	Magnesium	Bicarbonate as CaCO3	Sulfate	Nitrate (as N)	Total Kjeldahl Nitrogen	Boron	Fluoride	Iodide	Manganese	Bromide	Total Alkalinity as CaCO3	Carbonate as CaCO3	Hydroxide as CaCO3	Specific Conductivity	Iron
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm
32S/13E-31H13	10/7/2020	530	100	98	4.3	3.8	31	180	0	0	0.00	0.22	0.063	0.059	0.07	0.32	210	32	0	685	0.9
32S/13E-31H13	7/7/2020	500	110	100	4.4	3.2	29	180	2	0	0.20	0.21	0.054	0.069	0.05	0.35	200	25	4	729	0.2
32S/13E-31H13	4/21/2020	470	100	100	4.8	2.6	30	180	0	0	0.08	0.20	0.064	0.079	0.05	0.36	220	37	0	721	0.4
32S/13E-31H13	1/14/2020	430	120	110	4.6	3.3	29	190	10	0	0.00	0.25	0.084	0.094	0.05	0.28	220	35	0	730	0.4
32S/13E-31H13	10/14/2019	280	99	93	4.7	2.7	32	180	1	0	0.00	0.18	0.064	0.066	0.05	0.30	210	37	0	675	0.3
32S/13E-31H13	7/9/2019	500	90	83	4.7	3.7	36	170	1	0	0.08	0.16	0.062	0.059	0.08	0.35	200	26	0	654	2.9
32S/13E-31H13	4/9/2019	460	100	79	4.0	3.8	34	180	8	ND	0.05	0.18	0.075	0.055	0.07	0.31	210	27	ND	690	2.1
32S/13E-31H13	1/8/2019	400	99	79	4.3	6.7	42	180	19	ND	0.06	0.17	0.057	0.057	0.13	0.29	200	19	ND	703	2.2
32S/13E-31H13	10/9/2018	400	84	79	4.2	4.9	43	190	13	ND	0.052	0.16	0.043	0.045	0.083	0.18	220	23	ND	678	2.1
32S/13E-31H13	7/12/2018	470	81	72	3.9	3.9	38	190	13	ND	0.096	0.14	0.041	0.045	0.064	0.31	220	25	ND	699	0.86
32S/13E-31H13	4/10/2018	490	82	78	3.8	4.5	44	190	20	ND	ND	0.14	0.039	0.041	0.083	0.30	220	30	ND	676	4.2
32S/13E-31H13	1/10/2018	430	75	75	3.8	4.3	38	190	7.2	ND	ND	0.14	0.050	0.046	0.07	0.25	210	26	ND	626	2.5
32S/13E-31H13	10/11/2017	390	77	70	3.7	4.9	38	190	15	ND	0.11	0.16	0.034	0.039	0.079	0.28	220	29	ND	648	1.1
32S/13E-31H13	7/11/2017	390	76	80	3.9	7.8	45	190	30	ND	ND	0.15	0.033	0.036	0.13	0.28	210	19	ND	680	2.2
32S/13E-31H13	4/12/2017	430	79	87	4.4	4	44	180	21	ND	0.13	0.17	0.024	0.043	0.77	0.28	220	40	ND	667	4.5
32S/13E-31H13	1/13/2017	480	81	95	4.7	3.9	41	190	14	ND	ND	0.19	0.037	0.056	0.065	0.31	220	33	ND	652	3.3
32S/13E-31H13	10/12/2016	410	80	87	4.3	4.2	43	190	22	ND	ND	0.18	0.04	0.055	0.072	0.29	220	33	ND	678	2.3
32S/13E-31H13	7/20/2016	510	91	99	5.1	2.4	34	170	19	<0.022	<0.080	0.22	0.043	0.054	0.038	0.43	210	44	<4.1	694	1.2
32S/13E-31H13	4/13/2016	450	94	99	4.6	2.5	33	150	25	<0.022	<0.080	0.22	0.054	0.045	0.035	0.44	200	51	<4.1	701	1.2
32S/13E-31H13	1/13/2016	460	99	97	4.8	2.6	32	150	30	<0.022	<0.080	0.19	0.084	<0.010	0.038	0.53	190	43	<4.1	717	0.33
32S/13E-31H13	10/14/2015	370	85	91	4.8	3.1	32	159	45	<0.05	<1	0.23	<0.10	0.060	0.043	0.26	189	30	<10	710	0.30
32S/13E-31H13	7/15/2015	390	90	99	4.4	2.7	34	145	55	<0.05	<1	0.21	<0.1	0.06	0.034	0.24	185	40	<10	730	0.24
32S/13E-31H13	4/16/2015	360	89	86	4.8	2.6	31	137	58	<0.05	<1	0.20	<0.1	0.057	0.030	0.266	172	35	<10	680	0.42
32S/13E-31H13	1/14/2015	390	90	84	4.8	2	31	140	61	<0.05	<1	0.18	<0.1	0.059	0.035	0.24	170	30	<10	670	0.47
32S/13E-31H13	10/16/2014	370	80	84	5.0	3.2	32	146	59	<0.05	<1	0.19	<0.1	0.055	0.044	0.18	170	24	<10	720	0.61
32S/13E-31H13	7/30/2014	380	86	81	4.2	3.6	35	158	61	<0.05	<1	0.16	<0.1	0.05	0.047	0.17	175	17	<10	730	0.25
32S/13E-31H13	4/17/2014	380	84	86	5.2	3	26	120	87	<0.05	<1	0.18	<0.1	0.08	0.032	0.3	143	23	<10	730	0.45
32S/13E-31H13	1/16/2014	390	89	91	5.0	4.1	34	119	103	<0.05	<1	0.20	<0.1	0.06	0.043	0.34	136	17	<10	740	0.30
32S/13E-31H13	10/16/2013	410	84	87	4.7	5.3	33	114	130	<0.05	<1	0.17	<0.1	0.08	0.053	0.3	124	10	<10	760	0.28
32S/13E-31H13	7/11/2013	420	80	70	4.8	4.5	35	116	120	<0.05	<1	0.19	<0.1	0.06	0.047	0.21	136	20	<10	760	0.19
32S/13E-31H13	4/11/2013	450	77	77	4.7	5.8	38	113	150	<0.05	<1	0.19	<0.1	0.06	0.069	0.2	128	15	<10	780	0.15
32S/13E-31H13	1/15/2013	420	74	78	4.7	7.0	40	110	180	<0.05	<1	0.18	<0.1	<0.01	0.087	<0.1	125	15	<10	810	0.55
32S/13E-31H13	10/30/2012	380	88	99	5.7	3.3	30	160	63	<0.05	<1	0.25	<0.1	0.08	0.035	0.3	168	7.5	<10	740	0.33
32S/13E-31H13	7/25/2012	390	108	107	5.5	2.7	29	13	66	<0.05	<1	0.28	<0.1	0.079	0.0037	0.23	168	155	<10	750	0.84
32S/13E-31H13	4/19/2012	390	110	83	4.3	2.5	26	400	68	<0.1	<1	0.22	0.23	0.09	0.032	0.39	420	20	<10	790	0.24
32S/13E-31H13	1/12/2012	410	94	95	4.5	3.0	28	300	68	<0.1	<1	0.24	<0.2	0.1	0.032	0.31	320	20	<10	760	0.89
32S/13E-31H13	11/21/2011	410	94	83	4.6	3.4	30	152	72	<0.05	<1	0.21	<0.1	0.09	0.035	0.3	160	8	<10	730	0.65
32S/13E-31H13	7/25/2011	420	90	84	7.1	4.4	31	148	91.8	<0.05	<1	0.20	<0.1	0.071	0.046	0.297	150	2.5	<5	760	1.90
32S/13E-31H13	4/21/2011	380	88	110	6.3	4.0	27	140	101	<0.05	<1	0.41	0.14	0.07	0.13	0.33	140	<2.0	<2.0	750	N/A
32S/13E-31H13	1/24/2011	430	83	73	6	6.3	31	160	100	<0.05	<1.0	0.22	0.11	0.66	0.078	0.28	160	<2.0	<2.0	780	0.49
32S/13E-31H13	10/21/2010	410	87	100	3.9	6.0	33	148	100	<0.1	<1.0	0.14	<0.1	NA	0.087	<0.3	148	<10	<10	796	0.66
32S/13E-31H13	7/26/2010	446	94	93.0	8.81	10.2	32.0	38.4	120	<0.10	<0.50	0.142	<0.10	0.32	0.196	0.48	56.0	17.6	<1.0	700	22.4
32S/13E-31H13	4/26/2010	416	96	87.6	9.86	14.8	37.1	46.0	150	<0.1	0.63	0.132	<0.10	0.39	0.579	0.44	58.0	12.0	<1.0	780	56.2
32S/13E-31H13	1/27/2010	498	89	79.6	10.2	15.6	38.0	31.0	180	<0.10	0.56	0.132	<0.10	0.19	0.283	0.38	51.0	20.0	<1.0	810	23.6
32S/13E-31H13	10/20/2009	446	100	97.1	12.8	16.4	37.9	26.6	180	<0.10	0.56	0.168	0.2	<0.10	0.180	0.42	42.6	16.0	<1.0	760	18.9
32S/13E-31H13	8/19/2009	426	160	101	18.9	93.2	29.1	64.4	36	<0.10	0.98	NA	0.2	0.31	5.490	0.60	84.4	20.0	<1.0	790	682
32S/13E-31H13	5/16/1983	770	60	70	NA	90	70	330	120	9	NA	NA	0.1	NA	0.02	NA	330	ND	ND	1,100	0.24

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
32S/13E-31H09	10/13/2020	670	46	46	2.5	110.0	47	350	170	0	0.00	0.07	0.130	0.017	0.03	0.17	350	0	0	1,050	0.2
32S/13E-31H09	7/7/2020	780	44	49	2.6	120.0	53	370	170	0	0.20	0.07	0.110	0.018	0.04	0.13	370	8	8	1,060	0.2
32S/13E-31H09	4/21/2020	620	42	48	2.7	120.0	50	380	170	0	0.19	0.07	0.160	0.018	0.04	0.14	380	0	0	1,070	0.3
32S/13E-31H09	1/14/2020	670	44	50	2.8	130.0	52	350	170	0	0.11	0.08	0.130	0.021	0.04	0.16	350	0	0	1,010	0.3
32S/13E-31H09	10/15/2019	670	43	51	2.7	120.0	50	360	170	0	0.10	0.07	0.110	0.016	0.04	0.16	360	0	0	1,060	0.2
32S/13E-31H09	4/9/2019	620	43	44	2.5	110	50	360	170	ND	0.11	0.08	0.14	0.013	0.033	0.14	360	ND	ND	1,060	0.05
32S/13E-31H09	1/8/2019	690	44	44	2.6	110	52	370	170	0.047	0.11	0.075	0.16	0.018	0.035	0.15	370	ND	ND	1,060	0.080
32S/13E-31H09	10/9/2018	690	42	46	2.7	110	54	360	170	0.03	0.15	0.067	0.11	0.017	0.035	0.09	360	ND	ND	1,080	0.042
32S/13E-31H09	7/10/2018	630	46	47	2.6	120	53	360	170	ND	0.11	0.073	0.13	0.018	0.032	0.17	360	ND	ND	1,100	0.041
32S/13E-31H09	4/10/2018	700	44	45	2.5	110	51	360	170	0.074	0.11	0.068	0.13	0.016	0.035	0.17	360	ND	ND	1,060	0.10
32S/13E-31H09	1/10/2018	680	40	46	2.6	120	53	360	160	ND	0.14	0.062	0.16	0.019	0.048	0.14	360	ND	ND	1,040	0.38
32S/13E-31H09	10/11/2017	640	40	47	2.6	120	55	370	160	0.024	0.12	0.079	0.13	0.016	0.046	0.13	370	ND	ND	1020	0.34
32S/13E-31H09	7/11/2017	750	40	48	2.8	120	56	360	170	ND	ND	0.075	0.11	0.015	0.057	0.15	360	ND	ND	1,050	0.42
32S/13E-31H09	4/12/2017	620	42	52	3.1	130	60	360	170	0.037	ND	0.082	0.17	0.017	0.05	0.14	360	ND	ND	1,040	0.30
32S/13E-31H09	1/11/2017	640	61	53	3	100	48	320	150	ND	ND	0.071	0.16	0.02	0.05	0.24	320	ND	ND	976	0.40
32S/13E-31H09	10/12/2016	720	46	49	2.8	120	56	370	170	0.029	0.18	0.069	0.12	0.021	0.041	0.18	370	ND	ND	1070	0.36
32S/13E-31H09	7/20/2016	680	45	50	2.9	120	56	370	160	0.0407	0.14	0.075	0.15	0.013	0.049	0.16	370	<8.2	<8.2	1,060	0.33
32S/13E-31H09	4/13/2016	670	43	48	2.9	110	57	350	160	<0.022	0.2	0.062	0.14	0.012	0.056	0.18	350	<8.2	<8.2	1,040	0.46
32S/13E-31H09	1/12/2016	630	48	48	2.8	110	54	350	180	0.051	0.14	0.042	0.24	0.017	0.047	0.36	350	<8.2	<8.2	1,100	0.46
32S/13E-31H09	10/14/2015	680	43	44	3.1	100	50	360	160	<0.05	<1	0.089	0.28	0.02	0.033	<0.10	360	<10	<10	1,060	0.18
32S/13E-31H09	7/15/2015	680	43	52	2.4	120	56	360	170	<0.05	<1	0.079	0.11	0.01	0.033	<0.1	360	<10	<10	1,070	0.13
32S/13E-31H09	4/16/2015	680	49	41	2.4	100	47	350	170	<0.05	<1	0.068	0.114	<0.01	0.039	<0.1	350	<10	<10	1,030	0.47
32S/13E-31H09	10/16/2014	670	40	43	2.8	110	50	3500	150	<0.05	<1	0.055	0.103	<0.01	0.03	<0.1	350	<10	<10	1,060	0.064
32S/13E-31H09	7/30/2014	670	43	43	2.2	110	48	360	160	<0.05	<1	<0.1	0.15	<0.01	0.029	<0.1	360	<10	<10	1,070	0.057
32S/13E-31H09	4/15/2014	680	42	43	3.3	87	43	340	170	<0.05	<1	0.09	0.11	<0.01	0.023	<0.1	340	<10	<10	1,070	0.05
32S/13E-31H09	1/16/2014	680	45	42	2.6	100	46	360	171	<0.05	<1	<0.05	0.13	<0.01	0.032	<0.1	360	<10	<10	1,060	0.18
32S/13E-31H09	10/16/2013	670	40	44	2.6	100	47	350	180	0.47	<1	<0.05	0.15	<0.01	0.03	<0.1	350	<10	<10	1,053	0.11
32S/13E-31H09	7/10/2013	670	44	43	2.8	110	52	350	180	<0.05	<1	0.072	0.12	<0.01	0.032	<0.1	350	<10	<10	1,070	0.11
32S/13E-31H09	4/11/2013	720	43	40	2.7	98	46	350	170	<0.05	<1	0.072	0.14	<0.01	0.029	<0.1	350	<10	<10	1,070	0.12
32S/13E-31H09	1/16/2013	660	43	43	2.7	100	47	360	180	<0.05	<1	0.07	0.1	<0.01	0.031	<0.1	360	<10	<10	1,060	0.130
32S/13E-31H09	10/30/2012	660	40	44	2.9	110	49	345	170	<0.05	<1	0.071	0.14	<0.01	0.03	<0.1	345	<10	<10	1,070	0.086
32S/13E-31H09	7/24/2012	700	47	44	2.8	93	45	356	180	<0.05	<1	<0.1	0.17	<0.01	0.029	<0.1	356	<10	<10	1,070	0.660
32S/13E-31H09	4/25/2012	680	48	44	2.7	95	43	350	200	<0.1	<1	<0.1	0.26	<0.01	0.032	<0.2	350	<10	<10	1,070	0.200
32S/13E-31H09	1/10/2012	690	45	44	2.6	100	44	340	160	<0.05	<1	<0.1	0.2	<0.01	0.024	<0.1	340	<10	<10	1,070	0.100
32S/13E-31H09	11/22/2011	690	41	39	2.7	100	46	350	160	<0.1	<1	0.046	<0.2	0.013	0.03	<0.2	350	<10	<10	1,010	0.0
32S/13E-31H09	7/25/2011	690	44	39	4.5	86	40	340	166.9	<0.05	<1	<0.1	0.145	<0.01	0.026	<0.1	340	<5	<5	1,070	<0.1

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS	Chloride	Sodium	Potassium	Calcium	Magnesium	Bicarbonate as CaCO3	Sulfate	Nitrate (as N)	Total Kjeldahl Nitrogen	Boron	Fluoride	Iodide	Manganese	Bromide	Total Alkalinity as CaCO3	Carbonate as CaCO3	Hydroxide as CaCO3	Specific Conductivity	Iron
		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	umhos/cm
12N/36W-36L01	10/11/2020	940	39	67	3.3	130.0	44	180	440	0	0.14	0.16	0.046	0.000	0.00	0.10	180	0	0	1,180	0.1
12N/36W-36L01	7/8/2020	1,000	40	71	3.5	130.0	46	180	430	0	0.20	0.17	0.051	0.100	0.01	0.13	180	8	8	1,190	0.1
12N/36W-36L01	4/22/2020	880	38	65	3.3	120.0	42	180	420	0	0.14	0.16	0.034	0.000	0.00	0.08	180	0	0	1,210	0.1
12N/36W-36L01	1/15/2020	960	39	70	3.6	140.0	45	180	420	0	0.13	0.18	0.056	0.000	0.00	0.09	180	0	0	1,140	0.1
12N/36W-36L01	10/15/2019	880	38	73	3.6	140.0	45	180	440	0	0.09	0.18	0.044	0.000	0.00	0.12	180	0	0	1,190	0.1
12N/36W-36L01	7/10/2019	700	37	70	3.6	140.0	51	180	430	0	0.15	0.17	0.047	0.000	0.00	0.00	180	0	0	1,180	0.0
12N/36W-36L01	4/10/2019	870	39	64	3.5	130	48	180	440	0.46	1.5	0.2	0.06	ND	ND	0.14	180	ND	ND	1,190	0.08
12N/36W-36L01	1/9/2019	840	39	70	3.4	140	46	180	420	0.45	0.23	0.17	0.064	ND	ND	0.089	180	ND	ND	1,200	ND
12N/36W-36L01	10/10/2018	850	38	67	3.5	140	49	180	430	0.43	0.16	0.16	0.03	ND	ND	ND	180	ND	ND	1,190	0.19
12N/36W-36L01	7/10/2018	960	39	64	3.4	130	47	180	430	0.50	0.11	0.17	0.12	ND	ND	0.063	180	ND	ND	1,230	ND
12N/36W-36L01	4/11/2018	900	39	70	3.5	140	49	180	430	0.48	0.11	0.16	0.052	ND	ND	0.10	180	ND	ND	1,190	ND
12N/36W-36L01	1/11/2018	940	38	76	3.5	140	50	180	440	0.37	0.19	0.17	0.073	ND	ND	0.097	180	ND	ND	1,180	ND
12N/36W-36L01	10/11/2017	880	35	65	3.7	140	50	190	430	0.43	0.14	0.19	0.048	ND	0.054	ND	190	ND	ND	1210	0.23
12N/36W-36L01	7/12/2017	1,000	37	73	3.9	150	55	180	420	0.36	0.15	0.17	0.034	ND	0.0048	ND	180	ND	ND	1,180	0.23
12N/36W-36L01	4/12/2017	860	37	73	4	130	49	180	420	0.45	0.14	0.17	0.017	ND	0.0087	0.06	180	ND	ND	1,170	0.43
12N/36W-36L01	1/12/2017	870	38	76	3.8	150	55	190	430	0.46	0.12	0.21	0.036	ND	ND	0.07	190	ND	ND	1,180	0.11
12N/36W-36L01	10/12/2016	890	35	72	3.8	140	56	190	430	0.42	0.11	0.17	0.036	ND	ND	0.12	190	ND	ND	1220	0.037
12N/36W-36L01	7/19/2016	920	37	69	3.6	130	50	180	430	0.4292	0.25	0.15	0.043	<0.010	<0.0040	0.10	180	<8.2	<8.2	1,200	<0.030
12N/36W-36L01	4/12/2016	860	38	65	3.5	130	49	180	390	0.5	<0.080	0.16	0.036	<0.010	<0.0040	0.12	180	<8.2	<8.2	1,210	<0.05
12N/36W-36L01	1/14/2016	890	36	64	3.4	130	49	180	410	0.47	<0.080	0.15	0.062	<0.010	<0.0040	0.10	180	<8.2	<8.2	1,210	0.070
12N/36W-36L01	10/15/2015	920	37	63	4.2	120	47	180	400	0.68	<1	0.15	<0.20	<0.01	<0.005	<0.20	180	<10	<10	1,210	<0.05
12N/36W-36L01	7/16/2015	930	39	74	2.8	140	50	180	410	1.2	<1	0.15	<0.1	<0.01	<0.005	<0.1	180	<10	<10	1,210	<0.05
12N/36W-36L01	4/14/2015	890	38	55	3.1	110	44	180	440	0.759	1.0	0.16	<0.2	<0.01	<0.005	<0.2	180	<10	<10	1,160	<0.05
12N/36W-36L01	1/13/2015	880	39	59	3.0	120	45	180	440	0.584	<1	0.14	<0.1	<0.01	<0.005	<0.1	180	<10	<10	1,160	<0.05
12N/36W-36L01	10/15/2014	910	34	58	3.7	120	43	180	380	0.950	<1	0.14	<0.2	<0.01	<0.005	<0.2	180	<10	<10	1,210	<0.05
12N/36W-36L01	7/30/2014	890	36	61	3.2	120	47	180	390	0.603	<1	0.12	<0.2	<0.01	<0.005	<0.2	180	<10	<10	1,220	<0.05
12N/36W-36L01	4/16/2014	910	36	46	2.6	76	27	180	440	0.77	<1	0.15	<0.1	<0.01	<0.005	<0.1	180	<10	<10	1,200	<0.05
12N/36W-36L01	1/16/2014	910	35	60	3.1	110	42	180	416	1.00	1.1	0.14	<0.2	<0.01	<0.005	<0.2	180	<10	<10	1,190	<0.05
12N/36W-36L01	10/16/2013	910	40	63	4.5	120	43	170	460	0.76	<1	0.13	<0.2	<0.01	<0.005	<0.2	170	<10	<10	1,210	<0.05
12N/36W-36L01	7/10/2013	910	39	54	3.2	120	42	175	430	0.78	<1	0.14	<0.1	<0.01	<0.005	<0.1	175	<10	<10	1,210	0.18
12N/36W-36L01	4/11/2013	890	38	59	3.6	110	43	180	420	0.82	<1	0.16	<0.2	<0.01	<0.005	<0.2	180	<10	<10	1,200	<0.05
12N/36W-36L01	1/15/2013	870	39	61	3.4	110	41	178	440	0.57	<1	0.15	<0.2	<0.01	<0.005	<0.2	178	<10	<10	1,190	0.13
12N/36W-36L01	10/31/2012	910	35	66	4.0	130	46	165	400	1.60	<1	0.16	0.2	<0.01	<0.005	<0.5	165	<10	<10	1,200	<0.05
12N/36W-36L01	7/24/2012	880	43	65	3.9	110	41	168	420	<0.05	<1	0.16	<0.1	<0.01	0.02	<0.1	168	<10	<10	1,190	0.19
12N/36W-36L01	4/18/2012	880	47	52	3.2	95	36	180	450	0.42	<1	0.12	<0.2	<0.01	<0.005	<0.2	180	<10	<10	1,190	<0.1
12N/36W-36L01	1/11/2012	790	41	64	4.1	120	44	170	380	1.30	<1	0.19	0.18	<0.02	<0.005	<0.2	170	<10	<10	1,190	<0.1
12N/36W-36L01	11/21/2011	910	39	55	3.5	110	40	180	380	0.37	<1	0.16	<0.2	<0.01	<0.005	<0.2	180	<10	<10	1,200	<0.1
12N/36W-36L01	7/25/2011	890	41	65	5.7	110	43	170	408.9	0.39	<1	0.15	<0.1	<0.01	<0.005	<0.1	170	<5	<5	1,200	0.024
12N/36W-36L01	4/21/2011	890	42	61	4.2	100	30	170	415	0.60	<1	0.19	0.07	<0.01	<0.005	<0.1	170	<2.0	<2.0	1,200	NA
12N/36W-36L01	1/24/2011	890	41	55	5.1	98	36	180	400	0.50	<1.0	0.20	0.15	<0.10	<0.005	<0.1	180	<2.0	<2.0	1,200	<0.1
12N/36W-36L01	10/21/2010	910	38	76	3.6	130	47	169	400	0.39	<1.0	0.10	<0.1	NA	<0.005	<0.3	169	<10	<10	1,213	<0.1
12N/36W-36L01	7/27/2010	707	36	64.2	3.70	127	47.4	182	420	0.40	< 0.50	0.158	< 0.10	< 0.10	< 0.00500	0.11	182	< 1.0	< 1.0	1,100	< 0.100
12N/36W-36L01	4/26/2010	860	42	70.3	4.13	129	48.9	191	400	0.45	0.77	0.223	< 0.1	0.15	0.057	0.14	191	< 1.0	< 1.0	1,100	4.53
12N/36W-36L01	10/21/2009	856	38	72.0	4.64	131	48.2	192	420	0.49	0.84	0.150	0.12	< 0.10	0.0994	0.13	192	< 1.0	< 1.0	1,100	1.68
12N/36W-36L01	8/20/2009	890	39	78.0	4.21	138	48.1	184	390	0.49	0.56	NA	< 0.10	< 0.10	0.185	0.14	184	< 1.0	< 1.0	1,200	2.03
12N/36W-36L01	5/11/2009	832	63	83.8	4.88	111	45.4	204	330	NA	NA	NA	0.12	NA	0.551	0.22	204	< 1.0	< 1.0	1,200	4.02
12N/36W-36L01	3/26/1996	882	35	66	4.8	124	47	233	408	0.4518	NA	0.24	NA	NA	NA	NA	NA	NA	NA	NA	NA
12N/36W-36L01	6/8/1976	936	38	72	3.5	130	48	223	423	0.1355	NA	0.15	0.7	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
12N/36W-36L02	10/11/2020	870	98	98	5.4	95.0	40	250	250	0	1.70	0.29	0.084	0.130	0.13	0.62	250	0	0	1,190	0.0
12N/36W-36L02	7/8/2020	930	100	110	5.8	97.0	42	260	240	0	1.80	0.31	0.093	0.130	0.14	0.65	260	8	8	1,210	0.1
12N/36W-36L02	4/22/2020	770	100	110	6.0	97.0	40	270	230	0	2.10	0.33	0.069	0.120	0.15	0.67	270	0	0	1,190	0.6
12N/36W-36L02	1/15/2020	860	100	110	6.2	100.0	43	260	240	0	1.90	0.35	0.085	0.160	0.16	0.35	260	0	0	1,160	0.2
12N/36W-36L02	10/15/2019	780	99	120	6.3	100.0	41	270	240	0	2.00	0.35	0.078	0.130	0.17	0.66	270	0	0	1,210	0.5
12N/36W-36L02	7/10/2019	660	99	100	5.9	94.0	44	260	240	0	1.90	0.33	0.096	0.150	0.15	0.60	260	0	0	1,200	0.1
12N/36W-36L02	4/10/2019	820	100	100	5.7	96	43	270	240	ND	2.0	0.32	0.094	0.13	0.15	0.5	270	ND	ND	1,220	0.17
12N/36W-36L02	1/9/2019	820	100	110	6.1	99	42	270	240	ND	2.2	0.33	0.099	0.14	0.15	0.5	270	ND	ND	1220	0.42
12N/36W-36L02	10/10/2018	840	99	110	7.2	100	46	260	240	ND	2	0.33	0.06	0.13	0.19	0.40	260	ND	ND	1,200	5.2
12N/36W-36L02	7/10/2018	800	100	99	5.6	89	41	260	240	ND	2.0	0.33	0.14	0.14	0.14	0.62	260	ND	ND	1,260	0.9
12N/36W-36L02	4/11/2018	850	100	110	6.0	96	42	260	230	0.044	1.8	0.32	0.097	0.16	0.17	0.66	260	ND	ND	1,210	2.1
12N/36W-36L02	1/11/2018	800	100	110	6.3	97	44	260	230	ND	2.0	0.38	0.12	0.17	0.17	0.65	260	ND	ND	1,190	0.51
12N/36W-36L02	10/11/2017	830	100	100	5.9	97	44	280	230	ND	1.8	0.36	0.087	0.13	0.16	0.66	280	ND	ND	1220	0.41
12N/36W-36L02	7/12/2017	940	97	100	6.1	98	45	250	230	ND	2.2	0.32	0.096	0.13	0.16	0.59	250	ND	ND	1,200	0.75
12N/36W-36L02	4/12/2017	780	97	120	6.7	98	43	250	240	ND	2.2	0.35	0.082	0.14	0.16	0.51	250	ND	ND	1,190	0.77
12N/36W-36L02	1/12/2017	810	94	120	6.6	110	48	270	240	ND	2	0.36	0.08	0.19	0.19	0.53	270	ND	ND	1,200	1.1
12N/36W-36L02	10/12/2016	820	99	120	6.6	110	50	270	240	ND	2	0.35	0.084	0.14	0.17	0.58	270	ND	ND	1230	0.1
12N/36W-36L02	7/19/2016	820	97	110	6.2	95	45	270	240	<0.022	2	0.33	0.081	0.1	0.15	0.65	270	<8.2	<0.82	1,220	0.14
12N/36W-36L02	4/12/2016	800	96	100	6	94	44	270	230	<0.022	1.8	0.32	0.12	0.12	0.14	0.81	270	<8.2	<0.82	1,240	0.37
12N/36W-36L02	1/14/2016	860	96	110	6.4	99	47	260	230	<0.018	1.6	0.34	0.10	0.078	0.17	0.65	260	<8.2	<8.2	1,240	1.9
12N/36W-36L02	10/15/2015	800	89	96	6.0	91	0.15	266	230	<0.05	2.2	0.32	0.22	0.098	0.15	0.37	266	<10	<10	1,220	0.32
12N/36W-36L02	7/16/2015	840	97	120	5.9	110	46	260	240	<0.05	2.44	0.34	0.11	0.11	0.15	0.59	260	<10	<10	1,230	0.16
12N/36W-36L02	4/14/2015	800	98	88	5.3	83	39	270	240	<0.05	2.9	0.33	0.104	0.089	0.13	0.380	270	<10	<10	1,180	0.40
12N/36W-36L02	1/13/2015	820	100	91	5.5	86	39	250	250	<0.05	2.2	0.31	0.105	0.09	0.13	0.322	250	<10	<10	1,190	0.077
12N/36W-36L02	10/15/2014	800	88	96	6.4	91	40	260	210	<0.05	2.1	0.32	<0.1	0.092	0.14	0.358	260	<10	<10	1,230	0.12
12N/36W-36L02	7/30/2014	800	98	99	5.8	88	39	280	210	<0.05	2.4	0.28	0.11	0.09	0.14	0.19	280	<10	<10	1,240	0.27
12N/36W-36L02	4/16/2014	820	95	89	6.3	73	31	280	210	<0.05	2.3	0.31	<0.1	0.09	0.13	0.35	280	<10	<10	1,240	0.22
12N/36W-36L02	1/16/2014	800	100	87	5	76	33	270	230	<0.05	2.3	0.31	0.23	0.09	0.14	0.44	270	<10	<10	1,230	0.41
12N/36W-36L02	10/16/2013	810	90	110	6.4	91	40	260	240	<0.05	2.2	0.32	<0.1	0.1	0.15	0.32	260	<10	<10	1,220	0.54
12N/36W-36L02	7/10/2013	790	105	94	5.8	88	38	260	240	<0.05	2.5	0.34	<0.1	0.08	0.13	0.11	260	<10	<10	1,240	0.31
12N/36W-36L02	4/11/2013	830	100	99	6.2	83	37	260	220	<0.05	2.2	0.35	<0.1	0.098	0.14	0.45	260	<10	<10	1,240	0.60
12N/36W-36L02	1/15/2013	770	110	110	6.7	84	38	265	220	<0.05	2.8	0.36	<0.1	0.02	0.14	0.20	265	<10	<10	1,240	0.61
12N/36W-36L02	10/31/2012	800	100	120	7.3	90	39	265	200	<0.1	2.4	0.4	0.34	0.12	0.14	0.34	265	<10	<10	1,250	0.30
12N/36W-36L02	7/24/2012	800	134	125	7.4	83	35	277	200	<0.05	2.3	0.42	0.13	0.12	0.14	0.31	277	<10	<10	1,250	0.52
12N/36W-36L02	4/18/2012	770	130	95	6.2	75	33	270	210	0.42	4	0.35	0.36	0.12	0.13	<0.2	270	<10	<10	1,250	0.77
12N/36W-36L02	1/11/2012	900	122	110	7.2	95	37	290	170	<0.1	4.8	0.48	0.28	<0.02	0.17	0.45	290	<10	<10	1,250	1.80
12N/36W-36L02	11/21/2011	780	130	95	6.1	77	33	270	160	<0.1	<1	0.4	<0.2	<0.01	0.13	0.45	270	<10	<10	1,240	0.40
12N/36W-36L02	7/25/2011	790	129	110	9.1	74	33	280	177	<0.05	2.3	0.36	0.12	0.14	0.13	0.51	280	<5	<5	1,280	2.30
12N/36W-36L02	4/21/2011	770	120	90	5.3	86	26	280	206	<0.05	2.3	0.24	0.26	0.14	0.004	0.57	280	<2.0	<2.0	1,270	NA
12N/36W-36L02	1/24/2011	800	120	95	7.6	75	30	300	190	<0.05	2.3	0.39	0.16	1.31	0.13	0.53	300	<2.0	<2.0	1,270	1.40
12N/36W-36L02	10/21/2010	770	120	130	7.6	89	44	275	160	<0.1	3.4	0.48	<0.1	NA	0.15	0.54	275	<10	<10	1,293	0.12
12N/36W-36L02	7/27/2010	737	110	121	7.81	91.1	38.9	268	190	< 0.10	< 0.50	0.427	0.10	0.77	0.180	0.80	268	< 1.0	< 1.0	1,200	0.845
12N/36W-36L02	4/26/2010	720	100	116	6.88	85.4	32.4	215	210	1.5	0.77	0.382	0.2	0.28	0.167	0.7	215	< 1.0	< 1.0	1,100	3.870
12N/36W-36L02	10/21/2009	638	99	113	6.15	81.6	23.0	172	200	< 0.10	3.2	0.268	0.33	57	0.128	0.61	172	< 1.0	< 1.0	940	0.255
12N/36W-36L02	8/20/2009	785	100	131	6.66	89.8	36.6	290	190	< 0.10	3.8	NA	0.15	0.27	0.307	0.75	290	< 1.0	< 1.0	1,200	0.830
12N/36W-36L02	5/11/2009	775	120	132	7.24	84	39.7	294	180	NA	NA	NA	0.18	NA	0.426	0.78	294	< 1.0	< 1.0	1,300	0.958
12N/36W-36L02	3/26/1996	772	127	130	8.7	86	36	390	148	0.0452	NA	0.5	NA	NA	NA	NA	NA	NA	NA	NA	NA
12N/36W-36L02	6/8/1976	820	126	118	6.6	94	44	393	184	0	NA	NA	0.5	NA	NA	NA	NA	NA	NA	NA	NA

Appendix A: NCMA Sentry Wells Water Quality Data



Well	Date	TDS mg/l	Chloride mg/l	Sodium mg/l	Potassium mg/l	Calcium mg/l	Magnesium mg/l	Bicarbonate as CaCO3 mg/l	Sulfate mg/l	Nitrate (as N) mg/l	Total Kjeldahl Nitrogen mg/l	Boron mg/l	Fluoride mg/l	Iodide mg/l	Manganese mg/l	Bromide mg/l	Total Alkalinity as CaCO3 mg/l	Carbonate as CaCO3 mg/l	Hydroxide as CaCO3 mg/l	Specific Conductivity umhos/cm	Iron mg/l
12N/35W-32C03	10/7/2020	350	64	63	2.5	13.0	6	54	26	8	0.00	0.11	0.066	0.000	0.00	0.18	54	0	0	430	0.0
12N/35W-32C03	7/7/2020	290	62	66	2.7	13.0	6	49	25	9	0.20	0.11	0.049	0.100	0.01	0.18	49	4	4	422	0.1
12N/35W-32C03	4/21/2020	300	62	63	2.6	13.0	6	54	27	8	0.95	0.10	0.051	0.000	0.00	0.16	54	0	0	446	0.0
12N/35W-32C03	1/14/2020	290	63	62	2.6	13.0	6	50	27	9	0.00	0.09	0.052	0.000	0.00	0.16	50	0	0	410	0.1
12N/35W-32C03	10/14/2019	190	60	63	2.6	12.0	6	48	25	9	0.00	0.10	0.043	0.000	0.00	0.18	48	0	0	422	0.1
12N/35W-32C03	7/9/2019	320	60	64	2.5	13.0	6	51	25	8	0.00	0.10	0.053	0.000	0.00	0.15	51	0	0	426	0.0
12N/35W-32C03	4/9/2019	320	64	60	2.7	14	6.2	54	28	8.4	0.09	0.10	0.06	ND	0.01	0.16	54	ND	ND	446	0.350
12N/35W-32C03	1/9/2019	290	64	70	2.8	14	6.2	53	29	8.6	0.19	0.12	0.051	ND	ND	0.18	53	ND	ND	440	0.038
12N/35W-32C03	10/9/2018	280	62	64	2.8	14	6.2	50	28	8.4	0.07	0.093	0.031	ND	ND	0.13	50	ND	ND	446	0.087
12N/35W-32C03	7/10/2018	300	64	60	2.5	13	5.8	54	27	8.5	ND	0.089	0.11	ND	ND	0.18	54	ND	ND	458	0.047
12N/35W-32C03	4/10/2018	320	66	62	2.6	13	6.1	51	30	8.4	ND	0.087	0.047	ND	ND	0.23	51	ND	ND	450	0.26
12N/35W-32C03	1/10/2018	320	62	67	2.7	14	6.4	50	27	8.2	0.11	0.09	0.073	ND	ND	0.20	50	ND	ND	438	0.21
12N/35W-32C03	10/11/2017	320	64	63	2.8	14	6.5	53	28	8.4	0.11	0.11	0.04	ND	0.01	0.17	53	ND	ND	445	0.6
12N/35W-32C03	7/11/2017	370	63	71	2.9	16	7	55	28	7.9	ND	0.094	0.035	ND	0.0062	0.21	55	ND	ND	450	0.3
12N/35W-32C03	4/11/2017	300	65	66	2.8	14	6.6	52	28	8	ND	0.082	0.038	ND	ND	0.19	52	ND	ND	442	0.077
12N/35W-32C03	1/13/2017	300	67	72	3	16	7.1	53	29	8.2	ND	0.093	0.033	ND	ND	0.21	53	ND	ND	449	0.072
12N/35W-32C03	10/13/2016	310	64	68	2.9	14	6.5	53	25	8.1	0.12	0.088	0.08	ND	ND	0.18	53	ND	ND	433	ND
12N/35W-32C03	7/20/2016	300	66	65	2.8	13	6.4	57	26	7.9064	<0.08	0.087	0.03	<0.010	<0.0040	0.16	57	<4.1	<4.1	450	0.039
12N/35W-32C03	4/13/2016	290	65	66	2.8	14	6.5	51	26	8.1323	0.086	0.083	0.039	<0.010	<0.0040	0.22	51	<4.1	<4.1	438	0.08
12N/35W-32C03	1/14/2016	290	69	68	2.9	14	6.3	50	27	8.6	<0.08	0.094	0.083	<0.010	<0.0040	0.16	50	<4.1	<4.1	430	0.079
12N/35W-32C03	10/14/2015	280	61	57	2.6	12	5.8	51	28	8.4	<1	0.090	<0.10	<0.01	<0.005	<0.10	51	<10	<10	430	0.33
12N/35W-32C03	7/14/2015	280	64	67	2.7	14	6.2	50	30	8.0	<1	0.10	<0.1	<0.01	<0.005	<0.1	50	<10	<10	440	0.22
12N/35W-32C03	4/15/2015	280	62	52	2.4	12	5.4	51	30	7.8	<1	0.081	<0.1	<0.01	<0.005	0.11	51	<10	<10	420	0.11
12N/35W-32C03	1/14/2015	290	63	56	2.3	13	5.8	51	30	8.2	<1	0.077	<0.1	<0.01	<0.005	0.1	51	<10	<10	420	0.38
12N/35W-32C03	10/16/2014	270	55	54	2.7	13	5.7	51	26	7.3	0.3	0.069	<0.1	<0.01	0.005	<0.1	51	<10	<10	430	0.35
12N/35W-32C03	7/30/2014	280	60	58	1.9	14	6.5	60	29	7.3	<1	<0.1	<0.1	<0.01	<0.005	<0.1	60	17	<10	450	0.16
12N/35W-32C03	4/15/2014	270	57	55	2.2	12	5	54	29	7.1	<1	0.096	<0.1	<0.01	<0.005	0.11	54	<10	<10	430	0.21
12N/35W-32C03	1/16/2014	300	62	57	2.8	14	6.3	54	35	8.1	8.2	<0.1	<0.1	<0.01	0.008	0.12	54	<10	<10	450	0.47
12N/35W-32C03	10/16/2013	310	58	62	2.9	15	6.4	54	38	7.5	<1	0.06	<0.1	<0.01	0.009	0.1	54	<10	<10	450	0.21
12N/35W-32C03	7/11/2013	290	60	45	2.4	14	5.9	61	30	7.4	<1	0.071	<0.1	<0.01	0.006	<0.1	61	<10	<10	440	0.17
12N/35W-32C03	4/12/2013	330	58	55	2.9	16	6.6	60	35	7.5	<1	0.091	<0.1	<0.01	0.019	0.1	60	<10	<10	460	0.49
12N/35W-32C03	1/15/2013	290	62	57	2.8	15	6.3	55	38	8.3	<1	0.089	<0.1	<0.01	0.01	<0.1	55	<10	<10	470	0.23
12N/35W-32C03	10/30/2012	330	57	60	3.3	19	7.5	60	36	7.8	<1	0.09	<0.1	<0.01	0.033	<0.1	60	<10	<10	470	1.9
12N/35W-32C03	7/25/2012	330	67	61	3.3	17	6.4	59	35	8.2	<1	<0.1	<0.1	<0.01	0.068	<0.1	59	<10	<10	460	0.49
12N/35W-32C03	4/19/2012	370	74	52	2.9	30	12	120	58	5	<1	0.17	0.2	<0.01	0.056	<0.2	120	<10	<10	580	1.3

APPENDIX B
2008 JUDGEMENT AFTER TRIAL

FILED

JAN 25 2008

KIRI TORRE
Chief Executive Officer/Clerk
Superior Court of CA County of Santa Clara
BY *[Signature]* DEPUTY
KOWENA A. WALKER

**SUPERIOR COURT OF CALIFORNIA
COUNTY OF SANTA CLARA**

SANTA MARIA VALLEY WATER
CONSERVATION DISTRICT,

Plaintiff,

vs.

CITY OF SANTA MARIA, ET AL.,

Defendants.

AND RELATED CROSS-ACTIONS AND
ACTIONS CONSOLIDATED FOR ALL
PURPOSES

**SANTA MARIA GROUNDWATER
LITIGATION**
Lead Case No. 1-97-CV-770214

(CONSOLIDATED FOR ALL
PURPOSES)

[Consolidated With Case Numbers:
CV 784900; CV 785509; CV 785522;
CV 787150; CV 784921; CV 785511;
CV 785936; CV 787151; CV 784926;
CV 785515; CV 786791; CV 787152;
1-05-CV-036410]

San Luis Obispo County Superior
Court Case Nos. 990738 and 990739

JUDGMENT AFTER TRIAL

This matter came on for trial in five separate phases. Following the third phase of trial, a large number of parties entered into a written stipulation dated June 30, 2005 to resolve their differences and requested that the court approve the settlement and make its terms binding on them as a part of any final judgment entered in this case. Subsequent to the execution of the stipulation by the original settling parties, a number of additional parties have agreed to be bound by the stipulation – their signatures are included in the attachments to this judgment.

1 The June 30, 2005 Stipulation is attached as Exhibit "1;" and all exhibits to the
2 Stipulation are separately attached as Exhibits "1A" through "1H". The Stipulating Parties are
3 identified on Exhibit "1A." The court approves the Stipulation, orders the Stipulating Parties
4 only to comply with each and every term thereof, and incorporates the same herein as though
5 set forth in full. No non-stipulating party is bound in any way by the stipulation except as the
6 court may otherwise independently adopt as its independent judgment a term or terms that are
7 the same or similar to such term or provision of the stipulation.

8 As to all remaining parties, including those who failed to answer or otherwise appear,
9 the court heard the testimony of witnesses, considered the evidence found to be admissible by
10 the court, and heard the arguments of counsel. Good cause appearing, the court finds and
11 orders judgment as follows.

12 As used in this Judgment, the following terms shall have the meanings herein set forth:

13 Basin – The groundwater basin described in the Phase I and II orders of the court, as
14 modified, with attachments and presented in Exhibit "1B".

15 Defaulting Parties – All persons or entities listed on Exhibit "3".

16 Imported Water – Water within the Basin received from the State Water Project,
17 originating outside the Basin, that absent human intervention would not recharge or be used in
18 the Basin.

19 LOG Parties – All persons or entities listed on Exhibit "2," listed under the subheading
20 "LOG Parties".

21 Non-Stipulating Parties – All Parties who did not sign the Stipulation, including the
22 Defaulting Parties and the LOG and Wineman Parties.

23 Parties – All parties to the above-referenced action, including Stipulating Parties, Non-
24 Stipulating Parties, and Defaulting Parties.

25 Public Water Producers – City of Santa Maria, Golden State Water Company, Rural
26 Water Company, the "Northern Cities" (collectively the Cities of Arroyo Grande, Pismo
27 Beach, and Grover Beach, and Oceano Community Services District), and the Nipomo
28 Community Services District.

1 Return Flows – All water which recharges the Basin after initial use, through the use of
2 percolation ponds and others means, derived from the use and recharge of imported water
3 delivered through State Water Project facilities.

4 Stipulating Parties – All Parties who are signatories to the Stipulation.

5 Stipulation – The Stipulation dated June 30, 2005 and incorporated herein as Exhibit
6 “I,” with each of its Exhibits separately identified and incorporated herein as Exhibits “1A”
7 through “1H”.

8 Storage Space – The portion of the Basin capable of holding water for subsequent
9 reasonable and beneficial uses.

10 Wineman Parties – All persons or entities listed on Exhibit “2,” under the subheading
11 “Wineman Parties”.

12 The following Exhibits are attached to this Judgment:

13 1. *Exhibit “I,”* June 30, 2005 Stipulation and the following exhibits thereto:

14 a. *Exhibit “1A,”* list identifying the Stipulating Parties and the parcels of
15 land bound by the Stipulation.

16 b. *Exhibit “1B,”* Phase I and II Orders, as modified, with attachments.

17 c. *Exhibit “1C,”* map of the Basin and boundaries of the three
18 Management Areas.

19 d. *Exhibit “1D,”* map identifying those lands as of January 1, 2005: 1)
20 within the boundaries of a municipality or its sphere of influence, or within the process of
21 inclusion in its sphere of influence; or 2) within the certificated service area of a publicly
22 regulated utility; and a list of selected parcels that are nearby these boundaries which are
23 excluded from within these areas.

24 e. *Exhibit “1E,”* 2002 Settlement Agreement between the Northern Cities
25 and Northern Landowners.

26 f. *Exhibit “1F,”* the agreement among Santa Maria, Golden State and
27 Guadalupe regarding Twitchell Project and the Twitchell Management Authority.

28 g. *Exhibit “1G,”* the court’s Order Concerning Electronic Service of

1 Pleadings and Electronic Posting of Discovery Documents dated June 27, 2000.

2 h. *Exhibit "1H,"* the form of memorandum of agreement to be recorded.

3 2. *Exhibit "2,"* List of Non-Stipulating LOG and Wineman Parties and recorded
4 deed numbers of property they owned at the time of trial.

5 3. *Exhibit "3,"* List of Defaulting parties.

6 **A declaratory judgment and physical solution are hereby adjudged and decreed**
7 **as follows:**

8 1. As of the time of trial, LOG and Wineman Parties owned the real property,
9 listed by assessor's parcel numbers, as presented in Exhibit 2.

10 2. The City of Santa Maria and Golden State Water Company are awarded
11 prescriptive rights to ground water against the non-stipulating parties, which rights shall be
12 measured and enforced as described below.

13 3. The City of Santa Maria and Golden State Water Company have a right to use
14 the Basin for temporary storage and subsequent recapture of the Return Flows generated from
15 their importation of State Water Project water, to the extent that such water adds to the supply
16 of water in the aquifer and if there is storage space in the aquifer for such return flows,
17 including all other native sources of water in the aquifer. The City of Santa Maria's Return
18 Flows represent 65 percent of the amount of imported water used by the City. Golden State
19 Water Company's Return Flows represent 45 percent of the amount of imported water used by
20 Golden State in the basin.

21 4. (a) The Northern Cities have a prior and paramount right to produce 7,300 acre-
22 feet of water per year from the Northern Cities Area of the Basin; and (b) the Non-Stipulating
23 Parties have no overlying, appropriative, or other right to produce any water supplies in the
24 Northern Cities Area of the Basin.

25 5. The Groundwater Monitoring Provisions and Management Area Monitoring
26 Programs contained in the Stipulation, including Sections IV(D) (All Management Areas);
27 V(B) (Santa Maria Management Area), VI(C) (Nipomo Mesa Management Area), and VII (1)
28 (Northern Cities Management Area), inclusive, are independently adopted by the court as

1 necessary to manage water production in the basin and are incorporated herein and made terms
2 of this Judgment. The Non-Stipulating Parties shall participate in, and be bound by, the
3 applicable Management Area Monitoring Program. Each Non-Stipulating Party also shall
4 monitor their water production, maintain records thereof, and make the data available to the
5 court or its designee as may be required by subsequent order of the court.

6 6. No Party established a pre-Stipulation priority right to any portion of that
7 increment of augmented groundwater supply within the Basin that derives from the Twitchell
8 Project's operation.

9 7. The court determines that there is a reasonable likelihood that drought and
10 overdraft conditions will occur in the Basin in the foreseeable future that will require the
11 exercise of the court's equity powers. The court therefore retains jurisdiction to make orders
12 enforcing the rights of the parties hereto in accordance with the terms of this judgment.

13 a. Groundwater

14 i. The overlying rights of the LOG and Wineman Parties shall be
15 adjusted by amounts lost to the City of Santa Maria and Golden State Water Company by
16 prescription. The prescriptive rights of the City of Santa Maria and Golden State Water
17 Company must be measured against the rights of all overlying water producers pumping in the
18 aquifer as a whole and not just against the LOG and Wineman Parties because adverse
19 pumping by the said water producers was from the aquifer as a whole and not just against the
20 non-stipulating parties. The City of Santa Maria established total adverse appropriation of
21 5100 acre feet per year and Golden State Water Company established adverse appropriation of
22 1900 acre feet a year, measured against all usufructuary rights within the Santa Maria Basin.
23 The City of Santa Maria and Golden State Water Company having waived the right to seek
24 prescription against the other stipulating parties, may only assert such rights against the non
25 stipulating parties in a proportionate quantity. To demonstrate the limited right acquired by
26 the City of Santa Maria and Golden State Water Company, by way of example, if the
27 cumulative usufructuary rights of the LOG and Wineman Parties were 1,000 acre-feet and the
28 cumulative usufructuary rights of all other overlying groundwater right holders within the

1 Basin were 100,000 acre-feet, the City of Santa Maria and Golden State Water Company
2 would each be entitled to enforce 1% of their total prescriptive right against the LOG and
3 Wineman Parties. That is, Golden State Water Company could assert a prescriptive right of
4 19 annual acre-feet, and the City of Santa Maria 51 annual acre-feet, cumulatively against the
5 LOG and Wineman Parties, each on a proportionate basis as to each LOG and Wineman
6 Party's individual use.

7 ii. The Defaulting Parties failed to appear at trial and prove any
8 usufructuary water rights. The rights of the Defaulting Parties, if any, are subject to the
9 prescriptive rights of the City of Santa Maria and Golden State Water Company, as well as the
10 other rights of said parties as established herein.

11 b. Imported Water

12 The City of Santa Maria and Golden State Water Company shall have rights to Return
13 Flows in the amount provided above.

14 c. Northern Cities

15 The rights of all Parties in the Northern Cities Management Area shall be governed as
16 described above on page 4, lines 21 to 24.

17 8. The LOG and Wineman Parties have failed to sustain the burden of proof in
18 their action to quiet title to the quantity of their ground water rights as overlying owners. All
19 other LOG and Wineman party causes of action having been dismissed, judgment is hereby
20 entered in favor of the Public Water Producers as to the quiet title causes of action brought by
21 the LOG and the Wineman Parties. Legal title to said real property is vested in the Log and
22 Wineman Parties and was not in dispute in this action.

23 9. Each and every Party, their officers, agents, employees, successors and assigns,
24 are enjoined and restrained from exercising the rights and obligations provided through this
25 Judgment in a manner inconsistent with the express provisions of this Judgment.

26 10. Except upon further order of the court, each and every Party and its officers,
27 agents, employees, successors and assigns, is enjoined and restrained from transporting
28 groundwater to areas outside the Basin, except for those uses in existence as of the date of this

1 Judgment; provided, however, that groundwater may be delivered for use outside the Basin as
2 long as the wastewater generated by that use of water is discharged within the Basin, or
3 agricultural return flows resulting from that use return to the Basin.

4 11. Jurisdiction, power and authority over the Stipulating Parties as between one
5 another are governed exclusively by the Stipulation. The court retains and reserves
6 jurisdiction as set forth in this Paragraph over all parties hereto. The court shall make such
7 further or supplemental orders as may be necessary or appropriate regarding interpretation and
8 enforcement of all aspects of this Judgment, as well as clarifications or amendments to the
9 Judgment consistent with the law.

10 12. Any party that seeks the court's exercise of reserved jurisdiction shall file a
11 noticed motion with the court. Any noticed motion shall be made pursuant to the court's
12 Order Concerning Electronic Service of Pleadings and Electronic Posting of Discovery
13 Documents dated June 27, 2000.

14 13. The court shall exercise *de novo* review in all proceedings. The actions or
15 decisions of any Party, the Monitoring Parties, the TMA, or the Management Area Engineer
16 shall have no heightened evidentiary weight in any proceedings before the court.

17 14. As long as the court's electronic filing system remains available, all court
18 filings shall be made pursuant to court's Order Concerning Electronic Service of Pleadings
19 and Electronic Posting of Discovery Documents dated June 27, 2000, or any subsequent
20 superseding order. If the court's electronic filing system is eliminated and not replaced, the
21 Parties shall promptly establish a substitute electronic filing system and abide by the same
22 rules as contained in the court's Order.

23 15. Nothing in this Judgment shall be interpreted as relieving any Party of its
24 responsibilities to comply with state or federal laws for the protection of water quality or the
25 provisions of any permits, standards, requirements, or order promulgated thereunder.

26 16. Each Party shall designate the name, address and e-mail address, if any, to be
27 used for purposes of all subsequent notices and service by a designation to be filed within
28 thirty days after entry of this Judgment. This designation may be changed from time to time

1 by filing a written notice with the court. Any Party desiring to be relieved of receiving notices
2 may file a waiver of notice on a form approved by the court. The court shall maintain at all
3 times a current list of Parties to whom notices are to be sent and their addresses for purposes
4 of service. The court shall also maintain a full current list of names, addresses, and e-mail
5 addresses of all Parties or their successors, as filed herein. Copies of such lists shall be
6 available to any Person. If no designation is made, a Party's designee shall be deemed to be, in
7 order of priority: i) the Party's attorney of record; ii) if the Party does not have an attorney of
8 record, the Party itself at the address specified.

9 17. All real property owned by the Parties within the Basin is subject to this
10 Judgment. The Judgment will be binding upon and inure to the benefit of each Party and their
11 respective heirs, executors, administrators, trustees, successors, assigns, and agents. Any
12 party, or executor of a deceased party, who transfers property that is subject to this judgment
13 shall notify any transferee thereof of this judgment and shall ensure that the judgment is
14 recorded in the line of title of said property. This Judgment shall not bind the Parties that
15 cease to own property within the Basin, and cease to use groundwater. Within sixty days
16 following entry of this Judgment, the City of Santa Maria, in cooperation with the San Luis
17 Obispo entities and Golden State, shall record in the Office of the County Reporter in Santa
18 Barbara and San Luis Obispo Counties, a notice of entry of Judgment.

19 The Clerk shall enter this Judgment.

20
21 SO ORDERED, ADJUDGED, AND DECREED.

22
23 Dated: January 25, 2008

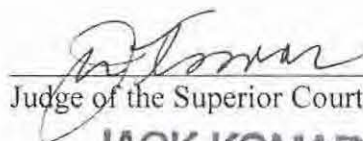
24 
25 _____
26 Judge of the Superior Court
27 **JACK KOMAR**
28

Exhibit 1

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

SUPERIOR COURT OF THE STATE OF CALIFORNIA
COUNTY OF SANTA CLARA

SANTA MARIA VALLEY WATER
CONSERVATION DISTRICT,

Plaintiff,

v.

CITY OF SANTA MARIA, et al.,

Defendants.

AND RELATED CROSS-ACTIONS AND
ACTIONS CONSOLIDATED FOR ALL
PURPOSES

) SANTA MARIA GROUNDWATER
) LITIGATION
) Lead Case No. CV 770214
) (CONSOLIDATED FOR ALL PURPOSES)

) [Consolidated With Case Numbers:
) CV 784900; CV 785509; CV 785522;
) CV 787150; CV 784921; CV 785511;
) CV 785936; CV 787151; CV 784926;
) CV 785515; CV 786791; CV 787152;
) CV 036410]

) San Luis Obispo County Superior Court Case
) Nos. 990738 and 990739

) [Assigned to Judge Jack Komar for All
) Purposes]

STIPULATION (JUNE 30, 2005 VERSION)

TABLE OF CONTENTS

	<u>Page</u>
1	
2	
3	I. INTRODUCTION -- ALL MANAGEMENT AREAS 1
4	A. Parties and Jurisdiction 1
5	B. Further Trial 2
6	C. Definitions..... 2
7	II. EXHIBITS 6
8	III. DECLARATION OF RIGHTS -- ALL MANAGEMENT AREAS 6
9	A. Recognition of Priority of Overlying Rights..... 7
10	B. Prescriptive Rights 7
11	C. Appropriative Rights 7
12	D. Developed Water Rights 7
13	E. Rights to Storage Space 7
14	F. Other Surface Water Rights 7
15	IV. PHYSICAL SOLUTION – ALL MANAGEMENT AREAS 8
16	A. Authority 8
17	B. Purposes and Objectives 8
18	C. Basin Management Areas 8
19	D. Groundwater Monitoring 9
20	E. New Developed Water 10
21	F. Severe Water Shortage Response 11
22	V. PHYSICAL SOLUTION: PROVISIONS SPECIFIC TO SANTA MARIA VALLEY MANAGEMENT AREA 11
23	A. Water Rights to Sources of Supply 11
24	B. Monitoring and Management..... 14
25	C. Response to Varying Conditions..... 15
26	D. Management and Administration of the Twitchell Project..... 17
27	E. New Urban Uses – Santa Maria Valley Management Area..... 20
28	VI. PHYSICAL SOLUTION: PROVISIONS SPECIFIC TO NIPOMO MESA MANAGEMENT AREA 21
29	A. Supplemental Water 21
30	B. Rights to Use Groundwater 23
31	C. NMMA Technical Group 24
32	D. Potentially Severe and Severe Water Shortage Conditions 25
33	E. New Urban Uses 27
34	VII. PHYSICAL SOLUTION: PROVISIONS SPECIFIC TO NORTHERN CITIES MANAGEMENT AREA 28
35	VIII. INJUNCTION – ALL MANAGEMENT AREAS 29
36	A. Use Only Pursuant to Stipulation..... 29
37	B. Injunction Against Transportation From the Basin..... 29

1	C.	No Third Party Beneficiaries	29
2	IX.	RESERVED JURISDICTION – ALL MANAGEMENT AREAS	30
3	A.	Reserved Jurisdiction; Modifications, Cancellations, Amendments.....	30
4	B.	Noticed Motion	31
5	C.	<i>De Novo</i> Nature of Proceeding	31
6	D.	Filing and Notice.....	31
7	X.	MISCELLANEOUS PROVISIONS – ALL MANAGEMENT AREAS	31
8	A.	Unenforceable Terms	31
9	B.	Water Quality	32
10	C.	Duty to Cooperate	32
11	D.	Stipulating Parties Under Public Utilities Commission Regulation	32
12	E.	Designation of Address, for Notice and Service.....	33
13	F.	No Loss of Rights	33
14	G.	Intervention After Judgment	33
15	H.	Stipulation and Judgment Binding on Successors, Assigns, etc.	34
16	I.	Costs.....	34
17	J.	Non-Stipulating Parties	34
18	K.	Counterparts	35
19	L.	Effective Date.....	35

20
21
22
23
24
25
26
27
28

1 **I. INTRODUCTION -- ALL MANAGEMENT AREAS**

2 The Stipulating Parties hereby stipulate and agree to entry of judgment containing the
3 terms and conditions of this Stipulation.

4 **A. Parties and Jurisdiction**

5 1. Plaintiff and Cross-Defendant Santa Maria Valley Water Conservation District
6 ("District") is a water conservation district organized under California Water Code section 74000,
7 *et seq.* The District does not pump Groundwater from the Basin.

8 2. Defendants, Cross-Complainants and Cross-Defendants the City of Santa Maria
9 ("Santa Maria"), City of Guadalupe ("Guadalupe"), Southern California Water Company
10 ("SCWC"), Nipomo Community Services District ("NCSD"), Rural Water Company ("RWC"),
11 City of Arroyo Grande ("Arroyo Grande"), City of Pismo Beach ("Pismo Beach"), City of Grover
12 Beach ("Grover Beach") and Oceano Community Services District ("Oceano") rely, in part, on
13 Groundwater to provide public water service to customers within the Basin.

14 3. Cross-Defendant County of San Luis Obispo ("San Luis Obispo") is a subdivision
15 of the State of California. Cross-Defendant San Luis Obispo County Flood Control and Water
16 Conservation District ("SLO District") is a public entity organized pursuant to the laws of the
17 State of California. Neither San Luis Obispo nor SLO District pumps Groundwater from the
18 Basin.

19 4. Cross-Defendant County of Santa Barbara ("Santa Barbara") is a subdivision of
20 the State of California. Santa Barbara does not pump Groundwater from the Basin.

21 5. Numerous other Cross-Defendants and Cross-Complainants are Overlying
22 Owners. Many of these Overlying Owners pump Groundwater from the Basin, while others do
23 not currently exercise their Overlying Rights. Those Overlying Owners who are Stipulating
24 Parties are identified on Exhibit "A".

25 6. This action presents an *inter se* adjudication of the claims alleged between and
26 among all Parties. This Court has jurisdiction over the subject matter of this action and over the
27 Parties herein.

28 ///

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

B. Further Trial

The Stipulating Parties recognize that not all Parties have entered into this Stipulation and that a trial will be necessary as to all non-Stipulating Parties. No Stipulating Party shall interfere or oppose the effort of any other Stipulating Party in the preparation and conduct of any such trial. All Stipulating Parties agree to cooperate and coordinate their efforts in any trial or hearing necessary to obtain entry of a judgment containing the terms and conditions of this Stipulation. No Stipulating Party shall have any obligation to contribute financially to any future trial.

C. Definitions

As used in this Stipulation, the following terms shall have the meanings herein set forth:

1. Annual or Year – That period beginning January 1 and ending December 31.
2. Annual Report – The report prepared and filed with the Court annually for each Management Area.
3. Appropriative Rights – The right to use surplus Native Groundwater for reasonable and beneficial use.
4. Available State Water Project Water – The amount of SWP Water an Importer is entitled to receive in a given Year based upon the California Department of Water Resources final Table A allocation.
5. Basin - The groundwater basin described in the Phase I and II orders of the Court, as modified, and presented in Exhibit “B”.
6. Developed Water – Groundwater derived from human intervention as of the date of this Stipulation, which shall be limited to Twitchell Yield, Lopez Water, Return Flows, and recharge resulting from storm water percolation ponds.
7. Groundwater – Twitchell Yield, Lopez Water, Return Flows, storm water percolation, Native Groundwater and all other recharge percolating within the Basin.
8. Importer(s) – Any Party who brings Imported Water into the Basin. At the date of this Stipulation, the Importers are Santa Maria, SCWC, Guadalupe, Pismo Beach, and Oceano.

1 9. Imported Water – Water within the Basin, originating outside the Basin
2 that absent human intervention would not recharge or be used in the Basin.

3 10. Lopez Project – Lopez Dam and Reservoir located on Arroyo Grande
4 Creek, together with the associated water treatment plant, delivery pipeline and all associated
5 facilities, pursuant to State Water Resources Control Board permit No. 12814 (A-18375) and
6 pending application No. A-30826.

7 11. Lopez Water – Groundwater within the Basin derived from the operation of
8 the Lopez Project.

9 12. Management Areas – The three areas within the Basin that have sufficient
10 distinguishing characteristics to permit the water resources and facilities of each area to be
11 individually managed. The Management Areas are: the Northern Cities Management Area, the
12 Nipomo Mesa Management Area, and the Santa Maria Valley Management Area, as shown on
13 Exhibit "C".

14 13. Management Area Engineer – The individual(s) or consulting firm(s) that
15 are hired to prepare the Monitoring Plan(s) and Annual Report(s) for one or more of the
16 Management Areas.

17 14. Monitoring Parties – Those Parties responsible for conducting and funding
18 each Monitoring Program.

19 15. Monitoring Program – The data collection and analysis program to be con-
20 ducted within each Management Area sufficient to allow the preparation of the Annual Report.

21 16. Native Groundwater – Groundwater within the Basin, not derived from
22 human intervention, that replenishes the Basin through precipitation, stream channel infiltration,
23 tributary runoff, or other natural processes.

24 17. New Developed Water – Groundwater derived from human intervention
25 through programs or projects implemented after the date of this Stipulation.

26 18. New Urban Uses – Municipal and industrial use which may occur on land
27 that, as of January 1, 2005, was located: 1) within the boundaries of a municipality or its sphere of
28 influence, or within the process of inclusion in its sphere of influence; or 2) within the certificated

1 service area of a publicly regulated utility. The New Urban Use areas are identified in Exhibit
2 "D". New Urban Uses does not include the current DJ Farms development within Guadalupe
3 City limits (including Santa Barbara County APN 113-080-18, 113-080-24).

4 19. Nipomo Mesa Management Area or NMMA – That Management Area
5 shown on Exhibit "C".

6 20. Nipomo Mesa Management Area Technical Group – The committee
7 formed to administer the relevant provisions of the Stipulation regarding the Nipomo Mesa
8 Management Area.

9 21. Northern Cities Management Area – That Management Area which is part
10 of Zone #3 of the San Luis Obispo County Flood Control and Water Conservation District as
11 shown on Exhibit "C".

12 22. Northern Cities – Arroyo Grande, Pismo Beach, Grover Beach and
13 Oceano.

14 23. Northern Parties – The Northern Cities, the Overlying Owners within the
15 Northern Cities Management Area, San Luis Obispo and the SLO District.

16 24. Overlying Right – The appurtenant right of an Overlying Owner to use
17 Native Groundwater for overlying, reasonable and beneficial use.

18 25. Overlying Owner(s) – Owners of land overlying the Basin who hold an
19 Overlying Right.

20 26. Party – Each Person in this consolidated action, whether a Stipulating
21 Party or a non-Stipulating Party.

22 27. Person – Any natural person, firm, association, organization, joint venture,
23 partnership, business, trust, corporation, or public entity.

24 28. Public Hearing – A hearing after notice to all Parties and to any other
25 person legally entitled to notice.

26 29. Return Flows – Groundwater derived from use and recharge within the
27 Basin of water delivered through State Water Project facilities.

28 ///

- 1 30. Santa Maria Valley Management Area – That Management Area shown on
2 Exhibit “C”.
- 3 31. Severe Water Shortage Conditions – Those conditions, as separately
4 defined in a Severe Water Shortage Response Plan for each Management Area, that trigger
5 certain discretionary and mandatory responses by the Stipulating Parties upon order of the Court.
- 6 32. Severe Water Shortage Response Plan – The discretionary and mandatory
7 responses for each Management Area that are to be implemented when Severe Water Shortage
8 Conditions exist.
- 9 33. State Water Project Water or SWP Water – Water imported through the
10 State of California State Water Resources Development System pursuant to Division 6, Part 6,
11 Chapter 8, of the California Water Code.
- 12 34. Stipulating Party – A Party that has signed this Stipulation, as listed in
13 Exhibit “A”, or its heirs, executors, administrators, trustees, successors, assigns, and agents.
- 14 35. Storage Space – The portion of the Basin capable of holding water for sub-
15 sequent reasonable and beneficial uses.
- 16 36. SWP Contract(s) – Those series of contracts that entitle the Importers to
17 use SWP facilities to bring Imported Water into the Basin.
- 18 37. Twitchell Management Authority or TMA – The committee formed to
19 administer the relevant provisions of the Stipulation regarding the Santa Maria Valley Manage-
20 ment Area.
- 21 38. Twitchell Participants – Those Stipulating Parties holding rights to
22 Twitchell Yield.
- 23 39. Twitchell Project – Dam and reservoir authorized by Congress as the
24 “Santa Maria Project” on September 3, 1954 (Public Law 774, 83d Congress, ch. 1258, 2d
25 session, 68 Stat. 1190) and located on the Cuyama River, approximately six miles upstream from
26 its junction with the Sisquoc River, pursuant to that certain License For Diversion And Use of
27 Water, License No. 10416, issued by the State Water Resources Control Board.

28 ///

1 40. Twitchell Water – Groundwater derived from operation of the Twitchell
2 Project.

3 41. Twitchell Yield – The total amount of Groundwater allocated annually to
4 the Twitchell Participants.

5 **II. EXHIBITS**

6 The following Exhibits are attached to this Stipulation and incorporated herein:

7 1. *Exhibit "A"*, list identifying the Stipulating Parties and the parcels of land
8 bound by the terms of this Stipulation.

9 2. *Exhibit "B"*, Phase I and II Orders, as modified, and the attached map
10 depicting the Santa Maria Basin.

11 3. *Exhibit "C"*, map of the Basin and boundaries of the three Management
12 Areas.

13 4. *Exhibit "D"*, map identifying those lands as of January 1, 2005: 1) within
14 the boundaries of a municipality or its sphere of influence, or within the process of inclusion in its
15 sphere of influence; or 2) within the certificated service area of a publicly regulated utility; and a
16 list of selected parcels that are nearby these boundaries which are excluded from within these
17 areas.

18 5. *Exhibit "E"*, 2002 Settlement Agreement between the Northern Cities and
19 Northern Landowners.

20 6. *Exhibit "F"*, the agreement among Santa Maria, SCWC and Guadalupe
21 regarding the Twitchell Project and the TMA.

22 7. *Exhibit "G"*, the Court's Order Concerning Electronic Service of Pleadings
23 and Electronic Posting of Discovery Documents dated June 27, 2000.

24 8. *Exhibit "H"*, the form of memorandum of agreement to be recorded.

25 **III. DECLARATION OF RIGHTS -- ALL MANAGEMENT AREAS**

26 The terms and conditions of this Stipulation set forth a physical solution concerning
27 Groundwater, SWP Water and Storage Space, consistent with common law water rights priorities.

28 ///

1 **A. Recognition of Priority of Overlying Rights**

2 Except as expressly modified by the settlement agreement among the Northern Parties
3 (Exhibit "E"), all Overlying Owners that are also Stipulating Parties have a prior and paramount
4 Overlying Right, whether or not yet exercised.

5 **B. Prescriptive Rights**

6 As to the Stipulating Parties, no Party has proved prescriptive rights to any Native
7 Groundwater. Future use by the Stipulating Parties will not be adverse and will not ripen into a
8 prescriptive right as between the Stipulating Parties.

9 **C. Appropriative Rights**

10 Consistent with the specific provisions governing each Management Area, the Stipulating
11 Parties owning and exercising Appropriative Rights have the right to the reasonable and bene-
12 ficial use of Native Groundwater that is surplus to the reasonable and beneficial uses of the
13 Stipulating Parties that are Overlying Owners. New appropriative uses shall be subordinate to
14 existing appropriations and shall be prioritized on a first in time, first in right basis.

15 **D. Developed Water Rights**

16 The Stipulating Parties owning Developed Water or New Developed Water have the right
17 to its reasonable and beneficial use, consistent with the specific provisions governing each
18 Management Area. The right to use Developed Water is a right to use commingled Groundwater
19 and is not limited to the corpus of that water.

20 **E. Rights to Storage Space**

21 The Court shall reserve jurisdiction over the use of the Storage Space, and any Party may
22 apply to the Court for the approval of a project using Storage Space. The Court must approve any
23 project using Storage Space before any Party can claim a right to stored water from that project.
24 The Stipulating Parties agree that Groundwater derived from Developed Water is exempt from
25 the Court approval requirements of this Paragraph.

26 **F. Other Surface Water Rights**

27 Nothing in this Stipulation affects or otherwise alters common law riparian rights or any
28 surface water rights, unless expressly provided in this Stipulation.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

IV. PHYSICAL SOLUTION – ALL MANAGEMENT AREAS

A. Authority

Pursuant to Article X, section 2 of the California Constitution, the Stipulating Parties agree that the Court has the authority to enter a judgment and physical solution containing the terms and conditions of this Stipulation. Unless the Court imposes this physical solution, potential changes in water use could affect Basin adequacy and integrity. The Declaration of Rights is a component of this physical solution.

B. Purposes and Objectives

The terms and conditions of this Stipulation are intended to impose a physical solution establishing a legal and practical means for ensuring the Basin's long-term sustainability. This physical solution governs Groundwater, SWP Water and Storage Space, and is intended to ensure that the Basin continues to be capable of supporting all existing and future reasonable and beneficial uses. This physical solution is: 1) a fair and equitable basis for the allocation of water rights in the Basin; 2) in furtherance of the mandates of the State Constitution and the water policy of the State of California; and 3) a remedy that gives due consideration to applicable common law rights and priorities to use Groundwater and Storage Space, without substantially impairing any such right.

C. Basin Management Areas

Development and use of Groundwater, SWP Water and Storage Space have historically been financed and managed separately in three Management Areas. For example, only the Northern Parties have paid for, managed, and benefited from the Lopez Project; whereas only Santa Maria Valley parties have paid for, managed, and benefited from the Twitchell Project. In contrast, the Nipomo Mesa parties have not been involved in the funding or management of either the Twitchell or Lopez Projects.

The Stipulating Parties agree that Groundwater, SWP Water and Storage Space can be more efficiently allocated and managed in three Management Areas, given the physical, geographical, political, economic, and historic conditions. The three Management Areas, as shown on Exhibit "C," are as follows: Northern Cities Management Area; Nipomo Mesa Management

1 Area; and Santa Maria Valley Management Area. The Stipulating Parties intend that manage-
2 ment through three Management Areas will preserve the Basin's integrity.

3 **D. Groundwater Monitoring**

4 1. Monitoring Program. A Monitoring Program shall be established in each
5 of the three Management Areas to collect and analyze data regarding water supply and demand
6 conditions. Data collection and monitoring shall be sufficient to determine land and water uses in
7 the Basin, sources of supply to meet those uses, groundwater conditions including groundwater
8 levels and quality, the amount and disposition of Developed Water supplies, and the amount and
9 disposition of any other sources of water supply in the Basin. The Northern Cities Management
10 Area shall not be required to include in its Monitoring Program or Annual Reports quantification
11 of groundwater recharge from the Lopez Project or storm water percolation ponds, unless the
12 Court orders inclusion of this information.

13 Within one hundred and eighty days after entry of judgment, representatives of the Moni-
14 toring Parties from each Management Area will present to the Court for its approval their
15 proposed Monitoring Program. The Management Area Engineers shall freely share available well
16 data, groundwater models, and other products and tools utilized in monitoring and analysis of
17 conditions in the three Management Areas, consistent with the confidentiality provisions of this
18 Stipulation.

19 Absent a Court order to the contrary, all Stipulating Parties shall make available relevant
20 information regarding groundwater elevations and water quality data necessary to implement the
21 Monitoring Program approved for their respective Management Area. The Monitoring Parties
22 shall coordinate with the Stipulating Parties to obtain any needed data on reasonable terms and
23 conditions. Metering may only be imposed on Stipulating Parties upon a Court order following a
24 showing that such data is necessary to monitor groundwater conditions in the Basin, and in the
25 case of an Overlying Owner, that Overlying Owner has failed to provide information comparable
26 to that provided by other Overlying Owners. The confidentiality of well data from individual
27 owners and operators will be preserved, absent a Court order or written consent.

28 ///

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

2. Monitoring Parties. The Monitoring Parties are as follows:

- (a) Santa Maria Valley Management Area – The Twitchell Management Authority.
- (b) Northern Cities Management Area – The Northern Cities.
- (c) Nipomo Mesa Management Area – The NMMA Technical Group.

3. Annual Reports. Within one hundred and twenty days after each Year, the Management Area Engineers will file an Annual Report with the Court. The Annual Report will summarize the results of the Monitoring Program, changes in groundwater supplies, and any threats to Groundwater supplies. The Annual Report shall also include a tabulation of Management Area water use, including Imported Water availability and use, Return Flow entitlement and use, other Developed Water availability and use, and Groundwater use. Any Stipulating Party may object to the Monitoring Program, the reported results, or the Annual Report by motion.

4. Management Area Engineer. The Monitoring Parties may hire individuals or consulting firms to assist in the preparation of the Monitoring Programs and the Annual Reports. Except as provided below for the Santa Maria Valley Management Area, the Monitoring Parties, in their sole discretion, shall select, retain and replace the Management Area Engineer.

E. New Developed Water

1. Stipulating Parties in each Management Area may prepare and implement plans to develop, salvage or import additional water supplies.

2. The Stipulating Parties that pay, or otherwise provide consideration, for New Developed Water are entitled to use it to the extent the New Developed Water augments the water supplies in that Management Area. If more than one Stipulating Party finances or participates in generating New Developed Water, rights to the supply of New Developed Water shall be proportional to each Stipulating Party’s financial contribution or other consideration, or as otherwise mutually agreed to by the participating Stipulating Parties. This paragraph does not apply to Return Flows.

///

1 3. The Stipulating Parties who desire to claim New Developed Water supplies
2 must bring a motion, and obtain an order from the Court, quantifying and allocating the rights to
3 the New Developed Water, before they have the prior right to the New Developed Water.

4 **F. Severe Water Shortage Response**

5 This physical solution sets forth a Severe Water Shortage Plan for each Management Area
6 which is intended to provide an effective response to Severe Water Shortage Conditions that may
7 develop within each or all of the Management Areas. The specific Severe Water Shortage Plans
8 for each Management Area are incorporated herein and made a part of the physical solution.

9 **V. PHYSICAL SOLUTION: PROVISIONS SPECIFIC TO SANTA MARIA VALLEY**
10 **MANAGEMENT AREA**

11 As supplemented by the provisions of this Stipulation that apply to all Management Areas,
12 the following terms govern rights to Groundwater, SWP Water and Storage Space in the Santa
13 Maria Valley Management Area.

14 **A. Water Rights to Sources of Supply**

15 1. Overlying Rights. The Stipulating Parties who are Overlying Owners
16 within the Santa Maria Valley Management Area each have the prior and paramount right to use
17 Native Groundwater. Subject to Paragraph V(C)(2)(b)(vi), all Overlying Rights are appurtenant
18 to the overlying land and cannot be assigned or conveyed separate or apart from those lands.

19 2. Appropriative Rights. The Parties listed in Exhibit "A" are the owners of
20 Appropriative Rights exercised in the Santa Maria Valley Management Area. Each Appropriative
21 Right is limited to Native Groundwater that is surplus to reasonable and beneficial uses of the
22 Stipulating Parties that are Overlying Owners in the Santa Maria Valley Management Area. New
23 appropriative uses shall be subordinate to existing Appropriative Rights and shall be prioritized
24 on a first in time, first in right basis.

25 3. Developed Water. The Stipulating Parties owning Developed Water have
26 the right to its reasonable and beneficial use, subject only to the Severe Water Shortage Plan. On
27 an annual basis, the Stipulating Parties shall have the right to the reasonable and beneficial use of
28 Developed Water that is surplus to the reasonable and beneficial uses of the owners of that

1 Developed Water. The right to use Developed Water is a right to use commingled Groundwater
2 and is not limited to the corpus of that water.

3 (a) New Developed Water. The ownership and use of New Developed
4 Water shall be subject to Court order.

5 (b) Twitchell Water.

6 (i) *Amount*. The Twitchell Project annually provides a variable
7 amount of Developed Water that augments the Groundwater in the Santa Maria Valley Manage-
8 ment Area. Twitchell Yield is thirty-two thousand acre-feet per year (“afy”).

9 (ii) *Division of Twitchell Yield*. Twitchell Yield shall be
10 divided as follows: 80% to Santa Maria, SCWC and Guadalupe, and 20% to the Overlying
11 Owners within the District who are Stipulating Parties.

12 a. The Twitchell Yield allocated to Santa Maria,
13 SCWC and Guadalupe is suballocated pursuant to the agreement among Santa Maria, SCWC and
14 Guadalupe, as attached and incorporated herein as Exhibit “F”.

15 b. The Twitchell Yield allocated to the Overlying
16 Owners who are Stipulating Parties within the District shall be equally allocated to each acre of
17 land within the District owned by these Stipulating Parties. Concurrently with the execution of
18 this Stipulation, each of these Stipulating Parties shall report their acreage of overlying land
19 within the District on a parcel specific basis. Within one hundred and twenty days of the effec-
20 tive date of this Stipulation, the Management Area Engineer shall create a list of all the Stipu-
21 lating Parties and their respective allocation of the Twitchell Yield.

22 (iii) *Recapture of Twitchell Yield*. The right to use Twitchell
23 Yield is a right to use commingled Groundwater and is not limited to the corpus of that water.

24 (iv) *Transfer of Twitchell Yield*. Twitchell Yield may be trans-
25 ferred, temporarily or permanently, only between Stipulating Parties and the transfer market shall
26 be as open and competitive as practical. A memorandum of agreement summarizing each transfer
27 shall be filed with the Court and provided to the TMA. Any such memorandum of agreement
28 shall state the Parties to the transfer, the amount of Twitchell Yield transferred, the price per acre-

1 foot, and the Party responsible for the financial obligation associated with the Twitchell Yield.

2 (v) *Carryover.* Any portion of Twitchell Yield that is not used
3 in a given Year shall not be carried over into the following Year.

4 (c) State Water Project Water.

5 (i) *Import and Use of State Water Project Water.* Santa Maria,
6 SCWC and Guadalupe all have SWP Contracts. Santa Maria will import and use within the Santa
7 Maria Valley Management Area not less than 10,000 acre-feet each Year of Available SWP
8 Water, or the full amount of Available SWP Water if the amount physically available is less than
9 10,000 acre-feet in a given Year under Santa Maria's SWP Contract. Guadalupe will import and
10 use within the Santa Maria Valley Management Area a minimum of 75% of its Available SWP
11 Water. SCWC will import and use within the Basin all its Available SWP Water. Santa Maria,
12 SCWC and Guadalupe will not voluntarily relinquish or terminate their current SWP Contracts,
13 and shall seek renewal of these SWP Contracts.

14 (ii) *Return Flows.*

15 a. *Fixed Amount.* The Return Flows available to each
16 Importer is fixed based on a percentage of the annual amount of SWP Water the Importer uses
17 within the Basin. The fixed percentage for each importer is as follows: (a) Santa Maria 65%; (b)
18 SCWC 45%; and (c) Guadalupe 45%. The percentage provided to SCWC and Guadalupe shall
19 be adjusted through a Court order if: a) either entity increases its use of water imported into the
20 Basin, b) the applicable method of wastewater treatment and discharge to the Basin is altered, or
21 c) good cause is shown.

22 b. *Recapture.* The right to use Return Flows does not
23 attach to the corpus of SWP water deliveries or the treated SWP wastewater discharged into the
24 Basin but is a right to use the commingled Groundwater. The Importer's right to Return Flows is
25 assignable in whole or in part, subject to necessary accounting.

26 c. *Quantification of Return Flows.* Return Flows equal
27 the total amount of SWP Water used by the Importer in the prior five Years, divided by five, and
28 then multiplied by the Importer's percentage as provided in Paragraph V(A)(3)(c)(ii)(a) above.

1 d. Carryover. Any portion of Return Flows that is not
2 used in a given Year shall not be carried over into the following Year.

3 **B. Monitoring and Management**

4 1. Status of Management Area. Current Groundwater and SWP Water sup-
5 plies are sustaining existing water uses. Changes in land and water use and demographic con-
6 ditions can be expected to occur, possibly resulting in changes in water supply or demand
7 requirements.

8 2. Need for Monitoring. Monitoring and reporting of changes in land and
9 water use and demographic conditions are necessary to ensure that water supplies continue to be
10 sufficient to support water uses.

11 3. Monitoring Program.

12 (a) Annual Report: Content and Processing.

13 The Annual Report shall include an analysis of the relationship between projected water demands
14 and projected water supplies.

15 (i) The Annual Report shall be prepared and signed by the
16 Management Area Engineer, and shall be simultaneously submitted to the Court and the TMA.

17 (ii) Within forty-five days of submission, the TMA shall hold a
18 noticed public hearing to take comments on and consider for adoption the Annual Report. No
19 later than forty-five days from the date of the public hearing, the TMA shall submit to the Court
20 its recommendations regarding the Annual Report.

21 (iii) Within one hundred and twenty days of the date of the
22 submission of the Annual Report to the Court, it shall conduct a noticed hearing on the Annual
23 Report. Any Party may submit comments on the Annual Report. After the hearing, the Court
24 shall accept the Annual Report or direct its modification.

25 (b) Management Area Engineer

26 (i) Absent the unanimous consent of the TMA, the Manage-
27 ment Area Engineer shall not concurrently be employed by any Party holding rights to use
28 Groundwater in the Santa Maria Valley Management Area.

1 (ii) The Management Area Engineer shall initially be the engin-
2 eering firm of Luhdorff & Scalmanini. Luhdorff & Scalmanini shall be the Management Area
3 Engineer for a minimum of the shorter of five years from the date of this Stipulation or the date
4 upon which Mr. Joseph Scalmanini discontinues full time work for that firm.

5 (iii) The TMA shall employ the following process to replace the
6 Management Area Engineer:

7 a. The TMA shall solicit candidates for Management
8 Area Engineer through a public process. All submissions and candidate materials shall be avail-
9 able to any Party upon request. The TMA shall conduct its interview through a public process to
10 the extent practical, and include District and Overlying Owner representatives in the candidate
11 review process.

12 b. Once a short list of candidates (less than five) for
13 Management Area Engineer is obtained, the TMA shall hold a noticed public hearing to take
14 comments on and consider the candidates for Management Area Engineer. The TMA shall make
15 a reasonable effort to select the Management Area Engineer with a unanimous vote. If the TMA
16 unanimously endorses a candidate, that nominee shall be recommended to the Court. Otherwise,
17 the short list of candidates shall be submitted.

18 c. The Court shall appoint the Management Area
19 Engineer following a noticed hearing.

20 4. *Funding.* The TMA shall pay for the Monitoring Program for the Santa
21 Maria Valley Management Area, which includes the cost of the Management Area Engineer and
22 the Annual Report. The cost of the Monitoring Program shall be divided among the Twitchell
23 Participants on the same basis as the allocation of their Twitchell Yield.

24 **C. Response to Varying Conditions**

25 1. *Early Response to Avoid Severe Water Shortage Conditions.* If the Man-
26 agement Area Engineer determines that projected demands are expected to materially exceed
27 projected water supplies, then the Management Area Engineer may recommend programs and
28 projects to augment the Management Area's water supplies. The Stipulating Parties will collabo-

1 rate on a response based upon current conditions, but absent Severe Water Shortage Conditions,
2 implementation of programs and projects will not be mandated.

3 The Stipulating Parties may voluntarily participate in any recommended program or
4 project, either through financial or other contributions. The Stipulating Parties that contribute to
5 such a program or project shall have a priority to the water supplies generated by that program or
6 project with Court approval. The Stipulating Parties agree to aggressively pursue New
7 Developed Water sources, including necessary funding.

8 2. Severe Water Shortage Conditions and Response.

9 (a) Determination. Severe Water Shortage Conditions shall be found
10 to exist when the Management Area Engineer, based on the results of the ongoing Monitoring
11 Program, finds the following: 1) groundwater levels in the Management Area are in a condition of
12 chronic decline over a period of not less than five Years; 2) the groundwater decline has not been
13 caused by drought; 3) there has been a material increase in Groundwater use during the five-Year
14 period; and 4) monitoring wells indicate that groundwater levels in the Santa Maria Valley
15 Management Area are below the lowest recorded levels.

16 (b) Response.

17 (i) If the Management Area Engineer determines that Severe
18 Water Shortage Conditions exist within the Santa Maria Valley Management Area, the Manage-
19 ment Area Engineer shall file and serve, as part of its Annual Report, findings and recommen-
20 dations to alleviate such shortage conditions or the adverse effects caused by such water shortage.

21 (ii) Upon the filing of the Annual Report, the Court shall hold a
22 noticed hearing regarding the existence and appropriate response to the Severe Water Shortage
23 Conditions. If, after that hearing, the Court finds that Severe Water Shortage Conditions exist in
24 the Santa Maria Valley Management Area, the Court shall first order all use of Groundwater to be
25 limited to: (a) for Guadalupe, Santa Maria and SCWC, their Developed Water; (b) entitled
26 Stipulating Parties to their New Developed Water; and (c) for the Overlying Owners, the Native
27 Groundwater plus any Developed Water to which individual Overlying Owners are entitled.

28 ///

1 (iii) The Court may also order Stipulating Parties to address
2 specific adverse effects caused by the Severe Water Shortage Conditions. The responses may
3 include, but are not limited to: (a) measures recommended in the Annual Report and the related
4 Court proceedings; and (b) other measures intended to address localized problems in the Santa
5 Maria Valley Management Area directly related to the Severe Water Shortage Conditions.

6 (iv) The Court may adjust the Groundwater use limitations
7 imposed on any Stipulating Party(ies) who implement programs or projects providing additional
8 water supplies within the Santa Maria Valley Management Area.

9 (v) If the Court finds that Management Area conditions have
10 deteriorated since it first found Severe Water Shortage Conditions, the Court may impose further
11 limitations on Groundwater use. If the Court imposes further limitations on Groundwater use, a
12 Stipulating Party shall be exempt from those limitations to the extent: (a) the Stipulating Party can
13 demonstrate that it has already implemented limitations in its Groundwater use, equivalent to
14 those ordered by the Court; or (b) the Stipulating Party can demonstrate that further limitations
15 would not avoid or reduce the deteriorating conditions.

16 (vi) During Severe Water Shortage Conditions, the Stipulating
17 Parties may make agreements for temporary transfer of rights to pump Native Groundwater,
18 voluntary fallowing, or the implementation of extraordinary conservation measures. Transfers of
19 Native Groundwater must benefit the Management Area and be approved by the Court.

20 **D. Management and Administration of the Twitchell Project**

21 1. Operational Parameters. All Twitchell Project operations (operation and
22 maintenance and capital projects) will be performed consistent with the following parameters
23 (Operational Parameters):

24 (a) Maximize recharge of the Santa Maria Valley Management Area
25 from Twitchell Water, including without limitation, the avoidance of impacts on recharge
26 resulting from ongoing accumulation of silt to the maximum extent practical.

27 (b) Operate the Twitchell Project in accordance with the requirements
28 of applicable law including, without limitation, the requirements of the Bureau of Reclamation

1 and Army Corps of Engineers.

2 (c) Operate the Twitchell Project in accordance with industry standards
3 and best management practices.

4 2. Twitchell Project Manual.

5 (a) The TMA will hire and pay for a professional engineering con-
6 sulting firm with expertise in dam and reservoir operations and maintenance, acceptable to the
7 District and the TMA, to develop an integrated operation and maintenance procedure manual
8 (“Twitchell Project Manual”) and provide recommendations for capital and maintenance projects
9 that are consistent with the Operational Parameters.

10 (b) The District shall hold one or more public hearings to solicit input
11 regarding the content of the Twitchell Project Manual.

12 (c) Within eighteen months of entry of the judgment, the TMA and the
13 District shall adopt a final Twitchell Project Manual.

14 (d) Any disagreement between the District and the TMA regarding the
15 content of the final Twitchell Project Manual shall be presented for Court review and determina-
16 tion pursuant to the judicial review provisions provided in this Stipulation.

17 (e) The District will exercise its discretionary authority to conduct all
18 its operation and maintenance activities for the Twitchell Project in accordance with the Twitchell
19 Project Manual.

20 3. Twitchell Project Funding.

21 (a) District will maintain its current operation and maintenance (O&M)
22 assessments. These funds will be used for District staff salaries, property, equipment, rent,
23 expenses, and other day-to-day operations, and will be expended consistent with the Twitchell
24 Project Manual to the extent it is applicable.

25 (b) The TMA will separately fund, administer, construct and manage
26 any additional Twitchell Project expenses or projects, including Capital Improvement Projects
27 (see below) and O&M, (Extraordinary Project Operations) consistent with the Twitchell Project
28 Manual. The TMA and the District will make reasonable efforts to work cooperatively to imple-

1 ment Extraordinary Project Operations.

2 (c) Consistent with the provisions of this Paragraph V(D), the District
3 and the TMA shall be responsible for ensuring the ongoing operational integrity of the Twitchell
4 Project and the maintenance of the Twitchell Yield. The Stipulating Parties expect that this
5 ongoing responsibility may involve significant expenditures. Within 120 days of the effective
6 date of this Stipulation, and annually thereafter, the Twitchell Participants shall establish an
7 operating budget for the TMA to fund its responsibilities set forth in this Stipulation. For the first
8 five years following the PUC approval as provided below, the TMA's annual budget shall be
9 established at an amount between \$500,000 to \$700,000. Following the initial budgeting period,
10 the TMA shall set its budget in three- to five-year increments, as it deems necessary to meet its
11 obligations to preserve the Twitchell Yield. Any unused revenues shall be segregated into a
12 reserve account, for future funding needs of the Twitchell Project. The Stipulating Parties agree
13 to cooperate and coordinate their efforts to enable the TMA to fulfill its responsibilities as pro-
14 vided in this Stipulation.

15 4. Twitchell Management Authority.

16 (a) The TMA shall be comprised of one representative of each of the
17 following parties: Santa Maria, Guadalupe, Southern California Water Company, the District, and
18 Overlying Landowners holding rights to Twitchell Yield.

19 (b) Only those parties holding an allocation of Twitchell Yield shall be
20 voting members of the TMA. Voting shall be based on each party's proportionate allocation of
21 Twitchell Yield.

22 (c) The TMA shall be responsible for all the Extraordinary Project
23 Operations.

24 (d) The TMA shall be responsible for developing proposals for Capital
25 Improvement Projects relating to the Twitchell Project. Capital Improvement Projects shall mean
26 projects involving the expenditure of funds for the improvement or enhancement of the Twitchell
27 Project, but shall not include normal operation, maintenance or repair activities.

28 ///

1 (e) Upon the development of a proposal for a Capital Improvement
2 Project, the TMA shall, in cooperation with the District, hold one or more public hearings to
3 solicit input.

4 (f) Following the public hearing process, the TMA may vote on
5 whether to implement the Capital Improvement Project.

6 (g) The cost of TMA-sponsored Extraordinary Project Operations and
7 Capital Improvement Projects shall be divided among Twitchell Participants on the same basis as
8 the allocation of their Twitchell Yield.

9 (h) The District shall assume operation and maintenance responsibility
10 for any TMA sponsored Capital Improvement Project to the extent practical within the District's
11 day-to-day operations.

12 5. Regulatory Compliance. The TMA or the District shall provide advance
13 notice to the Court and all Parties of the initiation of any regulatory proceeding relating to the
14 Twitchell Project.

15 6. Existing Contracts. The Twitchell Reservoir Project will continue to be
16 governed by and subject to the terms and conditions of the December 1955 agreement between
17 the District and the Santa Barbara County Water Agency and nothing in this Stipulation is
18 intended to modify the rights or obligations provided in that agreement. To the extent that the
19 approval of Santa Barbara County Water Agency or the United States Bureau of Reclamation is
20 required in connection with the implementation of this Stipulation, the Stipulating Parties agree to
21 work cooperatively to obtain such approval(s).

22 **E. New Urban Uses – Santa Maria Valley Management Area**

23 1. New Urban Uses shall obtain water service from the local public water
24 supplier. The local public water supplier shall provide water service on a reasonable and non-
25 discriminatory basis.

26 2. New municipal and industrial uses on land adjacent to or within one-
27 quarter mile of the boundary line depicted in Exhibit D shall comply with any applicable Cor-
28 porations Code provisions and negotiate in good faith to obtain water service from the local

1 public water supplier, before forming a mutual water company to provide water service.

2 3. No modification of land use authority. This Stipulation does not modify
3 the authority of the entity holding land use approval authority over the proposed New Urban
4 Uses.

5 4. New Urban Uses shall provide a source of supplemental water to offset the
6 water demand associated with that development. For the purposes of this section, supplemental
7 water shall include all sources of Developed Water, except: i) Twitchell Water, ii) storm water
8 percolation ponds existing as of the date of entry of the judgment, or iii) Overlying Owners' right
9 to use of surplus Developed Water.

10 **VI. PHYSICAL SOLUTION: PROVISIONS SPECIFIC TO NIPOMO MESA MAN-**
11 **AGEMENT AREA**

12 As supplemented by the provisions of this Stipulation that apply to all Management Areas,
13 the following terms shall apply to the Nipomo Mesa Management Area.

14 **A. Supplemental Water**

15 1. MOU. NCS D has entered into a Memorandum of Understanding
16 ("MOU") with Santa Maria which contemplates the wholesale purchase and transmission from
17 Santa Maria to the NMMA of a certain amount of water each Year (the "Nipomo Supplemental
18 Water"). All water delivered pursuant to the MOU for delivery by NCS D to its ratepayers shall
19 be applied within the NCS D or the NCS D's sphere of influence as it exists at the time of the
20 transmission of that water.

21 2. The NCS D agrees to purchase and transmit to the NMMA a minimum of
22 2,500 acre-feet of Nipomo Supplemental Water each Year. However, the NMMA Technical
23 Group may require NCS D in any given Year to purchase and transmit to the NMMA an amount
24 in excess of 2,500 acre-feet and up to the maximum amount of Nipomo Supplemental Water
25 which the NCS D is entitled to receive under the MOU if the Technical Group concludes that such
26 an amount is necessary to protect or sustain Groundwater supplies in the NMMA. The NMMA
27 Technical Group also may periodically reduce the required amount of Nipomo Supplemental
28 Water used in the NMMA so long as it finds that groundwater supplies in the NMMA are not

1 endangered in any way or to any degree whatsoever by such a reduction.

2 3. The Stipulating Parties agree to support (and, conversely, not to oppose in
3 any way or to encourage or assist any other Person or party in opposing or challenging) the imple-
4 mentation of the MOU, which includes environmental and regulatory permits and approvals, the
5 approval of a wholesale water supply agreement between Santa Maria and NCSD, and the
6 alignment and construction of a pipeline and related infrastructure necessary to deliver the
7 Nipomo Supplemental Water from Santa Maria to the NMMA (“Nipomo Supplemental Water
8 Project”). ConocoPhillips retains the right to object to or provide input on the alignment of any
9 pipelines associated with the Nipomo Supplemental Water Project if they might interfere with the
10 location of existing ConocoPhillips pipelines. The Stipulating Parties retain their rights to be
11 compensated for any interest or property acquired in implementing the Nipomo Supplemental
12 Water Project.

13 4. NCSD and Santa Maria shall employ their best efforts to timely implement
14 the Nipomo Supplemental Water Project, subject to their quasi-judicial obligations specified for
15 administrative actions and in the California Environmental Quality Act.

16 5. The enforcement of the provisions of Paragraph VI(D) below is condi-
17 tioned upon the full implementation of the Nipomo Supplemental Water Project, including the
18 Yearly use of at least 2,500 acre-feet of Nipomo Supplemental Water (subject to the provisions of
19 Paragraph VI(A)(2) above) within the NMMA. In the event that Potentially Severe Water
20 Shortage Conditions or Severe Water Shortage Conditions are triggered as referenced in Para-
21 graph VI(D) before Nipomo Supplemental Water is used in the NMMA, NCSD, SCWC,
22 Woodlands and RWC agree to develop a well management plan that is acceptable to the NMMA
23 Technical Group, and which may include such steps as imposing conservation measures, seeking
24 sources of supplemental water to serve new customers, and declaring or obtaining approval to
25 declare a moratorium on the granting of further intent to serve or will serve letters. In the event
26 that it becomes apparent that the Nipomo Supplemental Water will not be fully capable of being
27 delivered, any Stipulating Party may apply to the Court, pursuant to a noticed motion, for appro-
28 priate modifications to this portion of the Stipulation and the judgment entered based upon the

1 terms and conditions of this Stipulation, including declaring this Paragraph VI to be null and void,
2 and of no legal or binding effect.

3 6. Once the Nipomo Supplemental Water is capable of being delivered, those
4 certain Stipulating Parties listed below shall purchase the following portions of the Nipomo
5 Supplemental Water Yearly:

- 6 NCS D - 66.68%
- 7 Woodlands Mutual Water Company - 16.66%
- 8 SCWC - 8.33%
- 9 RWC - 8.33%

10 **B. Rights to Use Groundwater**

11 1. ConocoPhillips and its successors-in-interest shall have the right to the
12 reasonable and beneficial use of Groundwater on the property it owns as of the date of this Stipu-
13 lation located in the NMMA (“ConocoPhillips Property”) without limitation, except in the event
14 the mandatory action trigger point (Severe Water Shortage conditions) described in Paragraph
15 VI(D) (2) below is reached. Further, any public water supplier which provides water service to
16 the ConocoPhillips Property may exercise that right subject to the limitation described in Para-
17 graph VI(D)(2).

18 2. Overlying Owners that are Stipulating Parties that own land located in the
19 NMMA as of the date of this Stipulation shall have the right to the reasonable and beneficial use
20 of Groundwater on their property within the NMMA without limitation, except in the event the
21 mandatory action trigger point (Severe Water Shortage Conditions) described in Paragraph
22 VI(D)(2) below is reached.

23 3. The Woodlands Mutual Water Company shall not be subject to restriction
24 in its reasonable and beneficial use of Groundwater, provided it is concurrently using or has made
25 arrangements for other NMMA parties to use within the NMMA, the Nipomo Supplemental
26 Water allocated to the Woodlands in Paragraph VI(A)(5). Otherwise, the Woodlands Mutual
27 Water Company shall be subject to reductions equivalent to those imposed on NCS D, RWC and
28 SCWC, as provided in Paragraph VI(D)(1-2).

1 ///

2 **C. NMMA Technical Group**

3 1. The NMMA Technical Group shall include representatives appointed by
4 NCS D, SCWC, ConocoPhillips, Woodlands Mutual Water Company and an agricultural Over-
5 lying Owner who is also a Stipulating Party.

6 2. The NMMA Technical Group shall develop a Monitoring Program for the
7 NMMA (“NMMA Monitoring Program”), which shall be consistent with the Monitoring
8 Program described in Paragraph IV(D). The NMMA Monitoring Program shall also include the
9 setting of well elevation and water quality criteria that trigger the responses set forth in Paragraph
10 D below. The Stipulating Parties shall provide monitoring and other production data to the
11 NMMA Technical Group at no charge, to the extent that such data has been generated and is
12 readily available. The NMMA Technical Group shall adopt rules and regulations concerning
13 measuring devices and production reports that are, to the extent feasible, consistent with the
14 Monitoring Programs for other Management Areas. If the NMMA Technical Group is unable to
15 agree on any aspect of the NMMA Monitoring Program, the matter may be resolved by the Court
16 pursuant to a noticed motion.

17 3. The NMMA Technical Group meetings shall be open to any Stipulating
18 Party. NMMA Technical Group files and records shall be available to any Stipulating Party upon
19 written request. Notices of the NMMA Technical Group meetings, as well as all its final work
20 product (documents) shall be posted to groups.yahoo.com/group/NipomoCommunity/

21 4. The NMMA Technical Group functions shall be funded by contribution
22 levels to be negotiated by NCS D, SCWC, RWC, ConocoPhillips, and Woodlands Mutual Water
23 Company. In-lieu contributions through engineering services may be provided, subject to agree-
24 ment by those parties. The budget of the NMMA Technical Group shall not exceed \$75,000 per
25 year without prior approval of the Court pursuant to a noticed motion.

26 5. Any final NMMA Technical Group actions shall be subject to *de novo*
27 Court review by motion.

28 ///

1 ///

2 **D. Potentially Severe and Severe Water Shortage Conditions**

3 1. Caution trigger point (Potentially Severe Water Shortage Conditions)

4 (a) Characteristics. The NMMA Technical Group shall develop
5 criteria for declaring the existence of Potentially Severe Water Shortage Conditions. These
6 criteria shall be approved by the Court and entered as a modification to this Stipulation or the
7 judgment to be entered based upon this Stipulation. Such criteria shall be designed to reflect that
8 water levels beneath the NMMA as a whole are at a point at which voluntary conservation
9 measures, augmentation of supply, or other steps may be desirable or necessary to avoid further
10 declines in water levels.

11 (b) Responses. If the NMMA Technical Group determines that Potentially Severe Water Shortage Conditions have been reached, the Stipulating Parties shall coordinate their efforts to implement voluntary conservation measures, adopt programs to increase the supply of Nipomo Supplemental Water if available, use within the NMMA other sources of Developed Water or New Developed Water, or implement other measures to reduce Groundwater use.

17 2. Mandatory action trigger point (Severe Water Shortage Conditions)

18 (a) Characteristics. The NMMA Technical Group shall develop the
19 criteria for declaring that the lowest historic water levels beneath the NMMA as a whole have
20 been reached or that conditions constituting seawater intrusion have been reached. These criteria
21 shall be approved by the Court and entered as a modification to this Stipulation or the judgment to
22 be entered based upon this Stipulation.

23 (b) Responses. As a first response, subparagraphs (i) through (iii) shall
24 be imposed concurrently upon order of the Court. The Court may also order the Stipulating
25 Parties to implement all or some portion of the additional responses provided in subparagraph (iv)
26 below.

27 (i) For Overlying Owners other than Woodlands Mutual Water
28 Company and ConocoPhillips, a reduction in the use of Groundwater to no more than 110% of

1 the highest pooled amount previously collectively used by those Stipulating Parties in a Year,
2 prorated for any partial Year in which implementation shall occur, unless one or more of those
3 Stipulating Parties agrees to forego production for consideration received. Such forbearance shall
4 cause an equivalent reduction in the pooled allowance. The base Year from which the calculation
5 of any reduction is to be made may include any prior single Year up to the Year in which the
6 Nipomo Supplemental Water is transmitted. The method of reducing pooled production to 110%
7 is to be prescribed by the NMMA Technical Group and approved by the Court. The quantifica-
8 tion of the pooled amount pursuant to this subsection shall be determined at the time the manda-
9 tory action trigger point (Severe Water Shortage Conditions) described in Paragraph VI(D)(2) is
10 reached. The NMMA Technical Group shall determine a technically responsible and consistent
11 method to determine the pooled amount and any individual's contribution to the pooled amount.
12 If the NMMA Technical Group cannot agree upon a technically responsible and consistent
13 method to determine the pooled amount, the matter may be determined by the Court pursuant to a
14 noticed motion.

15 (ii) ConocoPhillips shall reduce its Yearly Groundwater use to
16 no more than 110% of the highest amount it previously used in a single Year, unless it agrees in
17 writing to use less Groundwater for consideration received. The base Year from which the calcu-
18 lation of any reduction is to be made may include any prior single Year up to the Year in which
19 the Nipomo Supplemental Water is transmitted. ConocoPhillips shall have discretion in deter-
20 mining how reduction of its Groundwater use is achieved.

21 (iii) NCS D, RWC, SCWC, and Woodlands (if applicable as
22 provided in Paragraph VI(B)(3) above) shall implement those mandatory conservation measures
23 prescribed by the NMMA Technical Group and approved by the Court.

24 (iv) If the Court finds that Management Area conditions have
25 deteriorated since it first found Severe Water Shortage Conditions, the Court may impose further
26 mandatory limitations on Groundwater use by NCS D, SCWC, RWC and the Woodlands. Manda-
27 tory measures designed to reduce water consumption, such as water reductions, water restrictions,
28 and rate increases for the purveyors, shall be considered.

1 ///

2 (v) During Severe Water Shortage Conditions, the Stipulating
3 Parties may make agreements for temporary transfer of rights to pump Native Groundwater,
4 voluntary fallowing, or the implementation of extraordinary conservation measures. Transfer of
5 Native Groundwater must benefit the Management Area and be approved by the Court.

6 **E. New Urban Uses**

7 1. Within the sphere of influence or service area. New Urban Uses shall
8 obtain water service from the local public water supplier. The local public water supplier shall
9 provide water service on a reasonable and non-discriminatory basis.

10 2. Outside the sphere of influence or service area. New municipal and indus-
11 trial uses on land adjacent to or within one quarter mile of the boundary line depicted in Exhibit D
12 shall comply with any applicable Corporations Code provisions, including good faith negotiations
13 with the local water purveyor(s), prior to forming a mutual water company to provide water
14 service.

15 3. The ConocoPhillips property, owned as of the date of this Stipulation and
16 located within the NMMA, is not in the sphere of influence or service area, nor is it in the process
17 of being included in the sphere of influence, of a municipality or within the certificated service
18 area of a publicly regulated utility as of the date of this Stipulation, nor is it adjacent to or in close
19 proximity to the sphere of influence of a municipality or the certificated service area of a publicly
20 regulated utility as of the date of this Stipulation, as those terms are used in Paragraphs VI(E)(1
21 and 2).

22 4. No modification of land use authority. This Stipulation does not modify the
23 authority of the entity holding land use approval authority over the proposed New Urban Uses.

24 5. New Urban Uses as provided in Paragraph VI(E)(1) above and new muni-
25 cipal and industrial uses as provided in Paragraph VI(E)(2) above shall provide a source of
26 supplemental water, or a water resource development fee, to offset the water demand associated
27 with that development. For the purposes of this Paragraph, supplemental water shall include all
28 sources of Developed Water or New Developed Water.

1 **VII. PHYSICAL SOLUTION: PROVISIONS SPECIFIC TO NORTHERN CITIES**
2 **MANAGEMENT AREA**

3 These terms, supplemented by the provisions of this Stipulation that apply to all
4 Management Areas, govern water rights and resources in the Northern Cities Management Area.

5 1. Groundwater Monitoring. Groundwater monitoring in the Northern Cities
6 Management Area will be conducted by the Northern Cities in the manner described above.

7 2. Lopez Project. The Lopez Project will continue to be managed by the SLO
8 District. The Northern Cities and Landowners will continue to bear costs of the Lopez Reservoir
9 and no costs of the Twitchell Reservoir.

10 3. Independent Management Per Settlement Agreement.

11 (a) Existing Groundwater, SWP Water and Storage Space in the
12 Northern Cities Management Area will continue to be allocated and independently managed by
13 the Northern Parties in accordance with the Northern Cities and Northern Landowners' 2002
14 Settlement Agreement (Exhibit "E") for the purpose of preserving the long-term integrity of water
15 supplies in the Northern Cities Management Area. That Settlement Agreement initially allocates
16 57% of the safe yield of groundwater in Zone 3 to the farmers and 43% to the cities; and it
17 provides *inter alia* that any increase or decrease in the safe yield will be shared by the cities and
18 landowners on a pro rata basis. That Settlement Agreement is reaffirmed as part of this Stipula-
19 tion and its terms are incorporated into this Stipulation, except that the provisions regarding con-
20 tinuing jurisdiction (§ 4), groundwater monitoring, reporting, and the Technical Oversight
21 Committee (§§ 7-20) are canceled and superseded by the provisions of this Stipulation dealing
22 with those issues.

23 (b) Without the written agreement of each of the Northern Cities, no
24 party other than Northern Parties shall have any right to:

25 (i) pump, store, or use Groundwater or surface water within the
26 Northern Cities Management Area; or

27 (ii) limit or interfere with the pumping, storage, management or
28 usage of Groundwater or surface water by the Northern Parties within the Northern Cities

1 Management Area.

2 (c) For drought protection, conservation, or other management pur-
3 poses, the Northern Parties may engage in contractual transfers, leases, licenses, or sales of any of
4 their water rights, including voluntary fallowing programs. However, no Groundwater produced
5 within the Northern Cities Management Area may be transported outside of the Northern Cities
6 Management Area without the written agreement of each of the Northern Cities.

7 4. Current and future deliveries of water within the spheres of influence of the
8 Northern Cities as they exist on January 1, 2005 shall be considered existing uses and within the
9 Northern Cities Management Area.

10 **VIII. INJUNCTION – ALL MANAGEMENT AREAS**

11 **A. Use Only Pursuant to Stipulation**

12 Each and every Stipulating Party, their officers, agents, employees, successors and
13 assigns, are enjoined and restrained from exercising the rights and obligations provided through
14 this Stipulation in a manner inconsistent with the express provisions of this Stipulation.

15 **B. Injunction Against Transportation From the Basin**

16 Except upon further order of the Court, each and every Stipulating Party and its officers,
17 agents, employees, successors and assigns, is enjoined and restrained from transporting Ground-
18 water to areas outside the Basin, except for those uses in existence as of the date of this Stipula-
19 tion; provided, however, that Groundwater may be delivered for use outside the Basin as long as
20 the wastewater generated by that use of water is discharged within the Basin, or agricultural
21 return flows resulting from that use return to the Basin.

22 **C. No Third Party Beneficiaries**

23 This Stipulation is intended to benefit the Stipulating Parties and no other Parties. Only a
24 Stipulating Party may enforce the terms of this Stipulation or assert a right to any benefits of, or
25 enforce any obligations contained in this Stipulation.

26 ///

27 ///

28 ///

1 **IX. RESERVED JURISDICTION – ALL MANAGEMENT AREAS**

2 **A. Reserved Jurisdiction; Modifications, Cancellations, Amendments**

3 Jurisdiction, power and authority are retained by and reserved to the Court as set forth in
4 this Paragraph. Nothing in the Court's reserved jurisdiction shall authorize modification, cancel-
5 lation or amendment of the rights provided under Paragraphs III; V(A, E); VI(A, B, D); VII(2, 3);
6 VIII(A); IX(A, C); and X(A, D) of this Stipulation. Subject to this limitation, the Court shall
7 make such further or supplemental orders as may be necessary or appropriate regarding the
8 following:

- 9 1. enforcement of this Stipulation;
- 10 2. claims regarding waste/unreasonable use of water;
- 11 3. disputes between Stipulating Parties across Management Area boundaries;
- 12 4. interpretation and enforcement of the judgment;
- 13 5. consider the content or implementation of a Monitoring Program;
- 14 6. consider the content, conclusions, or recommendations contained in an
15 Annual Report;
- 16 7. consider Twitchell Project operations, including, but not limited to: i) the
17 content of the Twitchell Project Manual; ii) TMA or District compliance
18 with the Twitchell Project Manual; iii) decisions to implement Extraor-
19 dinary Project Operations; or iv) the maintenance of Twitchell Yield;
- 20 8. claims of localized physical interference between the Stipulating Parties in
21 exercising their rights pursuant to this Stipulation; provided, however,
22 rights to use Groundwater under this Stipulation shall have equal status;
23 and
- 24 9. modify, clarify, amend or amplify the judgment and the Northern Parties
25 Settlement Agreement; Provided, however, that all of the foregoing shall
26 be consistent with the spirit and intent of this Stipulation.

27 ///

28 ///

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

B. Noticed Motion

Any party that seeks the Court’s exercise of reserved jurisdiction shall file a noticed motion with the Court. Any noticed motion shall be made pursuant to the Court’s Order Concerning Electronic Service of Pleadings and Electronic Posting of Discovery Documents dated June 27, 2000, attached and incorporated as Exhibit “G”. Any request for judicial review shall be filed within sixty days of the act or omission giving rise to the claim. Upon a showing of good cause, the Court may extend the sixty-day time limitation.

C. De Novo Nature of Proceeding

The Court shall exercise *de novo* review in all proceedings. The actions or decisions of any Party, the Monitoring Parties, the TMA, or the Management Area Engineer shall have no heightened evidentiary weight in any proceedings before the Court.

D. Filing and Notice

As long as the Court’s electronic filing system remains available, all Court filings shall be made pursuant to Exhibit “G”. If the Court’s electronic filing system is eliminated and not replaced, the Stipulating Parties shall promptly establish a substitute electronic filing system and abide by the same rules as contained in the Court’s Order.

X. MISCELLANEOUS PROVISIONS – ALL MANAGEMENT AREAS

A. Unenforceable Terms

The Stipulating Parties agree that if any provision of this Stipulation or the judgment entered based on this Stipulation is held to be invalid, void, or unenforceable, the remaining provisions shall nevertheless continue in full force and effect; provided, however, any order which invalidates, voids, deems unenforceable, or materially alters those Paragraphs enumerated in Paragraph IX(A) or any of them, shall render the entirety of the Stipulation and the judgment entered based on this Stipulation voidable and unenforceable, as to any Stipulating Party who files and serves a motion to be released from the Stipulation and the judgment based upon the Stipulation within sixty days of entry of that order, and whose motion is granted upon a showing of good cause.

///

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

B. Water Quality

Nothing in the Stipulation shall be interpreted as relieving any Stipulating Party of its responsibilities to comply with state or federal laws for the protection of water quality or the provisions of any permits, standards, requirements, or orders promulgated thereunder.

C. Duty to Cooperate

The Stipulating Parties agree not to oppose, or in any way encourage or assist any other party in opposing or challenging, any action, approval, or proceeding necessary to obtain approval of or make effective this Stipulation or the judgment to be entered on terms consistent with this Stipulation.

D. Stipulating Parties Under Public Utilities Commission Regulation

1. To the extent allowed by law, SCWC and RWC shall comply with this Stipulation, prior to obtaining California Public Utilities Commission ("PUC") approval. If the PUC fails to approve SCWC's and RWC's participation or fails to provide approval of the necessary rate adjustments so that SCWC and RWC may meet their respective financial obligations, including the participation in Developed Water projects, Monitoring Programs, TMA and as otherwise provided in this Stipulation, shall render the entirety of the Stipulation and those terms of any judgment based on this Stipulation invalid, void and unenforceable, as to any Stipulating Party who files and serves a notice of rescission within sixty days of notice by SCWC or RWC of a final PUC Order.

2. Any Party, or its successors or assigns, agreeing to become a new customer of SCWC or RWC, or an existing customer proposing to increase its water use through a change in land use requiring a discretionary land use permit or other form of land use entitlement, that has not executed reservation contracts for supplemental water as specified in Exhibit F will provide the following, once approved by the PUC:

(a) If in the Santa Maria Valley Management Area, a water resource development fee as specified in Exhibit F or a source of supplemental water sufficient to offset the consumptive demand associated with the new use as provided in Paragraph V(E); or

///

1 (b) If in the NMMA, a water resource development fee, or a source of
2 supplemental water sufficient to offset the consumptive demand associated with the new use.

3 3. Any Person who is not engaged in a New Urban Use and who agrees to
4 become a customer of SCWC or RWC shall retain its right to contest the applicable water
5 resource development fee, should that fee ever become applicable to that Person.

6 **E. Designation of Address, for Notice and Service**

7 Each Stipulating Party shall designate the name, address and e-mail address, if any, to be
8 used for purposes of all subsequent notices and service, either by its endorsement on the Stipula-
9 tion for entry of judgment or by a separate designation to be filed within thirty days after execu-
10 tion of this Stipulation. This designation may be changed from time to time by filing a written
11 notice with the Court. Any Stipulating Party desiring to be relieved of receiving notices may file
12 a waiver of notice on a form approved by the Court. The Court shall maintain at all times a
13 current list of Parties to whom notices are to be sent and their addresses for purposes of service.
14 The Court shall also maintain a full current list of names, addresses, and e-mail addresses of all
15 Parties or their successors, as filed herein. Copies of such lists shall be available to any Person.
16 If no designation is made, a Stipulating Party's designee shall be deemed to be, in order of
17 priority: i) the Party's attorney of record; ii) if the Party does not have an attorney of record, the
18 Party itself at the address specified.

19 **F. No Loss of Rights**

20 Nothing in this Stipulation shall be interpreted to require or encourage any Stipulating
21 Party to use more water in any Year than is actually required. As between the Stipulating Parties,
22 failure to use all of the water to which a Stipulating Party is entitled hereunder shall not, no matter
23 how long continued, be deemed or constitute an abandonment or forfeiture of such Stipulating
24 Party's rights, in whole or in part.

25 **G. Intervention After Judgment**

26 Any Person who is not a Party or successor to a Party, who proposes to use Groundwater
27 or Storage Space, may seek to become a Party to the judgment through a petition for intervention.
28 The Court will consider an order confirming intervention following thirty days notice to the

1 Parties. Thereafter, if approved by the Court, such intervenor shall then be a Party bound by the
2 judgment as provided by the Court.

3 **H. Stipulation and Judgment Binding on Successors, Assigns, etc.**

4 The Stipulating Parties agree that all property owned by them within the Basin is subject
5 to this Stipulation and the judgment to be entered based upon the terms and conditions of this
6 Stipulation. This Stipulation and the judgment will be binding upon and inure to the benefit of
7 each Stipulating Party and their respective heirs, executors, administrators, trustees, successors,
8 assigns, and agents. This Stipulation and the judgment to be entered based the terms and condi-
9 tions of this Stipulation shall not bind the Stipulating Parties that cease to own property within the
10 Basin, or cease to use Groundwater. As soon as practical after the effective date of this Stipula-
11 tion, a memorandum of agreement referencing this Stipulation shall be recorded in Santa Barbara
12 and San Luis Obispo Counties by Santa Maria, in cooperation with the Northern Cities and
13 SCWC. The document to be recorded shall be in the format provided in Exhibit "H".

14 **I. Costs**

15 No Stipulating Party shall recover any costs or attorneys fees from another Stipulating
16 Party incurred prior to the entry of a judgment based on this Stipulation.

17 **J. Non-Stipulating Parties**

18 It is anticipated that the Court will enter a single judgment governing the rights of all
19 Parties in this matter. The Stipulating Parties enter into this Stipulation with the expectation that
20 the Court will enter, as a part of the judgment, the terms and conditions of this Stipulation. This
21 Stipulation shall not compromise, in any way, the Court's legal and equitable powers to enter a
22 single judgment that includes provisions applicable to the non-Stipulating Parties that may
23 impose differing rights and obligations than those applicable to the Stipulating Parties. As against
24 non-Stipulating Parties, each Stipulating Party expressly reserves and does not waive its right to
25 appeal any prior or subsequent ruling or order of the Court, and assert any and all claims and
26 defenses, including prescriptive claims. The Stipulating Parties agree they will not voluntarily
27 enter into a further settlement or stipulation with non-Stipulating Parties that provides those non-
28 Stipulating Parties with terms and conditions more beneficial than those provided to similarly

1 situated Stipulating Parties.

2 **K. Counterparts**

3 This Stipulation may be signed in any number of counterparts, including counterparts by
4 facsimile signature, each of which shall be deemed an original, but all of which shall together
5 constitute one and the same instrument. The original signature pages shall be filed with Court.

6 **L. Effective Date**

7 This Stipulation shall be effective when signed by the Stipulating Parties listed on Exhibit
8 "A" and accepted by the Court.

9

Party	Signature, title, and date	Parcels Subject to Stipulation
Attorney of Record	Approved as to form: By: _____ Date: _____	

10
11
12
13
14
15
16

17
18
19
20
21
22
23
24
25
26
27
28

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

PROOF OF SERVICE

I am a resident of the State of California, over the age of eighteen years, and not a party to the within action. My business address is HATCH & PARENT, 21 E. Carrillo Street, Santa Barbara, California 93101.

Pursuant to the Court's Order dated June 28, 2000, I, Gina Lane, did the following:

- Posted the following document at approximately 4:30 p.m. on June 30, 2005.

STIPULATION (JUNE 30, 2005 VERSION)

- Mailed a Notice of Availability to all parties (designating or defaulting to mail service) on the current website's service list.

I am readily familiar with the firm's practice of collection and processing correspondence for mailing. Under that practice it would be deposited with the U.S. Postal Service on that same day with postage thereon fully prepaid in the ordinary course of business. I am aware that on motion of the party served, service is presumed invalid if postal cancellation date or postage meter date is more than one day after date of deposit for mailing in affidavit.

I declare under penalty of perjury under the laws of the State of California that the above is true and correct.

Executed on June 30, 2005, at Santa Barbara, California.



GINA M. LANE

EXHIBIT A

**Stipulating Parties and Parcels of Land
Bound by Terms of Stipulation**

Santa Maria Valley Water Conservation District v. City of Santa Maria
Santa Clara County Superior Court Case No. CV 770214

Awaiting complete list of Stipulating Parties

EXHIBIT B

**Phase I and II Orders (as modified)
and Santa Maria Basin Map**

Santa Maria Valley Water Conservation District v. City of Santa Maria
Santa Clara County Superior Court Case No. CV 770214

IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF SANTA CLARA
DEPARTMENT 17

SANTA MARIA VALLEY WATER)	Case No. CV 770214
CONSERVATION DISTRICTS, A PUBLIC)	
ENTITY,)	ORDER AFTER HEARING GRANTING
) NIPOMO COMMUNITY SERVICES)	
Plaintiff,)	DISTRICT'S MOTION FOR SUMMARY
)	ADJUDICATION
vs.)	
)	
CITY OF SANTA MARIA, A MUNICIPAL)	
CORPORATION, ET AL.)	
)	
_____)	
AND RELATED CROSS-ACTIONS.)	
)	
_____)	

The above-entitled matter came on regularly for hearing on January 8, 2001, at 1:30 p.m., the Honorable Conrad L. Rushing presiding. Counsel Robert Dougherty appeared on behalf of the Land Owner Group Parties and Steven Saxton, appeared on behalf of Plaintiffs and James Markman appeared on behalf of Nipomo Community Services District, Henry Weinstock appeared on behalf of Northern Cities and Ryan Bezzera appeared on behalf of Rancho Maria, et al. The Court, having read and considered the supporting and opposing papers, and having heard and considered the arguments of counsel, and good cause appearing therefor, makes the following order:

IT IS ORDERED THAT:

Nipomo Community Services District's Motion for Summary Adjudication is GRANTED. The Court grants all joinders. Based on the Land Owner Group's concession that the adoption of the "Foreman Line" is appropriate, as well as the concession offered by Mr. Slade that he does not disagree with Mr. Foreman on the "outermost" basin boundary, the Court finds that there is no triable issue of material fact as to the "outermost" basin boundary as articulated in the Declaration of Terry Foreman, dated December 8, 2000, and as depicted on Exhibit 1 thereto¹. (See Nipomo's Statement of Material Fact #3, evidence in support and in opposition thereto.) Therefore, the moving parties are entitled to judgment on all affirmative defenses dealing with uncertainty of the basin boundaries.

The Court finds that the outermost lateral boundary of the Santa Maria Valley Groundwater Basin ("the Basin") lies along a type of material that does not readily transmit water, that is, for the purposes of this case, it is impermeable (impermeable is used here to mean only that the rocks, sediments and other materials do not readily transmit water). Thus, material (rock, sediments, sand, etc.) that do readily transmit water are within the basin.

Those that do not readily store and transmit water are the Foxen Formation or older, including the Franciscan Formation, the Knoxville Formation, the Monterey Formation, the Obispo Formation, and the Siquoc Formation; and those that do readily store and transmit water are the Careaga Sandstone or younger, including the Careaga Formation, the Pismo Formation, the Paso Robles Formation, time-

¹The boundary described herein is shown on that certain map marked Exhibit 1, by a black dash double dot line and said Exhibit is in evidence and a part of this Order.

equivalent Paso Robles Formation, Orcutt Formation, terrace deposits, young and old alluvium, and dune and sand deposits, with the following three exceptions:

- a. The southern boundary along the Solomon Hills is located on the axis of antic lines where the Careaga Sandstone and Paso Robles Formation dip in the Basin on the north side of the axis and dip into a separate basin, the San Antonio Basin, on the south side of the axis;
- b. Where the Basin boundary crosses tributary streams, the boundary is located across the mouth of each such stream to directly connect the closest bedrock contacts on each side of that stream; and,
- c. The western boundary of the Basin is the Pacific Ocean.

The vertical boundary of the Basin is located at the contact between those rocks and sediments that readily store and transmit water (generally, the Careaga Formation and younger) and those rocks and sediments that do not readily store and transmit water (generally, the Foxen Formation and older) as described above in reference to the lateral boundary of the Basin, except that in the northeast portion of the area north of the Santa Maria River, the vertical Basin boundary extends to the base of the Obispo tuffs of the Obispo Formation. The Obispo tuffs underlie the alluvium of the Nipomo Valley, and extend beneath the Paso Robles Formation northerly to the Arroyo Grande Valley.

SO ORDERED.

Dated: January 9, 2001

[ORIGINAL SIGNED]
CONRAD L. RUSHING

CMS
FILED
DEC 21 2001
KIM TORRE
Clerk of the Court
County of Santa Clara
DEPUTY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

**SUPERIOR COURT OF CALIFORNIA
COUNTY OF SANTA CLARA
DEPARTMENT 17C**

**SANTA MARIA VALLEY WATER
CONSERVATION DISTRICTS, a
public entity,**
Plaintiff,
vs.
**CITY OF SANTA MARIA, a municipal
corporation, et al.,**
Defendants,

Case No. CV 770214
**ORDER AFTER HEARING RE:
TRIAL (PHASE II)**
Hearing Date: October 9, 2001
Time: 8:45 a.m.
Dept.: 17C
Judge: Hon. Conrad L. Rushing

AND RELATED CROSS-ACTIONS

Trial of Phase II of the above-entitled matter came on regularly on October 9, 2001, at 10:00 a.m., the Honorable Conrad L. Rushing presiding. The Court, having considered the testimony, declarations and exhibits, and good cause appearing therefor, issues the following decision and order:

Plaintiff's motion for an order establishing the geographic area constituting the Santa Maria Groundwater Basin (hereinafter "Basin"), for the purposes of this case, is hereby GRANTED.

The Court finds that the boundary of the Basin is that described on the map filed as Exhibit 5 with the Declaration of Robert C. Wagner dated November 20, 2001 (which can be found currently at <http://www.sccomplex.org/docfiles/QD0CB28E06D5.pdf>), hereinafter referred to as the

1 "Boundary Line." Each of the parties to the Phase II proceedings on October 9, 2001, stipulated to
2 the Court's determining the Boundary Line of the Basin. The Basin shall also include for purposes
3 of adjudication herein all those parcels of land, which are shown on the said Exhibit 5 and listed on
4 Exhibit 6 to the said Declaration of Robert C. Wagner, which either touch or are intersected by the
5 Boundary Line, to the full extent of the perimeter of such parcels. The Court has not at this time
6 received full briefing as to whether there are legal issues as to such parcels which touch or are
7 intersected by the Boundary Line, concerning whether owners of such parcels may appropriate water
8 from the Basin for the use of the remainder of the subject parcels, whether the owners of such parcels
9 are considered to be landowners or purveyors, or whether their rights to extract or export water are
10 affected by their parcels not being fully within the Basin. Thus, at this time, until further order, the
11 Court orders that those parcels are to be considered within the Basin.

12 The Court finds on the basis of the evidence presented that the Boundary Line demarcates
13 the boundary of the Basin, and that the Basin constitutes the area beneath which groundwater exists
14 in sufficient quantities to be meaningfully included in this lawsuit. The Court also finds that the
15 area previously included in the "outermost basin boundary," but excluded by the Boundary Line,
16 contains potentially water-bearing materials, but nevertheless lacks actual groundwater in amounts
17 sufficient to justify including that area in this case for purposes of adjudicating the various claims
18 to groundwater in the Basin. Owners of lands beneath which no significant groundwater supply
19 exists do not have property right claims concerning such water that present a justiciable issue.
20 Similarly, owners of lands beneath which no significant groundwater supply exists should not be
21 permitted to assert, by virtue of their ownership of such lands, claims respecting groundwater
22 supplies underlying adjacent or nearby lands.

23 The Court further finds that the Declaration of Robert C. Wagner dated November 20, 2001,
24 attached to this Order, along with Mr. Wagner's map and table of parcels, attached as Exhibits 5 and
25 6, set forth sufficient detail regarding the specific parcels traversed by the Basin Boundary Line so
26 as to apprise potentially affected landowners and other interested parties of the location of the Basin
27 and Boundary Line fixed by this Order. A digital rendition of the map prepared by Mr. Wagner to
28 depict affected parcels is posted for inspection on the Court's website.

1 The Court determines that only the lands, groundwater extraction claims and claims to
2 groundwater storage rights within the Boundary Line shall be subject to claims in this lawsuit. The
3 Court has considered the possibility that ground water charging and storage might extend the
4 boundaries of the basin but finds at this point that there is insufficient evidence of that affecting the
5 prospective orders to be made by this Court.

6 The motion of the Northern Cities (joined by other parties) that the Northern Cities Area be
7 conditionally severed from this litigation, is denied. The Northern Cities Area is also shown on the
8 map which is attached as Exhibit 5 to the Declaration of Wagner. That area shall remain within the
9 Basin and Boundary Line fixed in this Order. The Court finds that a comprehensive judgment in this
10 litigation is advisable and necessary, in that only such a comprehensive judgment would prevent later
11 litigation of the same issues, prevent the risk of rulings which are inconsistent, and prevent erroneous
12 rulings which may be affected by facts which would be adduced if the interests of all parties who
13 may be affected by these rulings were represented and involved throughout this litigation. Cases
14 cited by the proponents of severance can also be read as indicating that retaining the Northern Cities
15 Area in the litigation is necessary to render an effective judgment. Orange County Water District
16 v. City of Riverside (1959) 173 Cal.App.2d 137, 173 ("Undoubtedly the preferable course is, so
17 far at least as is practicable, to have all owners of lands on the watershed and all appropriators who
18 use water in court at the same time"); City of Chino v. Superior Court (1967) 255 Cal.App.2d
19 747, 752 ("Because of the failure of OCWD in that earlier suit to join as defendants all claimants to
20 prescriptive rights to water from the Upper and Middle Basins, many questions were left
21 unanswered").

22 The Court has listened to the testimony and read the exhibits submitted, and additionally the
23 supplemental memorandum of Richard C. Slade and supplemental declaration of Terry L. Foreman.
24 The Court finds that there is no substantial controversy that the Northern Cities Area, the Nipomo
25 Mesa and the Santa Maria Valley area all overlie one large groundwater basin. Each area is subject
26 to the same general climatologic and hydrologic conditions. The Court concludes there are no
27 geologic or hydrologic features that separate the Northern Cities Area from the remainder of the
28 Basin encompassed by this litigation. The Court must consider that the water rights to be


1 determined in this litigation will apply to situations that might occur in other than a "best case"
2 scenario. Future conditions could produce adverse impacts, such as drought, earthquake, failure of
3 the Lopez Reservoir, or failure of the Northern Cities for other reasons to adhere to the so-called
4 'gentlemen's agreement' governing groundwater pumping in the Northern Cities Area.
5 Representatives of the Northern Cities failed to stipulate to quieting title in other parties who have
6 sued the Northern Cities for whatever rights they may possess, and failed to stipulate that they would
7 desist from claiming water rights in the remainder of the Basin in such an eventuality. Indeed, it
8 appears from the testimony that groundwater pumping in the Northern Cities area can potentially
9 increase the flow of water to it from other parts of the Basin.

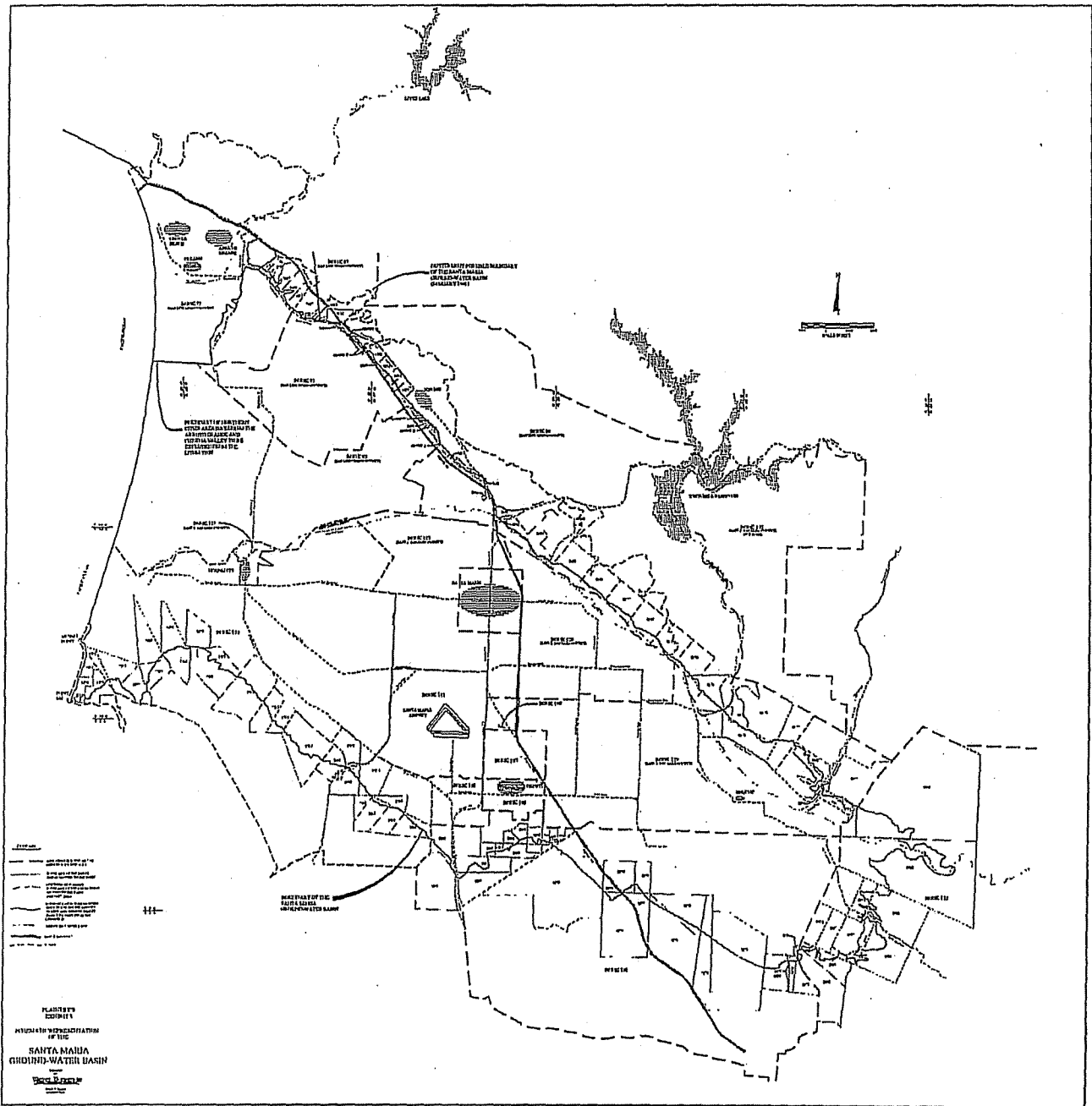
10 The parties reluctance to retain the Northern Cities area in the litigation appears to stem from
11 the prospect of joining and serving all landowners in the Northern Cities area whose rights may
12 potentially be affected. It may be possible, however, to obtain effective representation and due
13 process for such landowners by means of a class action, after due notice is provided, in which such
14 landowners are a defendant class. United States v. Truckee-Carson Irrigation District (D.Nev. 1975)
15 71 F.R.D. 10. The Court would entertain a motion to amend the cross-complaints or other pleadings
16 to join the landowners in that area as a defendant class, represented by a handful of interested
17 landowners who are similarly situated, in lieu of joinder of each owner. The Court would also
18 entertain a motion, briefing and argument as to why it may be inappropriate or inconvenient to
19 adjudicate the matter by means of a defendant class.

20 Any litigant now in the action who is asserting a quiet title claim concerning property outside
21 of the Boundary Line must move for severance of that claim from this action and must file such a
22 motion on or before thirty (30) days following service of this Order. Any such claims for which no
23 motion to sever is filed will be dismissed without prejudice on motion of any party or by the Court
24 on its own motion.

25 SO ORDERED.

26
27 Dated DEC 21 2001

28 
CONRAD L. RUSHING
Judge of the Superior Court



AMS
FILED

JAN 25 2002

KEL TORRE
County Clerk
Superior Court of California Santa Clara
1000 BUCKLEUP DRIVE, SAN JOSE, CALIFORNIA 95128

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

**SUPERIOR COURT OF CALIFORNIA
COUNTY OF SANTA CLARA
DEPARTMENT 17C**

**SANTA MARIA VALLEY WATER
CONSERVATION DISTRICTS, a
public entity,**

Plaintiff,

vs.

**CITY OF SANTA MARIA, a municipal
corporation, et al.,**

Defendants,

Case No. CV 770214

**ORDER WITH RESPECT TO BRIEF OF
CONOCO, INC., NUEVO ENERGY
COMPANY, AERA ENERGY LLC,
TEXACO EXPLORATION AND
PRODUCTION, INC. AND CHEVRON
USA, INC.**

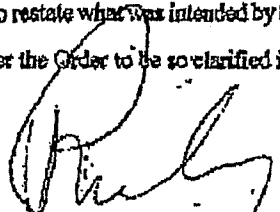
AND RELATED CROSS-ACTIONS

IT IS HEREBY ORDERED:

The Court shall not be holding a hearing with respect to the brief of Conoco, Inc., Nuevo Energy Company, Aera Energy LLC, Texaco Exploration And Production Inc., and Chevron USA Inc., or request for clarification requested therein. The Court finds that the request for clarification found in the Conclusion section of the said Brief appears to restate what was intended by the Court's Order filed December 21, 2002. The parties may consider the Order to be so clarified if it aids in further proceedings in this matter.

SO ORDERED.

Dated: JAN 25 2002


CONRAD L. RUSHING
Judge of the Superior Court

TOTAL P.05

1 SCOTT K. KUNEY, Esq., SB# 111115
2 ERNEST A. CONANT, Esq., SB# 89111
3 STEVEN M. TORIGIANI, Esq., SB# 166773
4 LAW OFFICES OF YOUNG WOOLDRIDGE
5 1800 30th Street, Fourth Floor
6 Bakersfield, California 93301
7 (661) 327-9661

8 Attorneys for Cross-Defendants, Conoco Inc.,
9 Nuevo Energy Company, Aera Energy LLC
10 and ChevronTexaco

ENCLOSED
FILED
JAN 17 2002
BY Neil Gage DEPUTY

11 SUPERIOR COURT OF THE STATE OF CALIFORNIA
12 IN AND FOR THE COUNTY OF SANTA CLARA

13 SANTA MARIA VALLEY WATER)
14 CONSERVATION DISTRICT, a public)
15 entity,)
16)
17)
18)
19)
20)
21)
22)
23)
24)
25)
26)
27)
28)

Plaintiff,

vs.

13 CITY OF SANTA MARIA, et al)
14)
15)
16)
17)
18)
19)
20)
21)
22)
23)
24)
25)
26)
27)
28)

Defendants.

AND RELATED CROSS-ACTIONS

SANTA MARIA GROUNDWATER LITIGATION

Lead Case No. CV 770214

Judge Conrad L. Rushing

21 BRIEF OF CONOCO, INC., NUEVO ENERGY COMPANY,
22 AERA ENERGY LLC, TEXACO EXPLORATION AND
23 PRODUCTION INC., AND CHEVRON USA INC.

24 I.

25 INTRODUCTION

26 This Brief is filed on behalf of Defendants/Cross-Complainants Conoco Inc., Nuevo Energy
27 Company, Aera Energy LLC and Texaco Exploration and Production Inc. and Chevron USA Inc,
28

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

(recently merged and hereinafter known as ChevronTexaco), (collectively referred to as "Oil Group") parties.

On January 8, 2001, this Court entered its order after hearing granting the Santa Maria Valley Water Conservation District and Nipomo Community Service District's motion for summary judgment. The Oil Group joined in that motion as a moving party. The Court ruled that "the moving parties are entitled to judgment on all affirmative defenses dealing with uncertainty of the basin boundaries." (Summary Judgment Order, page 2.) More particularly, this Court adjudged, declared and decreed in its January 9, 2001 Order that the "outermost lateral boundary of the Santa Maria Valley Groundwater Basin ("Basin") lies along a type of material that does not readily transmit water . . . [and that] material (rock, sediments, sand, etc.) that do readily transmit water are within the basin". (Id.) Further, that there was "no triable issue of material fact as to the 'outermost' basin boundary as articulated in the Declaration of Terry Foreman, dated December 8, 2000, and as depicted on Exhibit 1 thereto". ² (Id.)

The Court's Case Management Order No. 6, dated January 9, 2001, provided that "this Court ordered that the hydrogeological boundaries of the . . . Basin . . . be adjudicated separately as the Phase I; of this action. The Court now finds that there is need to determine the boundaries of the area to be adjudicated in this case in order to determine which parties should be excluded from or included in it." (Case Management Order No. 6, page 1) Further, that "Phase II, will decide the limits of the area that will be included in this groundwater adjudication and the areas . . . that may be excluded from this case . . .". (Id.)

¹ The Oil Group parties alleged as a affirmative defense, as against each cross-complainant, that the Santa Maria Basin boundary as alleged in the cross-complaints were insufficiently described and were therefore insufficient on grounds of uncertainty. The Oil Group requests this Court to take judicial notice of such affirmative defenses alleged in each answer to the cross-complaints on file with this Court pursuant to Evidence Code Section 452(d).

1 This Court has now rendered its decision and order, in part providing, that the Santa Maria
2 Valley Conservation District's motion for an order "establishing the geographic area constituting
3 the . . . Basin . . . for the purposes of this case, is hereby GRANTED." (Order, page 2) In sum,
4 the Court stated that it "finds the boundary of the Basin is that described on the map field as
5 Exhibit 5 with the Declaration of Robert C. Wagner, dated November 20, 2001." (Id.)

6
7 This brief is prepared pursuant to this Court's December 21, 2001 Order After Hearing Re:
8 Trial (Phase II) ("Order") requesting receipt of full briefing as to whether there are legal issues
9 raised with regard to parcels which touch or are intersected by the Boundary Line adjudicated as
10 part of the Phase II proceedings. No other provision or issue addressed in the Order is addressed
11 in this Brief.

12
13 Without waiving further objections, the Oil Group parties request this Court to reevaluate and
14 correct its Decision and Order as stated in this Brief. California Code of Civil Procedure Section
15 128(a)(8); Darling, Hall & Rae v. Kritt (1999) 75 Cal.App. 4th 1148, 1156; Berstein v.
16 Consolidated American Ins. Co. (1995) 37 Cal.App. 4th 763, 774; and Nave v. Taggart (1995) 34
17 Cal.App. 4th 1173, 1177.

18
19 **II.**

20 **BRIEFING**

21 With regard to that portion of the Court's Order determining the boundary of the Basin, the
22 Court addressed two (2) separate and distinct issues. First, a determination of the boundary line
23 of the Basin. Second, a conditional provision for potential further adjudication of certain parcels
24 identified to be proximate to the boundary line of the Basin.
25
26
27
28

³ The summary judgment order incorporated the map depicting the "outermost" boundary as part of that January 8, 2001 Order.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

Fundamentally, the Order finds and specifically determines that the boundary of the Basin is that line described in Mr. Wagner's Declaration and depicted as the solid magenta line on the incorporated map, Exhibit 5. In Mr. Wagner's Declaration he declared that,

"The line identified as the boundary of the Santa Maria Ground-Water basin is based on geologic and hydrologic considerations and represents the extent of the aquifers comprising the groundwater basin. This line was developed in part during the meetings of the Technical Committee and to the extent that the boundary encompasses the water bearing sediments with the basin, represents the view of the Technical Committee and its members. This is the same line that was presented to the Court on October 9, 2001 on maps prepared by Mr. Joseph Scalmanini." (Emphasis added.)

Specifically, the Court has stated that it "... finds that the boundary of the Basin is that described on the map filed as Exhibit 5 . . . hereinafter referred to as the Boundary Line."

(Order, page 2) (Emphasis added.) More particularly, the "... Court finds on the basis of the evidence presented that the Boundary Line demarcates the boundary of the Basin, and that the Basin constitutes the area beneath which groundwater exists in sufficient quantities to be meaningfully included in this lawsuit." (Order, page 2.) "The Court determines that only the lands, groundwater extraction claims and claims to groundwater storage rights within the Boundary Line shall be subject to claims in this lawsuit." (Order, page 3.) (Emphasis added.)

Finally with regard to issues of notice and due process the Court decreed that it "... finds that the Declaration of Robert C. Wagner . . . map and table to parcels, attached as Exhibits 5 and 6, set forth sufficient detail regarding the specific parcels traversed by the Basin Boundary Line so as to apprise potentially affected landowners and other interested parties of the location of the Basin and Boundary Line fixed by this Order." (Order, page 3.) (Emphasis added.) Based on

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

these specific findings and determinations, the Court has clearly held that the Basin boundary is that area interior to the solid magenta line depicted on Exhibit 5.

However, in that portion of the Order addressing those parcels which are touched or intersected by the adjudicated Boundary Line, the Court utilizes a significantly different definition. For example, the Order provides that the "Basin shall also include for purposes of adjudication herein all those parcels of land, which are shown on Exhibit 5 and listed on Exhibit 6 . . . to the full extent of the perimeter of such parcels." (Order, page 2). (Emphasis added.)

"Thus, at this time, until further order, the Court orders that those parcels are to be considered within the Basin." (Order, page 2). (Emphasis added.) Under this definition, the Basin boundary could be construed to be that area interior to the solid orange line representative of the several Assessors' Parcel Lines depicted on the Exhibit 5 and not the solid magenta identified by Mr. Wagner and Mr. Scalmanini. Such a construction is directly contradicted by the Court's specific findings and determinations regarding the Basin Boundary and this Court's earlier order adjudicating the "outermost lateral boundary" of the Basin. (Summary Judgment Order, page 2.)

Further, such a construction is not consistent with the Court's stated rationale for conditionally including the entirety of such parcels in this adjudication. Specifically, the Court's Order provides that, at this time and pending further briefing and order from the Court, that such parcels should be included in the area adjudicated by this groundwater litigation. Importantly, the Court has indicated that, while not deciding any such matters, such parcels may raise further legal issues regarding the use of water from the Basin. Therefore, while the Court has held that the full extent of the perimeter of such parcels should, at this time, be included in the area the subject of this groundwater adjudication, not all such lands have been found by the Court to be within the limits of the adjudged Basin Boundary as depicted on Exhibit 5. Importantly, the

1 Court has made no determination with regard to the rights of such parcels and landowners to the
2 use of water from the Basin.

3 This Court has the ability, on its own motion, to reevaluate its own interim rulings, or to
4 correct an erroneous ruling. Darling, Hall & Rae v. Kritt (1999) 75 Cal.App. 4th 1148, 1156;
5 Berstein v. Consolidated American Ins. Co. (1995) 37 Cal.App. 4th 763, 774; California Code of
6 Civil Procedure Section 128(a)(8). "Until entry of judgment, the court retains complete power to
7 change its decision as the court may determine; it may change its conclusions of law or findings
8 of fact". Nave v. Taggart (1995) 34 Cal.App. 4th 1173, 1177.
9

10 III.

11 CONCLUSION

12 In light of this Court's prior orders and decrees, the provisions of the Order, and the above-
13 cited authorities, the Oil Group parties respectfully request confirmation from the Court that the
14 December 21, 2001 order and decision provides, with regard to the issues raised in this Brief, as
15 follows:
16

17 (1) That the boundary of the Basin is as depicted on the Exhibit 5 to the Declaration of
18 Robert C. Wagner, dated November 20, 2001. Specifically, the boundary of the Basin is that line
19 identified on the legend to the map as "boundary of the Santa Maria Ground-Water Basin"
20 depicted on the map as a solid magenta colored line;
21

22 (2) That the Basin boundary is not that line identified on the legend to the map as the
23 "Assessors' Parcel Lines" depicted on the map as a solid orange colored line;
24

25 (3) that those parcels identified on Exhibit 5, which either touch or are intersected by the
26 Boundary Line, are until further order of this Court, provisionally included for purposes of
27 adjudication in this case; and
28

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

(4) that any further order of this Court regarding the adjudication of the rights and duties of such parcels will be determined in subsequent proceedings of this litigation following presentation of evidence and legal briefing on any such issues.

Dated: December 31, 2001

THE LAW OFFICES OF YOUNG WOOLDRIDGE LLP


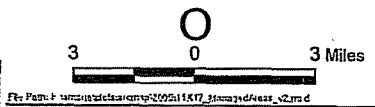
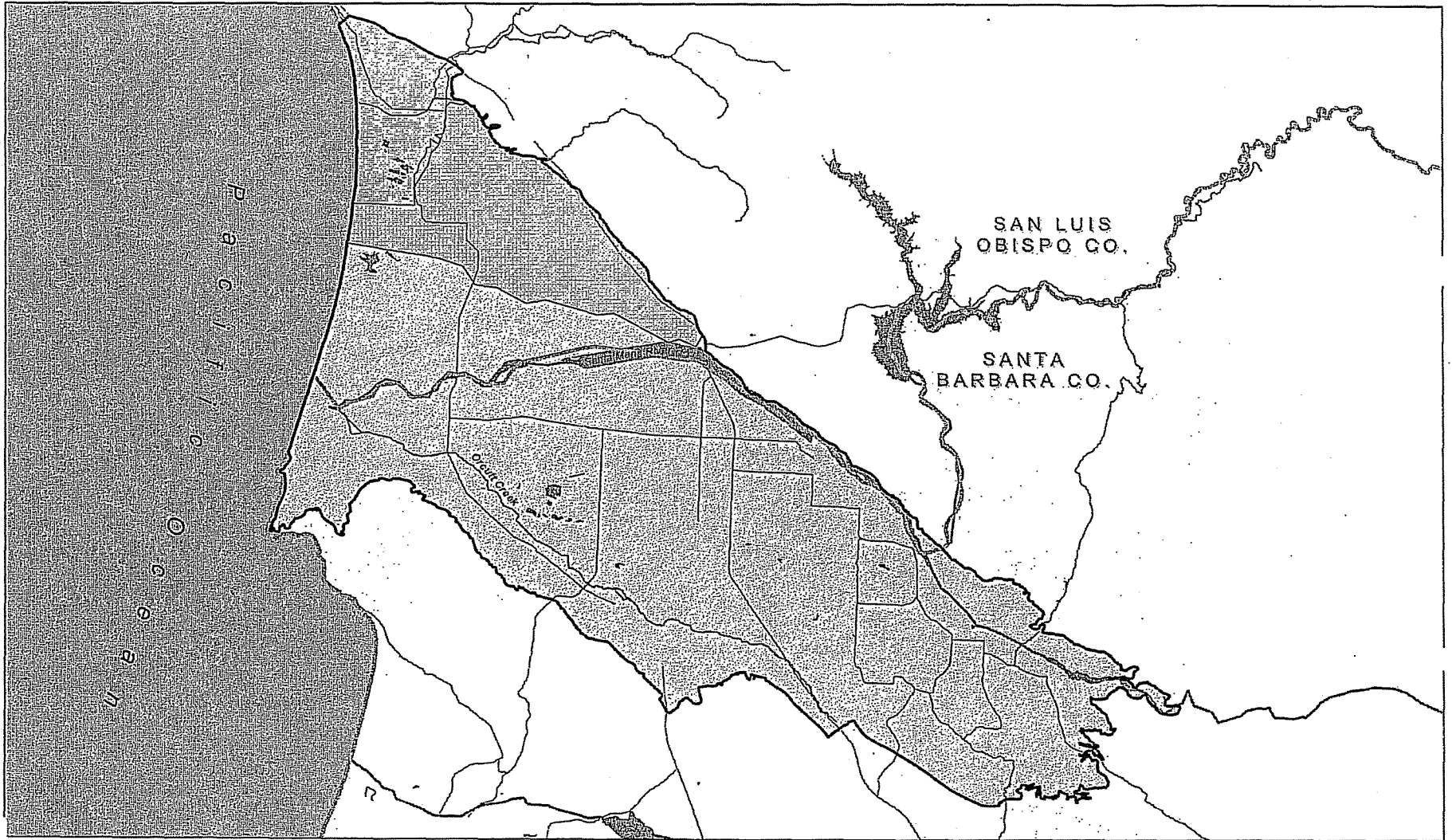
By: 
SCOTT K. KUNEY, Esq.
Attorneys for Cross-Defendants, Conoco, Inc.,
ChevronTexaco, Nuevo Energy Company, and
Aera Energy LLC

EXHIBIT C

**Map of the Basin and Boundaries
of the Three Management Areas**

Santa Maria Valley Water Conservation District v. City of Santa Maria
Santa Clara County Superior Court Case No. CV 770214



Legend

Santa Maria Groundwater Basin	Nipomo Mesa Management Area
Northern Clites Management Area	Santa Maria Valley Management Area

Note: Management Area boundaries are approximate

Management Areas
 Santa Maria Groundwater Basin

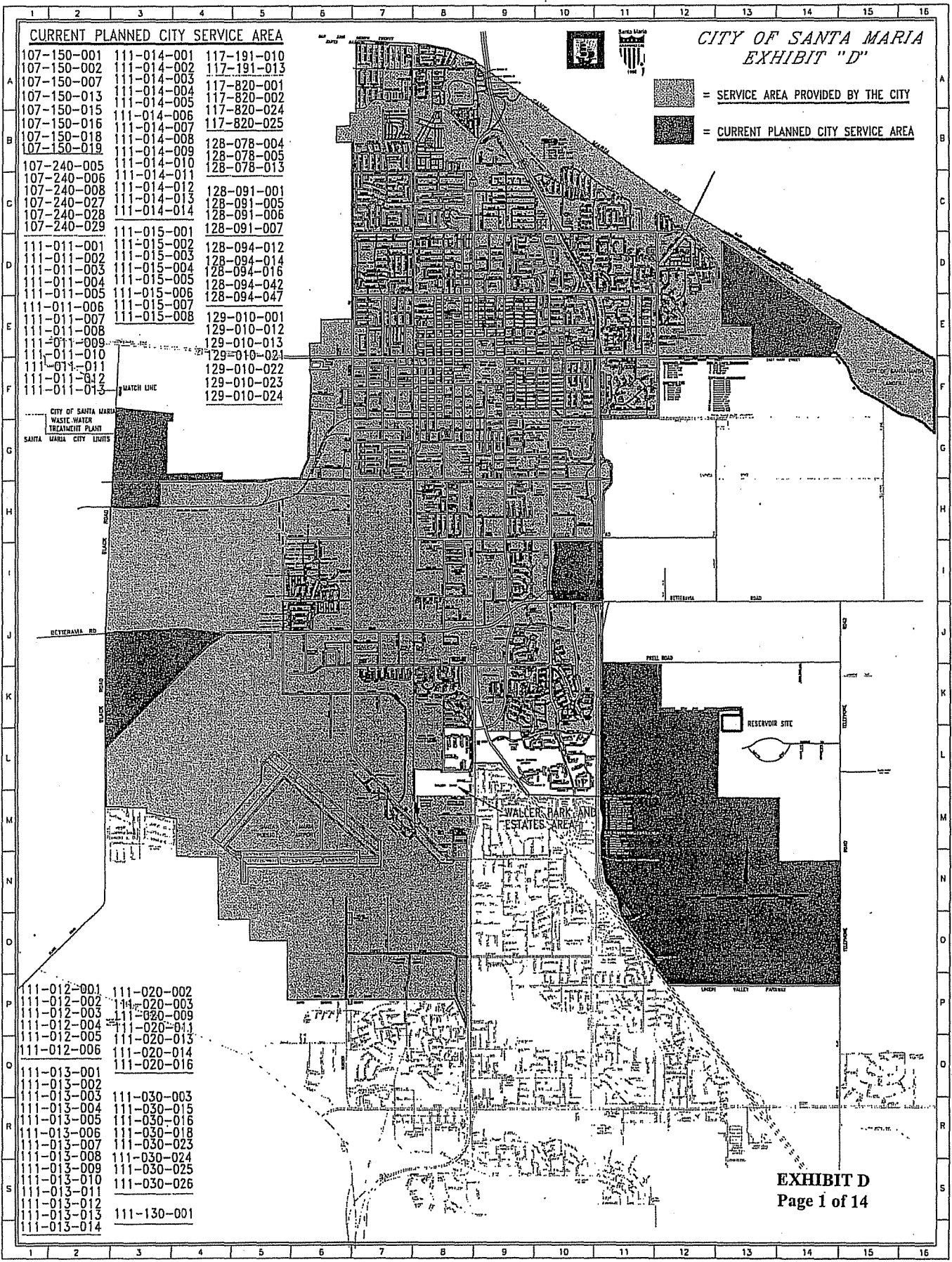
File Path: F:\arcgis\arcswt\comp\2005\1117_3\mangedAreas_v2.mxd

EXHIBIT D

Santa Maria Valley Water Conservation District v. City of Santa Maria
Santa Clara County Superior Court Case No. CV 770214



- I. Maps Identifying Those Lands as of January 1, 2005:
 - a. within the boundaries of a municipality or its sphere of influence, or within the process of inclusion in its sphere of influence; or
 - b. within the certificated service area of a publicly regulated utility.

- II. List of selected parcels that are nearby the boundaries identified on the incorporated maps, which in addition to more distant parcels, are excluded from these new urban use areas.



CURRENT PLANNED CITY SERVICE AREA

**CITY OF SANTA MARIA
EXHIBIT "D"**

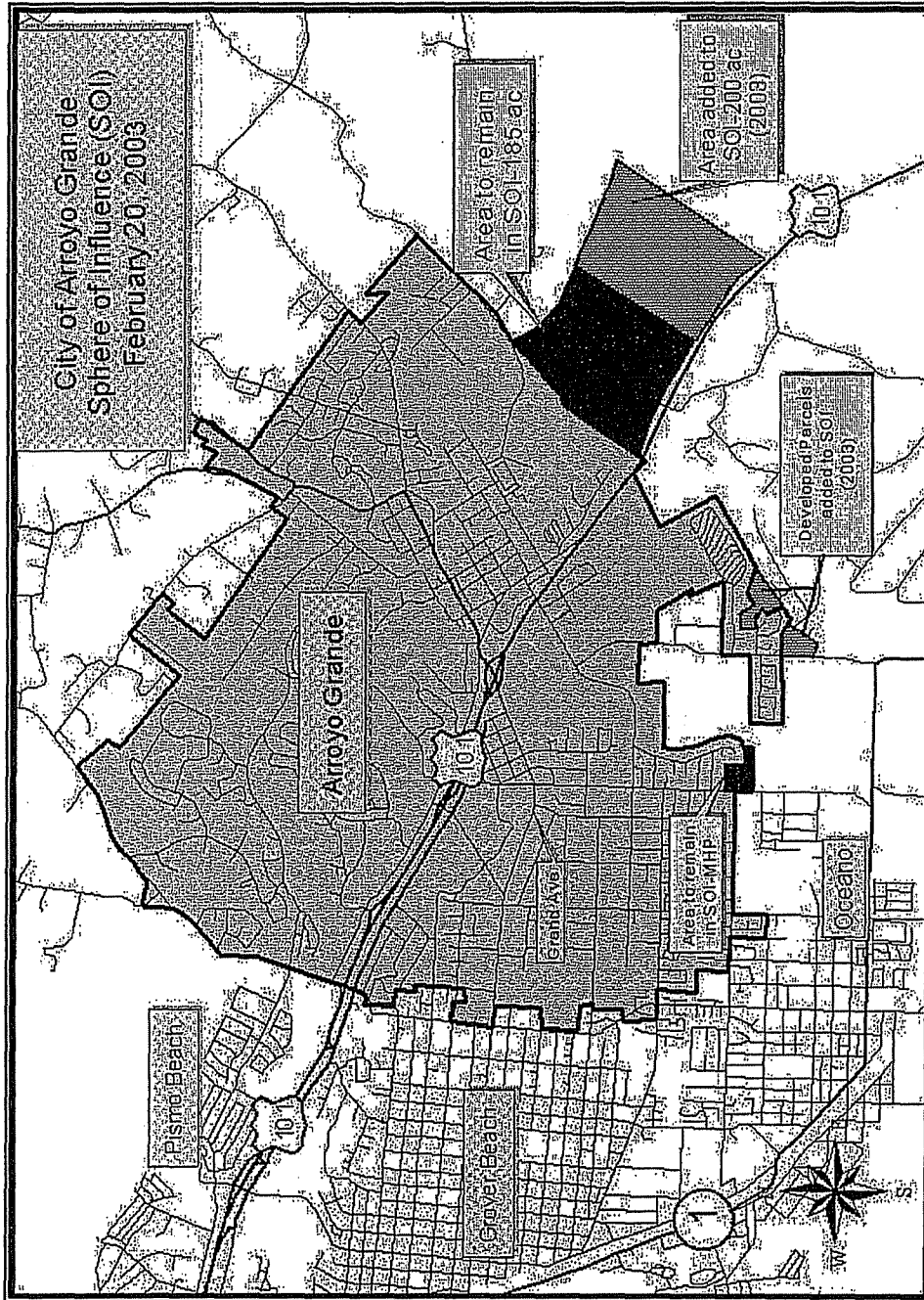
-  = SERVICE AREA PROVIDED BY THE CITY
-  = CURRENT PLANNED CITY SERVICE AREA

107-150-001	111-014-001	117-191-010
107-150-002	111-014-002	117-191-013
107-150-007	111-014-003	117-820-001
107-150-013	111-014-004	117-820-002
107-150-015	111-014-005	117-820-024
107-150-016	111-014-006	117-820-025
107-150-018	111-014-007	
107-150-018	111-014-008	128-078-004
107-150-019	111-014-009	128-078-005
107-240-005	111-014-010	128-078-013
107-240-006	111-014-011	
107-240-008	111-014-012	128-091-001
107-240-027	111-014-013	128-091-005
107-240-028	111-014-014	128-091-006
107-240-029	111-014-014	128-091-007
111-011-001	111-015-001	128-094-012
111-011-002	111-015-002	128-094-014
111-011-003	111-015-003	128-094-016
111-011-004	111-015-004	128-094-042
111-011-005	111-015-005	128-094-047
111-011-006	111-015-006	
111-011-007	111-015-007	129-010-001
111-011-008	111-015-008	129-010-012
111-011-009		129-010-013
111-011-010		129-010-021
111-011-011		129-010-022
111-011-012		129-010-023
111-011-013		129-010-024

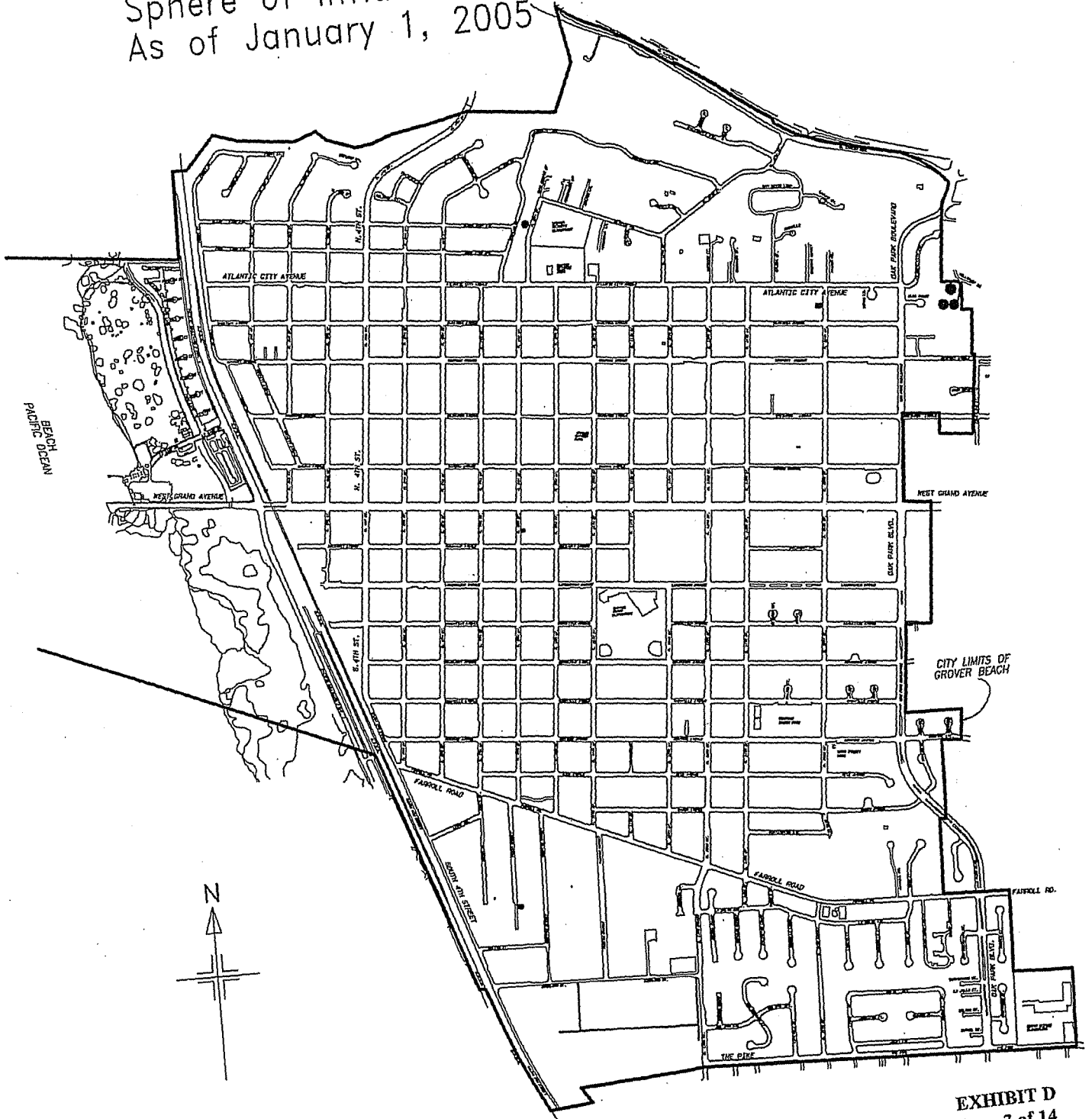
CITY OF SANTA MARIA
WASTE WATER
TREATMENT PLANT
SANTA MARIA CITY LEWIS

111-012-001	111-020-002
111-012-002	111-020-003
111-012-003	111-020-009
111-012-004	111-020-011
111-012-005	111-020-013
111-012-006	111-020-014
	111-020-016
111-013-001	
111-013-002	
111-013-003	111-030-003
111-013-004	111-030-015
111-013-005	111-030-016
111-013-006	111-030-018
111-013-007	111-030-023
111-013-008	111-030-024
111-013-009	111-030-025
111-013-010	111-030-026
111-013-011	
111-013-012	
111-013-013	111-130-001
111-013-014	

Figure 1 – Sphere of Influence
 City of Arroyo Grande



CITY OF GROVER BEACH
Sphere of Influence and City Boundary
As of January 1, 2005



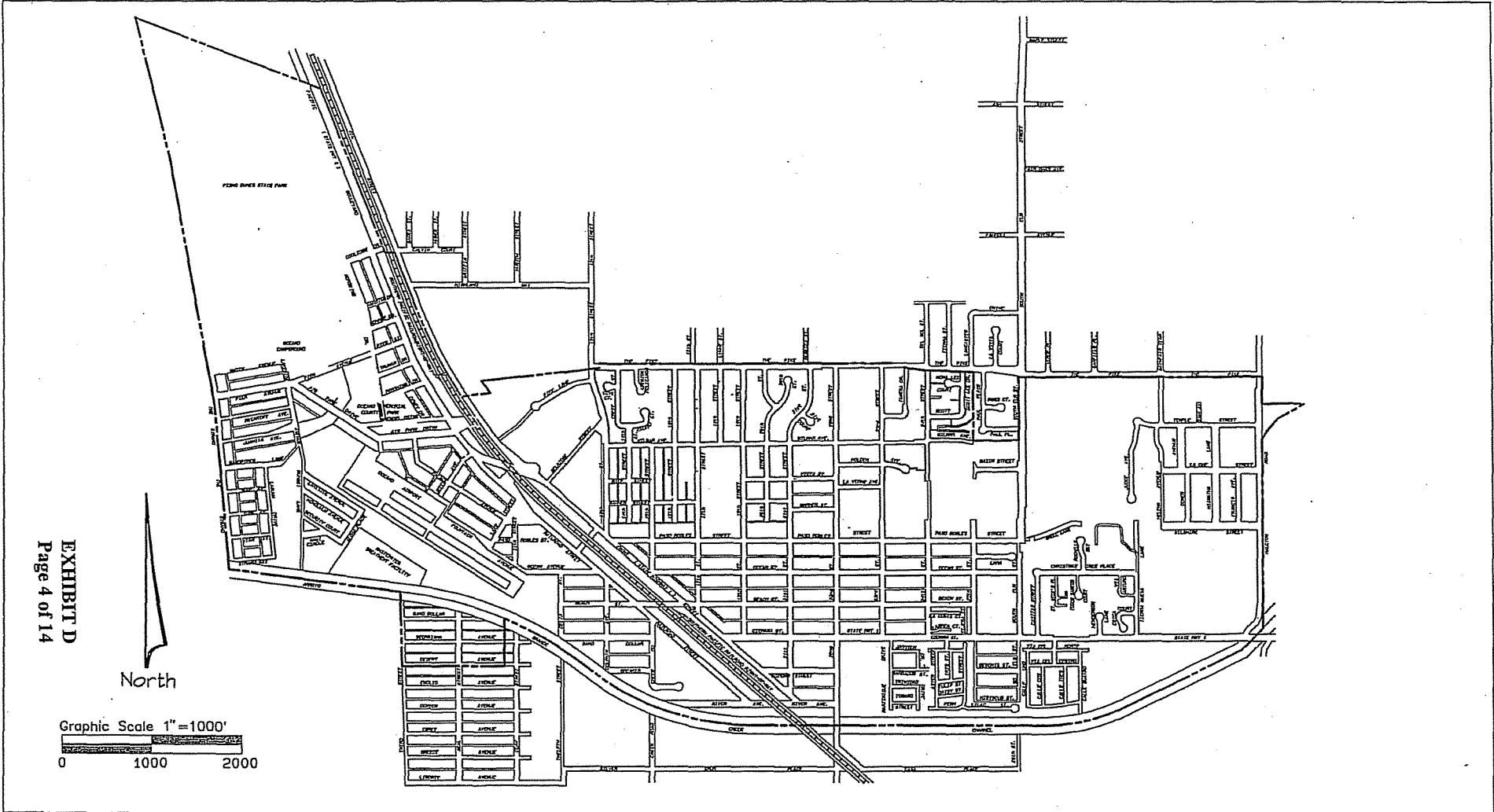


EXHIBIT D
Page 4 of 14

North

Graphic Scale 1"=1000'
0 1000 2000

Oceano Community
Services District
P.O. Box 544
1655 Front Street
Oceano, CA 93445-0544
tel (805)481-6130

Service Area and Sphere of Influence January 1, 2005
OCEANO COMMUNITY SERVICES DISTRICT



Civil Engineering
Surveying
Project Development
141 South Elm Street
Arroyo Grande, CA 93420
805/489-1321

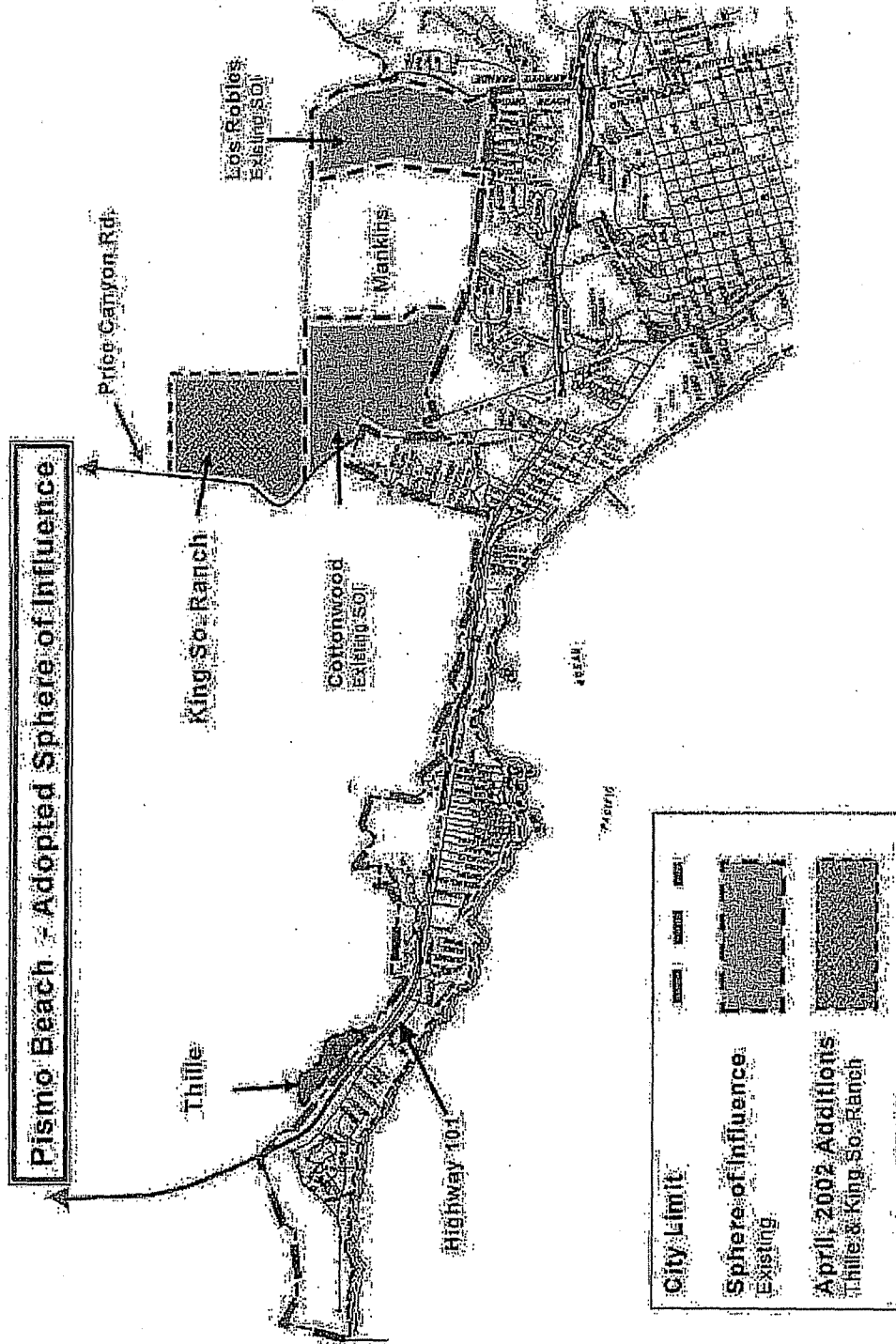
Scale: 1" = 1000'

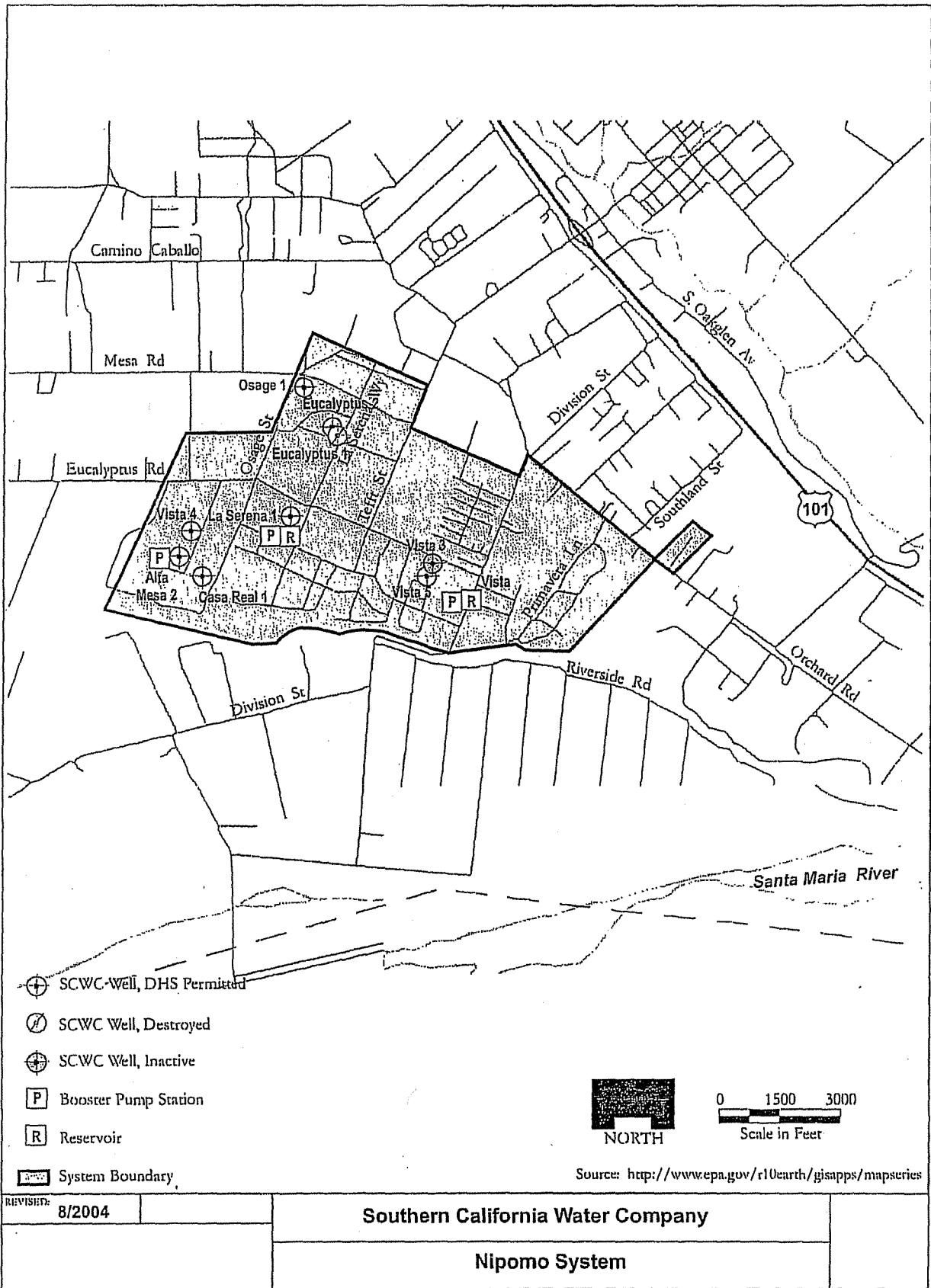
W.O. No. 0001-007

File Name
OCSD_Boundary_and_SOI
_01-01-2005.pro

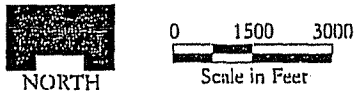
Plot date 6/20/2005

Figure 1 - Existing SOI and Proposed Additions





- ⊕ SCWC-Well, DHS Permitted
- ⊗ SCWC Well, Destroyed
- ⊕ SCWC Well, Inactive
- [P] Booster Pump Station
- [R] Reservoir
- [Shaded Area] System Boundary

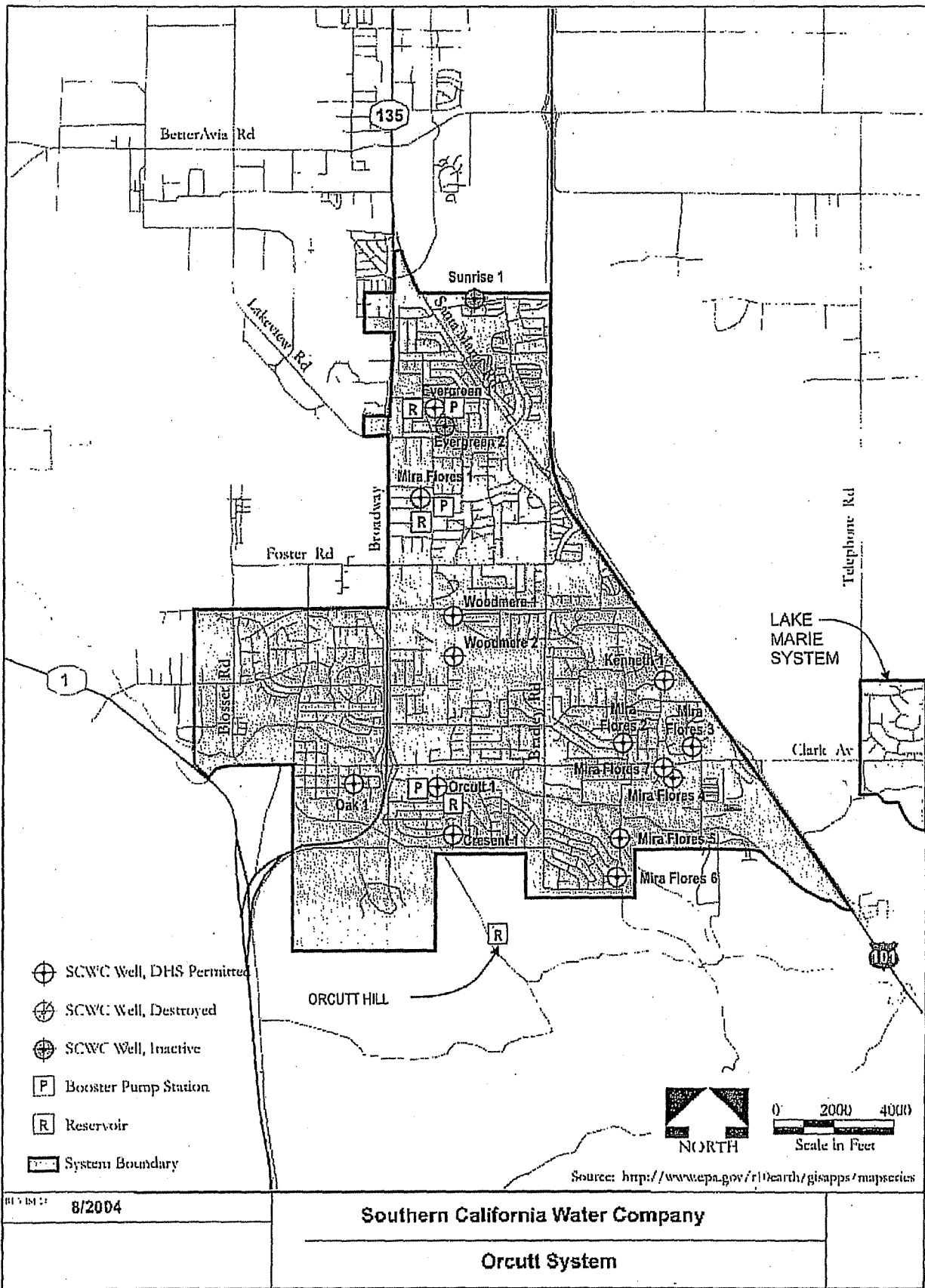


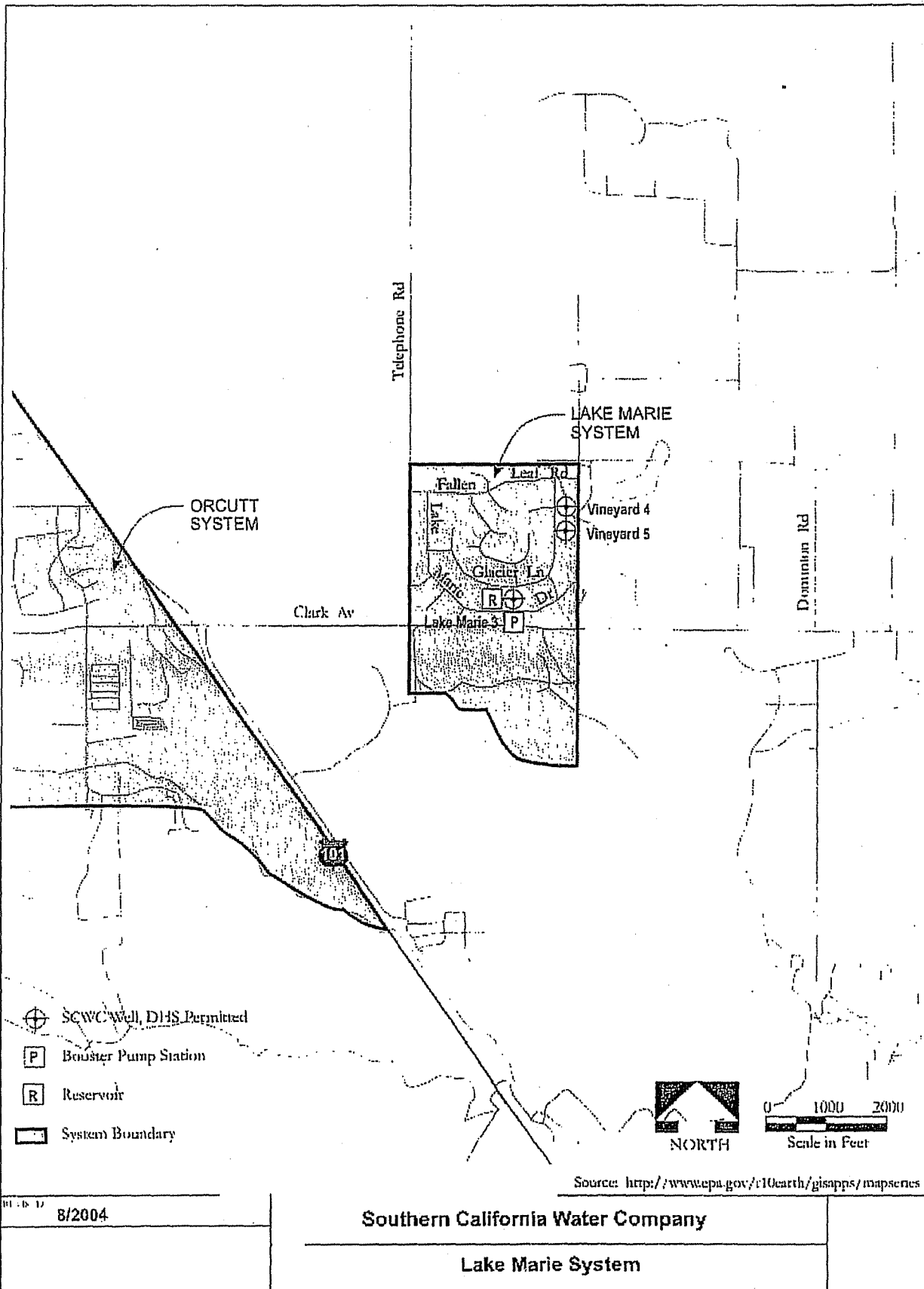
Source: <http://www.epa.gov/r10earth/gisapps/mapseries>

REVISED: 8/2004

Southern California Water Company

Nipomo System

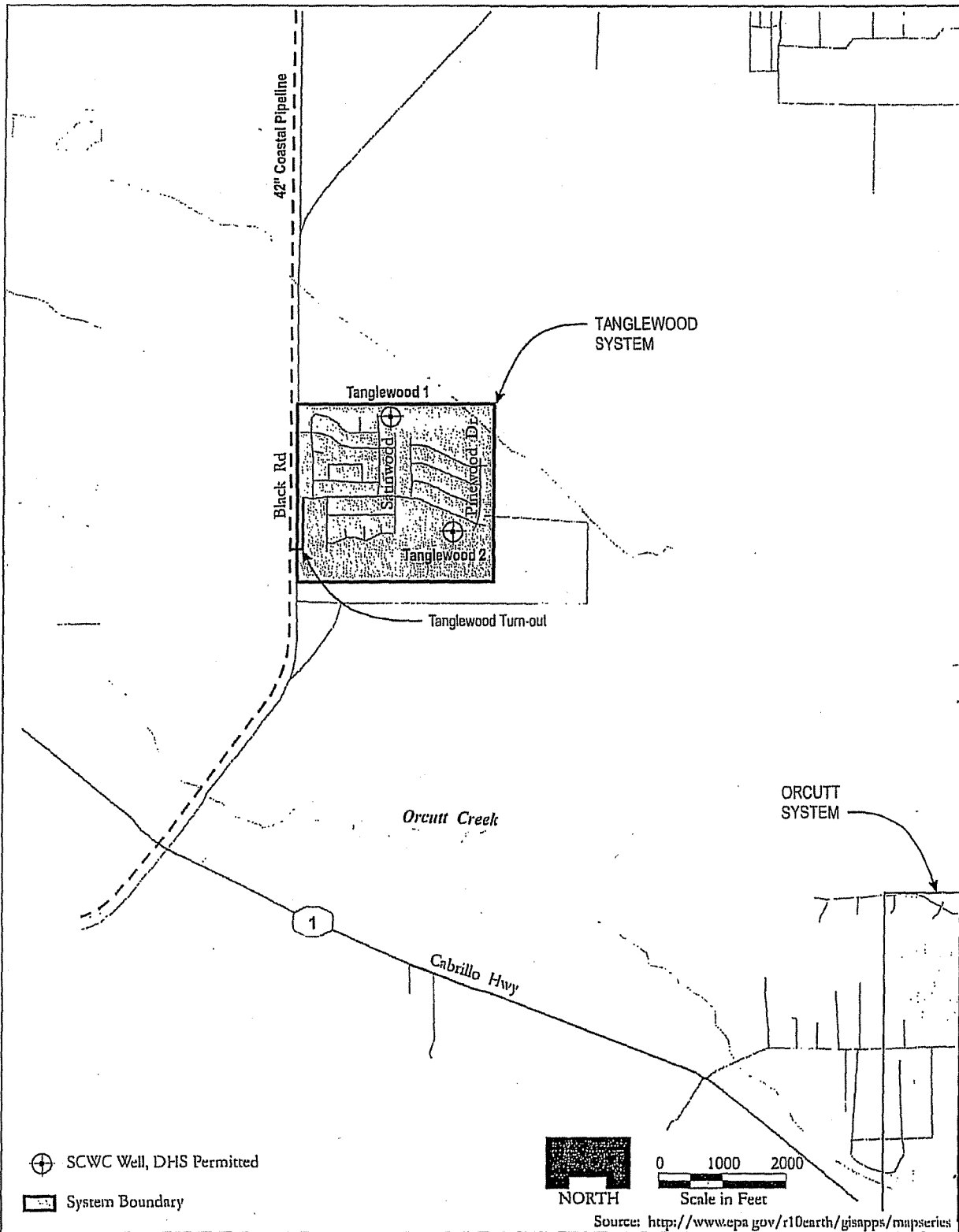




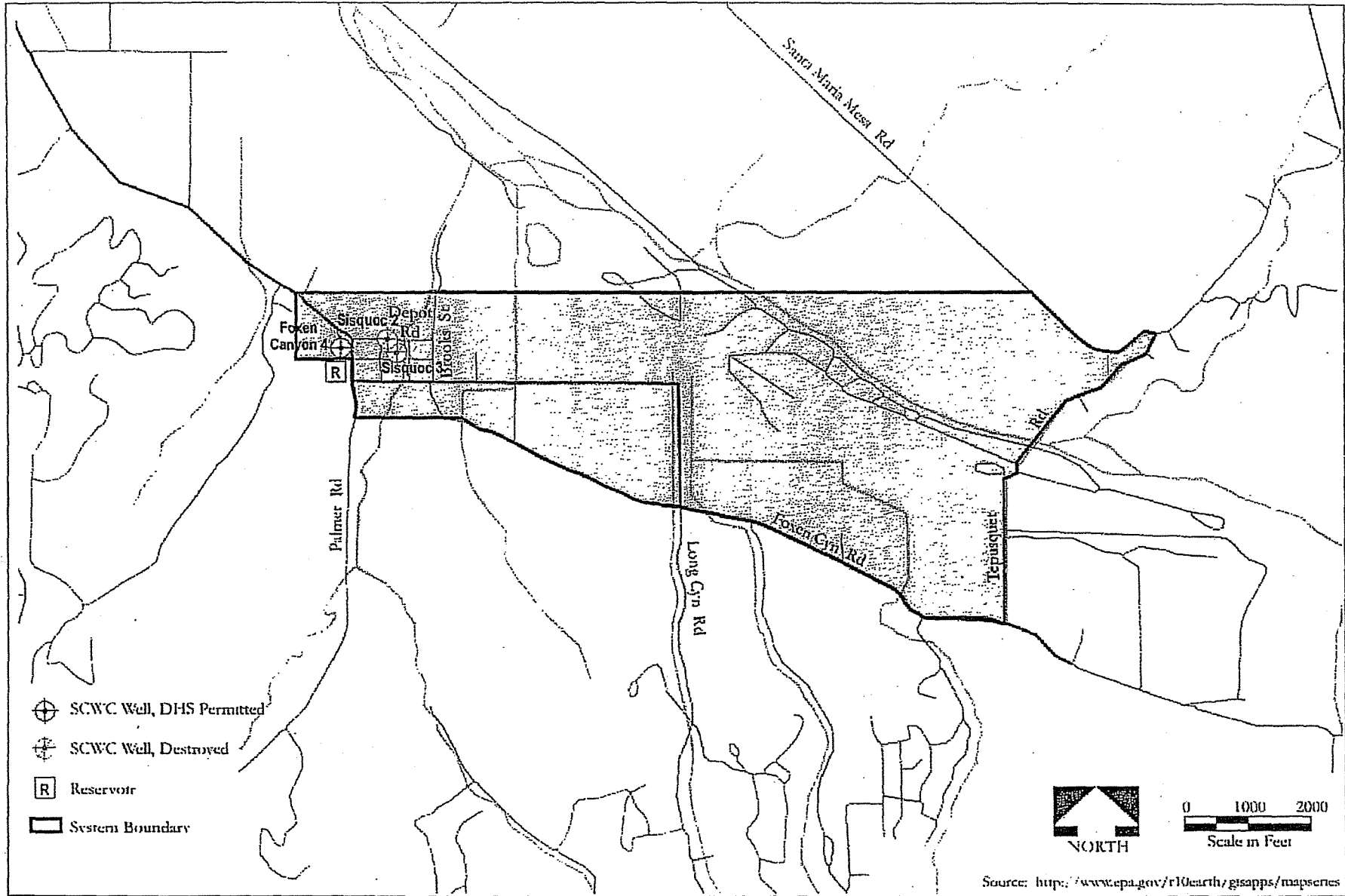
8/2004

Southern California Water Company

Lake Marie System

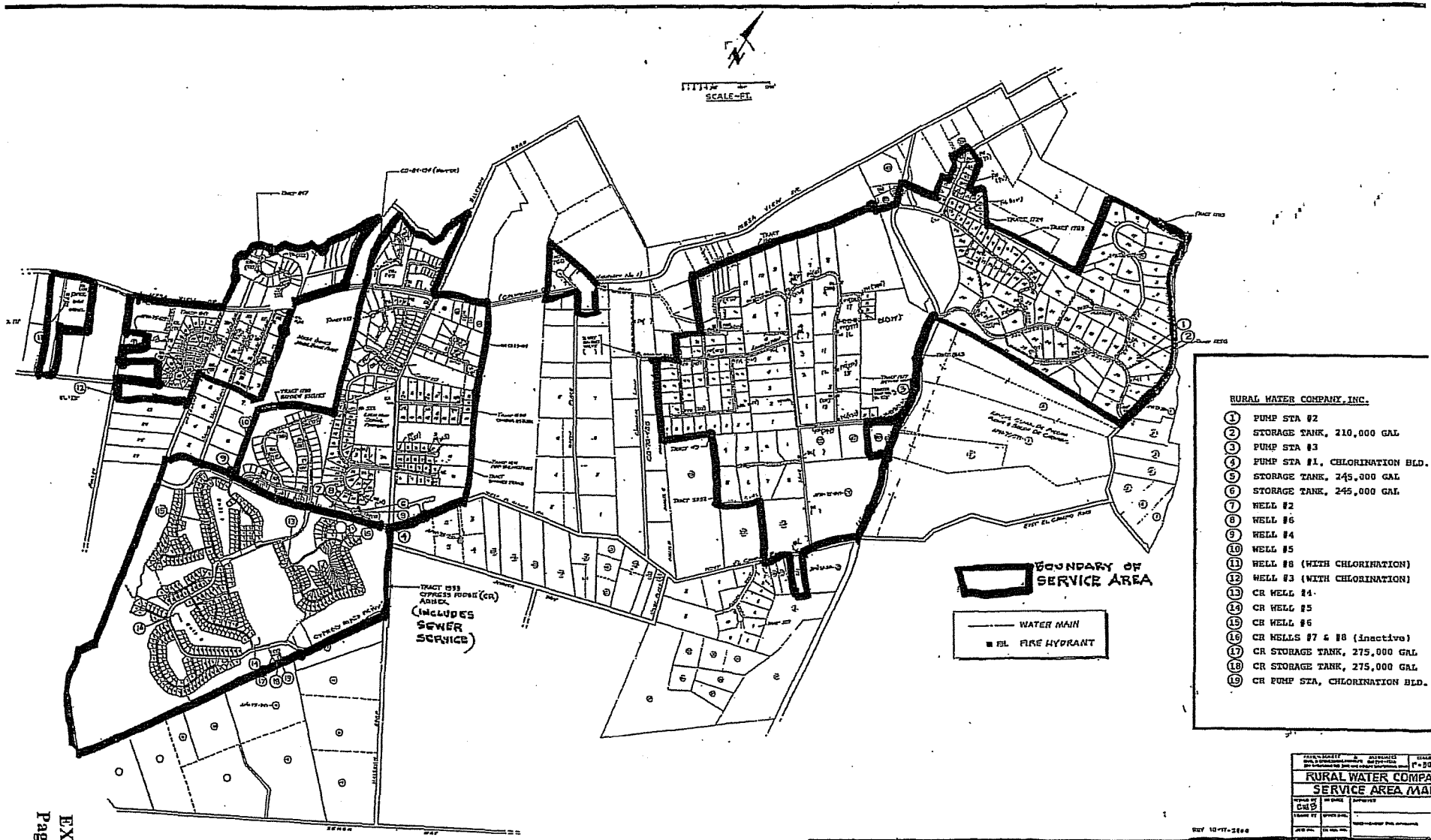


REVISED: 8/2004	Southern California Water Company	FIGURE
	Tanglewood System	



RC 17-12 8/2004


Southern California Water Company
Sisquoc System

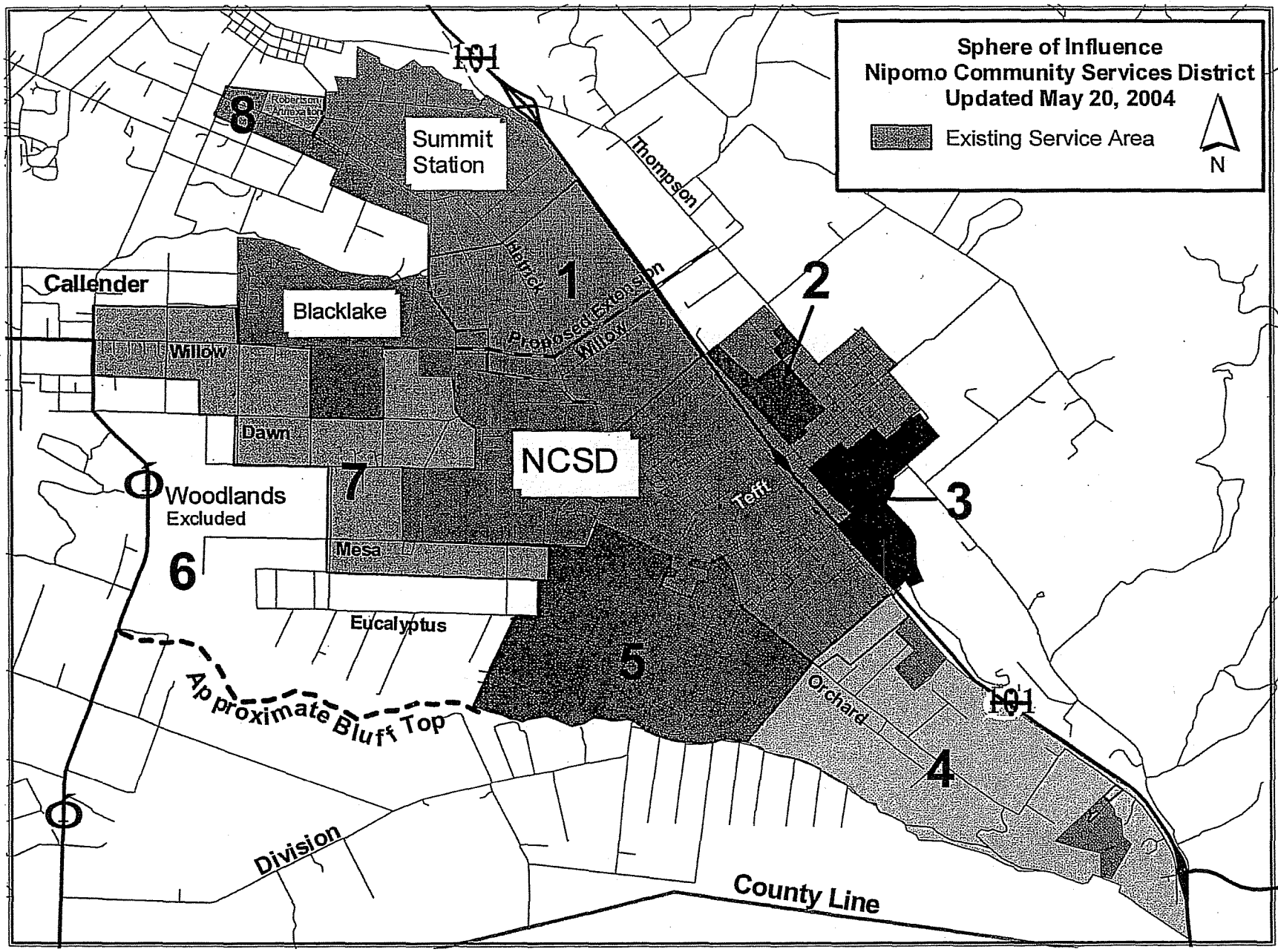


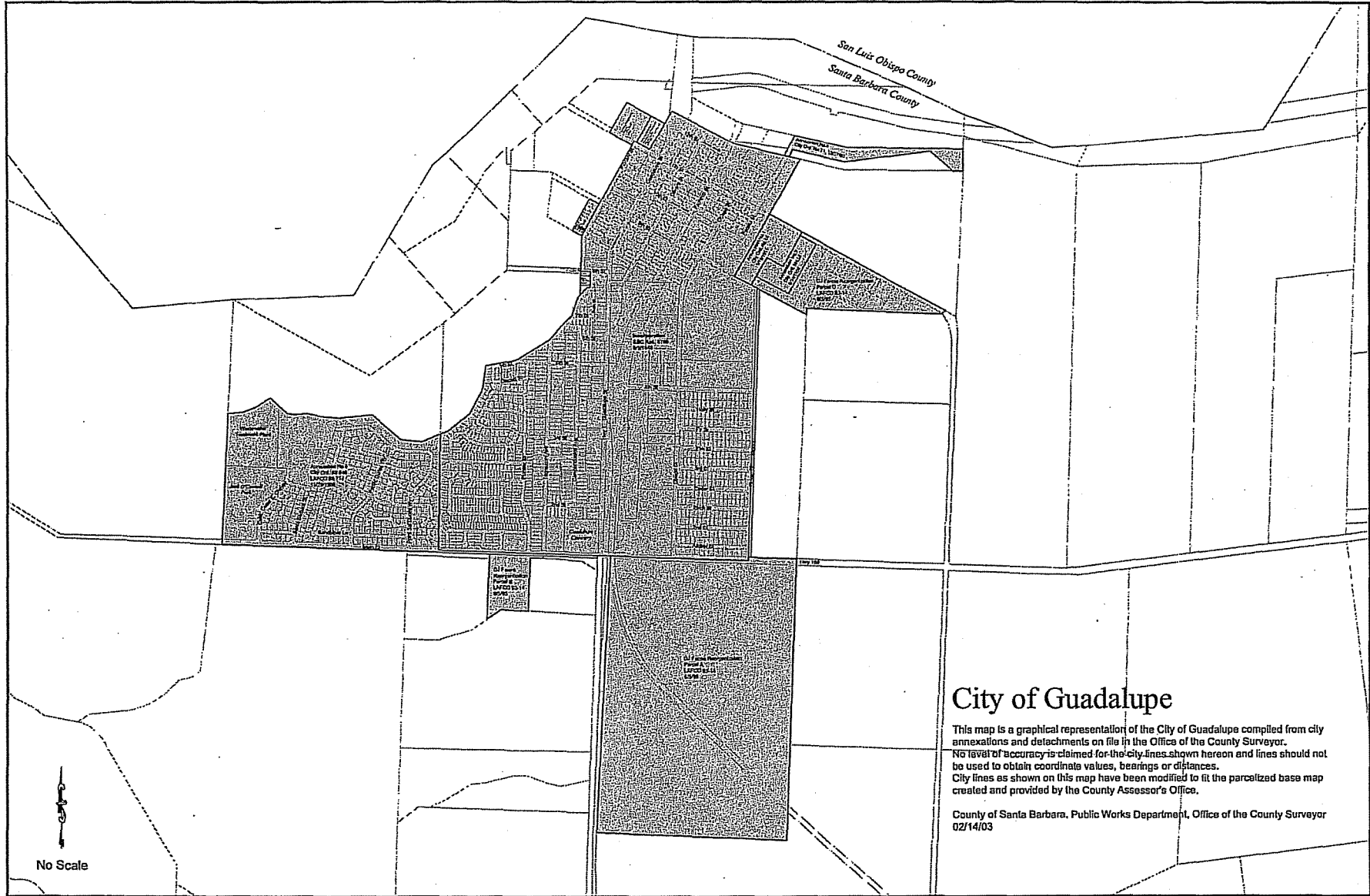
- RURAL WATER COMPANY, INC.**
- ① PUMP STA #2
 - ② STORAGE TANK, 210,000 GAL
 - ③ PUMP STA #3
 - ④ PUMP STA #1, CHLORINATION BLD.
 - ⑤ STORAGE TANK, 245,000 GAL
 - ⑥ STORAGE TANK, 245,000 GAL
 - ⑦ WELL #2
 - ⑧ WELL #6
 - ⑨ WELL #4
 - ⑩ WELL #5
 - ⑪ WELL #8 (WITH CHLORINATION)
 - ⑫ WELL #3 (WITH CHLORINATION)
 - ⑬ CR WELL #1.
 - ⑭ CR WELL #5
 - ⑮ CR WELL #6
 - ⑯ CR WELLS #7 & #8 (inactive)
 - ⑰ CR STORAGE TANK, 275,000 GAL
 - ⑱ CR STORAGE TANK, 275,000 GAL
 - ⑲ CR PUMP STA, CHLORINATION BLD.

RURAL WATER COMPANY, INC.	
RURAL WATER COMPANY SERVICE AREA MAI	
DATE: CH 5	SCALE: 1" = 100'
BY: [Signature]	CHECKED: [Signature]
DATE: [Date]	DATE: [Date]

**Sphere of Influence
Nipomo Community Services District
Updated May 20, 2004**

 Existing Service Area





City of Guadalupe

This map is a graphical representation of the City of Guadalupe compiled from city annexations and detachments on file in the Office of the County Surveyor. No level of accuracy is claimed for the city lines shown hereon and lines should not be used to obtain coordinate values, bearings or distances. City lines as shown on this map have been modified to fit the parcelized base map created and provided by the County Assessor's Office.

County of Santa Barbara, Public Works Department, Office of the County Surveyor
02/14/03

No Scale

Stipulation
Santa Maria Valley Water Conservation District v. City of Santa Maria

EXHIBIT D

List of Selected Excluded Parcels Nearby the Boundaries of New Urban Use Areas

103-070-004	128-099-001
107-300-007	128-100-001
107-300-008	128-100-003
107-300-012	128-100-020
128-056-024	128-100-021
128-094-018	128-100-022
128-094-019	128-100-027
128-094-020	128-100-028
128-094-021	128-100-029
128-094-023	128-100-030
128-094-024	128-100-031
128-094-029	128-101-010
128-094-031	128-101-012
128-095-001	129-100-008
128-095-002	129-110-020
128-095-003	129-120-001
128-095-004	129-120-023
128-095-006	129-151-029
128-095-008	129-151-031
128-096-001	129-151-032
128-096-002	129-151-033
128-096-003	129-180-010
128-096-004	129-180-011
128-096-006	129-210-017
128-096-009	
128-098-005	

EXHIBIT E

**2002 Settlement Agreement
between the Northern Cities and Northern Landowners**

Santa Maria Valley Water Conservation District v. City of Santa Maria
Santa Clara County Superior Court Case No. CV 770214

1 NOSSAMAN, GUTHNER, KNOX & ELLIOTT, LLP
Frederic A. Fudacz, State Bar No. 50546
2 Henry S. Weinstock, State Bar No. 89765
Alfred E. Smith, State Bar No. 186257
3 445 South Figueroa Street, 31st Floor
Los Angeles, California 90071
4 Telephone: (213) 612-7800
Facsimile: (213) 612-7801
5

6 Attorneys for Defendants City of Arroyo Grande,
City of Grover Beach, City of Pismo Beach,
Oceano Community Services District
7

8 SUPERIOR COURT OF THE STATE OF CALIFORNIA
9 FOR THE COUNTY OF SANTA CLARA
10

11 SANTA MARIA VALLEY WATER
CONSERVATION DISTRICT, a public
12 entity,

13 Plaintiff,

14 v.

15 CITY OF SANTA MARIA, et al.,

16 Defendants.
17

SANTA MARIA GROUNDWATER
LITIGATION, LEAD CASE No. CV 770214
(Consolidated with CV 784900, 784921,
784926, 785509, 785511, 785515, 785522,
785936, 786971, 787150, 787151, 787152,
990738, 990739)

SETTLEMENT AGREEMENT BETWEEN
NORTHERN CITIES, NORTHERN
LANDOWNERS, AND OTHER PARTIES

18 AND ALL RELATED ACTIONS.
19

20 PARTIES AND EFFECTIVE DATE

21 This Agreement is entered into among the Cities of Arroyo Grande, Pismo
22 Beach, Grover Beach and the Oceano Community Services District (collectively "Northern
23 Cities"), owners/lessors of land located in the Northern Cities Area ("Northern Landowners"),
24 and other parties who execute this Agreement. This Agreement is entered into as of April 30,
25 2002.

26 STIPULATIONS OF FACT

27 A. In 1997, the Santa Maria Valley Water Conservation District initiated this
28 action, Santa Clara Superior Court Case Number CV 770214, consolidated with Case

1 Numbers 784900, 784921, 784926, 785509, 785511, 785515, 785522, 785936, 786971,
2 787150, 787151, 787152, 990738, and 990739 (the "Action"), to adjudicate groundwater rights
3 in the Santa Maria Groundwater Basin;

4 B. Numerous parties have filed complaints and/or cross-complaints in the
5 Action with respect to rights to produce water in the Santa Maria Groundwater Basin;

6 C. By Order dated December 21, 2001, the Court determined the geographic
7 area constituting the Santa Maria Groundwater Basin ("Basin") and ruled that the Northern
8 Cities Area (identified on the map attached hereto as Exhibit A) is within the Basin;

9 D. Under current water supply and demand conditions, the groundwater
10 basin in the Northern Cities Area is in rough equilibrium, and groundwater pumping in the
11 Northern Cities Area does not negatively affect water supplies in the remainder of the Basin;

12 E. For more than 30 years, there have been separate funding, management
13 and usage of groundwater in the Northern Cities Area from groundwater in the Santa Maria
14 Valley. For example, the Northern Cities and Northern Landowners have paid and are paying
15 tens of millions of dollars for the construction and retrofit of the Lopez Reservoir, which
16 benefits the Northern Cities Area; whereas the Twitchell Reservoir has been paid for by parties
17 in the Santa Maria Valley who benefit from it.

18 F. The Northern Cities and Northern Landowners have agreed among
19 themselves and do hereby reaffirm their agreement to cooperatively share and manage
20 groundwater resources in the Northern Cities Area in accordance with a "Gentlemen's
21 Agreement" that was originally developed in 1983 and amended thereafter. Said Agreement
22 confers no rights on any third parties;

23 G. It is in the interest of all of the parties to this litigation that the parties settle
24 their claims and potential claims on the basis of the continued separate funding, management,
25 and usage of the waters conserved by the Lopez Reservoir in the Northern Cities Area and by
26 the Twitchell Reservoir in the remainder of the Basin, to preserve and protect water resources
27 in those separate management areas.

28 H. This Settlement Agreement is also intended to provide the parties with

1 advance notice of changes in the groundwater conditions in the Northern Cities Area and
2 Nipomo Mesa, as water supplies and demands may change with time. (The Nipomo Mesa is
3 southeast of the Zone 3 Line, and north of the Santa Maria River.); and

4 1. The parties to this Settlement Agreement have agreed to settle and
5 resolve their cross-claims and potential cross-claims on the conditions set forth below:

6 **NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS**

7 1. Separate Management Areas. Subject to the conditions set forth below,
8 water resources and water production facilities in the Northern Cities Area shall continue to be
9 independently managed by the Northern Cities, the San Luis Obispo County Flood Control and
10 Water Conservation District, and the Northern Landowners, with the intention of preserving the
11 long-term integrity of water supplies in the Northern Cities Area. For example, the Northern
12 Cities and Northern Landowners will not be responsible to pay for any of the costs of the
13 Twitchell Reservoir; and the parties outside of the Northern Cities Area (Zone 3) shall not be
14 responsible to pay any of the costs relating to the Lopez Reservoir.

15 2. Effects on Litigation. Except as provided below, the parties in the
16 Northern Cities Area, on the one hand, and the other parties hereto, on the other hand, agree
17 not to pursue or assert any claims against one another relating to water rights in the Santa
18 Maria Groundwater Basin. Each of the Northern Landowners who execute this Agreement will
19 be deemed to have been served by each of the water purveyor parties in this action who have
20 signed this Agreement with cross-complaints seeking declaratory and other relief in the form of
21 the cross-complaints previously filed by the City of Santa Maria; and each of the Northern
22 Landowners who execute this Agreement shall be deemed to have served and filed answers to
23 said cross-complaints denying all of their material allegations and asserting all available
24 affirmative defenses. The Northern Cities and Landowners shall continue to be subject to
25 reasonable discovery requests that are relevant to the remaining issues in the case.

26 3. Court Approval. This Settlement Agreement shall be submitted to the
27 Court for approval. If approved, this Settlement Agreement shall be included in and attached
28 as an exhibit to the final judgment in this Action, and the Northern Cities Area shall be treated

1 separately under the judgment in accordance with the provisions set forth herein. Paragraphs
2 4 and 7-20 of this Agreement shall take effect only upon Court approval of this Agreement.

3 4. Consent to Continuing Jurisdiction. Prior to this Agreement, there has
4 been no adjudication of the water rights of the Northern Cities, Northern Landowners, or any
5 other party, other than the determination of the boundaries of the Basin. Except ¶ 5 below,
6 nothing in this Agreement authorizes the Court to restrict or affect the right of any party to
7 pump, divert, use, or store groundwater or surface water without first according that party all of
8 its substantive, procedural, and due process rights under constitutional, statutory, and common
9 law requirements. Subject to the above and to the limitations of paragraphs 5-6 below, the
10 parties hereto agree that the Court reserves and retains full jurisdiction, power, and authority
11 over the Northern Cities Area, the Northern Cities, and the Northern Landowners, to enable the
12 Court, upon motion of any party, to make such further orders or directions (1) to interpret,
13 enforce, amend, or amplify any of the provisions of this Agreement; (2) to enforce, protect, or
14 preserve the rights of the respective parties, consistent with the rights herein decreed; or (3) to
15 issue such additional orders and/or injunctions to prevent injury to any party that might result
16 from any material adverse change in the availability or quality of the water supplies in the
17 Northern Cities Area, or the Nipomo Mesa Area, or any part of the Basin.

18 5. Reaffirmation of Gentlemen's Agreement. The Northern Cities and
19 Northern Landowners hereby reaffirm their Agreement to cooperatively share and manage
20 groundwater resources in the Northern Cities' Area in accordance with their AGREEMENT
21 REGARDING MANAGEMENT OF THE ARROYO GRANDE GROUNDWATER BASIN, aka
22 the "Gentlemen's Agreement." (A copy of the current version of this Agreement is attached
23 hereto as Exhibit B.) In particular, the Northern Cities and the Northern Landowners agree
24 with each other to continue to divide the safe yield of groundwater in the Northern Cities' Area,
25 including any increases or decreases of the safe yield, in accordance with ¶ 1 of Exhibit B
26 hereto. Said water-sharing Agreement and this paragraph 5 shall only be binding on and
27 enforceable by the Northern Cities and Northern Landowners.

28 6. No Effect on Water Rights. Except as provided in ¶ 5 above, nothing in

1 this Agreement shall be construed to create, eliminate, increase, or reduce any substantive
2 right of any party to pump, divert, use, or store groundwater or surface water; and nothing in
3 this Agreement shall be construed to prove or disprove, directly or indirectly, any element of
4 prescriptive rights to groundwater.

5 **TECHNICAL OVERSIGHT COMMITTEE**

6 7. Formation. A Technical Oversight Committee (TOC) shall be established
7 to carry out the ongoing monitoring and analysis program ("MAP," see below).

8 8. Composition. The TOC shall be comprised of two voting representatives
9 of the Northern Cities and two voting representatives of parties providing public water service
10 on the Nipomo Mesa ("Mesa Parties," which include the Nipomo Community Services District,
11 Rural Water Company and Southern California Water Company, and their successors or
12 assigns). At least one of the two representatives from the Northern Cities and the Mesa
13 Parties shall be technically qualified to carry out the MAP duties described below. The other
14 TOC representatives may be technical, policy, managerial, or legal in nature. The voting
15 representatives shall attempt to operate by consensus. However, if consensus cannot be
16 achieved, TOC decisions may be made by majority vote of the voting representatives.

17 9. Responsibility. The TOC shall implement and carry out the MAP.

18 10. Meetings. The TOC shall meet at least semi-annually for the first five (5)
19 years of implementing the MAP, and at least annually thereafter.

20 11. Procedures of the TOC. The TOC shall establish procedures for the
21 fulfillment of its responsibilities under this Agreement.

22 **MONITORING AND ANALYSIS PROGRAM**

23 12. Purpose and Legal Effect. A monitoring and analysis program (MAP) shall
24 be established to provide ongoing data collection and analysis of water supplies and demands
25 in the Northern Cities Area and the Nipomo Mesa. The purpose of the MAP is to regularly
26 assess the potential impact on the water supplies on either side of the Zone 3 boundary line
27 resulting from changing conditions regarding the water supplies and demands in the Northern
28 Cities Area and the Nipomo Mesa, and the resulting changes in the surface and groundwater

1 flow conditions adjacent to and across the Zone 3 boundary line.

2 13. The Water Management Plans and the Annual Reports (collectively
3 "Plans") prepared pursuant to this Agreement are for information purposes only. They shall
4 not independently create in the party(ies) preparing them any affirmative obligation to act, or
5 implement any part of the Plans, nor shall they independently provide any other party or the
6 Court any right to compel Action or enforce any obligation. However, any party may challenge
7 the sufficiency of any Plan produced pursuant to this Agreement by showing that it has not
8 been completed in substantial compliance with the requirements of this Agreement, except that
9 any challenge to a Water Management Plan created pursuant to Paragraph 15 below may only
10 be undertaken in a proceeding and under the standards set forth under Water Code sections
11 10650, *et seq.*

12 14. The Parties shall be excused from the preparation of the Plans required in
13 this Agreement when the Court enters a final judgment in this litigation.

14 15. Water Supply Planning and Reports. Within two years after Court
15 approval of this Settlement, each of the Northern Cities and the Mesa Parties shall evaluate
16 their current and future water supplies and prepare a Water Management Plan. The Water
17 Management Plan shall generally include the content and analysis described in Water Code
18 sections 10630 through 10635, and shall also include an analysis of the ongoing availability of
19 groundwater in the Northern Cities Area given the changing urban and agricultural water
20 demands in the Northern Cities Area. Each of the Northern Cities and the Mesa Parties shall
21 update and revise their previously prepared Water Management Plans prior to December 31,
22 2006, and every five years thereafter; provided however, that this requirement to prepare a
23 Water Management Plan is not intended to expand or impose upon any party rights or
24 obligations with respect to such Water Management Plans, other than those specifically stated
25 in this Section. Copies of the Water Management Plans shall be provided to the Northern
26 Cities, the Mesa Parties, the Santa Maria Valley Water Conservation District and the City of
27 Santa Maria.

28 16. Monitoring and Data Collection. The TOC shall implement a MAP that

1 shall include the data collection and analysis elements described below, and any other
2 monitoring and analysis, if the TOC deems them appropriate and cost-effective to fulfill the
3 purpose of this Agreement. The data collection and database development shall be created so
4 that the data can be shared and transferred between the TOC members for review and
5 evaluation in electronic format. The MAP shall include the following elements.

6 a. Design. Within six months after Court approval of this Agreement,
7 the TOC shall review existing data to select existing wells to include in the MAP. The TOC
8 shall define the list of wells to be monitored and specific information to be obtained from each
9 well, such as groundwater levels and groundwater quality constituents. The MAP shall also
10 include data collection to provide for early detection of seawater intrusion and collection of
11 other related data (e.g., deliveries of supplemental water, precipitation, discharge of treated
12 waste water, etc.) as are necessary for preparation of the analyses and reports required by this
13 Agreement. To the extent practical to adequately meet the purpose of this Agreement, the
14 TOC shall use existing facilities, rather than new facilities, in the design of the MAP.

15 b. Data Collection. As soon as the design of the MAP is complete, the
16 TOC shall commence collection of groundwater monitoring data, with data collection to occur
17 at intervals determined by the TOC.

18 c. Changing Groundwater Use Patterns. The TOC may also monitor
19 the groundwater pumping patterns in the Northern Cities Area and the Nipomo Mesa. The
20 monitoring shall be based on either observed changes (municipal pumping) or estimated
21 changes (private or agricultural pumping). The TOC may review the changes in pumping to
22 assess the potential impacts on groundwater flow conditions along the Zone 3 boundary line
23 and include its findings in the Annual Report, described below.

24 d. MAP Assessment. Within two years of Court approval of this
25 Agreement, and annually thereafter, the TOC shall evaluate data from the monitoring program,
26 assess data gaps, and make recommendations to revise the monitoring program, including the
27 use of other wells or installation of new monitoring wells, as appropriate. The TOC may
28 recommend to the Northern Cities and the Mesa Parties or to the Court any additional

1 monitoring of hydrologic characteristics that may be prudent and cost-effective to meet the
2 goals of this Agreement, to provide a higher level of confidence in the data and analyses than
3 that which is based on existing wells, stream gages, etc.

4 17. Annual Report. Based upon the MAP and other relevant information, the
5 TOC shall annually prepare a Report on Water Supply and Groundwater Conditions (Annual
6 Report) for the Northern Cities Area and Nipomo Mesa. The Annual Report shall be filed with
7 the Court, posted on the Court's website, and served on the Northern Cities, the Mesa Parties,
8 the Santa Maria Valley Water Conservation District, and the City of Santa Maria. The first
9 Annual Report shall be completed, filed and served, as described in the previous sentence, on
10 or before the second (2nd) anniversary of this Court's approval of this Agreement, and
11 annually thereafter. The Annual Report shall assess the adequacy of the water supplies in
12 each area in comparison to the corresponding demands, and shall include an analysis and
13 discussion of the estimates of the volume of groundwater in storage, an updated water budget
14 assessment, and anticipated water supply constraints, if any.

15 18. Cost Sharing. Unless otherwise agreed, each of the Northern Cities and
16 the Mesa Parties shall bear their own costs in participating in the TOC, gathering and
17 analyzing data, and producing any written documents as may be required by this Agreement.
18 To the extent the construction of new facilities may be required to implement this Agreement,
19 the Northern Cities and the Mesa Parties shall develop an equitable cost sharing agreement.
20 The parties will use their best efforts to minimize the costs of compliance in undertaking the
21 obligations of this Agreement.

22 19. Cooperation of all Parties. All parties to this litigation and this Agreement
23 shall provide any documents, information, access to wells, and well data, and take any other
24 actions reasonably requested to implement the MAP, subject to prior protective orders and
25 reasonable confidentiality restrictions.

26 **ADVANCE NOTICE OF INCREASED WATER PRODUCTION**

27 20. The Mesa Parties, the Northern Cities, and the Northern Landowners shall
28 provide prior written notice to each other of their intent to drill new wells, materially increase

1 the production capacity of existing wells or take over the use of an existing well, if the well is to
2 be used for water production (not monitoring). The notice must be served prior to or
3 concurrent with the initiation of environmental review under the California Environmental
4 Quality Act (CEQA), if required, or at least ninety (90) days prior to the construction of a new
5 well or the takeover or increase in capacity of an existing well. This ninety (90) day notice
6 requirement shall not apply in the event of emergencies, such as replacement of a collapsed
7 well, in which case notice will be provided as promptly as possible. The notice should provide
8 a description of the location, intended capacity and use of the well.

9 GENERAL PROVISIONS

10 21. No Third Party Beneficiary. Nothing in this Agreement, whether express
11 or implied, shall confer any rights or remedies under this Agreement on any persons other than
12 the Parties to it and their respective successors and assigns. Nothing in this Agreement shall
13 relieve or discharge the obligation or liability of any third parties to any Party to this Agreement.

14 22. Legal Capacity. The Parties warrant that all necessary approvals and
15 authorizations have been obtained to bind them to all terms of this Agreement, and further
16 warrant that the persons signing have authority to sign on behalf of their respective Parties.

17 23. Amendment. No amendment to this Agreement will be binding unless it
18 is either signed by an authorized representative of all of the Parties or approved by the Court.

19 24. Governing Law. This Agreement will be construed in accordance with,
20 and governed by, the laws of the State of California as applied to contracts that are executed
21 and performed entirely in California.

22 25. Severability. If any provision of this Agreement is held invalid or
23 unenforceable by any court, it is the intent of the Parties that all other provisions of this
24 Agreement be construed so as to remain fully valid, enforceable, and binding on the Parties.

25 26. Counterparts. This Agreement may be executed in one or more
26 counterparts, each of which will be considered an original, but all of which together will
27 constitute one and the same instrument. Any party that is currently a party to this Action and
28 any Northern Landowner may become a party to this Agreement by agreeing in writing to be

1 bound by its terms at any time prior to the entry of judgment in this Action. Future signatories
2 to this Agreement shall sign the signature pages attached hereto as Exhibits C (for Northern
3 Landowners) or D (for other parties to this litigation) to confirm their acceptance of its terms.

4 27. Merger Clause. This Agreement supersedes and replaces all prior
5 settlement negotiations and agreements, written or oral. It is the complete, final, and exclusive
6 statement of the parties' agreement. The parties hereto acknowledge that no party, agent or
7 attorney of any party has made any promise, representation or warranty whatsoever, express
8 or implied, not contained herein, to induce them to execute this Agreement. Each party has
9 executed this Agreement in reliance on the advice of his/her or its own attorney.

10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

Dated: April __, 2002 CITY OF ARROYO GRANDE
By: Signature Page Filed with Court
Title: _____

Dated: April __, 2002 CITY OF GROVER BEACH
By: Signature Page Filed with Court
Title: _____

Dated: April __, 2002 CITY OF PISMO BEACH
By: Signature Page Filed with Court
Title: _____

Dated: April __, 2002 OCEANO COMMUNITY SERVICES DISTRICT
By: Signature Page Filed with Court
Title: _____



**AGREEMENT REGARDING
MANAGEMENT OF THE
ARROYO GRANDE GROUNDWATER BASIN**

A. Parties

This Agreement is entered into among the Cities of Arroyo Grande, Pismo Beach, Grover Beach and the Oceano Community Services District (collectively referred to hereinafter as "Parties" or "Urban Parties").

B. Recitals

WHEREAS, in January 1983, a Technical Advisory Committee consisting of representatives of Arroyo Grande, Grover City, Pismo Beach, Oceano Community Services District, Port San Luis Harbor District, the Farm Bureau, Avila Beach County Water District and the County of San Luis Obispo ("Committee") determined in reliance on the 1979 Report of the Department of Water Resources entitled Ground Water in the Arroyo Grande Area that the safe yield of the Arroyo Grande Groundwater Basin ("Basin") is 9,500 acre feet per year;

WHEREAS, in or about February 1983, the Parties agreed to enter into a voluntary groundwater management plan to provide for effective management of groundwater resources in the Basin through which each party was given sufficient water to meet its needs as then projected; such needs being met in part by the City of Arroyo Grande foregoing 358 acre feet per year of its historical use and the City of Pismo Beach foregoing 20 acre feet per year of its historical use;

WHEREAS, this management plan provided a reasonable division of the safe yield of the Basin without court imposed groundwater basin adjudication;

WHEREAS, on February 9, 1983, the terms of the management plan were incorporated into Resolution No. 83-1 of the South San Luis Obispo County Water Association Approving the Recommendations of the Committee relating to the Basin (the "Resolution");

WHEREAS, each of the Parties have adopted individual resolutions endorsing the provisions of the Resolution;

WHEREAS, the Parties have generally complied with the terms and conditions of the Resolution; and

WHEREAS, general compliance with the Resolution has proven to be a fair and efficient means of managing and protecting groundwater resources in the Basin as confirmed by the revised final draft report prepared by the Department of Water Resources entitled, Water Resources of Arroyo Grande and Nipomo Mesa, January 2000.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. Division of Safe Yield.

a. The Parties agree to a division of the safe yield of the Basin as follows:

Applied Irrigation 5,300 acre feet

Subsurface flow to ocean 200 acre feet

Urban Use:

City of Arroyo Grande 1,202 acre feet

City of Grover Beach 1,198 acre feet

City of Pismo Beach 700 acre feet

Oceano Community Services District 900 acre feet

b. Any increase or decrease in the safe yield of the Basin attributable to changed operation of the Lopez Reservoir, or any other cause, shall first be divided between the Urban Parties and applied irrigation on a pro rata basis using the formula from the 1983 Gentlemen's Agreement, fifty-seven percent (57%) to applied irrigation and forty-three percent (43%) to the Urban Parties. Thereafter, the first 378 acre feet per year of any increase of safe yield allocated to the Urban Parties shall be divided between the City of Arroyo Grande and the City of Pismo Beach on a pro rata basis (95% to Arroyo Grande and 5% to Pismo Beach).

c. The entitlements of each respective Urban Party may be increased based upon the conversion of irrigated agricultural lands to urban use. An Urban Party to this Agreement may increase its entitlement for urban use by a factor of three (3) acre feet per acre per year minus the calculated urban usage per acre per year upon the conversion of irrigated agricultural land to urban usage. "Irrigated agricultural land" shall be that land within the corporate limits of the party that was identified as irrigated agricultural land in the 1979 Department of Water Resources Report entitled Ground Water in the Arroyo Grande Area. This agricultural conversion factor may be applied to all acreage converted to urban use from January 1, 1983, throughout the life of this Agreement. Such an agricultural conversion factor is in the best interests of the overall Basin in that it will not result in any decline in the groundwater service over time. The Parties agree that no water should be converted to urban use within the Basin without establishing that it was irrigated agricultural land as defined in the 1979 Department of Water Resources Report, Groundwater in the Arroyo Grande Area.

d. The Parties agree and understand that the safe yield figures utilized in this Agreement are a product of the 1979 Department of Water Resources Report regarding the Arroyo Grande Basin as adjusted by the 1983 ad hoc Technical Advisory Committee and that the division of the resources is based upon the historical use of each party and a practical accommodation of each Party's needs as they existed at the time of the adoption of the 1983

agreement. It is agreed that the Parties will meet and confer on issues related to safe yield and division of existing water resources upon the final adoption of the new Arroyo Grande Basin study performed by the Department of Water Resources, which is currently in draft.

2. Shared Information and Monitoring: The Urban Parties to this Agreement shall freely share information with each other regarding each of their respective uses of groundwater in the Basin, including all pumping data such as amounts of water extracted, well static water levels, and water quality. The Urban Parties to this Agreement shall meet on a quarterly basis to share this information and to discuss water usage and impacts upon the Basin. The Parties shall conduct a review of water usage and the impacts on Basin hydrology in 2010 and 2020.

3. Term:

a. This Agreement shall bind the Parties indefinitely absent a significant change of circumstances as to available water, water quality, or hydrogeology of the Arroyo Grande Basin. A significant change of circumstances shall allow any Party to opt out of this Agreement if the significant change of circumstances put that Party at risk of not being able to meet its potable water needs.

b. Significant changed circumstances shall include changes within the Basin or outside of the Basin, including but not restricted to, a change in the Lopez Reservoir safe yield or an increase in Lopez Reservoir discharges for conservation purposes that threatens the ability of the Urban Parties to obtain their contractual allotments under their Lopez agreements, or a significant change in groundwater yields or quality, or a reduction in foreign water imported by any Urban Party. The Parties recognize that rainfall within the watershed is the most significant factor affecting the yield of Lopez Reservoir and the Basin.

c. The Parties shall revisit the issue of the allocation of groundwater resources within the Arroyo Grande Basin in 2010 and 2020 in the context of the review provided for in section 2 of this Agreement. The Parties shall make new allocations of groundwater resources at that time if circumstances justify it and if no harm will result to other groundwater users. Priority shall be given to reallocation of historical use of groundwater to Arroyo Grande and Pismo Beach that those agencies chose not to pursue in the entering into of the original Gentlemen's Agreement in 1983 should such new allocations be made.

d. A Party may opt out of this Agreement if significant changed circumstances arise as defined in this section. Such a party shall give all other parties to the agreement not less than six months written notice of its intention to opt out. The written notice shall describe in detail the significant changed circumstances upon which the Party bases its election to opt out of the Agreement.

4. Mediation Agreement: The Parties agree to mediate any disputes that arise out of the Parties' performance under this Agreement, or the interpretation of the terms of this Agreement, prior to instituting any litigation against or between any other Party to this Agreement. Should a Party institute litigation without first offering in good faith to mediate any such dispute, any Party may move for an order compelling mediation and staying the proceedings in the litigation until

after mediation has been completed. The prevailing party on a motion to compel mediation shall be entitled to recover its attorney's fees against any resisting party or any party who filed litigation without first making a good faith attempt to mediate the dispute. This mediation requirement shall not apply where the health and safety of any of the Parties, or any of the Parties' residents, is threatened and they must seek, and have obtained, preliminary relief for the purposes of preserving health and safety.

5. No Third Party Beneficiaries: The Parties are entering into this Agreement in order to reasonably allocate existing groundwater resources between themselves and not to benefit any third parties. This agreement shall only be enforceable between the Parties themselves. This Agreement does not create any right enforceable by any person or entity that is not a party to this Agreement.

6. General Provisions:

a. The Parties warrant that all necessary approvals and authorizations have been obtained to bind them to all terms of this Agreement, and further warrant that the persons signing have authority to sign on behalf of their respective Parties.

b. Written notice under this Agreement shall be given by placing such notice in the first class mail, postage prepaid, or by hand delivery to the current address of the office of any Party to this Agreement.

c. No amendment to this Agreement will be binding on any of the Parties unless it is in writing and signed by an authorized representative of all of the Parties.

d. This Agreement will be construed in accordance with, and governed by, the laws of the State of California as applied to contracts that are executed and performed entirely in California.

e. If any provision of this Agreement is held invalid or unenforceable by any final judgment, it is the intent of the Parties that all other provisions of this Agreement be construed to remain fully valid, enforceable, and binding on the Parties.

f. This Agreement may be executed simultaneously in one or more counterparts, each of which will be considered an original, but all of which together will constitute one and the same instrument.

g. The Parties represent that prior to the execution of this Agreement, they consulted independent legal counsel of their own selection regarding the substance of this Agreement.

WHEREFORE, the Parties publicly consent to the terms and conditions of this Agreement by executing the same as set forth below.

Dated: _____, 2001. City of Arroyo Grande

By: _____

Print Name and Title: _____

Dated: _____, 2001. City of Pismo Beach

By: _____

Print Name and Title: _____

Dated: _____, 2001. City of Grover Beach

By: _____

Richard W. Neufeld, Mayor

Dated: _____, 2001. Oceano Community Services District

By: _____

Print Name and Title: _____

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

**EXHIBIT C – NORTHERN LANDOWNER SIGNATURE PAGE FOR
SETTLEMENT AGREEMENT**

1. I am the owner and/or lessor (*circle one or both*) of at least ten acres of agricultural land in the Northern Cities Area (the area so designated on Exhibit A to this Settlement Agreement).

2. Describe the parcel(s) of agricultural land that you own or lease:

- (a) Address(es): _____
- (b) Assessor's Parcel Number(s): _____
- (c) Number of acres of agricultural land that you own or lease: _____
- (d) Approximate number of acre-feet of water pumped annually: _____.

3. I have read this Settlement Agreement. I have obtained such legal advice or other counsel regarding its terms as I deem appropriate. I understand and agree to its terms.

Dated: _____, 2002

Print Name of Owner/Lessor: _____

Title of Signer: _____

Signature: _____ *Signature Page Filed with Court*

1 **EXHIBIT D – SIGNATURE PAGE FOR OTHER PARTIES – WATER PURVEYORS**
2 **AND LANDOWNERS OUTSIDE NORTHERN CITIES AREA**

3 1. I am a party to the Santa Maria Groundwater Litigation, or the legal
4 representative of such a party.

5 2. I have read this Settlement Agreement. I have obtained such legal advice
6 or other counsel regarding its terms as I deem appropriate. I understand and agree to its
7 terms.
8

9
10 Dated: _____, 2002

11
12 Print Name of Party(ies): _____
13

14 Title of Signer: _____
15

16 Signature: _____ *Signature Page Filed with Court*
17
18
19
20
21
22
23
24
25
26
27
28

EXHIBIT F

**Agreement Among City of Santa Maria, Southern California
Water Company and City of Guadalupe
Regarding the Twitchell Project and the TMA**

Santa Maria Valley Water Conservation District v. City of Santa Maria
Santa Clara County Superior Court Case No. CV 770214

**SANTA MARIA VALLEY PUBLIC WATER PURVEYOR WATER MANAGEMENT
AGREEMENT**

The CITY OF SANTA MARIA ("Santa Maria"), the CITY OF GUADALUPE ("Guadalupe"), and SOUTHERN CALIFORNIA WATER COMPANY ("SCWC") enter into this SANTA MARIA VALLEY PUBLIC WATER PURVEYOR WATER MANAGEMENT AGREEMENT ("Agreement") on this ___ day of _____. Santa Maria, Guadalupe and SCWC are referred to individually as a "Party" and collectively as the "Parties".

RECITALS

A. Santa Maria is a Charter City, providing potable water service to customers within and adjacent to its municipal boundaries.

B. Guadalupe is a general law city, providing potable water service to customers.

C. SCWC is an investor-owned public utility within the meaning of Public Utilities Code section 2400 *et seq.* and operates pursuant to the California Public Utility Act, Public Utilities Code section 200 *et seq.* SCWC provides potable water service to customers within its certificated service area in Santa Barbara County, generally referred to as the "Santa Maria Customer Service Area," which includes four unincorporated areas of Santa Barbara County, commonly known as "Orcutt," "Tanglewood," "Lake Marie," and "Sisquoc," and one unincorporated area in San Luis Obispo County, commonly referred to as the "Nipomo Mesa."

D. On July 20, 2004, Santa Maria and SCWC entered into a Water Management Agreement ("2004 Agreement"), which formalized certain efforts to coordinate the provision of potable water service within their respective service areas. The 2004 Agreement is incorporated herein by reference and remains in full force and effect and is attached as Exhibit A.

E. The Parties have historically relied on local groundwater to provide potable water service to their respective customers and hold rights to pump groundwater ("Groundwater Rights") from the Santa Maria Groundwater Basin ("Basin").

F. The Parties also each hold contracts to receive water from the State Water Project ("SWP Entitlement," collectively, and "Santa Maria SWP Entitlement," "Guadalupe SWP Entitlement," or "SCWC SWP Entitlement," individually). Santa Maria's contract is for 17,800

acre feet, SCWC's contract is for 550 acre feet and Guadalupe's contract is for 610 acre feet. Collectively, the SWP Entitlement totals 18,960 acre-feet per year.

G. The Parties are also litigants in the Santa Maria groundwater basin (*Santa Maria Valley Water Conservation District v. City of Santa Maria, et al.*, Superior Court, County of Santa Clara, Lead Case No. CV 770214 ("Basin Adjudication")).

H. The Parties, along with a large number of other litigants, intend to enter into a stipulation ("Stipulation") which will settle the Basin Adjudication among the stipulating parties.

I. This Agreement is that agreement described as Exhibit F in the Stipulation.

NOW THEREFORE, in consideration of the foregoing recitals and the promises and covenants contained herein, the Parties agree as follows:

Section 1. Definitions. The terms used in this Agreement shall have the same definition as provided in the Stipulation, unless expressly provided otherwise in this Agreement.

Section 2. Purpose. The purpose of this Agreement is to provide the mechanism through which the Parties shall meet their obligations as intended in the Stipulation, through that certain agreement designated as Exhibit F.

Section 3. Term. This Agreement shall be effective concurrently with and on the same terms as the Stipulation, and shall remain in effect concurrent with the Stipulation.

Section 4. Twitchell Yield.

4.1 Division. The Parties agree that the 80% of the 32,000 acre-feet of Twitchell Yield shall be allocated as follows: Santa Maria 14,300 acre-feet; Guadalupe 1,300 acre-feet and SCWC 10,000 acre-feet. The Parties acknowledge that the remaining 20% of the Twitchell Yield (6,400 acre-feet) is allocated to the Overlying Owners within the District who are Stipulating Parties, subject to the terms of the Stipulation.

4.2 Transfer of Twitchell Yield. The Parties agree that any proposed transfer of Twitchell Yield to one of the Parties shall be made available to all Parties. Each Party shall be given 30 days advance notice to elect to participate in any proposed transfer. The amount of transferred Twitchell Yield shall be divided between the Parties participating in the transfer in proportion to those Parties' then existing Twitchell Yield. If only one Party participates in the transfer, that Party shall be entitled to the full amount of transferred Twitchell Yield.

Section 5. Twitchell Management Authority.

5.1 All decisionmaking of the TMA shall be conducted, to the extent reasonably practical, on a consensus basis. Provided, however, if consensus cannot be achieved, TMA decisions shall be made by majority vote. Unless otherwise specified, the weight of each Party's voting rights shall be equivalent to its then-existing Twitchell Yield.

5.2 The Parties will work with the other Twitchell Participants to develop rules and regulations governing the TMA.

5.3 Budget. Each Stipulating Party holding Twitchell Yield shall be obligated to fund the TMA in proportion to that Party's then existing Twitchell Yield.

5.3.1 The TMA shall establish its members' funding obligations through a duly adopted budget, which shall project the TMA funding needs in 3-5 year increments, as it deems necessary to meet its obligations to preserve Twitchell Yield. Any TMA budget shall be adopted at least 18 months in advance of its intended implementation to provide adequate time for SCWC to secure PUC approval to fulfill its financial obligations as a member of the TMA. The Parties will to work cooperatively to achieve consensus on the TMA operating budget. If Santa Maria and SCWC are unable to agree on the operating budget, SCWC shall grant Santa Maria a proxy for purposes of the TMA vote on the operating budget. If SCWC grants such a proxy and an operating budget is subsequently approved, SCWC retains the right to challenge any such operating budget through the Court's reserved jurisdiction provided in the Stipulation. SCWC's obligations with respect to any such operating budget is subject to final approval by the PUC.

5.3.2 Consistent with Section V(D)(3)(c) of the Stipulation, the TMA's annual budget for the first five years following PUC approval of the Stipulation shall be as provided in Exhibit B to this Agreement. As provided in Exhibit B, the TMA budget shall include anticipated costs necessary to fund:

5.3.2.1 The Management Area Engineer activities for the Valley Management Area, including the implementation of the Valley Management Area Monitoring Program and the associated preparation of the Annual Report; and

5.3.2.2 The preparation and implementation of the Twitchell Project Manual; and

5.3.2.3 The funding of Twitchell Project operations and capital funds that the TMA determines are necessary to preserve the Twitchell Yield. The requirements for the Twitchell operational fund shall take into account the amount collected by the District from its current operation and maintenance assessment. The Twitchell capital fund shall consist of any unused revenues from the Twitchell operating fund, plus other funds necessary to implement approved Capital Improvement Projects.

5.4 Capital Improvement Projects.

5.4.1 The Parties agree that if one Party proposes a TMA Capital Improvement Project, that Party shall make available to the other Parties the opportunity to participate in the funding of the TMA Capital Improvement Project in proportion to the Parties' share of Twitchell Yield.

5.4.1.1 If a Party chooses not to participate in the funding of the TMA Capital Improvement Project, and that Party's participation is required to implement the Project, the Parties may petition the Court to resolve the issue on an expedited basis.

5.4.1.2 If a Party chooses not to participate in the funding of the TMA Capital Improvement Project, and that Party's participation is not required to implement the Project, the Party or Parties choosing not to participate in the Project shall grant the Party proposing the Project a proxy for purposes of the TMA vote to approve the Project, so long as the proposed Project will not adversely affect a Party's share of Twitchell Yield or otherwise cause material injury to a Party.

5.4.1.3 If fewer than all Parties participate in the funding of a TMA Capital Improvement Project, the Parties who participate in the funding of the Project shall be entitled to the benefits received from the Project in proportion to their financial contribution.

5.4.2 If an emergency situation exists such that a TMA Capital Improvement Project is necessary to abate the emergency, the Parties may petition the Court for an order approving the Project on an expedited basis.

Section 6. New Urban Uses - SCWC. The 2004 Agreement is expressed modified only as follows:

6.1 All new customers of SCWC, or existing customers proposing to increase their water use through a change in land use requiring a discretionary land use permit or other form of land use entitlement, as specified in Section X(D)(2) of the Stipulation ("SCWC Project

Proponents”) shall provide Supplemental Water to offset the demand associated with that prospective use, through the protocol provided in the 2004 Agreement. The entities that have entered into the Reservation/Purchase Agreements identified on Exhibit C to this Agreement and Exhibit B to the 2004 Agreement are deemed to have satisfied the requirements of this Section and are exempt from the requirements of Section 6.2, below.

6.2 In addition to the fee paid to secure Supplemental Water pursuant to the 2004 Agreement, an additional 20% shall be charged to the SCWC Project Proponent by Santa Maria and shall be placed into either the Twitchell operational fund or the Twitchell capital fund. That incremental charge deposited in the applicable fund, shall be deemed a SCWC contribution to offset any SCWC TMA funding requirements.

Section 7. New Urban Uses – Guadalupe.

7.1 Guadalupe and Santa Maria agree that it is within their mutual interests to cooperate and coordinate their efforts to provide retail water service within their respective service areas.

7.2 Guadalupe and Santa Maria mutually acknowledge the benefits of importing SWP supplies to augment their use of local groundwater.

7.3 It is to the mutual advantage of Guadalupe and Santa Maria to have several alternatives for making use of their SWP Entitlements, Return Flows and Twitchell Yield to create flexibility, reliability, and cost effectiveness in their water supply systems. Santa Maria and Guadalupe shall each have the right to use the other’s unused Twitchell Yield in any given year if needed.

7.4 Guadalupe and Santa Maria agree to work cooperatively to provide a reliable and cost effective mechanism through which Santa Maria and Guadalupe can maximize the use of their respective SWP supplies and Return Flows within the Basin. Santa Maria agrees not to oppose any effort by Guadalupe that is based on reliable data to increase the fixed percentage of Guadalupe’s SWP Return Flow.

7.5 Santa Maria agrees to work cooperatively with Guadalupe to provide Guadalupe with additional SWP supplies. Guadalupe shall compensate Santa Maria through a specified dollar amount or through an exchange of water resources, as Guadalupe and Santa Maria deem appropriate. As further consideration, Santa Maria shall have a right of first refusal to purchase any SWP Return Flows that Guadalupe elects to sell from its existing SWP Entitle-

ment, and any future SWP Entitlement, that are not for use within or adjacent to Guadalupe's service area.

Section 8. Representations or Warranties of Guadalupe. Guadalupe makes the following representations, warranties and covenants to SCWC and Santa Maria:

8.1 Power and Authority to Execute and Perform this Agreement. Guadalupe has the power and authority to enter into this Agreement and to perform its obligations and all necessary approvals and authorizations have been obtained.

8.2 Enforceability. This Agreement constitutes a legal, valid and binding obligation of Guadalupe, and is enforceable against Guadalupe in accordance with its terms.

Section 9. Representations or Warranties of Santa Maria. Santa Maria makes the following representations, warranties and covenants to SCWC and Guadalupe:

9.1 Power and Authority to Execute and Perform this Agreement. Santa Maria has the power and authority to enter into this Agreement and to perform its obligations and all necessary approvals and authorizations have been obtained.

9.2 Enforceability. This Agreement constitutes a legal, valid and binding obligation of Santa Maria, and is enforceable against Santa Maria in accordance with its terms.

Section 10. Representations or Warranties of SCWC. SCWC makes the following representations, warranties and covenants to Santa Maria and Guadalupe:

10.1 Power and Authority to Execute and Perform this Agreement. SCWC is a corporation duly formed and in good standing in the State of California. Subject to California Public Utility Commission approval, expressly including the ability to recover the costs of implementing this agreement through its authorized regulated utility rates, SCWC has the corporate power and authority to enter into this Agreement and to perform its obligations and all necessary corporate approvals and authorizations have been obtained.

10.2 Enforceability. Subject to California Public Utility Commission approval as provided in section 10.1, this Agreement constitutes a legal, valid and binding obligation of SCWC, enforceable against SCWC in accordance with its terms.

Section 11. Remedies Not Exclusive. Remedies provided in this Agreement for enforcement of its terms are intended and shall be construed as cumulative rather than exclusive and shall not be deemed to deprive any Party from also using any other remedies provided by this Agreement or by law.

Section 12. Subject to Applicable Law. The Parties acknowledge and agree that this Agreement and the rights and obligations of the Parties shall be subject to the laws governing municipal corporations as they now exist and as they may be amended or codified by the Legislature of the State of California.

Section 13. Integration. This Agreement shall be integrated with, and interpreted in companion with the 2004 Agreement, the Stipulation, and the final judgment entered in the Basin Adjudication that is based upon the Stipulation. These set of agreements contain the entire understanding between SCWC, Santa Maria and Guadalupe with respect to the subject matter, and supersede all prior agreements, oral or written, and all prior or contemporaneous discussions or negotiations between SCWC, Santa Maria and Guadalupe. This Agreement cannot be amended except in writing signed by all Parties.

Section 14. No Waiver. Any failure or delay on the part any Party to exercise any right under this Agreement shall not constitute a waiver of the right, and shall not preclude such Party from exercising or enforcing the right, or any other provision of this Agreement, on any subsequent occasion.

Section 15. Notices. All notices or other communications required or desired to be given pursuant to this Agreement shall be in writing and shall be hand-delivered, or mailed by certified mail, return receipt requested, or sent by a reputable overnight courier service providing delivery confirmation. Each such notice or communication shall be deemed to be duly given when hand-delivered, or three (3) days after being mailed in any depository maintained by the United States Postal Service, with prepaid postage, certified, return receipt requested or one (1) day after being deposited for next day delivery with Federal Express or other reputable overnight courier. Each such notice or communication shall be addressed to the Parties at their respective addresses set forth next to their signatures below, or such other address as a Party notifies the other in writing.

Section 16. Headings; Section References. Captions and headings appearing in this Agreement are inserted solely as reference aids for the ease and convenience; they shall not be deemed to define or limit the scope or substance of the provisions they introduce, nor shall they be used in construing the intent or effect of such provisions.

Section 17. Separability. If any provision of this Agreement is finally determined by a court to be invalid or unenforceable as written, the provision shall, if possible, be enforced to

the extent reasonable under the circumstances and otherwise shall be deemed deleted from this Agreement. The other provisions of this Agreement shall remain in full force and effect so long as the material purposes of the Agreement and understandings of the Parties are not impaired.

Section 18. Binding Effect Assignment. This Agreement shall only be binding on and inure to the benefit of the Parties, and their respective successors and permitted assigns. No Party shall assign this Agreement except with the prior written approval of the other Parties. Any unauthorized attempt to assign this Agreement shall be null and void. Notwithstanding the foregoing, SCWC shall have the right to assign this Agreement to any affiliate.

Section 19. Attorneys Fees. In the event that any action or proceeding is brought to enforce one or more of the terms of this Agreement, to restrain an alleged violation of this Agreement, or to determine the validity of this Agreement or any part, the prevailing Party in any such action or proceeding shall be entitled to recover from the other its reasonable costs and attorneys' fees, in addition to any other remedies available to it in law or equity. If all Parties are successful in one or more causes of action during any such proceeding, the costs and fees shall be apportioned as determined by the Court.

Section 20. Force Majeure. If by reason of acts of God, earthquakes, floods, storms, explosion, fires, labor troubles, strikes, insurrection, riots, acts of the public enemy, or federal, state, or local law, order, rule, or regulation, any Party is prevented from complying with any condition of this Agreement, then while so prevented the condition shall be suspended and the Party shall be relieved of the obligation of complying with such covenant and shall not be liable for damages for failure to comply with it. Any obligation of any Party shall be extended for as long as it is so prevented from complying with any condition or covenant in the Agreement.

Section 21. Dispute Resolution, Governing Law and Venue. This Agreement is a contract governed in accordance with the laws of the State of California. The Parties agree that if any dispute arises with respect to any provision of this Agreement, the Parties shall meet and confer in an attempt to resolve any such disputes. If, after 90 days, the meet and confer process is unsuccessful, the dispute shall be presented for Court review and determination pursuant to the Court's reserved jurisdiction and judicial review provisions provided in the Stipulation.

Section 22. Counterparts. This Agreement may be signed in any number of counterparts, including counterparts by facsimile signature, each of which shall be deemed an original,

but all of which shall together constitute one and the same instrument. The original signature pages shall be filed with the Court as Exhibit F to the Stipulation.

IN WITNESS WHEREOF, the parties have executed this agreement as of the date first written above.

CITY OF SANTA MARIA:

City of Santa Maria
a California municipal corporation

By: _____
Name: _____
Title: _____
Address: _____

Fax: _____
Phone: _____

SCWC:

Southern California Water Company,
a California corporation

By: _____
Name: Denise L. Kruger
Title: Senior Vice President of Operations
Address: 3035 Prospect Park, Suite 60
Rancho Cordova, CA 95670
Fax: (916) 853-3674
Phone: (916) 853-3606

CITY OF GUADALUPE

City of Guadalupe,
a California municipal corporation

By: _____
Name: _____
Title: _____
Address: _____

Fax: _____
Phone: _____

APPROVED AS TO FORM:

By: _____
Guadalupe City Attorney

EXHIBIT A
to
STIPULATION EXHIBIT F

WATER MANAGEMENT AGREEMENT

This Water Management Agreement ("Agreement") is made and entered into this ~~20th~~ day of July 2004, by and between the CITY OF SANTA MARIA ("City"), a California municipal corporation, and SOUTHERN CALIFORNIA WATER COMPANY, a California corporation ("SCWC"). The City and SCWC are referred to individually as a "Party" and collectively as the "Parties".

RECITALS

A. The City is a Charter City. The City provides potable water service to customers within the greater Santa Maria area of Santa Barbara County.

B. SCWC is an investor-owned public utility within the meaning of Public Utilities Code Section 2400, *et seq.* and operates pursuant to the California Public Utility Act, Public Utilities Code Section 200, *et seq.* SCWC provides potable water service to customers within its certificated service area in Santa Barbara County, generally referred to as the "Santa Maria Customer Service Area", which includes four unincorporated areas of Northern Santa Barbara County, commonly known as "Orcutt," "Tanglewood," "Lake Marie," and "Sisquoc," and one unincorporated area in San Luis Obispo County, commonly referred to as the "Nipomo Mesa."

C. The City and SCWC have historically cooperated and coordinated their efforts to provide retail water service within their respective service areas.

D. Both the City and SCWC have historically relied on local groundwater to provide potable water service to their respective customers and both hold rights to pump groundwater ("Groundwater Rights") from the Santa Maria Groundwater Basin ("Basin").

E. The City and SCWC also each hold contracts to receive water from the State Water Project ("SWP Entitlement," collectively, and "City SWP Entitlement" or "SCWC SWP Entitlement," individually). Collectively, their contract entitlements total 18,350 acre-feet per year.

F. Both the City and SCWC are legally entitled to retain and recapture that portion of their respective SWP Entitlement that recharges the Basin after the consumptive use of the SWP Entitlement ("Return Flows").

G. The City and SCWC mutually acknowledge the benefits of importing SWP supplies to augment their use of local groundwater.

H. It is to the mutual advantage of the City and SCWC to have several alternatives for making use of their SWP Entitlements, Return Flows and Groundwater Rights, to create flexibility, reliability and cost-effective redundancy in their water supply systems.

I. The County of Santa Barbara ("County") regulates the land use activities within Orcutt. In 1997, the County adopted the Orcutt Community Plan ("OCP"), which establishes, among other things, certain policies regarding water supplies to be secured for new development projects in Orcutt ("Project" or "Projects"). The OCP was amended in 2001. In particular, the OCP requires that the water demand associated with Projects be offset by "supplemental" water supplies that do not result in further overdraft of the Basin ("OCP Water Policies").

J. As of the date of this Agreement, SCWC has fully reserved the SCWC SWP Entitlement for the benefit of Projects (See Section 3 below). In addition, without significant investment in and construction of additional capital facilities and/or the access to City facilities as provided in this Agreement, SCWC is unable to take delivery of the full extent of its SCWC SWP Entitlement.

K. Without the construction of additional capital facilities that extend the SCWC SWP turnout from Tanglewood to Orcutt, SCWC is unable to take delivery of any additional alternative sources of water that may comply with the OCP Water Policies, except as provided in this Agreement.

L. The City has elected to make available to certain Project proponents within Orcutt supplemental water supplies that will satisfy the OCP Water Policies applicable to Projects. (See City Resolution 2003-150, attached as Exhibit "A" ("Resolution 2003-150").)

M. SCWC and the City are also parties to litigation regarding water rights in the Santa Maria groundwater basin (*Santa Maria Valley Water Conservation District v. City of Santa Maria, et al.*, Superior Court, County of Santa Clara, Lead Case No. CV 770214 ("Basin Adjudication"))

N. The Parties intend that this Agreement provide a reliable and cost effective mechanism through which the City and SCWC can maximize the use of their respective SWP supplies within the Basin, while making the most efficient use of existing facilities to take delivery of the Parties' respective SWP supplies.

O. The Parties also intend that this Agreement establish a mechanism through which potential new SCWC customers in Orcutt may access supplemental water through the City, consistent with the OCP Water Policies.

NOW THEREFORE, in consideration of the foregoing recitals and the promises and covenants contained herein, the Parties agree as follows:

Section 1. Purpose. The purposes of this Agreement are to: (a) provide a reliable and cost effective mechanism through which the City and SCWC can maximize the use of their respective SWP supplies within the Basin, (b) make the most efficient use of existing facilities to take delivery of the Parties' respective SWP supplies, (c) secure a reliable means of accessing Supplemental Water (defined below), and (d) fairly allocate the costs of obtaining and using Supplemental Water within the Basin. Nothing in this Agreement shall be interpreted to impose on either Party any obligation that might arise out of the final judgment entered in the Basin Adjudication, other than as expressly provided in this Agreement.

Section 2. Term.

2.1 This Agreement shall be effective on the date first written above ("Effective Date") and shall continue to February 25, 2038, and thereafter shall remain in effect for so long as both the City and SCWC remain SWP contractors ("Term").

2.2 While the Parties contend PUC approval of this Agreement is not required, should the PUC rule that PUC approval is required and that approval of the Agreement as written is denied, the Parties shall make every reasonable effort to modify the Agreement in a manner that the PUC will approve and that also preserves its original, essential terms.

Section 3. Right to Acquire Water.

3.1 The Parties acknowledge that given the limits of existing facilities, SCWC is unable to take full delivery of the SCWC SWP Entitlement through its existing SWP facilities because the water demand in the area with direct access to the SCWC SWP Entitlement (Tanglewood) is significantly less than the full SCWC SWP Entitlement. Further, SCWC has fully committed to those Projects listed in Exhibit "B" ("Committed Projects") SCWC's SWP Entitlement and the use of SCWC's existing facilities to make use of the SCWC SWP Entitlement reserved to the benefit of the Committed Projects. To take delivery of the entirety of the SCWC SWP Entitlement, SCWC must either construct additional capital facilities to extend the

SWP turnout from Tanglewood to Orcutt, and/or obtain the rights to rely on the interconnection between the SCWC and City systems, as provided in this Agreement.

3.2 SCWC agrees that, given its geographic proximity to and existing interconnection with SCWC, the City provides the best, most cost effective, and logical source of Supplemental Water for the benefit of Projects in Orcutt to which SCWC would provide retail potable water service.

3.3 For the purpose of this Agreement, "Supplemental Water" shall mean a portion of the yield of the SWP Entitlement held by the City, or a portion of the historic groundwater rights to the Basin held by the City in accordance with the final judgment entered in the Basin Adjudication.

3.4 In working with Project proponents, SCWC agrees that prior to accepting any water that is intended to satisfy the OCP Water Policies, other than the SCWC SWP Entitlement, Supplemental Water and that obtained under Section 7.1, SCWC shall:

3.4.1 Refer to the City any Project proponent that requests water service from SCWC that is also subject to the OCP Water Policies; and

3.4.2 Allow sufficient time for the City and the Project proponent to attempt to make arrangements consistent with the OCP Water Policies, this Agreement and other applicable considerations.

3.5 The City shall make available Supplemental Water to Projects in Orcutt pursuant to Resolution 2003-150 or a substantially similar policy. The City shall not unreasonably withhold Supplemental Water from Projects in Orcutt.

3.6 If any portion of SCWC's SWP Entitlement becomes uncommitted (i.e., a Committed Project is not approved for development or if the County adjusts upward the reliability factor it applies to SCWC SWP Entitlement), SCWC shall use the uncommitted SCWC SWP Entitlement as specified in this Section 3.6 and the Parties shall undertake the following:

3.6.1 SCWC shall provide written notice to the City of the availability of the SCWC SWP Entitlement ("Notice of Availability"), specifying the quantity of SCWC SWP Entitlement that has become available. Within 45 days of the Notice of Availability, the City shall pay to SCWC \$22,000 per acre foot, adjusted annually based on the consumer price index (Los Angeles-Riverside-Orange County), for the SCWC SWP Entitlement specified in the Notice of Availability. Upon provision of payment to SCWC, the City, at its sole discretion, may make

available to Project(s) in Orcutt, as otherwise provided in this Agreement, this SCWC SWP Entitlement as though it is Supplemental Water. SCWC shall continue to use the SCWC SWP Entitlement as though it is fully committed for the benefit of Projects in Orcutt.

3.7 SCWC shall be relieved of its obligation to refer the Project proponent to the City as provided in subsection 3.4, during any period which:

3.7.1 The City determines that the City has no additional Supplemental Water available for use in Orcutt, or the County determines that the City has no additional Supplemental Water available for use in Orcutt. If the Parties disagree with the County's determination, the Parties agree to use their reasonable best efforts to convince the County that the City does have available Supplemental Water.

3.8 After January 1, 2014, SCWC shall be relieved of its obligation to refer the Project Proponent to the City as provided in subsection 3.4, if one or more of the following conditions applies:

3.8.1 A source of water becomes available to SCWC for use in the Basin at a cost less than the cost of the City's Supplemental Water, on a per acre foot basis;

3.8.2 The Parties agree to meet and confer in good faith to attempt to resolve any issues that arise pursuant to this Section 3.8 prior to SCWC seeking an alternative source of water.

3.9 The Parties acknowledge and agree that this Agreement is not a mechanism through which SCWC may use the City's water distribution system to access alternative sources of water, either directly or indirectly, except as expressly provided in this Agreement.

Section 4. Interconnection. The Parties have previously established an interconnection between their respective water distribution facilities, consisting of a two-way meter, meter vault and appurtenances located inside the meter vault ("Interconnection"). The Interconnection is located at Miller Street and Santa Maria Way. The maintenance, repair and improvements to the Interconnection shall be managed as follows:

4.1 The Parties shall share equally the costs of all maintenance and repairs on the Interconnection. SCWC shall be responsible for physically implementing the ongoing maintenance and repair of the Interconnection, subject to the City's prior review of the maintenance and repair plans.

4.2 The Parties shall share the costs of any needed improvements to the Interconnection one-fourth ($\frac{1}{4}$) by the City and three-fourths ($\frac{3}{4}$) by SCWC. Unless otherwise arranged between the Parties, SCWC shall be responsible for physically implementing any improvements to the Interconnection. The City shall provide prior input and approval of any improvements to the Interconnection.

4.3 Both the City and SCWC shall have reasonable access to the meter at the Interconnection.

Section 5. Delivery of Water Through the Interconnection. Either Party may take delivery of water through the Interconnection subject to the following conditions (for the purpose of this Agreement, the Party taking delivery shall be referred to as the "Receiving Party" and the Party supplying the water shall be referred to as the "Supplying Party"):

5.1 As a Receiving Party, SCWC shall have a first priority right to use the Interconnection to take delivery each Year (defined below) of only that amount of SCWC SWP Entitlement that SCWC cannot take delivery of through SCWC's own facilities. In addition, each Year, SCWC's receipt of water through the Interconnection pursuant to this Section shall be limited to that quantity of SCWC's SWP Entitlement SCWC has made available for the City's receipt during that Year, at the City's SWP turnout within the City. The City may impose reasonable limitations on the rate of water SCWC takes through the Interconnection subject to this subsection 5.1.

5.2 Subject to SCWC's use of the Interconnection as provided in Section 5.1, either Party may use the Interconnection to take delivery of water by providing the Supplying Party at least 48 hours advance notice of the quantity and rate at which water will be taken.

5.3 Other than as provided in subsection 5.1, the Supplying Party may impose reasonable limitations on the rate and quantity of water to be taken through the Interconnection. Each Party is under an affirmative obligation to accommodate reasonable requests for use of the Interconnection, subject to SCWC's priority right provided in Section 5.1. Unless otherwise agreed between the Parties, the use of the Interconnection other than as provided in Section 5.1 shall be interim and temporary in nature.

5.4 Payment for receipt of water through the Interconnection shall be made in accordance with Section 6.

Section 6. Payments for Delivered Water. The Receiving Party shall pay to the Supplying Party for receipt of water through the Interconnection, as follows:

6.1 Section 5.1 deliveries. For use of the Interconnection as provided in Section 5.1, SCWC shall pay to the Central Coast Water Authority ("CCWA") all costs associated with making available to the City, at the City's SWP turnout within the City, that quantity of the SCWC SWP Entitlement equivalent to that amount of water SCWC intends to receive through the Interconnection. Payment shall be made in accordance with applicable CCWA policies.

6.2 Section 5.2 deliveries. For delivery of water obtained through the Interconnection pursuant to Section 5.2, the Receiving Party shall pay the Supplying Party a per acre-foot charge equivalent to the Supplying Party's cost of producing the water for that Year. The Supplying Party shall determine cost of producing water and shall provide the Receiving Party with an itemized statement summarizing those costs. The Parties agree to meet and confer in good faith regarding any dispute in determining the cost of producing water.

6.3 Neither Party shall be obligated to pay any charge, other than as provided in this Section.

6.4 For the purpose of this Agreement, a "Year" shall refer to a water year commencing on October 1 and ending in the subsequent year on September 30. The Payments required in Section 6.2 shall be made annually, on or before November 1 of each Year, based on actual metered receipt of water through the Interconnection.

Section 7. Additional Supplemental Water. In exchange for the commitments in Section 3 and as an element of consideration for those commitments, the City hereby provides to SCWC, upon the Effective Date, the right to take delivery of 20 acre-feet of Supplemental Water annually for the Term of this Agreement, at no cost to SCWC. The City provides these 20 acre-feet of Supplemental Water under the same terms and conditions provided in Resolution 2003-150. If the County determines that Supplemental Water provided pursuant to Resolution 2003-150 does not satisfy the OCP Water Policies, the City shall provide SCWC at no cost, 20 acre-feet per year of water through the Interconnection, in addition and subject to the same priority as that amount of water SCWC can obtain under Section 5.1. SCWC shall have the right to use 20 acre-feet of water provided in this Section 7 for the benefit of any residential Project.

Section 8. Service Area Integrity. Nothing in this Agreement is intended nor shall it be interpreted to waive either Party's rights to provide water service to current or future areas within or adjacent to their existing service areas. Should the City seek to acquire (by any means) any portion of, or all of the SCWC certificated service area in SCWC's Santa Maria Customer Service Area, the City shall pay as fair compensation, the greater of 10 times the SCWC rate base or the court-approved fair compensation.

Section 9. Representations or Warranties of City. The City makes the following representations, warranties and covenants to SCWC:

9.1 Power and Authority to Execute and Perform this Agreement. The City has the power and authority to enter into this Agreement and to perform its obligations and all necessary approvals and authorizations have been obtained.

9.2 Enforceability. This Agreement constitutes a legal, valid and binding obligation of the City, and is enforceable against the City in accordance with its terms.

Section 10. Representations or Warranties of SCWC. SCWC makes the following representations, warranties and covenants to City:

10.1 Power and Authority to Execute and Perform this Agreement. SCWC is a corporation duly formed and in good standing in the State of California. Subject to the conditions of Section 2.2, SCWC has the corporate power and authority to enter into this Agreement and to perform its obligations and all necessary corporate approvals and authorizations have been obtained. The City agrees that nothing in this representation, warranty or covenant shall be interpreted or applied to negate the City's indemnity obligations provided in Section 12.

10.2 Enforceability. This Agreement constitutes a legal, valid and binding obligation of SCWC, enforceable against SCWC in accordance with its terms.

Section 11. Termination. This Agreement shall terminate as described in Section 2. If this Agreement is terminated prior to the expiration of the Term, its termination shall not impact: (a) any other agreements regarding Supplemental Water between the City and Project proponents, and SCWC and Project proponents, (b) the provision of water to SCWC pursuant to Section 7 and (c) the payments and associated commitments, if any, regarding the SCWC SWP Entitlement between the City and SCWC made pursuant to Section 3.6.

Section 12. Indemnity.

12.1 The City shall hold harmless, defend and indemnify SCWC, its directors, employees, agents, successors and assigns (all of which are herein referred to as the "SCWC Indemnified Parties") from and against all liabilities, obligations, claims, damages, losses, actions, judgments, suits, costs and expenses, including but not limited to reasonable attorneys' fees (collectively, "Damages"), which may be imposed on, incurred by, or asserted against the SCWC Indemnified Parties as a result of or arising out of the restrictions placed on SCWC's access to Supplemental Water as provided in Section 3, and/or the implementation of this Agreement as of the Effective Date as provided in Section 2. This indemnification shall survive termination of the Agreement.

12.2 Promptly following notice of any claim for which SCWC is indemnified, SCWC shall notify the City of such claim in writing. The City shall thereafter defend against such claim, in consultation with SCWC, in a manner the Parties mutually deem appropriate, including settlement on such terms as SCWC and the City both approve. The City and SCWC shall mutually select counsel. SCWC may also elect to have separate representation at its sole discretion and cost. If the City fails to promptly defend such claim, SCWC may defend the claim in any manner it deems appropriate and with counsel of its choice, including without limitation, settlement of the claim on terms SCWC deems appropriate, and to pursue such remedies as may be available to SCWC against the City.

Section 13. Remedies Not Exclusive. Remedies provided in this Agreement for enforcement of its terms are intended and shall be construed as cumulative rather than exclusive and shall not be deemed to deprive either Party from also using any other remedies provided by this Agreement or by law.

Section 14. No Transfer of Water Rights or Contracts. The rights granted pursuant to this Agreement constitute the right to take delivery of water only and shall not be interpreted as a sale, transfer, or assignment of either Party's water rights or contract entitlements.

Section 15. Subject to Applicable Law. The Parties acknowledge and agree that this Agreement and the rights and obligations of the Parties shall be subject to the laws governing municipal corporations as they now exist and as they may be amended or codified by the Legislature of the State of California.

Section 16. Entire Agreement. This Agreement contain the entire understanding between SCWC and the City with respect to the subject matter, and supersedes all prior agreements, oral or written, and all prior or contemporaneous discussions or negotiations between SCWC and the City. This Agreement cannot be amended except in writing signed by both Parties.

Section 17. No Waiver. Any failure or delay on the part either Party to exercise any right under this Agreement shall not constitute a waiver of the right, and shall not preclude such Party from exercising or enforcing the right, or any other provision of this Agreement, on any subsequent occasion.

Section 18. Notices. All notices or other communications required or desired to be given pursuant to this Agreement shall be in writing and shall be hand-delivered, or mailed by certified mail, return receipt requested, or sent by a reputable overnight courier service providing delivery confirmation. Each such notice or communication shall be deemed to be duly given when hand-delivered, or three (3) days after being mailed in any depository maintained by the United States Postal Service, with prepaid postage, certified, return receipt requested or one (1) day after being deposited for next day delivery with Federal Express or other reputable overnight courier. Each such notice or communication shall be addressed to the Parties at their respective addresses set forth next to their signatures below, or such other address as a Party notifies the other in writing.

Section 19. Headings; Section References. Captions and headings appearing in this Agreement are inserted solely as reference aids for the ease and convenience; they shall not be deemed to define or limit the scope or substance of the provisions they introduce, nor shall they be used in construing the intent or effect of such provisions.

Section 20. Separability. If any provision of this Agreement is finally determined by a court to be invalid or unenforceable as written, the provision shall, if possible, be enforced to the extent reasonable under the circumstances and otherwise shall be deemed deleted from this Agreement. The other provisions of this Agreement shall remain in full force and effect so long as the material purposes of the Agreement and understandings of the Parties are not impaired.

Section 21. Binding Effect Assignment. This Agreement shall be binding on and inure to the benefit of the Parties, and their respective successors and permitted assigns. Neither Party shall assign this Agreement except with the prior written approval of the other Party. Any

unauthorized attempt to assign this Agreement shall be null and void. Notwithstanding the foregoing, SCWC shall have the right to assign this Agreement to any affiliate.

Section 22. Attorneys Fees. In the event that any action or proceeding is brought to enforce one or more of the terms of this Agreement, to restrain an alleged violation of this Agreement, or to determine the validity of this Agreement or any part, the prevailing Party in any such action or proceeding shall be entitled to recover from the other its reasonable costs and attorneys' fees, in addition to any other remedies available to it in law or equity. If both Parties are successful in one or more causes of action during any such proceeding, the costs and fees shall be apportioned as determined by the court.

Section 23. Force Majeure. If by reason of acts of God, earthquakes, floods, storms, explosion, fires, labor troubles, strikes, insurrection, riots, acts of the public enemy, or federal, state, or local law, order, rule, or regulation, either Party is prevented from complying with any condition of this Agreement, then while so prevented the condition shall be suspended and the Party shall be relieved of the obligation of complying with such covenant and shall not be liable for damages for failure to comply with it. Any obligation of either Party shall be extended for as long as it is so prevented from complying with any condition or covenant in the Agreement.

Section 24. Governing Law and Venue. This Agreement is a contract governed in accordance with the laws of the State of California. THE PARTIES HEREBY AGREE THAT VENUE FOR ANY ACTION BROUGHT TO ENFORCE THE TERMS OF THIS AGREEMENT SHALL BE IN A COURT OF COMPETENT JURISDICTION IN THE COUNTY OF SANTA BARBARA, CALIFORNIA, AND CONSENT TO THE JURISDICTION THEREOF.


IN WITNESS WHEREOF, the parties have executed this agreement as of the date first written above.


CITY:

SCWC:

City of Santa Maria
a California municipal corporation

Southern California Water Company,
a California corporation

By: 
Name: L. J. Lavagnino
Title: Mayor

By: 
Name: Denise L. Kruger
Title: Senior Vice President of Operations

Address: 110 E. Cook Street
Santa Maria, CA 93454

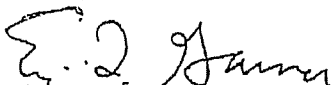
Fax: (805) 349-0657
Phone: (805) 925-0951, ext. 200

Address: 3035 Prospect Park, Suite 60
Rancho Cordova, CA 95670

Fax: (916) 853-3674
Phone: (916) 853-3606

APPROVED AS TO FORM:

Best Best & Krieger LLP

By: 
Eric Garner, Partner

ATTEST:

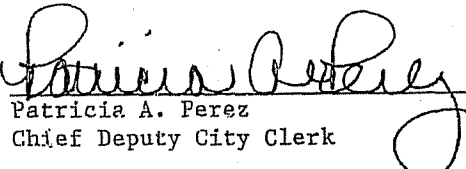

Patricia A. Perez
Chief Deputy City Clerk

EXHIBIT A

RESOLUTION NO. 2003 - 150

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF
SANTA MARIA, CALIFORNIA APPROVING THE SALE OF UP
TO 400 ACRE-FEET ANNUALLY OF SUPPLEMENTAL STATE
WATER PROJECT YIELD AND AUTHORIZING THE CITY
MANAGER TO EXECUTE AGREEMENTS FOR THE SALE OF
UP TO 400 ACRE-FEET ANNUALLY OF SUPPLEMENTAL
STATE WATER PROJECT YIELD**

WHEREAS, the City of Santa Maria ("City") holds contracts to receive water from the State Water Project ("Project"), and can import up to 17,820 acre feet of water per year from the Project; and

WHEREAS, the City also holds rights to pump groundwater from the Santa Maria Valley Groundwater Basin ("Basin"); and

WHEREAS, the County of Santa Barbara ("County") regulates the land use activities within the Orcutt area. In 1997, the County adopted the Orcutt Community Plan ("OCP"), which establishes, among other things, certain policies regarding water supplies to be secured for new development projects in Orcutt. The OCP requires that the water demand associated with projects be offset by "supplemental" water supplies that do not result in further overdraft of the Basin; and

WHEREAS, the City has water available for use in the Orcutt area pursuant to the OCP, that is surplus to that needed to serve the City's current and long-term future anticipated demands; and

WHEREAS, "Supplemental Water" shall mean a portion of the yield of the SWP entitlement held by the City, or a portion of the historic groundwater rights to the Basin held by the City in accordance with the final judgment entered in *Santa Maria Valley Water Conservation District v. City of Santa Maria, et al.*, Superior Court, County of Santa Clara, Lead Case No. CV 770214; and

WHEREAS, the sale of up to 400 acre-feet of Project water will not change the existing setting and will not affect the net amount of water that will be extracted from the Basin; and

WHEREAS, the City is willing to enter into agreements to provide up to 400 acre-feet annually of supplemental water to individual property owners for the benefit of the individual property owners and their associated Projects.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the City Council of the City of Santa Maria as follows:

1. The City Council approves the sale of up to 400 acre-feet annually of Supplemental water.

2. The City Manager is authorized and directed to execute agreements substantially in the form provided for the sale of up to 400 acre-feet of Supplemental water per year for municipal use for the purpose of satisfying the Orcutt Community Plan's policies regarding water supplies.

3. City staff is hereby authorized to make minor changes to the final agreement and directed to file any and all notices that may be required by law.

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Santa Maria held August 5, 2003.

/S/ L. J. LAVAGNINO

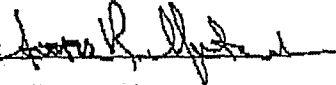
Mayor

ATTEST:

/s/PATRICIA A. PEREZ

City Clerk

APPROVED AS TO FORM:

BY: 
CITY ATTORNEY

CONTENTS:

BY: 
DEPARTMENT HEAD

BY: 
CITY MANAGER

STATE OF CALIFORNIA)
COUNTY OF SANTA BARBARA) ss.
CITY OF SANTA MARIA)

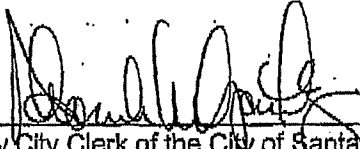
I, **RHONDA M. GARIETZ**, Deputy City Clerk of the City of Santa Maria and ex officio Clerk of the City Council DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of **Resolution No. 2003-150** which was duly and regularly introduced and adopted by said City Council at a regular meeting held **August 5, 2003**, by the following vote:

AYES: **Councilmembers Mariscal, Orach, Patino, Trujillo and Mayor Lavagnino.**

NOES: **None.**

ABSENT: **None.**

ABSTAIN: **None.**



Deputy City Clerk of the City of Santa Maria
and ex officio Clerk of the City Council

EXHIBIT B

SCWC SWP ENTITLEMENT: PROJECT LIST

PROJECT	TYPE	QUANTITY
Oak Knolls South	Residential	3.36 af
Mesa Verde	Residential	33 af
Orthodox Church	Commercial	1.6 af
Fundamental Baptist Church	Commercial	0.6 af
Orcutt Marketplace	Commercial	37 af
Rice Ranch	Residential	350 af
Eskridge Lot Split	Residential	0.5 af
Diamante Estates	Residential	9 af
Hummel Village/Senior Housing	Commercial/Residential	3.5 af
TOTAL		438.6*af

* Because the County of Santa Barbara considers State Water Project water less than 100% reliable, the County applies a reliability factor to the SCWC SWP Entitlement. For the purposes of the projects on this Exhibit B, the County has adopted a 79% reliability factor for the SCWC SWP Entitlement. Based on this reliability factor, the County considers the entirety of the SCWC SWP Entitlement fully committed.

EXHIBIT B
to
STIPULATION EXHIBIT F

DRAFT: Subject to Ratification by the TMA

Exhibit B

**SANTA MARIA VALLEY PUBLIC WATER PURVEYOR WATER
MANAGEMENT AGREEMENT**

**Twitchell Management Authority
Annual Budget
Applicable for 2006-2011**

Item	Amount
Administration	\$50,000
Management Area	\$100,000
Engineer	
Twitchell Operation (including Twitchell Project Manual)	\$300,000
Monitoring	\$100,000
Program/Annual Report	
Reserves	\$100,000

EXHIBIT C
to
STIPULATION EXHIBIT F

SUPPLEMENTAL WATER PURCHASE AGREEMENTS

City of Santa Maria and OakGlen General Partnership dated July 31, 2003 – Project known as OakGlen – 22 afy.

City of Santa Maria and Ronald Chappell and Raymond Gonzales dated July 31, 2003 – Project known as 1374 Solomon – 1 afy.

City of Santa Maria and SB Clark LLC dated July 31, 2003 – Project known as Clark Ranch Estates – 200 afy.

City of Santa Maria and Wellmack dated August 18, 2003 – Project known as Jensen's Crossing/Cobblestone Creek – 59 afy.

City of Santa Maria and Harpstone Parntership LP dated August 18, 2003 – Project known as Harp Springs – 26.5 afy.

City of Santa Maria and Stonegate Development LP dated August 18, 2003 – Project StoneGate – 11 afy.

City of Santa Maria and Old Mill Orcutt Venture, LLC dated August 18, 2003 – Project known as Old Mill – 26 afy.

City of Santa Maria and Andy Fetyko dated January 15, 2004 – Project known as Keysite 10 – 10 afy.

City of Santa Maria and Steve LeBard and Debbie LeBard dated February 11, 2004 – Project known as LeBard Project – 2 afy.

City of Santa Maria and Knollwood Properties LP dated March 23, 2004 – Project known as Knollwood Meadows Phase II – 10 afy.

City of Santa Maria and Walter Mendoza dated May 19, 2003 – 1 afy.

City of Santa Maria and Darren Hulstine dated November 17, 2004 – Property located at 1430 Solomon Road – 1 afy.

City of Santa Maria and Cameron Realty Partners dated July 28, 2004 – Project known as Keysite 10 – 10 afy.

City of Santa Maria and David Daniels undated – Project known as 520 W. Rice Ranch Road – ½ afy.

City of Santa Maria and Chris Henderson dated November 30, 2004 – Project known as 295 Siles Lane -- +/- ½ afy.

City of Santa Maria and Simonsen & Associates dated March 1, 2005 – Project known as

Hummel Village II – 3.01 afy.

City of Santa Maria and East Clark Avenue Partnership undated but returned signed on May 9, 2005 – Project known as 250 E. Clark Avenue – 4 afy.

City of Santa Maria and Thor Gjerdrum dated May 12, 2005 – Project known as Rice Oak -- .75 afy

EXHIBIT G

**Court's Order Concerning Electronic Service of Pleadings
and Electronic Posting of Discovery Documents
dated June 27, 2000**

Santa Maria Valley Water Conservation District v. City of Santa Maria
Santa Clara County Superior Court Case No. CV 770214

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SANTA CLARA
DEPARTMENT 17

**ENDORSED
FILED**
JUN 28 2000
STEPHEN V. LOVE
Clerk, Executive Officer
Superior Court, County of Santa Clara
By: *[Signature]* Dep. Clk

SANTA MARIA VALLEY WATER
CONSERVATION DISTRICT, a public
entity,

Plaintiff,

vs.

CITY OF SANTA MARIA, et al.,

Defendant

) SANTA MARIA GROUNDWATER
) LITIGATION
)
) Case No. CV770214
)
) ORDER CONCERNING ELECTRONIC
) SERVICE OF PLEADINGS AND
) ELECTRONIC POSTING OF DISCOVERY
) DOCUMENTS
)
) Consolidated Cases:
) CV784900; CV784921; CV784926;
) CV785509; CV785511; CV785515;
) CV785522; CV785936; CV786971;
) CV787150; CV787151; CV787152
) San Luis Obispo County Superior
) Court Cases: 990738 and 990739

And Related Cross-Actions and Actions Consolidated For
All Purposes

I. INTRODUCTION

A. The Court, through its Complex Civil Litigation Pilot Project, will host a Website to provide:

1. Electronic service on the parties of pleadings, discovery requests, discovery responses, and other documents to be served, and electronic access by the parties to all such pleadings, requests, responses, and other documents served;
2. Electronic production of documents, and electronic access by the parties to all such documents produced; and
3. A place for the electronic posting of deposition transcripts (as made available by

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

the attorneys) and transcripts of Court proceedings (when they are brief) and access to such transcripts by the parties.

B. The Website address is <http://www.sccomplex.org>. A dedicated link to the Santa Maria Groundwater Litigation is contained on the home page of this site.

C. The Court's Website will be maintained, and the tasks required of the Website will be conducted by, the Court's outside Website Vendor:

Andy Jamieson
Global Transactions, Inc.
519 17th St., Oakland, CA 94612
Telephone: 510-548-9050
Email: ajam@glotans.com

D. This Order supercedes and entirely replaces parts VII ("Document Repository") and VIII ("Filing and Service of Papers") of the Court's Case Management Order No. 4. All other parts of Case Management Order No. 4 remain unaffected.

E. The term "Document Repository" as used in Case Management Order No. 4 shall mean the Court's Website.

II. SERVICE LISTS

A. The firm of Hatch & Parent shall compile an initial service list consisting of the service addresses of all parties to the case.

B. On or before July 7, 2000, all parties shall submit to Hatch & Parent the address at which they wish to receive service. Service addresses may be submitted electronically to: GLane@HatchParent.com, or by facsimile to Gina Lane, Hatch & Parent, 805-965-4333.

Parties must elect one of the following three service options. All parties who are able must opt for email service.

1. Parties receiving service electronically shall provide a current electronic mail address, and a backup facsimile number.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

- 2. Parties without email who elect fax service shall provide a current facsimile number.
- 3. Other parties receiving service by U.S. Mail shall provide a current U.S. Mail address.

The court will notify email recipients that a document has been posted; parties must serve other parties by fax and mail.

- C. On or before July 10, 2000, Hatch & Parent shall transmit the initial electronic, facsimile and U.S. Mail service lists to the Website Vendor, based on the addresses submitted by the parties.
- D. All parties are obligated to check their email addresses on the website and notify the vendor immediately of any errors.
- E. New parties, upon making their first appearance in this case, will be required to elect their preferred method of service (i.e. electronic, facsimile, or U.S. Mail).
- F. Parties making any additions, corrections or changes to the electronic, facsimile, or U.S. Mail service lists after June 26, 2000, shall submit their changes directly to the Website Vendor. The Website Vendor shall post and keep current the electronic, facsimile, and U.S. Mail service lists on the Website.
- G. Once a party posts a document, the court, through its website, will make email service. The parties are under a continuing obligation to make fax and mail service of the notice of posting in the normal manner.

///
///
///
///
///

1 III. PLEADING DOCUMENTS

2 A. POSTING OF PLEADING DOCUMENTS

- 3 1. Commencing on July 11, 2000, all parties, including parties who elect service
4 options two (2) and three (3), will be required to serve all Pleading Documents¹
5 by posting them on the Website. Parties without Internet access will have to
6 seek it out at the public library or at copy stores.
- 7 2. Instructions for posting will be provided on the Website itself. Documents
8 posted shall be catalogued according to the instructions provided. The posting
9 party shall provide: its name, the complete title of the document, and the date of
10 posting. All Pleading Documents will be posted to the Website in xml text
11 format (with a copy in PDF format being optional). All Adobe Acrobat
12 resources can be obtained from www.abode.com.
- 13 3. Once a Pleading Document has been posted to the Website, no change shall be
14 made to that document by any party. No Pleading Document posted to the
15 Website shall be removed from the Website except upon further Order of the
16 Court.
- 17 4. Exhibits attached to Pleading Documents shall be submitted as image file
18 attachments in .GIF or .JPG form.
- 19 5. For all Pleading Documents in this case served prior to July 11, 2000, the
20 serving party shall post a copy of that document to the Website no later than
21 August 10, 2000.

22 ///

23 _____

24 1 "Pleading Document" means: pleadings or any other documents produced in the course of this
25 action and required to be filed with the Court, including, but not limited to: (1) all
complaints, cross-complaints and answers, including amendments thereto; (2) all demurrers,
opposition to demurrers and replies; (3) all writ petitions and orders thereon; (4) all
motions, oppositions to motions and replies; (5) all proposed orders; (6) all expert
designations; and (7) all trial briefs.

1 6. Nothing in this Order modifies the manner of obtaining personal jurisdiction
2 (through service of process) over a party who has not appeared in these
3 consolidated actions. Service of process shall proceed in the regular manner
4 provided under California law.

5 B. ELECTRONIC SERVICE AND CONFIRMATION OF RECEIPT

6 1. The Website will be configured to transmit automatically an electronic "Notice
7 of Availability" to all parties on the electronic service list notifying them that a
8 Pleading Document has been served on them and is available for their review on
9 the Website.

10 2. Any party posting a Pleading Document on the Website who does not receive
11 electronic notice indicating that service of their document has been made shall,
12 within 12 hours of its posting, notify the Website Vendor of this problem.

13 3. All Parties electronically served shall confirm receipt of electronic service by
14 replying to the electronic mail "Notice of Availability" message received by no
15 later than 5:00 p.m. on the next business day following posting of the document
16 served, not including weekends and holidays. (For instance, an electronic
17 "Notice of Availability" transmitted at 4:59 p.m. on a Thursday must be
18 confirmed by 5:00 p.m. on Friday. Electronic Notice of Availability transmitted
19 at 5:01 p.m. on a Thursday must be confirmed by 5:00 p.m. on the following
20 Monday.) To confirm receipt, simply select "Reply" and then "Send."

21 4. Parties who fail to confirm receipt of electronic service within the time period
22 specified above will automatically receive a "Notice of Availability" by
23 facsimile from the Court's Website Vendor. A party's repeated failure to timely
24 confirm receipt of electronic service will be reported to the Court, and the court
25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

will require the party to personally appear to explain his failure to comply with the court's electronic service requirements.

C. FACSIMILE AND U.S. MAIL SERVICE

1. Commencing on July 11, 2000, in addition to posting all Pleading Documents on the Website, all parties shall serve, by facsimile and U.S. Mail as applicable, a "Notice of Availability" on all parties electing to receive service by facsimile or U.S. Mail shall be sufficient to constitute service of the Pleading Document itself.
2. The "Notice of Availability" shall contain; (1) the serving party's name and contact information; (2) the title of the document posted on the Website; and (3) the date of posting; and shall indicate that the document served is available for viewing on the Website.

D. PROOF OF SERVICE

3. All Pleading Documents posted to the Website shall contain a Proof of Service. The Proof of Service shall be sufficient if it indicates: (1) the title of the Pleading Document posted; (2) the date and time of posting; (3) that a "Notice of Availability" has been faxed to all parties on the Website's current facsimile service list; and (4) that a "Notice of Availability" has been mailed to all parties on the Website's current U.S. Mail service list.

///
///
///
///
///

1 IV. DISCOVERY DOCUMENTS

2 A. POSTING OF DISCOVERY DOCUMENTS

3 1. Commencing on July 11, 2000, Discovery Documents² that are written requests
4 for discovery or written responses to those requests shall be posted to the
5 Website and served in the same manner as Pleading Documents. For all
6 Discovery Documents that are written requests for discovery or written
7 responses to those requests that are produced prior to July 11, 2000, the
8 producing party shall post a copy of that document to the Website no later than
9 August 10, 2000.

10 2. Commencing on July 11, 2000, Discovery Documents that are deposition
11 transcripts (including exhibits), whether party or non-party, shall be posted to the
12 Website and served by the noticing party in the same manner as Pleading
13 Documents. Deposition transcripts shall be posted promptly after receipt of the
14 transcript. For all Discovery Documents that are deposition transcripts
15 (including exhibits) that are produced prior to July 11, 2000, the noticing party
16 shall post a copy of that document to the Website no later than August 10, 2000.

17 3. Commencing on July 11, 2000, documents produced in response to a demand for
18 inspection and copying of documents shall be produced by the
19 producing/responding party as follows:

- 20 a. All parties are required to produce documents electronically.
21 b. To ensure quality control and uniformity of imaging and indexing, all
22 parties are required to utilize the Document Services Vendor approved
23

24
25 ²"Discovery Documents" means: non-pleading, discovery documents, including, but limited to:
(1) all written discovery requests; (2) all written responses to discovery requests; (3)
documents produced in response to requests or demands for production of documents; (4) all
deposition transcripts; (5) all privilege logs; and (6) all trial exhibits.

1 by the Court: APS, 3485 Sacramento Drive, Suite H, San Luis Obispo,
2 California 93401, (805) 545-9100. All parties shall contact APS directly
3 to establish their individual accounts with the Document Services
4 Vendor.

5 c. Documents produced by a party shall be provided to the Document
6 Services Vendor not later than 15 days after the date of service of the
7 written response (unless another time is set by agreement of the parties
8 or by Order of Court).

9 d. Upon production of document(s) to the Document Services Vendor, the
10 producing/responding party shall post on the Website a "Notice of
11 Submission of Discovery Documents to the Document Services Vendor"
12 indicating: (1) the name of the producing/responding party; (2) the name
13 of the propounding party; (3) the title of the document requesting the
14 production; and (4) the date of the production.

15 e. The Document Services Vendor will apply a standard indexing protocol
16 (including electronic "Bates" stamping and bibliographic fields).

17 f. The Document Services Vendor will transmit electronic images of the
18 documents produced directly to the Website Vendor. The Website
19 Vendor will then post those documents to the Website on behalf of the
20 producing/responding party, and will notify the producing/responding
21 party of this fact.

22 g. Documents previously produced shall be submitted to the Document
23 Services Vendor on or before July 17, 2000.

24 B. COSTS

25 1. Each party producing Discovery Documents shall be responsible for the
scanning/imaging and indexing costs charged by the Document Services Vendor

1 for those services, and any and all costs associated with transmitting these
2 documents to the Website Vendor, as described below.

3 2. A party utilizing the Document Services Vendor for any other services (e.g.,
4 obtaining electronic images of produced documents on CD Rom) shall be
5 responsible for all costs associated with those other services.

6 3. For non-party document productions, the requesting party shall be responsible
7 for posting the documents and for the costs charged by the Document Services
8 Vendor to scan/image and index the documents.

9 **C. PROTECTIVE ORDERS**

10 1. The Court's standard procedures shall apply to any party seeking to protect or
11 limit disclosure of information in a Discovery Document. In lieu of posting of
12 electronic images for documents subject to Court-ordered protection or
13 limitations on disclosure, the Website shall contain a listing of the document and
14 identifying information (including at least the title and description of the
15 document), information on the nature of the protection or limitation ordered by
16 the Court, and information on how to obtain the document.

17 **V. FILING OF DOCUMENTS WITH THE COURT AND EFFECTIVE DATE OF**
18 **SERVICE**

19 A. Notwithstanding the procedures for posting Pleading Documents on the Website
20 provide by this Order, no party is relieved of its responsibility to file any and all
21 documents required by law with this Court.

22 B. All Pleading Documents and any other documents required to be filed with the Court
23 may be filed with the Court by facsimile.

24 C. For purposes of a party's obligation to produce and/or serve upon another party a
25 document, that party shall be deemed to have produced/served the document on the date
on which the document was posted to the Website or submitted to the Document

1 Services Vendor (as applicable). Documents posted to the Website or submitted to the
2 Document Services Vendor after the close of a business day (5:00 p.m.) shall be
3 deemed to have been produced/served on the next business day.

4 D. For purposes of a party's obligation to respond to any document served on him, service
5 by electronic posting, facsimile and U.S. Mail in accordance with this Order shall be
6 deemed to be service by facsimile transmission in accordance with Code of Civil
7 Procedure section 1013(e), and the time obligations and duties of the parties shall be
8 governed as if such service had been made by facsimile transmission.

9 E. All parties are under a continuing obligation to post all Pleading Documents and
10 Discovery Documents to the Website, in the manner described in this Order.

11 VI. STAY

12 A. The stay on responsive pleadings imposed by the court at the May 12, 2000 hearing is
13 lifted. Responsive pleadings are due July 17, 2000 and shall be posted in accordance
14 with section III.A.2. of this order.

15
16 Dated this 27th day of June, 2000

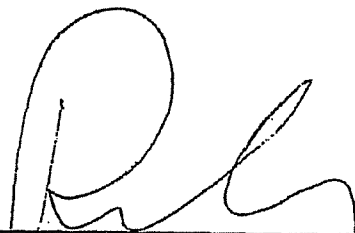
17
18 
19 CONRAD L. RUSHING
20 Judge of the Superior Court
21
22
23
24
25

EXHIBIT H

Form of Memorandum of Agreement to be Recorded

Santa Maria Valley Water Conservation District v. City of Santa Maria
Santa Clara County Superior Court Case No. CV 770214

Attached are two draft forms of Exhibit H. One form is intended to be used for recordation of notice of the Stipulation for properties located within Santa Barbara County, and the other form for properties located within San Luis Obispo County.

RECORDING REQUESTED BY:

XYZ CORPORATION

WHEN RECORDED MAIL TO:

**CITY OF SANTA MARIA
A California municipal corporation
110 E. Cook Street
Santa Maria, CA 903454**

**THIS SPACE RESERVED FOR RECORDER ONLY
(Gov. Code 27361.6)**

NOTICE OF AGREEMENT BY STIPULATION

THIS NOTICE (“Notice”) is authorized and required to be recorded in Santa Barbara County by order of the Superior Court of the County of Santa Clara and Government Code Section 27201.

Effective _____, 2005 the Clerk of the Court for Santa Clara County has entered a written stipulation in the matter of *Santa Maria Valley Water Conservation District v. City of Santa Maria*, Santa Clara County Superior Court, Lead Case No. CV 770214 (hereinafter “Stipulation”) affecting the use of water rights in the Santa Maria Groundwater Basin as more particularly described in the Stipulation. A copy of the Stipulation is on file with and may be viewed at the Santa Clara County Superior Court, City of Santa Maria, City of Guadalupe, and County of Santa Barbara. The below stated Stipulating Party and it’s real property located in Santa Barbara County bound by the terms of the Stipulation is identified in Exhibit “A” attached hereto and incorporated herein.

**XYZ CORPORATION
A California corporation**

By:
Name:
Title:

EXHIBIT "A"

STIPULATING PARTY AND PROPERTY DESCRIPTION (Santa Barbara County)

<u>Stipulating Party</u>	<u>Property Description</u>
XYZ Corporation	(APN 101-040-014) NW ¼ of SW ¼, Section 1, R 29E, T 30S, MDB&M (APN 101-040-019) As described in that certain recorded instrument No. 123, Recorded June 29, 2001, Book 123, Page 111, Santa Barbara County Recorder.

STATE OF CALIFORNIA)
) ss.
COUNTY OF SANTA BARBARA)

On the ___ day of _____, 2005, before me, the below-named Notary Public, personally appeared _____

_____ personally known to me or proved to me on the basis of satisfactory evidence to be the persons whose names are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacities and that by their signatures on the instrument the persons, or the entity upon behalf of which the person(s) acted, executed the instrument.

Witness my hand and official seal.

Notary Public

RECORDING REQUESTED BY:

XYZ CORPORATION

WHEN RECORDED MAIL TO:

**NIPOMO COMMUNITY SERVICES
DISTRICT**

**A California CSD
148 South Wilson Street
Nipomo, CA 93444**

**THIS SPACE RESERVED FOR RECORDER ONL
(Gov. Code 27361.6)**

NOTICE OF AGREEMENT BY STIPULATION

THIS NOTICE ("Notice") is authorized and required to be recorded in San Luis Obispo County by order of the Superior Court of the County of Santa Clara and Government Code Section 27201.

Effective _____, 2005 the Clerk of the Court for Santa Clara County has entered a written stipulation in the matter of *Santa Maria Valley Water Conservation District v. City of Santa Maria*, Santa Clara County Superior Court, Lead Case No. CV 770214 (hereinafter "Stipulation") affecting the use of water rights in the Santa Maria Groundwater Basin as more particularly described in the Stipulation. A copy of the Stipulation is on file with and may be viewed at the Santa Clara County Superior Court, Nipomo Community Services District, Oceano Community Services District, City of Arroyo Grande, City of Grover Beach, City of Pismo Beach, and County of San Luis Obispo. The below stated Stipulating Party and it's real property located in San Luis Obispo County bound by the terms of the Stipulation are identified in Exhibit "A" attached hereto and incorporated herein.

XYZ CORPORATION
A California corporation

By:
Name:
Title:

EXHIBIT "A"

STIPULATING PARTY AND PROPERTY DESCRIPTION (San Luis Obispo County)

<u>Stipulating Party</u>	<u>Assessors Parcel Number</u>
XYZ Corporation	(APN 101-040-014) NW ¼ of SW ¼, Section 1, R 29E, T 30S, MDB&M (APN 101-040-019) As described in that certain recorded instrument No. 123, Recorded June 29, 2001, Book 123, Page 111, San Luis Obispo County Recorder.

1 Scott S. Slater (State Bar No. 117317)
 Robert J. Saperstein (State Bar No. 166051)
 2 Stephanie Osler Hastings (State Bar No. 186716)
 HATCH & PARENT, A LAW CORPORATION
 3 21 E. Carrillo Street
 Santa Barbara, CA 93101
 4 Telephone No.: (805) 963-7000
 Facsimile No.: (805) 965-4333

5 Attorneys for Defendants, Cross-Complainants and Cross-Defendants
 6 SOUTHERN CALIFORNIA WATER COMPANY, RURAL
 WATER COMPANY and OAK- GLEN PARTNERSHIP

8 **SUPERIOR COURT OF THE STATE OF CALIFORNIA**
 9 **COUNTY OF SANTA CLARA**

11 SANTA MARIA VALLEY WATER)
 12 CONSERVATION DISTRICT, a public entity,))
 13 Plaintiff,)
 14 v.)
 15 CITY OF SANTA MARIA, etc., et al.,)
 16 Defendants.)

**SANTA MARIA GROUNDWATER
 LITIGATION**
LEAD CASE NO. CV 770214
(CONSOLIDATED FOR ALL PURPOSES)
 [Consolidated with Case Nos.:
 CV 784900 CV 784921 CV 784926
 CV 785509 CV 785511 CV 785515
 CV 785522 CV 785936 CV 786971
 CV 787150 CV 787151 CV 787152
 CV 790597 CV 790599 CV 036410

17 AND RELATED CROSS-ACTIONS AND) San Luis Obispo County Superior Court Case
 18 ACTIONS CONSOLIDATED FOR ALL) Nos. 990738 and 990739]
 19 PURPOSES)
 [Assigned to Judge Jack Komar for All
 Purposes]

21 **NOTICE OF AVAILABILITY**

22 Pursuant to the Court's Order dated June 28, 2000, the following documents were posted onto
 23 the complex litigation website of the Santa Clara County Superior Court (www.sccomplex.org):

- 24 • Stipulation (June 30, 2005 Version)
- 25 • Amendments to Stipulated Posted on June 23, 2005

26 The above-named documents were posted on June 30, 2005, at approximately 4:30 p.m. on
 27 behalf of Hatch & Parent, attorneys of record for Southern California Water Company, Rural Water
 28 Company and Oak-Glen Partnership in the above-referenced case. The documents are available for

HATCH AND PARENT
 21 East Carrillo Street
 Santa Barbara, CA 93101

1 viewing on the website at any time.

2 This Notice of Availability has been faxed or mailed, depending on each party's elected
3 method of service, to all parties on the Service List.

4 I declare under penalty of perjury under the laws of the State of California that the above is
5 true and correct. Executed on June 30, 2005, at Santa Barbara, California.

6

7

Gina Lane

Gina Lane

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

HATCH AND PARENT
21 East Carrillo Street
Santa Barbara, CA 93101

Exhibit 1A

Parties to Settlement Stipulation, Dated June 30, 2005

Note: Exhibit 1A lists all parties to the Settlement Stipulation, including parties whose rights in and to the Basin are not based on land ownership. The overlying parcels identified in the exhibit were provided by the signatories to the Settlement Stipulation at the date of signing, but may not include all parcels currently owned, or that may be owned, by the Stipulating Parties. The Settlement Stipulation states that all "Stipulating Parties" agree that all property owned by them within the Basin is subject to this Stipulation and the judgment to be entered based upon the terms and conditions of this Stipulation." (Stipulation, June 30, 2005, ¶ H.)

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
A. F. & C. A. Fugler, Inc., a corporation		101-040-017 129-020-030 129-170-006	Unable to locate Unable to locate 1931-010189 (SB)
Abel, Marilee	Franklin, Donna M. Franklin, Douglas Franklin, Paul Giacomini Ranch Weldon, Olga Weldon, Richard Weldon, Steve Weldon, Tony	117-121-026	Unable to locate
Acquistapace Ranches (owned by Robert E. and Wanda Acquistapace)		129-170-033	Unable to locate
Acquistapace, Carolyn	Acquistapace, Leo Easton, Linda	128-092-003 133-070-025	1996-019643 (SB) 1995-037341 (SB)

¹ Property in the County of Santa Barbara is indicated by "(SB)"; property in the County of San Luis Obispo is indicated by "(SLO)". Deed reference numbers that include the letter "I" are internal unpublished San Luis Obispo county documents.

December 21, 2007

Exhibit 1A
Page 1 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Acquistapace, James S.		113-100-017 113-100-024 129-020-031 129-020-032	1994-089679 (SB) 1994-089679 (SB) 1988-070219 (SB) 1988-070219 (SB)
Acquistapace, James S.		129-170-033	2001-0009719 (SB)
Acquistapace, Leo	Acquistapace, Carolyn Easton, Linda	128-092-003 133-070-025	1996-019643 (SB) 1995-037341 (SB)
Adam, Andrew M.		117-160-008 117-160-023	1997-027880 (SB) 1997-027880 (SB)
Adam, Charles W.	Adam, Cindy	117-160-024	2005-064116 (SB)
Adam, Cindy	Adam, Charles	117-160-024	2005-064116 (SB)
Adam, John M.	Adam, Sandra L.	129-240-005	99-016766 (SB)
Adam, Sandra L.	Adam, John M.	129-240-005	99-016766 (SB)
Adam, William P., III		113-120-007 113-120-009	1991-003946 (SB) 1991-003946 (SB)
Adamo, Goetano David, Trust		129-151-045	2002-113936 (SB)
Adamo, Goetano David, Trust		129-151-042	2005-044203 (SB)
Adcock, Lawrence	Siepiela, Dianne Chan, Foo Kheong Chan, Terry Kwan Yu	091-161-051	2002-019093 (SLO)
Adcock, Lawrence	Siepiela, Dianne Chan, Fook Kheong Chan, Terry Kwan Yu	091-161-049	2002-019094 (SLO)
Aera Energy LLC		101-040-006 (undivided 2.38% interest only)	2006-0050572 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Aera Energy LLC		101-040-005 (undivided 50% interest only) 101-040-011 (undivided 50% interest only) 101-040-012	1999-028094 (SB) 1999-028094 (SB) 2002-030515 (SB)
Aera Energy LLC		101-040-013 (undivided 75.72% interest only) 101-040-014 101-040-019 101-040-020 101-050-013 101-070-007	1986-017045 (SB) 1986-017045 (SB) 1985-067788 (SB) 1985-067788 (SB) 1985-067788 (SB) 1985-067788 (SB)
Aera Energy LLC		101-050-042	1986-017040 (SB)
Aera Energy LLC		101-050-014 129-210-017	Unable to locate 2005-020701 (SB)
Aerostar Properties		111-231-001	2005-0068330 (SB)
Agland Venture Cap Group, Inc.		113-210-013 113-210-004	1998-054349 (SB) 1998-054349 (SB)
Alexi Realty, Inc. as successor in interest to Greka AM, Inc., Saba Petroleum, Inc., and Saba Realty, Inc.		129-170-034 129-180-005 129-170-022 129-180-003 129-180-004 113-150-019 113-150-020	2002-067774 (SB) 2002-067775 (SB) 2002-067776 (SB) 2002-067778 (SB) 2002-067782 (SB) 2002-067783 (SB) 2002-067783 (SB)

December 21, 2007

Exhibit 1A
Page 3 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Alexi Realty, Inc. as successor in interest to Greka AM, Inc., Saba Petroleum, Inc., and Saba Realty, Inc.		101-030-016 101-040-007 101-040-008 101-060-046 101-060-052 117-310-002	2006-029525 (SB) 2006-029525 (SB) 2006-029525 (SB) 2006-029525 (SB) 2006-029525 (SB) Unable to locate
Allen, Carol	Lanini, Stella Lanini, Roland Hart, Arletta Lanini, Peggy Vreeland, Kathleen	113-040-003	2006-0083748 (SB)
Allen, Carol	Lanini, Stella Lanini, Roland Hart, Arletta Lanini, Peggy Vreeland, Kathleen	113-949-003	Unable to locate
Amarillas, Ernest		091-181-001	1991-011267 (SLO)
Amon, Jack R.		129-151-043	98-087188 (SLO)
Anderson, Martha, Trustee		091-261-014	2007021455 (SLO)
Anderson, Richard P.	Shell, Sharon	090-321-033	1994-058614 (SLO)
Andrews, George H.	Andrews, Susan L. Andrews, George and Susan Family Trust	075-271-014	2006-035527 (SLO)
Andrews, George and Susan, Family Trust	Andrews, Susan L. Andrews, George H.	075-271-014	2006-035527 (SLO)
Andrews, Susan L.	Andrews, George H. Andrews, George and Susan Family Trust	075-271-014	2006-035527 (SLO)
Apodaca, Mary	Apodaca, David	075-291-028 075-291-029	2004-I-002328 (SLO) 2004-I-002328 (SLO)
Apodaca, David	Apodaca, Mary E.	075-291-002	1998-070797 (SLO)

December 21, 2007

Exhibit 1A
Page 4 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Apodaca, David	Apodaca, Mary	075-291-028 075-291-029	2004-I-002328 (SLO) 2004-I-002328 (SLO)
Apodaca, Johnny E.		075-251-018	2000-R-018797 (SLO)
Apodaca, Mary E.	Apodaca, David M.	075-291-002	1998-070797 (SLO)
Apple, Mannelta R., Tre		092-154-026	1989-56123 (SLO)
Arco Environmental Remediation, LLC		113-250-008 113-280-005 113-280-006 113-250-007 113-280-002 113-280-003	97-031687 (SB) 97-031687 (SB) 97-031687 (SB) 97-031687 (SB) 97-031687 (SB) 97-031687 (SB)
Ardantz Properties		113-090-012	2003-0011803 (SB)
Ardantz Properties		113-090-011 113-090-012 113-110-008 113-110-009 113-110-010 113-110-011	Unable to locate 2006-0015419 (SB) 2002-067783 (SB) 1991-003946 (SB) Unable to locate Unable to locate
Arroyo Grande District Cemetery		077-111-065	1980-33480 (SLO)
Arroyo Grande District Cemetery		075-051-006	1999-025463 (SLO)
Arroyo Grande, City of		007-492-007 006-085-023 006-085-024 006-085-025 006-085-026 006-095-013 006-153-011 006-161-020	065222 (SLO) 1974-24393 (SLO) 1973-27271 (SLO) 1973-27271 (SLO) 1973-27271 (SLO) 1970-31275 (SLO) 1989-I-002971 (SLO) 1989-I-002970 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		006-391-033	1974-37341 (SLO)
		006-442-021	1960-16969 (SLO)
		006-444-011	1975-09448 (SLO)
		006-445-026	1975-12493 (SLO)
		007-011-003	1937-931 (SLO)
		007-011-044	1991-7845 (SLO)
		007-014-053	1988-I-003767 (SLO)
		007-031-002	1984-I-001072 (SLO)
		007-041-007	1984-I-001073 (SLO)
		007-041-020	1984-I-001074 (SLO)
		007-061-010	1984-I-001075 (SLO)
		007-181-002	1960-16970 (SLO)
		007-182-001	1984-I-001076 (SLO)
		007-183-008	1973-24987 (SLO)
		007-183-009	1973-24987 (SLO)
		007-183-010	1973-24987 (SLO)
		007-191-041	1984-I-001077 (SLO)
		007-191-042	1984-I-001078 (SLO)
		007-192-026	1984-I-001079 (SLO)
		007-192-062	1968-4121 (SLO)
		007-192-065	1984-I-001080 (SLO)
		007-211-009	1984-I-001081 (SLO)
		007-211-041	1980-54349 (SLO)
		007-263-031	1940-03293 (SLO)
		007-483-034	1991-I-000336 (SLO)
		007-491-013	1980-23060 (SLO)
		007-491-024	1975-39951 (SLO)
		007-491-040	1980-R-C23060 (SLO)
		007-491-041	1980-R-C23060 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		007-491-042	1980-R-C23060 (SLO)
		007-491-048	1983-19441 (SLO)
		007-492-004	1968-23987 (SLO)
		007-492-008	1985-061092 (SLO)
		007-492-009	1985-R-061092 (SLO)
		007-492-010	1979-56966 (SLO)
		007-492-012	1986-R-024576 (SLO)
		007-492-014	1985-056149 (SLO)
		007-492-015	1985-056149 (SLO)
		007-501-024	1972-38916 (SLO)
		007-501-033	1984-I-001084 (SLO)
		007-511-026	1984-I-001086 (SLO)
		007-571-010	1984-I-001093 (SLO)
		007-595-006	1966-20801 (SLO)
		007-611-016	1982-R-C08080 (SLO)
		007-761-025	1984-I-001096 (SLO)
		007-762-024	1976-42344 (SLO)
		007-771-059	1990-67354 (SLO)
		007-784-069	2003-I-0000 90 (SLO)
		007-786-039	1994-057326 (SLO)
		007-787-012	2001-I-000360 (SLO)
		007-791-003	1970-03773 (SLO)
		007-821-068	1984-I-001098 (SLO)
		007-821-069	1984-I-001099 (SLO)
		007-861-001	1984-I-001100 (SLO)
		007-890-043	2001-I-000361 (SLO)
		077-061-016	1946-12297 (SLO)
		077-121-004	1984-I-004593 (SLO)
		077-122-030	2000-I-000423 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		077-131-018 077-252-084	1970-06317 (SLO) 1989-I-003878 (SLO)
Askeland, Clark		075-241-022 075-241-023	1986-079592 (SLO) 1986-079592 (SLO)
Avelino, Francis	Avelino, James	091-053-020	1994-I-000692 (SLO)
Avelino, James	Avelino, Francis	091-053-020	1994-I-000692 (SLO)
Aviation Way, LLC		111-292-021	1998-012728 (SB)
Avila, Randy		091-131-038 091-131-037 091-131-042	2002-070298 (SLO) 2001-055280 (SLO) 2001-000907 (SLO)
Banke, Barbara R.	Jackson, Jess S.	133-070-032	1999-0061496 (SB)
Banks, Estate of Edward F.		090-281-002 090-281-005	79512 (SLO) 79512 (SLO)
Barr, James L.		092-161-026	2007-R-012625
Barr, Susan K.		092-161-026	2007-R-012625
Bartelotte Gardner, Patricia		Not provided	
Bartleson Family Trust Dated 9-12-79		091-011-013	1993-038978 (SLO)
Bartleson Family Trust Dated 9-12-79		075-102-001	2004113336 (SLO)
Bartleson Family Trust Dated 9-12-79		047-311-008 075-091-002 075-101-001 075-102-003 091-020-001 091-053-017	1996-058036 (SLO) 1996-058036 (SLO) 1996-058036 (SLO) 2004-I-000285 (SLO) 1996-058036 (SLO) 1996-058035 (SLO)

December 21, 2007

Exhibit 1A
Page 8 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Basin Investments, LLC		129-120-004 129-120-014 129-120-015 129-170-025	2004-069624 (SB) 2004-069624 (SB) 2004-069624 (SB) 2004-069624 (SB)
Basin Investments, LLC		129-170-028 129-170-027	2007-0011710 (SB) 2007-0011710 (SB)
Basin Investments, LLC		129-120-026	2007-0011710 (SB)
Battles, Glenn E.	Battles, James G. Battles, Myron G. Jordan, Barbara J.	128-092-006 128-092-007 128-093-011	2005-059182 (SB) 2006-049978 (SB) 2006-049978 (SB)
Battles, James G.	Battles, Glenn E. Battles, Myron G. Jordan, Barbara J.	128-092-006 128-092-007 128-093-011	2005-059182 (SB) 2006-049978 (SB) 2006-049978 (SB)
Battles, Myron G.	Battles, James G. Battles, Glenn E. Jordan, Barbara J.	128-092-006 128-092-007 128-093-011	2005-059182 (SB) 2006-049978 (SB) 2006-049978 (SB)
Battles, Thelma Louise		128-093-010	2006-049978 (SB)
BC Systems, Inc.		092-051-022	2006-I-002572 (SLO)
Beazer Materials & Services, Inc. aka Beazer East, Inc.		129-110-016	1989-018298 (SB)
Beazer Materials & Services, Inc. aka Beazer East, Inc.		129-011-013 129-011-014 129-011-015 129-011-016 129-011-017 129-011-018 129-011-024 129-021-026	1981-3727 (SB) 2001-0002246 (SB) 2001-0002246 (SB) 1989-018298 (SB) 1989-018295 (SB) 1989-018298 (SB) 1992-079347 (SB) 1992-079347 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Bello, Gail, individually and as Trustee of the Bello Family Trust		Not provided	
Ben, Penelope	Ben, Philip	075-221-005	67178 (SLO)
Ben, Philip	Ben, Penelope	075-221-005	67178 (SLO)
Berry, Cheri A.	Berry, Michael	091-261-015	1986-034383 (SLO)
Berry, Michael	Berry, Cheri A.	091-261-015	1986-034383 (SLO)
Bettencourt, Catherine	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-079	2005-032962 (SLO))
Bettencourt, Catherine	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)
Bettencourt, Catherine	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-064	2005-016471 (SLO) 2004-R-096188 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Bettencourt, Catherine	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO)
Bettencourt, Catrina	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catherine Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-079	2005-032962 (SLO)
Bettencourt, Catrina	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catherine Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Bettencourt, Catrina	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catherine Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-064	2005-016471 (SLO) 2004-R-096188 (SLO)
Bettencourt, Catrina	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catherine Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO) 2004-R-096188 (SLO)
Bettencourt, James III	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, Catherine Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Bettencourt, James III	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, Catherine Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-064	2005-016471 (SLO) 2004-R-096188 (SLO)
Bettencourt, James III	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, Catherine Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO) 2004-R-096188 (SLO)
Bettencourt, James III	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, Catherine Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-079	2005-032962 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Bettencourt, James Jr.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, Catherine Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)
Bettencourt, James Jr.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, Catherine Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-064	2005-16471 (SLO) 2004-R-096188 (SLO)
Bettencourt, James Jr.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, Catherine Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO) 2004-R-096188 (SLO)

December 21, 2007

Exhibit 1A
Page 14 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Bettencourt, James Jr.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, Catherine Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-079	2005-032962 (SLO)
Betteravia Farms		117-820-018 113-100-014	2004-117758 (SB) 2004-117759 (SB)
Betteravia Properties		113-250-001	2004-037276 (SB)
Betteravia Properties		113-100-020 113-120-019 113-130-007 113-140-004 113-250-005 113-240-002 113-240-009 128-101-013 128-101-014 129-080-007 129-080-011	1995-017981 (SB) 1995-017981 (SB) 1995-017981 (SB) 1995-017981 (SB) 1995-017981 (SB) 1995-017981 (SB) 1995-017981 (SB) 1999-055318 (SB) 1999-055318 (SB) 1995-017981 (SB) 1995-017981 (SB)
Bibles, Mrs.	Bibles, Ben	129-240-001	2002-067768 (SB)
Bibles, Ben	Bibles, Mrs.	129-240-001	2002-067768 (SB)
Biely, Carla L.	Biely, Charles S.	129-240-030	2002-020652 (SB)
Biely, Charles S.	Biely, Carla L.	129-240-030	2002-020652 (SB)
Biorn, Geraldine M.		090-301-058	1996-024440 (SLO) 2006-R-021956 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		090-341-033	2006-R-021956 (SLO)
Black Lake Canyon Water		091-101-029	1997-R-006683 (SLO)
Black Lake Management Association		091-243-044	2002024450 (SLO)
			2002-R-024450 (SLO)
		091-244-020	1999-058797 (SLO)
		091-411-022	1999-058797 (SLO)
		091-411-023	1999-058797 (SLO)
		091-411-024	1999-058797 (SLO)
		091-411-025	1985-013808 (SLO)
		091-412-022	1985-013808 (SLO)
		091-413-050	1985-013808 (SLO)
		091-414-032	1996-045890 (SLO)
		091-440-014	1996-045890 (SLO)
		091-441-025	1996-045890 (SLO)
		091-443-018	1999-058797 (SLO)
		091-445-033	1999-058797 (SLO)
		091-445-034	Unable to locate
		091-446-032	Unable to locate
Black Road Investments		117-190-018	1981-041630 (SB)
		117-190-019	1981-041630 (SB)
		117-190-020	1981-041630 (SB)
Black Road Investments		117-820-023	1981-041630 (SB)
		117-820-024	1981-041630 (SB)
		117-820-025	1981-041630 (SB)
Blake, Robert	Miller, Carol	091-063-026	2007-002859 (SLO)
Blakey, Ronald J.	Blakey, Sylvia L.	091-131-027	1992-087688 (SLO)
Blakey, Ronald J.	Blakey, Sylvia L.	091-131-026	1990-033249 (SLO)
			1992-087687 (SLO)
Blakey, Sylvia L.	Blakey, Ronald J.	091-131-027	1992-087688 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Blakey, Sylvia L.	Blakey, Ronald J.	091-131-026	1990-033249 (SLO) 1992-087687 (SLO)
Bognuda, Billy D.	Bognuda, Livio	117-820-012 117-820-013	2002-135890 (SB) 2002-135890 (SB)
Bognuda, Billy D.	Bognuda, Livio	113-250-011 113-280-004 117-820-009 117-820-011	1976-005694 (SB) 1976-005694 (SB) Unable to locate Unable to locate
Bognuda, Billy D.	Bognuda, Livio	117-820-010	2005-0095197 (SB)
Bognuda, Geraldine	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Dutra, Maria C.	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Bognuda, Lisa Souza	Bognuda, Ray Alan	129-151-035	2000-0032018 (SB)

December 21, 2007

Exhibit 1A
Page 17 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Bognuda, Livio	Bognuda, Billy D.	117-820-012 117-820-013	2002-135890 (SB) 2002-135890 (SB)
Bognuda, Livio	Bognuda, Billy D.	117-820-010	2005-0095197 (SB)
Bognuda, Livio	Bognuda, Billy D.	113-250-011 113-280-004 117-820-009 117-820-011	1976-005694 (SB) 1976-005694 (SB) Unable to locate Unable to locate
Bognuda, Ray Alan	Bognuda, Lisa Souza	129-151-035	2000-0032018 (SB)
Bolton Family Trust		Not provided	
Bonetti, Richard	Bonetti-Arellanes Properties	111-240-001 113-240-006	2004-0113773 (SB)
Bonetti-Arellanes Properties	Bonetti, Richard	111-240-001 113-240-006	2004-0113773 (SB) 2004-0113773 (SB)
Bonney, Beverly L.	Bonney, Timothy D. and Bonney, Beverly L.	101-020-076	98-088433 (SB)
Bonney, Timothy D.	Bonney, Timothy D. and Bonney, Beverly L..	101-020-076	98-088433 (SB)
Borel Private Bank & Trust Co., as Trustee for the Jean LeRoy Trust		092-051-007 092-051-010	2006-024587 (SLO) 2006-R-024588 (SLO)
Borel Private Bank & Trust Co., as Trustee for the Jean LeRoy Trust		113-050-006 113-050-059 113-050-060 113-090-001 113-090-002	1997-065687 (SB) 1997-065687 (SB) 1997-065687 (SB) 065691 (SB) 065691 (SB)
Borel Private Bank & Trust Co., as Trustee for the Jean LeRoy Trust		091-061-001 092-031-013	Unable to locate Unable to locate
Borel Private Bank & Trust Co., as Trustee for the Jean LeRoy Trust		113-030-003	2006-0094759 (SB) 2006-024588 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Boster, DeEtta, Trustee		117-020-056 117-160-043 117-160-045	2005-013857 (SB) 2005-013857 (SB) 2005-013857 (SB)
Bouma, John		091-073-005	2000-054207 (SLO) 1999-I-002773 (SLO) 2000-054208 (SLO)
Bove, Robert A.	Dahmen, Doug	129-240-032	1990-046565 (SB)
Bowser Investments	Cossa Family Ltd. Partnership, a limited partnership Bowser, Marian	090-401-033 090-401-034	1995-019848 (SLO) 2004-078219 (SLO) 2004-078219 (SLO) 1995-019847 (SLO)
Bowser Investments	Cossa Family Ltd. Partnership, a limited partnership Bowser, Marian	090-401-033	1995-019848 (SLO)
Bowser, Marian	Cossa Family Ltd. Partnership, a limited partnership Bowser Investments	090-401-033 090-401-034	1995-019848 (SLO) 2004-078219 (SLO) 1995-019847 (SLO)
Bowser, Marian	Cossa Family Ltd. Partnership, a limited partnership Bowser Investments	090-401-033	1995-019848 (SLO)
Bowser, Marian	Cossa Family Ltd. Partnership, a limited partnership Bowser Investments	090-401-034	2004-078219 (SLO) 1995-019847 (SLO)
Boyd, Patricia Jean		128-100-002 128-100-004	2006-0039019 (SB) 2006-0039019 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Brackett, Ruth and Jack, Co-Trustees of the Brackett Family Trust		091-341-049	7726 (SLO)
Bradley Land Company		117-020-016	2003-079651 (SB)
Bradley Land Company		128-091-001 128-128-002 129-010-001 129-010-008 129-010-011 129-010-012 129-010-013 129-020-015	Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate
Bradshaw, Herman and Shirley Family Trust Dated 10/16/87		091-063-027	2000-I-002014 (SLO)
Brandt, Diane E.		091-054-025	2001-027867 (SLO)
Brandt, Marcus C.		091-054-025	2001-027867 (SLO)
Brenner, Merritt	Perez, Shirley A. Brenner, Nancy Bryden, James Pinoli, Mary S.	117-180-021 117-180-002 117-170-013 117-170-014	2002-076787 (SB) 2002-076787 (SB) 2002-076787 (SB) 2002-076787 (SB)
Brenner, Nancy	Perez, Shirley A. Brenner, Merritt Bryden, James Pinoli, Mary S.	117-180-021 117-180-002 117-170-013 117-170-014	2002-076787 (SB) 2002-076787 (SB) 2002-076787 (SB) 2002-076787 (SB)
Brown, Audrey		091-201-056 091-201-058	1996-011406 (SLO) Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Bryden, James	Perez, Shirley A. Brenner, Merritt Brenner, Nancy Pinoli, Mary S.	117-180-021 117-180-002 117-170-013 117-170-014	2002-0076787 (SB) 2002-0076787 (SB) 2002-0076787 (SB) 2002-0076787 (SB)
Bryden, James M.	Pinoli, Mary S.	091-053-021	2005-026215 (SLO)
Buckley, Patrick D.	Buckley, Rachel	115-020-036	2006-0075642 (SB)
Buckley, Rachel	Buckley, Patrick D.	115-020-036	2006-0075642 (SB)
Bunk, John E., Trustee of the John E. and JoAnne Bunk Revocable Trust		128-100-007	2005-0094203
Burinda, Gus Joseph		128-002-020	2001-0057265 (SB)
Burinda, Gus Joseph		129-151-040	94-019554 (SB)
Burke, Mary	Burke, Ronald B. Espinola, Robert J.	129-020-005	91-079104 (SB)
Burke, Ronald B.	Burke, Mary Espinola, Robert J.	129-020-005	91-079104 (SB)
C. Sanchez & Son, Inc.		090-341-030 090-401-001 090-401-020 090-401-021	1986-067446 (SLO) 1986-067446 (SLO) 1986-067446 (SLO) 1986-067446 (SLO)
C. Sanchez & Son, Inc.		128-002-021	2007-0033025 (SB)
Calderon, Douglas F.		128-099-006	2001-0030360 (SB)
Callender Water Company		091-153-012	2005-065121 (SLO)
Callender Water Company		091-153-005	2005-061586 (SLO)
Callender Water Company		091-153-018	2005-071233 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Callender Water Company		091-153-006 091-153-011 091-153-013 091-153-014 091-153-015 091-153-016	2005-R-059824 (SLO) 2005-R-065117 (SLO) 2005-R-056396 (SLO) 2005-R-071622 (SLO) 2005-R-057921 (SLO) 2005-R-062380 (SLO)
Callender Water Company		091-153-019	2005076025 (SLO)
Cambero, Victor M.		090-321-018	1986-053004 (SLO)
Cameroni Moretti, Paola	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Cameroni Moretti, Paola	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea	113-110-001	1991-009647 (SB) 2007-038481 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
	Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina		
Cameroni Moretti, Paola	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-240-001 113-240-010 117-240-006	2007-038481 (SB) 2007-038481 (SB) Unable to locate
Campobasso, Laura A.	Dragna, James Joseph	101-070-050	2000-0060801 (SB)
Canada, Richard, Trustee	Neill, Michael Hobbs, William, Trustee Hobbs, Wilma, Trustee	091-301-004 091-301-017 091-301-041	1994-R-030904 (SLO) 1968-13700 (SLO) 1994-033232 (SLO) 2004-108562 (SLO) 2005-I-003788 (SLO)
Canada, Richard, Trustee	Neill, Michael Hobbs, William, Trustee Hobbs, Wilma, Trustee	092-221-002	2004-R-099014 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Canada, Richard, Trustee	Neill, Michael Hobbs, William, Trustee Hobbs, Wilma, Trustee	092-221-003	2004-R-070893 (SLO)
Cantin Land & Oil Development Company		129-180-015	2004-005106 (SB)
Cantor, Nick	Cantor, Veronica	129-240-008	2006-0036340 (SB)
Cantor, Veronica	Cantor, Nick	129-240-008	2006-0036340 (SB)
Cardenas, Alberto, individually and as Trustee of the Alberto and Delfina Cardenas Trust	Cardenas, Delfina, individually and as Trustee of the Alberto and Delfina Cardenas Trust	090-321-023	26871 (SLO)
Cardenas, Alberto, individually and as Trustee of the Alberto and Delfina Cardenas Trust	Cardenas, Delfina, individually and as Trustee of the Alberto and Delfina Cardenas Trust	090-283-029	2003-142270 (SLO)
Cardenas, Alberto, individually and as Trustee of the Alberto and Delfina Cardenas Trust	Cardenas, Joaquin Cardenas, Luz Elena	091-181-024	2004-101529 (SLO)
Cardenas, Delfina, individually and as Trustee of the Alberto and Delfina Cardenas Trust	Cardenas, Alberto, individually and as Trustee of the Alberto and Delfina Cardenas Trust	090-321-023	26871 (SLO)
Cardenas, Delfina, individually and as Trustee of the Alberto and Delfina Cardenas Trust	Cardenas, Alberto, individually and as Trustee of the Alberto and Delfina Cardenas Trust	090-283-029	2003-142270 (SLO)
Cardenas, Graciela, individually and as Trustee of the Juan and Graciela Cardenas Trust	Cardenas, Juan, individually and as Trustee of the Juan and Graciela Cardenas Trust	090-321-016 090-321-021	2001-012621 (SLO) 50302 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Cardenas, Joaquin	Cardenas, Alberto, individually and as Trustee of the Alberto and Delfina Cardenas Trust Cardenas, Luz Elena	091-181-024	2004-101529 (SLO)
Cardenas, Juan, individually and as Trustee of the Juan and Graciela Cardenas Trust	Cardenas, Graciela, individually and as Trustee of the Juan and Graciela Cardenas Trust	090-321-016 090-321-021	2001-012621 (SLO) 50302 (SLO)
Cardenas, Luz Elena	Cardenas, Alberto, individually and as Trustee of the Alberto and Delfina Cardenas Trust Cardenas, Joaquin	091-181-024	2004-101529 (SLO)
Cardoza, Pat L.	Cardoza, Victoria L.	061-161-008	2001-010805 (SLO)
Cardoza, Victoria L.	Cardoza, Pat L.	061-161-008	2001-010805 (SLO)
Caritas Corp.		075-032-008	2001-020377 (SLO)
Caroni, Donald J.	Caroni, Shella L.	091-111-015	74211 (SLO)
Caroni, Shella L.	Caroni, Donald J.	091-111-015	74211 (SLO)
Carroll, Betty A.		075-291-005	2003-127622 (SLO)
Carroll, Betty A.		075-241-003	2001-030848 (SLO)
Carter, Barbara J.	Carter, Bruce T.	129-010-027	81-14010 (SB)
Carter, Bruce T.	Carter, Barbara J.	129-010-027	81-14010 (SB)
Central California Conference Association of Seventh-Day Adventists		128-015-080	99-011960 (SB)
Central California Conference Association of Seventh-Day Adventists		090-281-024 117-330-055	1988-23484 (SLO) 1965-040534 (SB)
Central California Conference Association of Seventh-Day		107-022-007	95-057025 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Adventists			
Central Coast Water Authority		N/A	N/A
Chadwick, William H.		075-181-034	1988-I-001069 (SLO)
Chambers, Clara M.	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Dutra, Maria C. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Chan, Fook Kheong	Siepiela, Dianne Adcock, Lawrence David Chan, Terry Kwan Yu	091-161-051	2002-019093 (SLO)
Chan, Fook Kheong	Adcock, Lawrence Siepiela, Dianne	091-161-049	2002-019094 (SLO)

December 21, 2007

Exhibit 1A
Page 26 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Chan, Fook Kheong	Adcock, Lawrence Siepiela, Dianne Chan, Terry Kwan Yu 128-090-056 co-owned with Chan, Terry Kwanyu	128-090-056	1995-034057 (SB)
Chan, Terry Kwan Yu	Siepiela, Dianne Chan, Fook Kheong Adcock, Lawrence David	091-161-051	2002-019093 (SLO)
Chan, Terry Kwan Yu	Adcock, Lawrence Siepiela, Dianne Chan, Fook Kheong 128-090-056 co-owned with Chan, Fook Kheong	128-090-056	1995-034057 (SB)
Chan, Terry Kwan Yu	Adcock, Lawrence Siepiela, Dianne	091-161-049	2002-019094 (SLO)
Chavez Trust	Chavez, Consuelo Chavez, Luis Gutierrez, Angelica Gutierrez, Victor	090-281-018	1999-085391 (SLO)
Chavez, Alicia	Chavez, Miguel	090-281-022	1999-026844
Chavez, Consuelo	Chavez, Luis Chavez Trust Gutierrez, Angelica Gutierrez, Victor	090-281-018	1999-085391 (SLO)
Chavez, Luis	Chavez, Consuelo Chavez Trust Gutierrez, Angelica Gutierrez, Victor	090-281-018	1999-085391 (SLO)
Chavez, Miguel	Chavez, Alicia	090-281-022	1999-026844
Chevron U.S.A. Inc.		101-040-009 101-070-003 101-070-001	2004-0021297 (SB) 2004-0021297 (SB) 2004-0021297 (SB)

December 21, 2007

Exhibit 1A
Page 27 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Chevron U.S.A. Inc.		101-030-003	2005-0101710 (SB)
		101-030-012	2005-0101710 (SB)
		101-060-048	2005-0101710 (SB)
		101-080-032	2005-0101710 (SB)
		101-080-033	2005-0101710 (SB)
		101-080-040	2005-0101710 (SB)
		101-080-041	2005-0101710 (SB)
		101-080-014	2005-0101710 (SB)
		101-030-010	2006-0036407 (SB) 2005-0101710 (SB)
		101-030-013	2006-0036407 (SB) 2005-0101710 (SB)
		101-030-014	2006-0036407 (SB) 2005-0101710 (SB)
		101-060-002	2006-0036407 (SB) 2005-0101710 (SB)
		129-170-012	2005-0101710 (SB)
129-170-015	2005-0101710 (SB)		
Chevron U.S.A. Inc.		101-070-002	1996-032224 (SB)
		101-060-054	1998-027011 (SB)
		101-060-057	1998-027012 (SB)
Chevron U.S.A. Inc.		101-040-018	2005-101710 (SB)
		101-060-053	1984-010866 (SB)
Cisneros, Juan		129-010-035	2006-016298 (SB)

December 21, 2007

Exhibit 1A
Page 28 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Clancy, Bette L.	Clancy, Tammra Clancy, Robert Madden, Keith	090-321-014	2006-020981 (SLO)
Clancy, Robert	Clancy, Bette L. Clancy, Tammra Madden, Keith	090-321-014	2006-020981 (SLO)
Clancy, Tammra	Clancy, Bette L. Clancy, Robert Madden, Keith	090-321-014	2006-020981 (SLO)
Clarence Minetti Partnership	Minetti & Maretti Ranch Company	092-041-009 092-041-010 113-020-016 113-020-018 113-020-019	1975-14282 (SLO) 1989-57797 (SLO) 1975-014596 (SB) 1975-014596 (SB) 1975-014596 (SB)
Clendenen, James A.		129-210-001	2006-0000639 (SB)
Clyatt, Rose Marie	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Souza, Ronald Karleskint Family Trust Dated 1992 Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Souza, Lucille Gabel, Mary Jo	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)
Coastal Phoenix, Inc.		075-011-023 075-011-028	Unable to locate Unable to locate
Cochran, Burt	Cochran, Carmonde	075-221-006	2000-034311 (SLO)
Cochran, Carmonde	Cochran, Burt	075-221-006	2000-034311 (SLO)
Cole, Oliver, Trustee		075-203-023	Unable to locate

December 21, 2007

Exhibit 1A
Page 29 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Colli, Dean, Trustee		128-100-015 128-100-019 126-100-016	2003-171682 (SB) 2003-171682 (SB) 2003-171682 (SB)
ConocoPhillips, Successor by Merger to the Interests of the Phillips Petroleum Company, Conoco Inc. and Tosco Corporation		128-098-005 092-411-005	2002-032600 (SB) 2004-I-002946 (SLO)
ConocoPhillips, Successor by Merger to the Interests of the Phillips Petroleum Company, Conoco Inc. and Tosco Corporation		091-192-034 092-391-020 092-391-021 092-391-025 092-391-034 092-401-005 092-401-011 092-401-012 092-401-013 101-070-021 128-098-005 (undivided 50% interest only) 091-141-062	2004-I-002946 (SLO) 2004-I-002946 (SLO) 2004-I-002946 (SLO) 2004-I-00066 (SLO) 2004-I-002946 (SLO) 2004-I-002946 (SLO) 2004-I-002946 (SLO) 2004-I-00066 (SLO) 2004-I-002946 (SLO) 2004-I-00066 (SLO) 2004-I-002946 (SLO) Unable to locate 2002-032600 (SB) Unable to locate
Conventual Franciscans, Inc.		091-053-031 091-053-032	1994-I-000705 (SLO) 1994-I-000706 (SLO)
Conway, Bruce E.		101-030-019	2002-0042092 (SB)
Conway, Bruce E.		101-030-006	1981-7668 (SB)
Cooper, Gail K.	Cooper, Howard L.	129-240-003	1975-019476 (SB)
Cooper, Howard L.	Cooper, Gail K.	129-240-003	1975-019476 (SB)
Cooper, Janice F.	Wineman, Dean A.	128-092-002 128-092-001	2003-071627 (SB) 2003-071627 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Cooper, Janice F. Trustees of the Frances Cooper Trust		090-181-001 090-051-040 090-211-001	Unable to locate Unable to locate Unable to locate
Cossa Family Ltd. Partnership, a limited partnership	Bowser, Marian Bowser Investments	090-401-031	72691 (SLO)
Cossa Family Ltd. Partnership, a limited partnership		090-401-002	1995-030640 (SB)
Cossa Family Ltd. Partnership, a limited partnership	Bowser, Marian Bowser Investments	090-401-011	1993-036121 (SLO) 1995-019846 (SLO)
Cossa Family Ltd. Partnership, a limited partnership	Bowser, Marian Bowser Investments	090-401-033	1995-019848 (SLO) 2004-R-078219 (SLO) 1993-R-036121 (SLO) 2005-R-057759 (SLO) 1996-R-009398 (SLO)
Cossa Family Ltd. Partnership, a limited partnership	Bowser, Marian Bowser Investments	090-401-032 090-401-034	2004-R-078219 (SLO) 1993-R-036121 (SLO) 2005-R-057759 (SLO) 1996-R-009398 (SLO) 1996-R-003069 (SLO) 2004-R-078219 (SLO) 1993-R-036121 (SLO) 1996-R-009398 (SLO) 2005-R-057759 (SLO) 1996-R-009398 (SLO)
Cossa, Anthony W., Trustee, T.A. Cossa Family Trust		117-020-077	1982-034815 (SB)
Costa, May		101-050-005 101-050-046	2002-046313 (SB) 1998-094663 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Cotti, Nicola	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Cotti, Nicola	Moretti, Peter M. Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Cotti, Rossella	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Cotti, Rossella	Moretti, Peter M. Cotti, Nicola Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate
Cottonwood Canyon Vineyard		129-020-012	95-068430 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Cox, Charles E.	Rikalo, May J. Coy, Jean Cox, Richard	129-010-019	2000-0050936 (SB)
Cox, Richard	Rikalo, May J. Coy, Jean Cox, Charles E.	129-010-019	2000-0050936 (SB)
Coy, Billy	Rikalo, May J. Coy, Jean Cox, Charles E. Cox, Richard	129-010-019	2000-0050936 (SB)
Coy, Jean	Rikalo, May J. Coy, Billy Cox, Charles E. Cox, Richard	129-010-019	2000-0050936 (SB)
Craig, Kenneth M., Family Trust		091-181-052	2007-008206 (SLO)
Craig, Kenneth M., Family Trust		091-181-031	1999-038382 (SLO)
Craig, Kenneth M., Family Trust		075-232-032	2000-I-002218 (SLO)
Credit Suisse Leasing 92A, L.P.		Not provided	
Crettenand Moretti, Isabella	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Favre Moretti, Christina	113-080-006	1991-009647 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Crettenand Moretti, Isabella	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Favre Moretti, Christina	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate
Criswell, Donald R., individually and as Trustee of the Criswell Trust dated 5-3-96	Criswell, Jane W., individually and as trustee	091-311-020	1996-025421 (SLO)
Criswell, Jane W. individually and as Trustee of the Criswell Trust dated 5-3-96	Criswell, Donald R., individually and as trustee	091-311-020	1996-025421 (SLO)
Cullivan, Janet	Sutti, Emilio Edward, Trust	113-210-008 113-210-014 113-210-016 113-240-014	1998-054348 (SB) 1998-054348 (SB) 1998-054348 (SB) 1998-054348 (SB)
Cullivan, Janet	Sutti, Emilio Edward, Trust	111-240-029	1998-028024 (SB)
Curtiss-Johnson Properties, LLC		092-221-004 092-221-005 092-221-006 092-221-007	2000-024434 (SLO) 2000-024434 (SLO) 2000-024434 (SLO) 2000-024434 (SLO)
Cypress Ridge Golf Course, LLC		075-351-022	2003-034314 (SLO)

December 21, 2007

Exhibit 1A
Page 35 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Cypress Ridge Golf Course, LLC		075-400-001	2000-044200 (SLO)
		075-400-002	2000-044200 (SLO)
		075-400-003	2000-044200 (SLO)
		075-400-004	2000-044200 (SLO)
		075-400-005	2000-044200 (SLO)
		075-400-006	2000-044200 (SLO)
		075-400-007	2000-044200 (SLO)
		075-400-008	2000-044200 (SLO)
		075-400-009	2000-044200 (SLO)
		075-400-010	2000-044200 (SLO)
		075-400-011	2000-044200 (SLO)
		075-400-012	2000-044200 (SLO)
		075-400-013	2000-044200 (SLO)
		075-400-014	2000-044200 (SLO)
		075-401-001	2000-044200 (SLO)
		075-401-005	2000-044200 (SLO)
		075-402-001	2000-044200 (SLO)
		075-402-002	2000-044200 (SLO)
		075-403-035	2000-044200 (SLO)
		075-403-037	2000-044200 (SLO)
		075-353-024	2000-044200 (SLO)
		075-351-028	2000-044200 (SLO)
		075-353-011	2000-044200 (SLO)
		075-353-012	2000-044200 (SLO)
		075-353-013	2000-044200 (SLO)
		075-353-014	2000-044200 (SLO)
075-353-015	2000-044200 (SLO)		
075-353-016	2000-044200 (SLO)		
075-353-017	2000-044200 (SLO)		
075-353-018	2000-044200 (SLO)		
075-353-019	2000-044200 (SLO)		
075-353-020	2000-044200 (SLO)		
075-353-021	2000-044200 (SLO)		
075-353-022	2000-044200 (SLO)		
075-353-023	2000-044200 (SLO)		

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Cypress Ridge, L.P.		075-351-028	2003-045836 (SLO)
Dahmen, Doug	Bove, Robert A.	129-240-032	2003-0086511 (SB)
Dale, Marcia J., individually and as Trustee of the Marcia Dale Trust		091-081-023 091-240-041	2001-045739 (SLO) 2001-045737 (SLO)
Dalton, George	Dalton, Iva	091-351-007	2005-091036 (SLO)
Dalton, Iva	Dalton, George	091-351-007	2005-091036 (SLO)
Dana Properties	Dana, W.G., Trust Dana, Earl, Trust Dana, Ernest, Trust Martin, Gwendolyn Marsalek, Velma Ruiz, Eileen and Doty, Maurice, Trustees	090-051-012 090-051-013 090-111-003 090-151-005 090-151-009 090-151-013	1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO)
Dana Properties	various	090-031-003 090-031-004 092-191-001	50412 (SLO) 50412 (SLO) 1997-R-063108 (SLO)
Dana, Earl, Trust	Dana Properties Dana, W.G., Trust Dana, Ernest, Trust Martin, Gwendolyn Marsalek, Velma Ruiz, Eileen and Doty, Maurice, Trustees	090-051-012 090-051-013 090-111-003 090-151-005 090-151-009 090-151-013	1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO)
Dana, Earl, Trust	various	090-031-003 090-031-004 092-191-001	50412 (SLO) 50412 (SLO) 1997-R-063108 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Dana, Ernest, Trust	Dana Properties Dana, W.G., Trust Dana, Earl, Trust Martin, Gwendolyn Marsalek, Velma Ruiz, Eileen and Doty, Maurice, Trustees	090-051-012 090-051-013 090-111-003 090-151-005 090-151-009 090-151-013	1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO)
Dana, Ernest, Trust	various	090-031-003 090-031-004 092-191-001	50412 (SLO) 50412 (SLO) 1997-R-063108 (SLO)
Dana, W.G., Trust	Dana Properties Dana, Earl, Trust Dana, Ernest, Trust Martin, Gwendolyn Marsalek, Velma Ruiz, Eileen and Doty, Maurice, Trustees	090-051-012 090-051-013 090-111-003 090-151-005 090-151-009 090-151-013	1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO)
Dana, W.G., Trust	Dana Properties Dana, Earl, Trust Dana, Ernest, Trust Martin, Gwendolyn Marsalek, Velma Ruiz, Eileen and Doty, Maurice, Trustees	090-031-003 090-031-004 092-191-001	50412 (SLO) 50412 (SLO) 1997-R-063108 (SLO)
Daniels, Dennis		Not provided	
Daniels, Shirley		Not provided	
Daniels, Mark E.		Not provided	
DeBernardi Family	DeBernardi, Edward DeBernardi, Robert Rose, Helen	128-094-012 128-094-045 128-094-047	2006-074155 (SB) 2005-009460 (SB) 2001-089893 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
DeBernardi, Edward	DeBernardi Family DeBernardi, Robert Rose, Helen	128-094-042	2003-029362 (SB) 2005-0009460 (SB)
		128-094-048	2003-029362 (SB) 2005-0009460 (SB)
DeBernardi, Edward	DeBernardi, Robert DeBernardi Family Rose, Helen	128-094-012	2006-074155 (SB)
		128-094-045	2005-009460 (SB)
		128-094-047	2001-089893 (SB)
DeBernardi, Robert	DeBernardi Family DeBernardi, Edward	128-094-042	2003-029362 (SB) 2005-0009460 (SB)
		128-094-048	2003-029362 (SB) 2005-0009460 (SB)
DeBernardi, Robert	DeBernardi Family DeBernardi, Edward Rose, Helen	128-094-012	2006-074155 (SB)
		128-094-045	2005-009460 (SB)
		128-094-047	2001-089893 (SB)
			2006-074155 (SB)
Dechert, Dennis L.	Dechert, Louise Gr	075-101-002	35565 (SLO)
Dechert, Louise Gr	Dechert, Dennis L.	075-101-002	35565 (SLO)
Deeds, John		091-181-050	2001-R-039058 (SLO)
DeGasparis, Ernest, Trustee	Grisingher, Elaine, as Successor Trustee	115-020-011	Unable to locate
Degroot, Henri		075-041-004	1998-083660 (SLO)
Deputy, Kathryn J.	Deputy, William J.	101-070-029	1990-023698 (SB)
Deputy, William J.	Deputy, Kathryn J.	101-070-029	1990-023698 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Deutsche Bank National Trust Company (formerly known as Bankers Trust Company of California, N.A.), as successor Trustee under Declaration of Trust of Eugene Rene LeRoy dated October 30, 1981, as amended March 9, 1984 and clarified by Agreement dated May 3, 1984		113-060-001 (undivided 50% interest only)	1994-019658 (SB)
		113-060-002 (undivided 50% interest only)	1994-019658 (SB)
		113-060-003 (undivided 50% interest only)	1994-019658 (SB)
		113-060-004 (undivided 50% interest only)	1994-019658 (SB)
		113-060-005 (undivided 50% interest only)	1994-019658 (SB)
		113-060-006 (undivided 50% interest only)	1994-019658 (SB)
		113-060-007 (undivided 50% interest only)	1994-019658 (SB)
		113-060-008 (undivided 50% interest only)	1994-019658 (SB)
		113-060-009 (undivided 50% interest only)	1994-019658 (SB)
		113-060-010 (undivided 50% interest only)	1994-019658 (SB)
	December 21, 2007		
		113-160-001 (undivided 50%	

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Deutsche Bank National Trust Company (formerly known as Bankers Trust Company of California, N.A.), as successor Trustee under Declaration of Trust of Eugene Rene LeRoy dated October 30, 1981, as amended March 9, 1984 and clarified by Agreement dated May 3, 1984		092-051-007 092-051-010 113-160-001 (undivided 50% interest only) 113-160-002 (undivided 50% interest only) 113-160-003 (undivided 50% interest only)	2006-024587 (SLO) 2006-R-024588 (SLO) 1994-019658 (SB) 94-019658 94-019658
Deutsche Bank National Trust Company (formerly known as Bankers Trust Company of California, N.A.), as successor Trustee under Declaration of Trust of Eugene Rene LeRoy dated October 30, 1981, as amended March 9, 1984 and clarified by Agreement dated May 3, 1984		113-020-007 (undivided 50% interest only) 113-020-008 (undivided 50% interest only) 113-170-001 (undivided 50% interest only) 113-170-002 (undivided 50% interest only)	1994-019658 (SB) 1994-019658 (SB) 1994-019658 (SB) 1994-019658 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Deutsche Bank National Trust Company (formerly known as Bankers Trust Company of California, N.A.), as successor Trustee under Declaration of Trust of Eugene Rene LeRoy dated October 30, 1981, as amended March 9, 1984 and clarified by Agreement dated May 3, 1984		092-021-013 092-031-007 092-051-012 092-061-008	1994-R-014922 (SLO) 1994-R-014922 (SLO) 1994-R-014922 (SLO) 2006-R-024590 (SLO)
Deutsche Bank National Trust Company (formerly known as Bankers Trust Company of California, N.A.), as successor Trustee under Declaration of Trust of Eugene Rene LeRoy dated October 30, 1981, as amended March 9, 1984 and clarified by Agreement dated May 3, 1984		113-020-001 113-120-008 112-030-003	2002-0064280 (SB) 2002-0064280 (SB) 2002-0064280 (SB)
Deutsche Bank National Trust Company (formerly known as Bankers Trust Company of California, N.A.), as successor Trustee under Declaration of Trust of Eugene Rene LeRoy dated October 30, 1981, as amended March 9, 1984 and clarified by Agreement dated May 3, 1984		113-040-015 113-050-037 113-050-038 113-050-049 113-050-050 113-050-062 113-050-063 113-110-002	1994-019654 (SB) 1994-019654 (SB) 1994-019654 (SB) 1994-019654 (SB) 1994-019654 (SB) 1994-019654 (SB) 1995-010550 (SB) 1994-019657 (SB)
Diamond, Rose Mary	Diamond, Victor A.	129-020-008 129-020-009	1989-031848 (SB) 2004-005533 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Diamond, Victor A.	Diamond, Rose Mary	129-020-008 129-020-009	1989-031848 (SB) 2004-005533 (SB)
Diani, A.J. Family Trust		117-191-012	2005-0105201 (SB)
Dias, Mabel L.		092-211-003 092-211-010	1981-52366 (SLO) 1981-53950 (SLO)
Dierberg Four Ltd. Ptnsp.		129-180-034	1996-032648 (SB)
Dierberg Four Ltd. Ptnsp.		129-180-023	1997-027733 (SB)
DMA Investments Ltd Ptp		091-131-004	1998-015000 (SLO)
Donner, Marianne, Donne, Trustee of the Tunnell Trust	Tunnell, Arthur Tunnell Ranch Reed, William Jr., Trustee of the E. Tunnell Trust Tunnell, Cecilia Marsalek, Joseph F.	129-100-019	2007-008204 (SB)
Donner, Marianne, Donne, Trustee of the Tunnell Trust	various	129-100-014 129-100-021	2006-0063723 (SB) 2006-0063723 (SB)
Donovan, Danny	Donovan, Marnie Donovan, Kathryn C. Donovan, John P.	129-260-030	2004-075986 (SB)
Donovan, Danny	Donovan, Marnie Donovan, Kathryn C. Donovan, John P.	129-250-004	1999-073812 (SB)
Donovan, John P.	Donovan, Marnie Donovan, Kathryn C. Donovan, Danny	129-260-030	2004-075986 (SB)
Donovan, John P.	Donovan, Marnie Donovan, Kathryn C. Donovan, Danny	129-250-004	1999-073812 (SB)
Donovan, John Jr.	Donovan, Tiffany	129-260-028	2005-078528 (SB)
Donovan, John Jr.	Donovan, Tiffany	129-260-027	1998-086464 (SB)
Donovan, Kathryn C.	Donovan, Danny Donovan, Marnie	129-260-030	2004-075986 (SB)

December 21, 2007

Exhibit 1A
Page 43 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Donovan, John P.		
Donovan, Kathryn C.	Donovan, Danny Donovan, Marnie Donovan, John P.	129-250-004	1999-073812 (SB)
Donovan, Kathryn W.		113-070-012 113-070-013 113-100-003 113-100-004	2003-025318 (SB) 2003-025318 (SB) 2003-025318 (SB) 2003-025318 (SB)
Donovan, Kathryn W.		113-070-007 113-070-008 113-070-009	1962-006961 (SB) 1962-006961 (SB) 1962-006961 (SB)
Donovan, Kathryn W.		113-100-001	1996-060610 (SB)
Donovan, Marnie	Donovan, Danny Donovan, Kathryn C. Donovan, John P.	129-260-030	2004-075986 (SB)
Donovan, Marnie	Donovan, Danny Donovan, Kathryn C. Donovan, John P.	129-250-004	1999-073812 (SB)
Donovan, Michael		129-260-009	2005-078528 (SB)
Donovan, Tiffany	Donovan, John Jr.	129-260-028	2005-078528 (SB)
Donovan, Tiffany	Donovan, John Jr.	129-260-027	1998-086464 (SB)
Donovan, Virginia, Trust		117-030-021 117-030-060	2003-150209 (SB) 2003-150209 (SB)
Dore, LP	Wickenden Family Trust	101-050-017 101-050-016	2006-0054837 (SB) 2006-0054838 (SB)
Dore, LP	Wickenden Family Trust	133-070-030 133-070-031	2006-054839 (SB) Unable to locate
Dorris, Heidi Ann, Trustee		117-020-066 117-160-027 117-160-039	1985-017098 (SB) 1985-017098 (SB) 1985-017098 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Dragna, James Joseph	Campobasso, Laura A.	101-070-050	2000-0060801 (SB)
Duke, David	Duke, Janet	Not provided	
Duke, Janet	Duke, David	Not provided	
Duna Vista Mobile Home Park, LLC		062-151-002	19601 (SLO)
Duncan Group	Rio Vista Associates	113-030-055	2002-015812 (SB)
Dune Lakes, Ltd.		075-281-016	1977-R-C18040 (SLO)
Dune Lakes, Ltd.		075-121-002 075-121-011 075-141-001 075-141-002 075-261-001 075-261-003 075-261-005 075-281-001 075-281-037	1936-R-C03046 (SLO) 1997-I-00008 (SLO) 1936-R-C03046 (SLO) 1936-R-C03046 (SLO) 1984-I-000758 (SLO) 1984-I-000759 (SLO) 1997-I-00044 (SLO) 1955-09422 (SLO) 1993-I-001840 (SLO)
Durley, UNKNOWN FIRST NAME	Durley, Odette Durley, Katherine McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	117-030-061	2007-0037815 (SB)
Durley, Katherine P., individually and as Trustee of the Annie E. Preisker Life Estate	Durley, Odette Durley, Katherine McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	090-331-005 090-331-008 090-341-019 117-020-045 117-020-064 117-030-061	1974-09502 (SLO) 1974-09502 (SLO) 1974-09502 (SLO) 1962-022220 (SB) 1962-022220 (SB) 2007-0037815 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Durley, Katherine P., individually and as Trustee of the Annie E. Preisker Life Estate	Durley, Odette Durley, Katherine McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	117-170-050	2004-086837 (SB)
Durley, Odette	Durley, First Name Unknown Durley, Katherine McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	090-331-005 090-331-008 090-341-019 117-020-045 117-020-064	1974-09502 (SLO) 1974-09502 (SLO) 1974-09502 (SLO) 1962-022220 (SB) 1962-022220 (SB)
Durley, Odette	Durley, First Name Unknown Durley, Katherine McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	117-170-050	2004-086837 (SB)
Durley, Odette	Durley, First Name Unknown Durley, Katherine McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	117-030-061	2007-0037815 (SB)
Durocher, Francis		129-240-013	2006-045217 (SB)
Dutra Trust A & B		129-210-002 129-110-019	2001-0062971 (SB) 2001-0062970 (SB)
Dutra, Maria C.	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn	092-211-006	2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Exhibit 1A
Page 46 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-007	2005-048328 (SLO) 1992-37112 (SLO)
E & M Limited Partnership		075-181-032 075-181-035 075-181-036	2007-001757 (SLO) 2007-001757 (SLO) 2007-001757 (SLO) 1993-012584 (SLO)
E & M Limited Partnership		075-051-007 075-181-003	1993-012584 (SLO) 1993-012584 (SLO)
Eames, Donald, Trustee	Eames, Sharon, Trustee	128-100-011	2000-018353 (SB)
Eames, Sharon, Trustee	Eames, Donald, Trustee	128-100-011	2000-018353 (SB)
East Valley Farms Mutual Water Company		129-240-018	23677 (SB)
Easton, Linda	Acquistapace, Leo Acquistapace, Carolyn	128-092-003 133-070-025	1996-019643 (SB) 1995-037341 (SB)
Ed & Ida Simas LLC	Simas, Robert E. Hicks, Carolyn	128-101-015 128-101-016	2001-0001439 (SB) 2001-0001439 (SB)

December 21, 2007

Exhibit 1A
Page 47 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		128-101-017 092-061-005 092-211-002 092-211-011 092-371-001	2001-0001439 (SB) 2000-075709 (SLO) 2000-075709 (SLO) 2000-075709 (SLO) 2000-075709 (SLO)
Ed & Ida Simas LLC	Simas, Robert E. Hicks, Carolyn	117-170-022 117-170-023	2003-018943 (SB) 2003-018943 (SB)
Edwards, Doug		128-100-033	2002-0084952 (SB)
El Capitan Investments		117-490-051	1986-088497 (SB)
Ealand, Jason W.	Ealand, Tara A.	101-070-063	2005-0021694 (SB)
Ealand, Tara A.	Ealand, Jason W.	101-070-063	2005-0021694 (SB)
Eckles Lorenz, Valerie	Sarad, John Gabbert, Sean, Administrator for the Estate of John S. Gabbert Gabbert, Steve Gabbert, Thomas Minnies, Nora	101-010-005 101-020-006	2006-0012214 (SB) 2006-0012214 (SB)
Elias, Cynthia	Elias, Wayne	129-240-016	2007-0008218 (SB)
Elias, Wayne	Elias, Cynthia	129-240-016	2007-0008218 (SB)
Elks Recreation of Santa Maria, Elks Lodge #1538		107-240-005 107-240-006	1995-017033 (SB) 1995-017033 (SB)
Enos Ranches, LLC		090-401-010	1998-070279 (SLO)
Enos Ranches, LLC		128-078-004 128-078-005 128-078-013	1995-012886 (SB) 1995-012886 (SB) Unable to locate
Erwin, Morris H. and Shirley H., Trustees of the Morris H. Erwin Family Trust Dated December 22, 1987		091-121-068	1998-006778 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Espinola, Robert J.	Burke, Ronald B. Burke, Mary	129-020-005	1991-079104 (SB)
Farao, Kerry	Manderscheid, Marcia Manderscheid, Richard T. Montgomery, Jody Manderscheid, Loren Manderscheid, Wendy	075-032-007	2002-064563 (SLO) 1999-R-028575 (SLO) 2003-027399 (SLO) 2000-R-019501 (SLO) 2004-019816 (SLO) 2000-R-028723 (SLO) 2000-R-012008 (SLO) 2001-R-038295 (SLO) 2000-R-027364 (SLO) 2004-019816 (SLO) 2004-R-017088 (SLO) 1994-R-069488 (SLO)
Favre Moretti, Christina	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella	113-080-006	1991-009647 (SB)

December 21, 2007

Exhibit 1A
Page 49 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Favre Moretti, Christina	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate
Ferini & Associates		111-020-011 111-030-016	1991-082227 (SB) 1991-082227 (SB)
Ferini Ranch, Inc.		113-080-023	1953-000116 (SB)
Ferini, Andre	Lenger, Jeanette F. Wineman, Ernest, Jr. Wineman, Chris	113-040-011	2007-0021952 (SB)
Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92	Ferrari, Roy Ferrari, Carol Jones, Jeanette F.	113-020-005	2005-0122629 (SB)
Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92	Ferrari, Roy Ferrari, Carol Jones, Jeanette F.	092-031-011	1993-019672 (SLO)
Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92	Ferrari, Roy Ferrari, Carol Jones, Jeanette F.	092-031-042	Unable to locate
Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92	Ferrari, Roy Ferrari, Carol Jones, Jeanette F.	101-050-031	1992-054487 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Ferrari, Carol	Ferrari, Roy Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F.	092-031-011	1993-019672 (SLO)
Ferrari, Carol	Ferrari, Roy Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F.	092-031-042	Unable to locate
Ferrari, Carol	Ferrari, Roy Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F.	101-050-031	1992-054487 (SB)
Ferrari, Carol	Ferrari, Roy Morganti, June Morganti, Ellen W.	113-020-005	2005-0122629 (SB)
Ferrari, Glenda Rae	Ferrari, Ronald Joseph	129-240-021	2005-0081836 (SB)
Ferrari, Oscar, Trust		101-050-032	2002-110323 (SB)
Ferrari, Ronald Joseph	Ferrari, Glenda Rae	129-240-021	2005-081836 (SB)
Ferrari, Roy	Ferrari, Carol Morganti, June Morganti, Ellen W.	113-020-005	2005-0122629 (SB)
Ferrari, Roy	Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F.	092-031-011	1993-019672 (SLO)

December 21, 2007

Exhibit 1A
Page 51 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Ferrari, Roy	Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F.	092-031-042 101-050-031	Unable to locate 1992-054487 (SB)
Fesler, Leta Mae, Individually and as Trustee of Family Trust		129-260-004	2000-004113 (SB)
First Assembly of God		109-200-020	1965-031174 (SB)
First Christian Church of Santa Maria		128-066-050	Unable to locate
Five Cø Ranch, Inc.		117-020-069 117-020-078	2002-0059104 (SB) 2002-0059104 (SB)
Fleming, Cindy	Ruffoni, Jacqueline Ruffoni, Michael Ruffoni, Todd	111-240-018 111-240-027	2003-079323 (SB) 2003-079323 (SB)
Fletcher, Lon	Fletcher, Ruth	129-240-012	1992-063520 (SB)
Fletcher, Ruth	Fletcher, Lon	129-240-012	1992-063520 (SB)
Flood Ranch Company		133-010-014 101-050-008 129-220-049 133-010-015 133-040-011 133-070-027	1980-38957 (SB) 1980-38957 (SB) 1980-38957 (SB) 1980-38957 (SB) 1980-38957 (SB) 1980-08957 (SB)
Foat, Steven J.		075-291-024	1987-R-002328 (SLO)
Ford, Lois A.		090-281-014	1999-012889 (SLO)
Fossaceca, Bethleen	Fossaceca, Samuel A.	075-241-013	1997-020249 (SLO)
Fossaceca, Samuel A.	Fossaceca, Bethleen	075-241-013	1997-020249 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Fox, Homer J. and Dorlace R., Trustees of the Homer J. Fox and Dorlance R. Fox Revocable Living Trust dated 9-21-1999		090-341-039	2001-050751 (SLO)
Franklin, Donna M.	Abel, Marilee Franklin, Douglas Franklin, Paul Giacomini Ranch Weldon, Olga Weldon, Richard Weldon, Steve Weldon, Tony	117-121-026	Unable to locate
Franklin, Douglas	Abel, Marilee Franklin, Donna M. Franklin, Paul Giacomini Ranch Weldon, Olga Weldon, Richard Weldon, Steve Weldon, Tony	117-121-026	Unable to locate
Franklin, Paul	Abel, Marilee Franklin, Donna M. Franklin, Douglas Giacomini Ranch Weldon, Olga Weldon, Richard Weldon, Steve Weldon, Tony	117-121-026	Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Fratello, Frances, Trustee of the Fratello Family Trust	Wilson, Susan M. Bettencourt, Catherine Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-079	2005-032962 (SLO)
Fratello, Frances, Trustee of the Fratello Family Trust	Wilson, Susan M. Bettencourt, Catherine Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)
Fratello, Frances, Trustee of the Fratello Family Trust	Wilson, Susan M. Bettencourt, Catherine Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO) 2004-R-096188 (SLO)
Fratello, Frances, Trustee of the Fratello Family Trust	Wilson, Susan M. Bettencourt, Catherine Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-064	2005-016471 (SLO) 2004-R-096188 (SLO)
Frederick, Jacqueline	Frederick, W. Gary	090-031-026	2005-007861 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Frederick, W. Gary	Frederick, Jacqueline	090-031-026	2005-007861 (SLO)
Friedl, Marianne		113-270-017	2002-080674 (SB)
Friedl, Marianne		101-030-004	1999-096583 (SB)
Fugate Trust		090-051-034	266 (SLO)
Fukuhara Farms, Inc.		075-031-016	1956-15614 (SLO)
Fulton, Robert E. Jr.		101-300-001 101-300-002 101-300-003 101-300-004	2004-065628 (SB) 2004-065628 (SB) 2004-065628 (SB) 2004-065628 (SB)
Furber, Scott	Furber, Victoria	129-151-050	2007-0044381 (SB)
Furber, Victoria	Furber, Scott	129-151-050	2007-0044381 (SB)
G Manni Ranch, LLC		113-120-024	2002-0126656 (SB)
Gabbert, Sean, Administrator for the Estate of John S. Gabbert	Sarad, John Eckles Lorenz, Valerie Gabbert, Steve Gabbert, Thomas Minnies, Nora	101-010-005 101-020-006	2006-0012214 (SB) 2006-0012214 (SB)
Gabbert, Steve	Sarad, John Eckles Lorenz, Valerie Gabbert, Sean, Administrator for the Estate of John S. Gabbert Gabbert, Thomas Minnies, Nora	101-010-005 101-020-006	2006-0012214 (SB) 2006-0012214 (SB)
Gabbert, Thomas	Sarad, John Eckles Lorenz, Valerie Gabbert, Steve Gabbert, Sean, Administrator for the Estate of John S. Gabbert Minnies, Nora	101-010-005 101-020-006	2006-0012214 (SB) 2006-0012214 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Gabel, Mary Jo	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Souza, Lucille Karleskint Family Trust Dated 1992 Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Souza, Ronald	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)
Gallo, Dana A.		128-100-009	1994-012036 (SB)
Gamble, Ruthanne	Maretti, Mark Maretti, R. Charles	117-240-028	2007-0048952 (SB)
Gamble, Ruthanne	Maretti, Mark Maretti, R. Charles	113-030-001 117-330-018	1995-006618 (SB) Unable to locate
Gar Bar, Inc.		075-031-002 075-031-003 075-031-006	1993-056289 (SLO) 1993-056289 (SLO) 1993-056289 (SLO)
Gar Bar, Inc.		075-071-004 075-071-005 075-071-006 075-071-007 075-071-008 075-071-009 075-071-010 075-071-011 075-071-012 075-071-013 075-071-014	1993-056289 (SLO) 1993-056289 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		075-071-015 075-071-016 075-071-017 075-141-003 091-053-023 091-053-024 091-053-025	2000-I-000732 (SLO) 2000-I-000732 (SLO) 2000-I-000732 (SLO) 1990-002595 (SLO) 2000-I-000732 (SLO) 1994-I-000697 (SLO) 1994-I-000698 (SLO) 1994-I-000699 (SLO)
Garcia, Delfina	Garcia, Jesse	101-050-037	2002-0036887 (SB)
Garcia, Jesse	Garcia, Delfina	101-050-037	2002-0036887 (SB)
Gardner, James		129-100-035	1992-094556 (SB)
Gardner, James and Cleta Trust		129-100-034	1992-094556 (SB)
Garvin, Jack		129-010-022	2002-094630 (SB)
Gascho, Gale E. and Della, Trustees of the Gascho Family Trust		091-011-055	2001-039270 (SLO)
George, Wallace and Audrey E., Trustees		077-223-043 077-181-048 090-131-002 090-141-003 062-123-031 077-201-013 077-204-028	77533 (SLO) Unable to locate Unable to locate Unable to locate 1996-066268 (SLO) 1998-084745 (SLO) Unable to locate
Giacomini Ranch	Abel, Marilee Franklin, Donna M. Franklin, Douglas Franklin, Paul Weldon, Olga Weldon, Richard Weldon, Steve Weldon, Tony	117-121-026	Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Gibbons, Christina	Serpa Ranch Machado, Manuel Dutra, Maria C. Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Gilder, Dolores	Gilder, James, Trust Lanini, Eloise Lanini, Roland Ware, Roxanne	091-201-054 091-201-055	2003-144070 (SLO) 1996-046106 (SLO)
Gilder, James, individually and as trustee	Gilder, Dolores Lanini, Eloise Lanini, Roland Ware, Roxanne	091-201-054 091-201-055	2003-144070 (SLO) 1996-046106 (SLO)
Gin, Marvin S.	Gin, May Y.	090-281-013	2006-010044 (SLO)
Gin, May Y.	Gin, Marvin S.	090-281-013	2006-010044 (SLO)
Goldberg, Joseph S.		092-371-019 092-371-013	Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		117-020-074	2003-0151286 (SB)
Golden State Water Company (formerly appearing as "Southern California Water Company")		092-111-023	1984-I-005637 (SLO)
		092-111-025	1984-I-005638 (SLO)
		092-111-026	1984-I-005639 (SLO)
		092-473-008	1995-I-000134 (SLO)
		092-561-034	1988-R-03351 (SLO)
		101-010-012	78-37939 (SB)
		103-021-008	78-37929 (SB)
		103-041-002	78-37929 (SB)
		103-164-009	78-37929 (SB)
		103-200-045	78-37929 (SB)
		103-231-017	78-37929 (SB)
		103-311-009	78-37929 (SB)
		103-361-012	78-37929 (SB)
		103-660-065	78-37929 (SB)
		107-110-029	78-37929 (SB)
		109-153-017	Unable to locate
		109-153-018	Unable to locate
		109-182-010	Unable to locate
		111-153-001	1978-037929 (SB)
		111-220-016	1978-037929 (SB)
	129-201-033	1978-037929 (SB)	
Goodchild Vineyard, LLP	Lewellen, Royce, Individually and as Trustee of the Royce Lewellen Living Trust	129-021-018	1999-060260 (SB)
		129-210-038	2000-0022830 (SB)
Goodchild, Helen	Stubblefield, Pauline T. Toy, Yolanda	105-380-033	2004-123514 (SB)
Gordon, Bruce N.	Gordon, Julie Ann	129-170-030	2003-139578 (SB)
Gordon, Julie Ann	Gordon, Bruce N.	129-170-030	2003-139578 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Gowing, Rebecca		101-070-061 101-070-057 101-070-058	2005-0118692 (SB) 2005-0118692 (SB) 2005-0118692 (SB)
Gowing, Rebecca		101-070-060	Unable to locate
Green Canyon LLC		092-031-002 113-100-026	1998-083014 (SLO) Unable to locate
Green Canyon LLC		113-100-015	1997-014753 (SB)
Greenheart Farms, Inc.		075-351-031 075-351-033 900-000-190	2000-045314 (SLO) 2000-045314 (SLO) Unable to locate
Greg Leonard Produce, Inc.		129-240-022	2005-000748 (SB)
Grisingher, Donald W.		090-171-023	1997-035028 (SLO)
Grisingher, Elaine, as Successor Trustee of the Donald Grisingher Trust	various	113-030-008 113-030-011 113-030-012 115-020-002 115-091-011 115-020-001	2004-055449 (SB) 2004-055449 (SB) 2004-055449 (SB) 2004-055449 (SB) 2004-055449 (SB) Unable to locate
Grisingher, Elaine, as Successor Trustee of the Donald Grisingher Trust	various	090-251-001 090-251-002	1997-035028 (SLO) 2001-053331 (SLO) 1997-035028 (SLO) 2001-053331 (SLO)
Grisingher, Elaine, as Successor Trustee of the Donald Grisingher Trust	various	092-153-032	1997-035028 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Grisinger, Elaine, as Successor Trustee of the Donald Grisingher Trust	various	092-153-047 092-153-048 092-171-023 113-030-008 113-030-011 113-030-012 115-020-002 115-020-011 115-091-011	Unable to locate 2006-I-002999 (SLO) 2001-053331 (SLO) 2006-I-002999 (SLO) 2000-I-000039 (SLO) Unable to locate 2004-055449 (SB) Unable to locate 2004-055449 (SB)
Grisinger, Elaine, as Successor Trustee of the Donald Grisingher Trust		113-050-012 113-050-013 113-050-046 113-050-047 113-050-054	2007-003082 (SB) 2007-003082 (SB) 2007-003082 (SB) 2007-003082 (SB) 2007-003082 (SB)
Gross, Erich		129-240-031	2003-0082051 (SB)
Grover Beach, City of		060-651-055	1997-061781 (SLO)
Grover Beach, City of		060-011-048 060-121-008 060-121-038 060-162-020 060-162-023 060-162-025 060-193-022 060-206-025 060-206-027 060-225-014 060-242-045 060-253-016 060-352-018	1989-011471 (SLO) 1987-I-002704 (SLO) 1987-I-002705 (SLO) 1997-058469 (SLO) 1997-006131 (SLO) 1997-006131 (SLO) 1995-029104 (SLO) 1996-021490 (SLO) 1996-026106 (SLO) 1998-039780 (SLO) 1990-015609 (SLO) 1984-068706 (SLO) 1997-034559 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		060-561-068 060-563-027 060-563-052 060-565-041 060-573-061	1994-I-002294 (SLO) 1997-I-000175 (SLO) 1997-I-000175 (SLO) 1998-I-000068 (SLO) 1998-I-000274 (SLO)
Gruber Family Trust		133-070-004	1998-002046 (SLO)
Guadalupe Cooling Company		092-021-046	1995-053339 (SLO)
Guadalupe, City of		115-101-011 115-113-001 115-092-012 115-101-001	2002-091077 (SB) 1993-016308 (SB) 1993-016308 (SB) 2001-0003339 (SB)
Guadalupe, City of		113-351-018 113-351-019	1985-048351 (SB) 1985-048351 (SB)
Guadalupe, City of		113-330-012	1983-044423 (SB)
Guadalupe, City of		113-030-021 113-030-051 113-330-068 115-010-019 115-020-007 115-051-007 115-061-016 115-081-005 115-081-014 115-083-002 115-101-016 115-152-013 115-180-026	1951-017397 (SB) 1999-085137 (SB) 1984-049242 (SB) 1997-068866 (SB) 1994-092833 (SB) 1994-092834 (SB) 1985-016777 (SB) Unable to locate 1967-013425 (SB) 1982-19154 (SB) 2001-0037044 (SB) 1966-035817 (SB) 1989-035732 (SB)
Guardian in Chief, Temple of the People		062-311-006 062-311-007	1988-77783 (SLO) 1988-77784 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		062-311-008 062-311-013 062-311-016 062-311-017 062-311-026 062-311-028 062-311-031 062-311-037	1988-77783 (SLO) 1988-77783 (SLO) 1988-77783 (SLO) 1988-77783 (SLO) 1988-77783 (SLO) 1988-77783 (SLO) 1988-77783 (SLO) 1988-77783 (SLO)
Guardian in Chief, Temple of the People		062-311-001	1999-007019 (SLO)
Guardian in Chief, Temple of the People		062-311-005 062-311-011 062-311-024 062-311-029 062-311-030 062-311-032 062-311-033 062-311-036 062-321-002 062-321-003 062-321-016 062-321-019 062-321-020 062-321-021 062-321-022 062-321-023 062-321-024 062-321-025 062-321-027	29251 (SLO) (SLO) 77784 (SLO) 52735 (SLO) (SLO) 77784 (SLO) 1988-3814 (SLO) (SLO) 77784 (SLO) (SLO) 77784 (SLO) (SLO) 77784 (SLO) 22716 (SLO) 1985-11142 (SLO) 2004-I-000553 (SLO) 22717 (SLO) Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		062-321-032 062-321-045 075-032-002 075-032-013 062-321-001	Unable to locate Unable to locate 22717 (SLO) 22717 (SLO) Unable to locate
Guggia Family Properties	Guggia, James	128-094-014 128-094-016 128-099-007	2004-0092457 (SB) 2004-0092457 (SB) 2004-0092457 (SB)
Guggia, James	Guggia Family Properties	128-094-014 128-094-016 128-099-007	2004-0092457 (SB) 2004-0092457 (SB) 2004-0092457 (SB)
Guiton, Glenda, owner and as ōHeirs of Harold E. Guitonō		061-161-010 061-161-011 061-161-013	Unable to locate Unable to locate Unable to locate
Gutierrez, Angelica	various	090-281-018	1999-085391 (SLO)
Gutierrez, Ramon		075-232-031	Unable to locate
Gutierrez, Victor	various	090-281-018	1999-085391 (SLO)
Halstead, Mary	Halstead, Stanley	Not provided	
Halstead, Stanley	Halstead, Mary	Not provided	
Hanson Aggregates West, Inc., successor by merger to Southern Pacific Milling Company		129-011-024 129-021-026	1992-079347 (SB) 1992-079347 (SB)
Hanson Aggregates West, Inc., successor by merger to Southern Pacific Milling Company		129-011-014 129-011-015	2001-0002246 (SB) 2001-0002246 (SB)
Hanson Aggregates West, Inc., successor by merger to Southern Pacific Milling Company		129-011-013	1981-3727 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Hanson Aggregates West, Inc., successor by merger to Southern Pacific Milling Company		129-011-016	1989-018298 (SB)
Hanson Aggregates West, Inc., successor by merger to Southern Pacific Milling Company		129-011-017	1989-018295 (SB)
Hanson Aggregates West, Inc., successor by merger to Southern Pacific Milling Company		129-011-018	1989-018298 (SB)
Harlem, Joan Thorton	Hunter, Judith	101-070-020	1992-063468 (SB)
Harney, Sally	Sutti, Lillian	111-240-028	1989-079508 (SB)
Harpstone Partnership		103-200-026	2005-0119446 (SB)
Harton, Christine	Koyama, Eiko Koyama, Steven Koyama, Wesley Gilmer, Elaine	092-031-010	1995-005296 (SLO)
Hart, Arletta	Lanini, Stella Lanini, Roland Lanini, Peggy Allen, Carol Vreeland, Kathleen	113-040-003	2006-0083748 (SB)
Hart, Arletta	Lanini, Stella Lanini, Roland Lanini, Peggy Allen, Carol Vreeland, Kathleen	113-949-003	Unable to locate
Hartnell, Penelope		101-020-018 101-020-003	2003-0119941 2004-0106748 2003-0119941 2004-0106748

December 21, 2007

Exhibit 1A
Page 65 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Hartnell, Penelope		101-020-047 101-020-048 105-140-027	2003-163556 (SB) 2002-136956 (SB) 2002-136956 (SB)
Hartnell, Penelope		105-140-086	2006-054556 (SB)
Hartnell, Penelope		101-020-002	2004-0106748
Hayashi, Haruo		075-031-004 047-161-005	21985 (SLO) Unable to locate
Hayashi, John		Not provided	
Hayashi, Robert	Pismo Oceano Vegetable Packing Exchange (POVE)	075-032-006	1993-R-034975 (SLO)
Hayashi, Robert		047-161-019 047-151-010	Unable to locate Unable to locate
Hayashi, Rose		075-031-004 047-161-005	21985 (SLO) Unable to locate
Hermreck, Andrew, Successor Trustee of the Wilma V. Hermreck Trust and Executor of the Estate of Wilma V. Hermreck, deceased	Hermreck, Susan undivided 50% interest	091-301-045	2007-005089 (SLO)
Hermreck, Karen L.	Hermreck, Randall P.	091-111-004	Unable to locate
Hermreck, Randall P.	Hermreck, Karen L.	091-111-004	Unable to locate
Hermreck, Susan	Hermreck, Andrew C.	091-301-043	2003-R-080505 (SLO)
Hernandez, Aurelio M., individually and as Trustee of the Aurelio M. and Rosa Hernandez Trust	Hernandez, Rosa Marie, individually and as Trustee of the Aurelio M. and Rosa Hernandez Trust	091-192-022	2002-020728 (SLO)
Hernandez, Jeannie		Not provided	
Hernandez, Raul		Not provided	
Hernandez, Rosa Marie,	Hernandez, Aurelio M., individually and as Trustee	091-192-022	2002-020728 (SLO)

December 21, 2007

Exhibit 1A
Page 66 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
individually and as Trustee of the Aurelio M. and Rosa Hernandez Trust	of the Aurelio M. and Rosa Hernandez Trust		
Hero, Heirs of Einar		075-291-005	2003-127622 (SLO)
Herold, George	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Herold, George	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti,	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Isabella Favre Moretti, Christina		
Herold, Maria	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Herold, Maria	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Herrera Farming Co., Inc.		128-098-036	2002-0019109 (SB)
Herrera, Elva	Herrera, Gilbert, Trustee Herrera, Gilbert	091-281-073	2000-017337 (SLO)
Herrera, Gilbert C, Trustee	Herrera, Gilbert Herrera, Elva	091-281-073	2000-R-017337 (SLO)
Herrera, Gilbert C.	Herrera, Gilbert, Trustee Herrera, Elva	091-281-073	2000-R-017337 (SLO)
Herrera, Joseph (Jose)	Herrera, Marina	091-081-060	2005-023511 (SLO)
Herrera, Marina	Herrera, Joseph (Jose)	091-081-060	2005-023511 (SLO)
Heupel, Marvin		129-210-021	Unable to locate
Hicks, Carolyn	Simas, Robert E. Ed & Ida Simas LLC	117-170-022 117-170-023	2003-018943 (SB) 2003-018943 (SB)
Hicks, Carolyn	Simas, Robert E. Ed & Ida Simas LLC	092-061-005 092-211-002 092-211-011 092-371-001	2000-075709 (SLO) 2000-075709 (SLO) 2000-075709 (SLO) 2000-075709 (SLO)
Hicks, Carolyn	Simas, Robert E. Ed & Ida Simas LLC	128-101-015 128-101-016 128-101-017	2001-0001439 (SB) 2001-0001439 (SB) 2001-0001439 (SB)
Hilliard, Don	Westphal, Carol	091-073-048	2000-007753 (SLO)
Hilton, Cora L.	Hilton, Frank D.	Not provided	
Hilton, Frank D.	Hilton, Cora L.	Not provided	
Hilton, Franklin and Cora Family Trust		075-241-029 075-241-037	2003-026445 (SLO) 2001-014363 (SLO)
Hobbs, William, Trustee	Canada, Richard, Trustee Neill, Michael Hobbs, Wilma, Trustee	092-221-003	2004-070893 (SLO)
Hobbs, William, Trustee	Canada, Richard, Trustee Neill, Michael Hobbs, Wilma, Trustee	092-221-002	2004-099014 (SLO)

December 21, 2007

Exhibit 1A
Page 69 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Hobbs, William, Trustee	Canada, Richard, Trustee Neill, Michael Hobbs, Wilma, Trustee	091-301-004 091-301-017 091-301-041	1994-030904 (SLO) 1968-R-C13700 (SLO) 1994-R-033232 (SLO) 2004-108562 (SLO) 2005-I-003788 (SLO)
Hobbs, Wilma, Trustee	Canada, Richard, Trustee Neill, Michael Hobbs, William, Trustee	092-221-003	2004-070893 (SLO)
Hobbs, Wilma, Trustee	Canada, Richard, Trustee Neill, Michael Hobbs, William, Trustee	091-301-004 091-301-017 091-301-041	1994-R-030904 (SLO) 1968-R-C13700 (SLO) 1994-R-033232 (SLO) 2004-108562 (SLO) 2005-I-003788 (SLO)
Hobbs, Wilma, Trustee	Canada, Richard, Trustee Neill, Michael Hobbs, William, Trustee	092-221-002	2004-099014 (SLO)
Holloway, Carl R.	Holloway, Debra L.	092-153-001 092-153-002 092-301-012	2007-008280 (SLO) 2007-008280 (SLO) 2007-008280 (SLO)
Holloway, Carl R.	Holloway, Debra L.	090-171-005	2007-006475 (SLO)
Holloway, Carl R.	Holloway, Debra L.	090-171-027 090-171-028 090-171-029	2007-008277 (SLO) 2007-008278 (SLO) 2007-008278 (SLO)
Holloway, Debra L.	Holloway, Carl R.	092-153-001 092-153-002 092-301-012	2007-008280 (SLO) 2007-008280 (SLO) 2007-008280 (SLO)
Holloway, Debra L.		090-171-005	2007-006475 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Holloway, Debra L.	Holloway, Carl R.	090-171-027 090-171-028 090-171-029	2007-008277 (SLO) 2007-008277 (SLO) 2007-008277 (SLO)
Hollywood, Walter, individually and as Trustee	Hollywood, Walter, Trustee	075-011-045	52021 (SLO)
Houchin, Shirley		075-251-020 075-165-036	1997-020209 (SLO) 2003-105697 (SLO)
Houston, Anthony	Smith, Elizabeth H.	105-140-084	2002-136956 (SB)
Huber Ranch Associates		075-021-013 075-021-047 075-041-022	21420 (SLO) 1997-I-003414 (SLO) Unable to locate
Hunter, Judith R.	Harlem, Joan Thorton	101-070-020	1992-063468 (SB)
Hutcherson, Carolyn		128-096-007	2003-153555 (SB)
Ibsen, Robert, individually and as President of Den-mart, Inc.		128-052-014	1995-055690 (SB)
Ikeda Brothers		075-121-006 075-131-002 075-131-003	1979-30969 (SLO) 1989-59343 (SLO) 1979-R-C30969 (SLO)
Iliff, Dale		090-021-008	2000-004493 (SLO)
Iriyama, Dan and Toshiko, Trustees of the Residual Trust of Yataro Minami	Minami, Isamu Minami, Isamu, as Trustee of the Yataro Minami Trust and executor of will of Grace Minami	113-040-001	2005-0026820 (SB)
Iriyama, Dan and Toshiko, Trustees of the Residual Trust of Yataro Minami	Minami, Isamu Minami, Isamu, as Trustee of the Yataro Minami Trust and executor of will of Grace Minami	115-020-015 115-043-002	2004-0061214 (SLO) 2004-0061214 (SLO)

December 21, 2007

Exhibit 1A
Page 71 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Iversen, Darlene		129-151-017	1991-041388 (SB)
Jackson Family Investments, LLC		129-110-006 129-110-007	2002-0031424 (SB) 2002-0031424 (SB)
Jackson Family Investments II, LLC		129-110-003 129-220-025 129-220-026 129-220-039 129-220-040 129-220-045 129-220-051 129-220-054	1999-0100402 (SB) 1999-0100399 (SB) 1999-0100399 (SB) 1999-0100399 (SB) 1999-0100399 (SB) 1999-0100399 (SB) 1999-0100399 (SB) 1999-0100399 (SB)
Jackson Family Investments III, LLC		129-220-018 129-220-029 129-220-031 129-220-032 129-220-052 129-220-053 129-220-055	2006-0071939 (SB) 2006-0071939 (SB) 2006-0071939 (SB) 2006-0071939 (SB) 2006-0071939 (SB) 2006-0071939 (SB) 2006-0071939 (SB)
Jackson, Jess S.		129-260-007	1988-051591 (SB)
Jackson, Jess S.	Banke, Barbara R.	133-070-032	1999-0061496 (SB)
Jackson, Jess S., as Lessee		129-110-025 129-050-014	2001-0114470 (SB) 2001-0114470 (SB)
Jantz, Atha, Trustee of the Jantz Family Trust dated 31 July 1986		107-240-027 107-240-028 107-249-029	1986-080195 (SB) 1986-080196 (SB) 1986-080197 (SB)
Jantzan, Eleanor, Trustee	Sellers, Robert D., Trust	091-240-044	2000-032776 (SLO) 1993-R-047368 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
JLSA Limited Partnership		129-180-011 129-180-020 129-110-020	1992-004508 (SB) 1992-004508 (SB) 1992-004508 (SB)
Johnson, Agnes A.	Johnson, Agnes, Trustee	121-101-001	1986-013022 (SB)
Johnson, Agnes A.	Johnson, Agnes, Trustee (all but 128-101-001)	128-101-001 128-094-005 128-101-020	2000-0010093 (SB) 2000-0010093 (SB) 1991-030694 (SB)
Johnson, Agnes A.	Johnson, Agnes, Trustee (all but 128-101-001)	128-094-007 128-101-021	2000-0007801 (SB) 2000-0007801 (SB)
Johnson, Agnes, Trustee of the Mortensen Trust	Johnson, Agnes A.	121-101-001	1986-013022 (SB)
Johnson, Agnes, Trustee of the Mortensen Trust		128-094-005 128-094-007 128-101-020 128-101-021	2000-010093 (SB) 1988-030441 (SB) 1991-030694 (SB) 2000-007801 (SB)
Jones, Jeanette F.	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92	092-031-011	1993-019672 (SLO)
Jones, Jeanette F.	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92	092-031-042 101-050-031	Unable to locate 1992-054487 (SB)
Jones, Jeanette F.	Ferrari, Roy Ferrari, Carol Morganti, June Morganti, Ellen W.	113-020-005	2005-0122629 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Jones, John	Roemer, Robert R. Roemer, Vard A. Jones, JoAnn Roemer	128-002-04-00-13 128-002-04-00-14 128-002-04-00-15	Unable to locate Unable to locate Unable to locate
Jordan, Barbara J.	Battles, James G. Battles, Glenn E. Battles, Myron G.	128-092-006 128-092-007 128-093-011	2005-059182 (SB) 2006-049978 (SB) 2006-049978 (SB)
Kaiser Sand & Gravel Company nka Hanson Aggregates Mid- Pacific, Inc.		129-011-014	2001-0002246 (SB)
Kaiser Sand & Gravel Company nka Hanson Aggregates Mid- Pacific, Inc.		129-011-016 129-011-013 129-011-015 129-011-017 129-011-018 129-011-024 129-021-026	1989-018298 (SB) 1981-3727 (SB) 2001-0002246 (SB) 1989-018295 (SB) 1989-018298 (SB) 1992-079347 (SB) 1992-079347 (SB)
Kaminaka, Ayako	Kaminaka, Hideo, Successor Trustee to Mikazu Kaminaka Trust Kanda, Helen, Trustee of the Kanda Trust Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Kaminaka, Joseph Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Murata, Shizuko	091-232-036	2006-042536 (SLO) 2006-042533 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Kanda, Helen, Trustee of the Kanda Trust	Kaminaka, Ayako Kanda, Helen, Trustee of the Kanda Trust Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Kaminaka, Joseph Kanda, Harry K. Murata, Shizuko Kaminaka, Hideo, Successor Trustee to Mikazu Kaminaka Trust	091-232-036	2006-042536 (SLO) 2006-042533 (SLO)
Kaminaka, Hideo, Successor Trustee to Mikazu Kaminaka Trust	Kaminaka, Ayako Kanda, Helen, Trustee of the Kanda Trust Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Kaminaka, Joseph Kanda, Harry K. Murata, Shizuko	091-232-036	2006-042536 (SLO) 2006-042533 (SLO)
Kaminaka, Joseph	Kaminaka, Ayako Kanda, Helen, Trustee of the Kanda Trust Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Kaminaka, Joseph Kanda, Harry K. Murata, Shizuko Kaminaka, Hideo, Successor Trustee to Mikazu Kaminaka Trust	091-232-036	2006-042536 (SLO) 2006-042533 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust	Kaminaka, Ayako Kanda, Helen, Trustee of the Kanda Trust Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Kaminaka, Joseph Kanda, Harry K. Murata, Shizuko	091-232-036	2006-042536 (SLO) 2006-042533 (SLO)
Kanda, Harry K.	Kaminaka, Ayako Kanda, Helen, Trustee of the Kanda Trust Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Kaminaka, Joseph Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Murata, Shizuko	091-232-036	2006-042536 (SLO) 2006-042533 (SLO)
Karleskint Family Trust Dated 1992	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Souza, Lucille Souza, Ronald Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Karleskint, Elizabeth Anne, Trust	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Souza, Lucille Souza, Ronald Signorelli, Bernice, Trust Karleskint Family Trust Dated 1992 Souza, Ronald Clyatt, Rose Marie Gabel, Mary Jo	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)
Killgore, Christina A.	Killgore, Roy E.	092-231-003	1973-26674 (SLO)
Killgore, Roy E.	Killgore, Christina A.	092-231-003	1973-26674 (SLO)
King, Christina		075-181-025	1998-033914 (SLO)
King, Robert M.		075-181-025	1998-033914 (SLO)
King, Robert M.		075-211-014	2002-070853 (SLO)
Kirchoff, Margaret		129-151-046 129-151-048	2006-0080050 (SB) 2002-0035251 (SB)
Knollwood Properties		107-150-017 107-240-024	2000-0001031 (SB) 2000-0001031 (SB)
Kobara, Ken and Marci Family Trust		075-031-007	25781 (SLO)
Koyama, Eiko	Koyama, Steven Koyama, Wesley Harton, Christine Gilmer, Elaine	092-031-010	1995-005296 (SLO)
Koyama, Steven	Koyama, Eiko Koyama, Wesley Harton, Christine Gilmer, Elaine	092-031-010	1995-005296 (SLO)
Koyama, Wesley	Koyama, Eiko	092-031-010	1995-005296 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Koyama, Steven Harton, Christine Gilmer, Elaine		
Kreps, Roy		091-011-008	1987-84884 (SLO)
Krouse, Darlene Virginia	Lefler, Alberta	111-030-018	2004-063635 (SB)
Krouse, Darlene Virginia	Lefler, Alberta	075-131-001	2006-091684 (SLO) 1988-005048 (SLO) 1979-R-C59712 (SLO) 1988-5047 (SLO)
Laguna County Sanitation District		103-200-024 105-060-022 113-100-026 113-200-013 113-210-015 113-240-005 113-240-011 113-240-013	1962-015011 (SB) 1962-039463 (SB) Unable to locate 1988-023697 (SB) 1988-023697 (SB) 1959-035853 (SB) 1992-070573 (SB) 1988-023697 (SB)
Laguna Negra Mutual Water Company		091-391-002	2000-058770 (SLO)
Laguna Negra Mutual Water Company		091-391-003	2006-011849 (SLO)
Laguna Negra Mutual Water Company		091-391-006	2003-082758 (SLO)
Laguna Negra Mutual Water Company		091-391-010	2003-021937 (SLO)
Laguna Negra Mutual Water Company		091-391-009	2007-013371 (SLO)
Laguna Negra Mutual Water Company		091-391-008	2003-104999 (SLO)

December 21, 2007

Exhibit 1A
Page 78 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Laguna Negra Mutual Water Company		091-391-007	2005-079679 (SLO)
Laguna Negra Mutual Water Company		091-391-017	2000-053780 (SLO)
Laguna Negra Mutual Water Company		091-391-015	2006-025250 (SLO)
Laguna Negra Mutual Water Company		091-391-022	2007-0306835 (SLO)
Laguna Negra Mutual Water Company		091-391-029	1999-03006 (SLO)
Laguna Negra Mutual Water Company		091-391-027	2004-021792 (SLO)
Laguna Negra Mutual Water Company		091-391-024	2007-016048 (SLO)
Laguna Negra Mutual Water Company		091-391-025	2006-058726 (SLO)
Laguna Negra Mutual Water Company		091-391-013	2003-122583 (SLO)
Laguna Negra Mutual Water Company		091-391-018	2003-073566 (SLO)
Laguna Negra Mutual Water Company		091-391-019	2006-026176 (SLO)
Laguna Negra Mutual Water Company		091-391-020	2007-027551 (SLO)
Laguna Negra Mutual Water Company		091-391-021	2006-053707 (SLO)
Laguna Negra Mutual Water Company		091-391-026	2005-094301 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Laguna Negra Mutual Water Company		091-391-028	2003-025900 (SLO)
Laguna Negra Mutual Water Company		091-391-012	2007-009791 (SLO)
Laguna Negra Mutual Water Company		091-391-016	2002-015015 (SLO)
Laguna Negra Mutual Water Company		091-391-001 091-391-004 091-391-005 091-391-011 091-391-014 091-391-023	Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate
Laine, Dorothy		128-064-002 128-064-005	1997-060499 (SB) 1997-060500 (SB)
Lake Marie Valley Club		129-120-025	1988-025732 (SB)
Lakota Resources		092-021-030 092-051-018 092-051-014	1991-46202 (SLO) 1991-46202 (SLO) 1991-46202 (SLO)
Lakota Resources		115-020-003 092-051-025 092-051-026 113-030-010 115-020-021	1990-080330 (SB) 2004-I-001114 (SLO) 2004-I-001114 (SLO) 1990-080330 (SB) 1990-080330 (SB)
Lan-Vest Limited	Saruwatari, Ayako Trust	075-001-022 006-311-076 006-311-074 006-341-017	Unable to locate Unable to locate Unable to locate Unable to locate
Land Conservancy		075-351-018	2002-113316 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		090-101-001	2003-062028 (SLO)
Land Conservancy		091-101-003	2002-099651 (SLO)
Land Conservancy		090-101-003	2006-R-002980 (SLO)
		091-151-004	1996-048208 (SLO)
		091-162-005	1990-054308 (SLO)
		091-173-011	1990-077405 (SLO)
		092-391-012	2000-007366 (SLO)
		092-391-033	2000-007366 (SLO)
		075-261-006	2000-007366 (SLO)
		075-301-013	1996-048208 (SLO)
		091-141-013	2000-007366 (SLO)
Landolt, Lea	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Landolt, Lea	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria	113-110-001 113-240-001 113-240-010 117-240-006	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	128-071-002	Unable to locate
Landolt-Ritter, Claudine	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Landolt-Ritter, Claudine	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
	Landolt, Lea Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina		
Landon Family Trust dated Oct. 19, 1992, Cass O. Landon and Marilyn Landon, Trustor(s) and Trustee(s)		091-261-027 091-261-028 091-126-929 091-261-005	Unable to locate Unable to locate Unable to locate 1994-043679 (SLO)
Landon Family Trust dated Oct. 19, 1992, Cass O. Landon and Marilyn Landon, Trustor(s) and Trustee(s)		091-261-026	2005-067222 (SLO)
Lanini, Eloise	Gilder, James, Trust Gilder, James Gilder, Dolores Lanini, Roland Ware, Roxanne	091-201-054 091-201-055	2003-144070 (SLO) 1996-046106 (SLO)
Lanini, Peggy	Lanini, Stella Lanini, Roland Hart, Arletta Allen, Carol Vreeland, Kathleen	113-949-003	Unable to locate
Lanini, Peggy	Lanini, Stella Lanini, Roland Hart, Arletta Allen, Carol Vreeland, Kathleen	113-040-003	2007-0054038 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Lanini, Roland	Lanini, Stella Hart, Arletta Lanini, Peggy Allen, Carol Vreeland, Kathleen	113-040-003	2007-0054038 (SB)
Lanini, Roland	Gilder, James, Trust Gilder, James Gilder, Dolores Lanini, Eloise Ware, Roxanne	091-201-054 091-201-055	2003144070 (SLO) 1996-046106 (SLO)
Lanini, Roland	Lanini, Stella Hart, Arletta Lanini, Peggy Allen, Carol Vreeland, Kathleen	113-949-003	Unable to locate
Lanini, Stella	Lanini, Roland Hart, Arletta Lanini, Peggy Allen, Carol Vreeland, Kathleen	113-949-003	Unable to locate
Lanini, Stella	Lanini, Roland Hart, Arletta Lanini, Peggy Allen, Carol Vreeland, Kathleen	113-040-003	2007-0054038 (SB)
Lasseter, James A.		129-240-007	1997-024176 (SB)
Lauer, Doris	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Exhibit 1A
Page 84 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine		
Lauer, James		Not provided	
Laursen, Dolorita, Individually and as Trustee for Earl and Dolorita Laursen Revocable Trust		091-240-017	1997-063784 (SLO)
Laursen, Dolorita, Individually and as Trustee for Earl and Dolorita Laursen Revocable Trust		091-011-058	2003-005535 (SLO)
Laursen, Earl and Dolorita, Revocable Trust	Laursen, Dolorita	091-240-017	1997-063784 (SLO)
Laursen, Earl and Dolorita, Revocable Trust	Laursen, Dolorita	091-011-058	2003-005535 (SLO)
Laverty, Ben W. III		101-070-005	2000-0052452 (SB)
Le Sage Enterprises, Inc.		060-381-012 060-381-013 910-003-997 910-004-108 910-004-305	1998-I-001296 (SLO) 1998-I-001296 (SLO) Unable to locate Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		910-004-798	Unable to locate
Lefler, Alberta	Krouse, Darlene Virginia	075-131-001	2006-091684 (SLO) 1988-5048 (SLO) 1979-R-C59712 (SLO) 1988-5047 (SLO)
Lemos, A. Michael		075-041-003	1993-031459 (SLO) 1993-033891 (SLO)
Lenger, Jeanette F.	Wineman, Ernest, Jr. Wineman, Chris Ferini, Andre	113-040-011	2007-0021952 (SB)
Lewellen, Royce, Individually and as Trustee of the Royce Lewellen Living Trust, and as President of Goodchild Vineyard, LLP	Goodchild Vineyard, LLP	129-021-018 129-210-038	1999-060260 (SB) 2000-0022830 (SB)
Linda Vista Farms, Inc.		090-291-039 090-291-040 090-291-041 090-291-042 090-291-043 090-291-044 090-291-045	2000-I-000387 (SLO) 2000-I-000387 (SLO) 2000-I-000387 (SLO) 2000-I-000387 (SLO) 2000-I-000387 (SLO) 2000-I-000387 (SLO) 2000-I-000387 (SLO)
Lindsey Ice Company, Inc.		Not provided	
LNA-LP, A Nevada Limited Partnership		101-070-069 101-050-021 101-050-027 101-050-028	2001-0086692 (SB) 2001-0086691 (SB) 2001-0086691 (SB) 2001-0086691 (SB)
Loma Verde, LLC		202-060-060	Unable to locate
Longest, Claude F.	Longest, Ruth E.	128-100-013	2005-071579 (SB)
Longest, Ruth E.	Longest, Claude F.	128-100-013	2005-071579 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Lowery, Monica	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Dutra, Maria C. Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Lucia Mar Unified School District		077-111-051	1961-27561 (SLO)
Lucia Mar Unified School District		006-095-001	1965-R-C06102 (SLO)
Lucia Mar Unified School District		060-443-011	1960-5026 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Lucia Mar Unified School District		060-652-032 075-161-012 090-081-050 090-151-013 090-151-017 092-122-059 092-162-032 060-052-032	2001-I-002051 (SLO) 1984-I-003938 (SLO) 1987-044032 (SLO) 1999-020012 (SLO) 1991-I-008228 (SLO) 2001-I-002051 (SLO) 1985-I-000914 (SLO)
Lucia Mar Unified School District		075-311-037	9468 (SLO)
Machado, Edward	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Dutra, Maria C. Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Machado, M.A. Jr.	Serpa Ranch Machado, Manuel	092-211-006	2005-048328 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Dutra, Maria C.. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-007	1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Machado, Manuel	Serpa Ranch Dutra, Maria C. Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
	Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine		
Madden, Keith	Clancy, Bette L. Clancy, Tammra Clancy, Robert	090-321-014	2006-020981 (SLO)
Madden, Virginia		129-010-034	1982-017018 (SB)
Maddux, Cheryl	Maddux, Edward	129-240-038	2001-0112381 (SB)
Maddux, Edward	Maddux, Cheryl	129-240-038	2001-0112381 (SB)
Magoria Landolt, Floridita	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Magoria Landolt, Floridita	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George	113-110-001 113-240-001 113-240-010 117-240-006	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
	Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	128-071-002	Unable to locate
Mahoney & Stewart	Stewart, Robert R. Stewart, Annette K.	092-211-009	1987-067486 (SLO)
Mahoney & Stewart	Stewart, Robert R. Stewart, Annette K.	128-093-001 128-093-021	2006-052973 (SB) 1998-071138 (SB)
Mahoney, Glenna, Trustee of the Eugene and Glenna Mahoney Trust	Mahoney, Patricia, Trust	111-030-010	1971-000185 (SB)
Mahoney, Glenna, Trustee of the Eugene and Glenna Mahoney Trust	Mahoney, Patricia, Trust	111-020-002 111-020-003 111-020-009 111-020-015 111-020-016 111-130-006 111-140-007 111-220-022	1955-009855 (SB) 1993-004481 (SB) 2006-052973 (SB) 1993-004481 (SB) 1993-004481 (SB) 1993-004481 (SB) 1993-004481 (SB) 1993-004481 (SB) 1993-004481 (SB)
Mahoney, Patricia, Trust	Mahoney, Glenna, Trustee	111-030-010	1971-000185 (SB)
Mahoney, Patricia, Trust	Mahoney, Glenna, Trustee (all but 111-020-008)	111-020-008 111-020-002 111-020-003 111-020-009 111-020-015 111-020-016	1955-009855 (SB) 1955-009855 (SB) 1993-004481 (SB) 2006-052973 (SB) 1993-004481 (SB) 1993-004481 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		111-130-006 111-140-007 111-220-022	1993-004481 (SB) 1993-004481 (SB) 1993-004481 (SB)
Mallory, Douglas Cornell	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Mallory, Philip J.	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn	092-211-006	2005-048328 (SLO) 1992-37112 (SLO)
	Mallory, Douglas Cornell Lauer, Doris Dutra, Maria C. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-007	2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Mallory, Steven G.	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Manderscheid, Loren	Manderscheid, Marcia Manderscheid, Richard T. Manderscheid, Wendy Montgomery, Jody Farao, Kerry	075-032-007	2002-064563 (SLO) 1999-R-028575 (SLO) 2003-027399 (SLO) 2000-R-019501 (SLO) 2004-019816 (SLO) 2000-R-028723 (SLO) 2000-R-012008 (SLO) 2001-R-038295 (SLO) 2000-R-027364 (SLO) 2004-019816 (SLO) 2004-R-017088 (SLO) 1994-R-069488 (SLO)
Manderscheid, Marcia	Manderscheid, Richard T. Manderscheid, Wendy Montgomery, Jody Manderscheid, Loren Farao, Kerry	075-032-007	2002-064563 (SLO) 1999-R-028575 (SLO) 2003-027399 (SLO) 2000-R-019501 (SLO) 2004-019816 (SLO) 2000-R-028723 (SLO) 2000-R-012008 (SLO) 2001-R-038295 (SLO) 2000-R-027364 (SLO) 2004-019816 (SLO) 2004-R-017088 (SLO) 1994-R-069488 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Manderscheid, Richard T.	Manderscheid, Marcia Manderscheid, Wendy Montgomery, Jody Manderscheid, Loren Farao, Kerry	075-032-007	2002-064563 (SLO) 1999-R-028575 (SLO) 2003-027399 (SLO) 2000-R-019501 (SLO) 2004-019816 (SLO) 2000-R-028723 (SLO) 2000-R-012008 (SLO) 2001-R-038295 (SLO) 2000-R-027364 (SLO) 2004-019816 (SLO) 2004-R-017088 (SLO) 1994-R-069488 (SLO)
Manderscheid, Wendy	Manderscheid, Marcia Manderscheid, Richard T. Montgomery, Jody Manderscheid, Loren Farao, Kerry	075-032-007	2002-064563 (SLO) 1999-R-028575 (SLO) 2003-027399 (SLO) 2000-R-019501 (SLO) 2004-019816 (SLO) 2000-R-028723 (SLO) 2000-R-012008 (SLO) 2001-R-038295 (SLO) 2000-R-027364 (SLO) 2004-019816 (SLO) 2004-R-017088 (SLO) 1994-R-069488 (SLO)
Marcella Vineyards		129-010-010	2003-0081390 (SB)
Maretti & Minetti Ranch Co.	Clarence Minetti Partnership	113-020-016 113-020-018 113-020-019	1975-014596 (SB) 1975-014596 (SB) 1975-014596 (SB)
Maretti & Minetti Ranch Co.		092-041-010	1989-57797 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
		092-041-009	1975-14282 (SLO)
Maretti, Mark	Gamble, Ruthanne Maretti, R. Charles	117-240-028	2007-0048952 (SB)
Maretti, Mark	Gamble, Ruthanne Maretti, R. Charles	113-030-001 117-330-018	1995-006618 (SB) Unable to locate
Maretti, R. Charles	Gamble, Ruthanne Maretti, Mark	117-240-028	2007-0048952 (SB)
Maretti, R. Charles	Gamble, Ruthanne Maretti, Mark	113-030-001 117-330-018	1995-006618 (SB) Unable to locate
Marian Medical Center		128-120-018	1987-032432 (SB)
Mariposa Real Limited Partnership		107-570-055 107-580-027 107-590-001	1998-082994 (SB) 1998-082994 (SB) 1998-082994 (SB)
Marques, Carlos, Trustee for the Marques Living Trust		091-073-022	Unable to locate
Marsalek, Bill	Marsalek, Robert and Janet Trustees of Family Trust, March 17, 2005	091-301-044	2005-024365 (SLO)
Marsalek, Cliff		091-301-044	2005-024365 (SLO)
Marsalek, Joseph F.	Tunnell, Arthur Donner, Marianne, Donne, Trustee of the Tunnell Trust Tunnell Ranch Reed, William Jr., Trustee of the E. Tunnell Trust Tunnell, Cecilia Marsalek, Joseph F.	129-100-014 129-100-021	2006-0063723 (SB) 2006-0063723 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Marsalek, Joseph F.	Tunnell, Arthur Donner, Marianne, Donne, Trustee of the Tunnell Trust Tunnell Ranch Reed, William Jr., Trustee of the E. Tunnell Trust Tunnell, Cecilia Marsalek, Joseph F.	129-100-019	2007-008204 (SB)
Marsalek, Paul	Marsalek, Robert Marsalek, Bill Marsalek, Cliff	091-301-044	2005-R-024365 (SLO)
Marsalek, Robert	Marsalek, Paul Marsalek, Bill Marsalek, Cliff	091-301-044	2005-R-024365 (SLO)
Marsalek, Velma	Dana Properties Dana, W.G., Trust Dana, Earl, Trust Dana, Ernest, Trust Martin, Gwendolyn Ruiz, Eileen Ruiz and Maurice Doty, Trustees	090-051-012 090-051-013 090-111-003 090-151-005 090-151-009 090-151-013	2003-019858 (SLO) 2003-019858 (SLO) 2003-019858 (SLO) 2003-019858 (SLO) 2003-019858 (SLO) 2003-019858 (SLO)
Marsalek, Velma	various	090-031-003 090-031-004 092-191-001	50412 (SLO) 50412 (SLO) 1997-063108 (SLO)
Martin, Gwendolyn	various	090-031-003 090-031-004 092-191-001	50412 (SLO) 50412 (SLO) 1997-R-063108 (SLO)

December 21, 2007

Exhibit 1A
Page 98 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Martin, Gwendolyn	Dana Properties	090-051-012	1979-024591 (SLO)
	Dana, W.G., Trust	090-051-013	1979-024591 (SLO)
	Dana, Earl, Trust	090-111-003	1979-024591 (SLO)
	Dana, Ernest, Trust	090-151-005	1979-024591 (SLO)
	Marsalek, Velma	090-151-009	1979-024591 (SLO)
	Ruiz, Eileen and Maurice Doty, Trustees	090-151-013	1979-024591 (SLO)
Martinez, Vincent T., Trustee of the Haslam Trust		117-020-072	1990-068735 (SB)
		113-050-057	1990-068735 (SB)
Martorano, Donald	Martorano, Shirley	091-063-040	40941 (SLO)
Martorano, Shirley	Martorano, Donald	091-063-040	40941 (SLO)
Massa Trust (õ1994 William D. Massa Revocable Trustõ)		113-080-018	2005-0085104 (SB)
Matsushita, Mrs.	Matsushita, Sam	129-240-006	1999-001215 (SB)
Matsushita, Sam	Matsushita, Mrs.	129-240-006	1999-001215 (SB)
Maulhardt Family Trust		092-211-012	1994-051884 (SLO)
Maulhardt Family Trust		092-211-013	1994-R-051884 (SLO)
McCosh, Bonnie L.		105-010-022	2002-002100 (SB)
McGee, Janice	McGee, Jerry	091-240-070	1997-069193 (SLO)
McGee, Jerry	McGee, Janice	091-240-070	1997-069193 (SLO)
McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	Durley, Odette Durley, Katherine Durley, First Name Unknown	117-030-061	2007-0037815 (SB)
McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	Durley, Odette Durley, Katherine Durley, First Name Unknown	090-331-005	1974-09502 (SLO)
		090-331-008	1974-09502 (SLO)
		090-341-019	1974-09502 (SLO)
		117-020-045	1962-022220 (SB)
		117-020-064	1962-022220 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
McLanahan, Patricia P., individually and as Trustee of the Annie E. Preisker Life Estate Trust	Durley, Odette Durley, Katherine Durley, First Name Unknown	117-170-050	2004-086837 (SB)
McPherson, Mary	McPherson, Roger D.	091-283-046	1998-060841 (SLO)
McPherson, Roger D.	McPherson, Mary	091-283-046	1998-060841 (SLO)
Mees, Ronald		129-151-039	1997-058160 (SB)
Mehlschau, Charles and Janice, Trustees of the Mehlschau Family Trust		091-251-017 091-251-018	2005-021013 (SLO) 2004-089534 (SLO)
Mehlschau, Catherine H., Heirs of		091-251-009 091-301-018 091-301-034	1997-I-002044 (SLO) 1997-I-002044 (SLO) 1997-I-002044 (SLO)
Mehlschau, Cavaletto & Marsch, LP (aka MCM, a partnership of Mehlschau, Cavaletto & Marsh)		092-061-004	2004-054135 (SLO)
Mehlschau, Cavaletto & Marsch, LP (aka MCM, a partnership of Mehlschau, Cavaletto & Marsh)		092-061-004	2004-054136 (SLO)
Mehlschau, Charles A.	Mehlschau, Janice C.	091-301-019	1971-14621 (SLO)
Mehlschau, Janice C.	Mehlschau, Charles A.	091-301-019	1971-14621 (SLO)
Melendez, Aurelia	Melendez, Luis	129-240-004	2003-168232 (SB)
Melendez, Luis	Melendez, Aurelia	129-240-004	2003-168232 (SB)
Mendonsa, Emily		092-202-001 092-211-008	1994-046005 (SLO) 1994-046005 (SLO)
Mendonsa, Emily, Trust - Mary Adams Successor Trustee		117-170-016	1994-048823 (SB)
Mendonsa, Emily, Trust - Mary Adams Successor Trustee		113-050-031	2001-0002818 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Mesa Dunes Mobile Home Park		075-161-027	2001-048669 (SLO)
Metz, Joan	Metz, Myron	129-240-014	1985-031399 (SB)
Metz, Myron	Metz, Joan	129-240-014	1985-031399 (SB)
Michael, Claudia		101-040-027 129-180-016 129-180-013 129-180-021 101-040-026	2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB)
Michael, Lawrence R.		101-040-027 129-180-016 129-180-013 129-180-021 101-040-026	2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB)
Michael, Ophelia		101-040-027 129-180-016 129-180-013 129-180-021 101-040-026	2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB)
Michael, Richard		101-040-027 129-180-016 129-180-013 129-180-021 101-040-026	2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB) 2003-0139732 (SB)
Middleton, Janet		091-111-042	2004-018939 (SLO)
Miller, Carol	Blake, Robert	091-063-026	2007-002859 (SLO)
Miller, Jerry, Revocable Living Trust		075-291-004 075-291-014	1993-015406 (SLO) 1993-R-015404 (SLO)
Miller, Roland	Miller, Sally	129-240-015	2002-053587 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Miller, Sally	Miller, Roland	129-240-015	2002-053587 (SB)
Mills, Brenda	Mills, Michael	091-081-010	1996-033994 (SLO)
Mills, Brenda	Mills, Delbert Mills, Florence Mills, Michael	092-071-002 092-011-004	1999-001318 (SLO) 1999-001318 (SLO)
Mills, Delbert	Mills, Brenda Mills, Florence Mills, Michael	092-071-002 092-011-004	1999-001318 (SLO) 1999-001318 (SLO)
Mills, Florence	Mills, Delbert Mills, Brenda Mills, Michael	092-071-002 092-011-004	1999-001318 (SLO) 1999-001318 (SLO)
Mills, Michael	Mills, Delbert Mills, Florence Mills, Brenda	092-071-002 092-011-004	1999-001318 (SLO) 1999-001318 (SLO)
Mills, Michael	Mills, Brenda	091-081-010	1996-033994 (SLO)
Minami, Isamu	Various	115-020-015 115-043-002 113-040-001	2004-0061214 (SLO) 2004-0061214 (SLO) 2005-0026820 (SB)
Minami, Isamu, as Trustee of the Yataro Minami Trust and executor of will of Grace Minami	Iriyama, Dan and Toshiko, Trustees of the Residual Trust of Yataro Minami Minami, Isamu	115-020-015 115-043-002 113-040-001	2004-0061214 (SLO) 2004-0061214 (SLO) 2005-0026820 (SB)
Minetti, Clarence	Roffoni, John	113-070-031 113-070-032	1999-052464 (SB) 1999-052464 (SB)
Minnies, Nora A.	Sarad, John Gabbert, Sean, Administrator for the Estate of John S. Gabbert Gabbert, Steve Gabbert, Thomas Eckles Lorenz, Valerie	101-010-005 101-020-006	2006-0012214 (SB) 2006-0012214 (SB)
Minor, Oma		129-170-032	2000-0080495 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Miranda, Jean	Miranda, Mike	129-240-009	2006-059831 (SB)
Miranda, Jean	Miranda, Mike	091-063-039	2004-053657 (SLO)
Miranda, Mike	Miranda, Jean	129-240-009	2006-059831 (SB)
Miranda, Mike	Miranda, Jean	091-063-039	2004-053657 (SLO)
Mitchell, Carolyn	Serpa Ranch Machado, Manuel Gibbons, Christina Dutra, Maria C. Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Montgomery, Jody	Manderscheid, Marcia Manderscheid, Richard T. Manderscheid, Wendy Manderscheid, Loren Farao, Kerry	075-032-007	2002-064563 (SLO) 1999-R-028575 (SLO) 2003-027399 (SLO) 2000-R-019501 (SLO) 2004-019816 (SLO) 2000-R-028723 (SLO) 2000-R-012008 (SLO) 2001-R-038295 (SLO) 2000-R-027364 (SLO) 2004-019816 (SLO) 2004-R-017088 (SLO) 1994-R-069488 (SLO)
Morales, Heladio	Morales, Ofelia	091-063-031	2000-I-002018 (SLO)
Morales, Ofelia	Morales, Heladio	091-063-031	2000-I-002018 (SLO)
Morganti, Ellen W.	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F. Morganti, June	113-020-005	2005-0122629 (SB)
Morganti, Ellen W.	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F. Morganti, June	113-020-005	2005-0122629 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Morganti, Ellen W.	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F. Morganti, June	092-031-011	1993-019672 (SLO)
Morganti, Ellen W.	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F. Morganti, June	092-031-042 101-050-031	Unable to locate 1992-054487 (SB)
Morganti, June	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F. Morganti, Ellen W.	113-020-005	2005-0122629 (SB)
Morganti, June	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F. Morganti, Ellen W.	092-031-011	1993-019672 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Morganti, June	Ferrari, Roy Ferrari, Carol Ferrari, Adelaide, Successor Trustee to the Ferrari Family Trust 6/22/92 Jones, Jeanette F. Morganti, Ellen W.	092-031-042 101-050-031	Unable to locate 1992-054487 (SB)
Moretti Cotti, Liliana	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Moretti Cotti, Liliana	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate
Moretti, Michele	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Moretti, Michele	Moretti, Peter M. Cotti, Nicola Cotti, Rossella	113-110-001 113-240-001	1991-009647 (SB) 2007-038481 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Crettenand Moretti, Isabella Favre Moretti, Christina	113-240-010 117-240-006 128-071-002	2007-038481 (SB) Unable to locate Unable to locate
Moretti, Peter M.	Wineman, Ernest C. Wineman, Peggie Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Moretti, Peter M.	Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita	113-110-001 113-240-001 113-240-010 117-240-006 128-071-002	1991-009647 (SB) 2007-038481 (SB) 2007-038481 (SB) Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
	Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina		
Murata, Shizuko	Kaminaka, Ayako Kanda, Helen, Trustee of the Kanda Trust Kaminaka, Wayne, Trustee for the Mikazu and Ayako Kaminaka Trust Kanda, Harry K. Kaminaka, Joseph	091-232-036	2006-042536 (SLO) 2006-042533 (SLO)
Murphy, John	Murphy, Patricia M.	129-240-002	2002-125881 (SB)
Murphy, Patricia M.	Murphy, John	129-240-002	2002-125881 (SB)
Mussell, Steve		101-050-030	1991-013513 (SB)
Mussell, Steve		129-151-020	2006-0093544 (SB)
Mutual Water Association		091-361-019	2001-007727 (SLO)
Nasholm & Sausa Kiwi		091-121-051	1976-R-C43735 (SLO)
Neill, Michael	Canada, Richard, Trustee Hobbs, William, Trustee Hobbs, Wilma, Trustee	092-221-003	2004-070893 (SLO)
Neill, Michael	Canada, Richard, Trustee Hobbs, William, Trustee Hobbs, Wilma, Trustee	092-221-002	2004-R-099014 (SLO)

December 21, 2007

Exhibit 1A
Page 109 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Neill, Michael	Canada, Richard, Trustee 13700 Guardian's Deed Hobbs, William, Trustee Hobbs, Wilma, Trustee	091-301-004	1994-R-030904 (SLO)
		091-301-017	13700 (SLO)
		091-301-041	1994-R-033232 (SLO) 2004-108562 (SLO) 2005-I-003788 (SLO)
Nelson, Kenneth D.		090-301-057	2003-014672 (SLO)
Nelson, Rita J.		090-301-057	2003-014672 (SLO)
Nester, Greg		091-232-014	2004-015454 (SLO)
		091-296-052	2000-I-003890 (SLO)
Newman, Bill J.		128-097-001	2005-097318 (SB)
Newman, Bill J.		128-097-002	Unable to locate
Newman, George		Not provided	
NHC-CA3, LP, dba Pacific Dunes Ranch		061-261-007	1999-011771 (SLO)
		061-261-012	1999-011771 (SLO)
		061-261-013	1999-011771 (SLO)
Nipomo Community Services District		090-271-025	1986-057045 (SLO)
		090-271-026	1997-R-049538 (SLO)
Nodlew, Inc.		129-170-029	2000-0080495 (SB)
		129-170-031	2000-0080495 (SB)
North Preisker Ranch		117-030-055	2006-0082200 (SB)
		117-030-056	2006-0082200 (SB)
		117-030-058	2006-0082200 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
North Preisker Ranch		117-030-053 117-030-055 117-030-056 117-030-058 117-030-059 118-001-077 118-002-095	1996-054909 (SB) 1996-054909 (SB) 1996-054909 (SB) 1996-054909 (SB) 1996-054909 (SB) Unable to locate Unable to locate
NRG Enterprises LP	Santa Maria Potato, Inc. OSR Ranch LP	128-096-001 (62.50% interest) 128-096-004 (62.50% interest) 128-096-005 (62.50% interest)	2002-036342 (SB) 2002-0036342 (SB) 2002-0036342 (SB)
NRG Enterprises LP		128-096-010 (25% interest) 128-096-003 (25% interest) 128-100-028 128-100-030 128-100-031 128-094-031	2002-056749 (SB) 1989-0068135 (SB) 1993-0083640 (SB) 1993-0083640 (SB) 1993-0083640 (SB) 1993-0083640 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
NRG Enterprises LP	Santa Maria Potato, Inc. OSR Ranch LP	128-095-008 25% interest)	1985-002572 (SB)
		128-096-009 (25% interest)	1989-068135 (SB)
		128-100-001 (25% interest)	1989-068137 (SB)
		128-100-003	1989-068137 (SB)
		128-095-006 (25% interest)	89-068135 (SB)
Nunes Water Company		075-162-058	2000-I-003521 (SLO)
		075-162-059	2000-I-003521 (SLO)
O.J. Portwood, et al., LLC		129-170-004	2006-043758 (SB)
Oakview Development, a California corporation		091-181-033	2004-086123 (SLO)
Oceano Community Services District		062-051-021	21030 (SLO)
		062-051-022	2000-001833 (SLO)
		062-261-022	1985-I-001562 (SLO)
		062-261-079	1995-35395 (SLO)
		062-271-001	1986-55306 (SLO)
		062-271-003	1986-55306 (SLO)
		062-271-006	1986-55306 (SLO)
		062-271-023	6825 (SLO)
		062-271-024	2000-041813 (SLO)
		062-271-026	22791 (SLO)
Okui Farms	various	060-591-017	1992-078335 (SLO)
		092-231-014	1990-R-081123 (SLO) 2002-R-057958 (SLO)
Okui Farms	various	060-591-016	1993-004408 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Okui, Hironobu		060-591-016	1993-004408 (SLO)
Okui, Hironobu	various	092-231-014	1992-078335 (SLO) 1990-R-081123 (SLO) 2002-R-057958 (SLO)
Old Rio Bravo, LLC		113-250-015 113-250-016 113-250-017	2004-137005 (SB) 2004-137005 (SB) 2004-137005 (SB)
Olson, Marion K.		101-070-047	2006-0005117 (SB)
O'Neil, John	O'Neil, Marilyn	091-073-004	2003-035792 (SLO)
O'Neil, Marilyn	O'Neil, John	091-073-004	2003-035792 (SLO)
Ontiveros, Louise D.	Ontiveros, Mark A.	129-180-017 101-030-009	2004-006958 (SB) 2004-006959 (SB)
Ontiveros, Mark A.	Ontiveros, Louise D.	129-180-017 101-030-009	2004-006958 (SB) 2004-006959 (SB)
Orcutt Union High School		101-010-014 103-070-016 103-080-047 105-330-009 105-330-010 107-040-002 107-101-006 109-110-003	Unable to locate 1961-029434 (SB) 1962-036379 (SB) 1961-019349 (SB) 1961-019349 (SB) 1963-040214 (SB) 1960-034875 (SB) 1957-019855 (SB)
Osburn Trust		117-820-016	1973-047004 (SB)
OSR Enterprises, Inc.		125-095-001 128-094-029 128-095-002 128-099-001 128-100-022	Unable to locate 93-0083641 (SB) 1993-0083639 (SB) 1993-0083640 (SB) 2002-036342 (SB)

December 21, 2007

Exhibit 1A
Page 113 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
		128-096-001 (16.67% interest) 128-096-004 (16.67% interest) 128-096-005 (16.67% interest)	2002-0036342 (SB) 2002-0036342 (SB) 2002-0036342 (SB)
OSR Ranch Limited Partn.	Santa Maria Potato, Inc. OSR Enterprises LP	128-096-001 (20.83% interest) 128-096-004 (20.83% interest) 128-096-005 (20.83% interest) 128-095-006 (25% interest)	2002-036342 (SB) 2002-0036342 (SB) 2002-0036342 (SB) 89-068135 (SB)
OSR Ranch Limited Partn.	various	128-096-010 (25% interest)	2002-056749 (SB)
OSR Ranch Limited Partn.	various	129-180-010	1972-030115 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
OSR Ranch Limited Partn.	various	128-101-010 (25% interest) 128-101-012 128-095-008 (25% interest) 128-096-003 (25% interest) 128-096-009 (25% interest) 128-100-001 (25% interest) 128-100-003 (25% interest) 128-096-002 (50% interest) 128-096-006 (25% interest)	1993-0083641 (SB) 1993-0083641 (SB) 1993-083639 (SB) 1985-002572 (SB) 1989-068135 (SB) 1989-068135 (SB) 1989-068137 (SB) 1989-068137 (SB) 1989-0068136 (SB)
OSR Ranch Limited Partn.	various	129-100-008	1993-0063641 (SB)
Overholtzer, Charles	Overholtzer, Julie	129-020-027	2003-005939 (SB)
Overholtzer, Julie	Overholtzer, Charles	129-020-027	2003-005939 (SB)
Overley, Lyle, individually and as Trustee		091-201-019	1996-016659 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Owen, Christina M.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Bettencourt, Catherine Owen, Stephanie S. Wilson, Gary M.	091-121-079	2005-032962 (SLO)
Owen, Christina M.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Bettencourt, Catherine Owen, Stephanie S. Wilson, Gary M.	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)
Owen, Christina M.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Bettencourt, Catherine Owen, Stephanie S. Wilson, Gary M.	091-121-064	2005-016471 (SLO) 2004-R-096188 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Owen, Christina M.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Bettencourt, Catherine Owen, Stephanie S. Wilson, Gary M.	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO) 2004-R-096188 (SLO)
Owen, Stephanie S.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Bettencourt, Catherine Wilson, Gary M.	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)
Owen, Stephanie S.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Bettencourt, Catherine Wilson, Gary M.	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO) 2004-R-096188 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Owen, Stephanie S.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Bettencourt, Catherine Wilson, Gary M.	091-121-064	2005-016471 (SLO) 2004-R-096188 (SLO)
Owen, Stephanie S.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Bettencourt, Catherine Wilson, Gary M.	091-121-079	2005-032962 (SLO)
Owens, Jana R.	Owens, Michael S.	075-301-005	1996-055200 (SLO)
Owens, Michael S.	Owens, Jana R.	075-301-005	1996-055200 (SLO)
Owens, Jana R.	Owens, Michael S.	075-301-006	1998-039254 (SLO)
Owens, Michael S.	Owens, Jana R.	075-301-006	1998-039254 (SLO)
Quail Meadows East		109-200-029	Unable to locate
Pacific Christian Center		Not provided	
Paniagua, Rogelio	Paniagua, Rosa	117-820-020	Unable to locate
Paniagua, Rosa	Paniagua, Rogelio	117-820-020	Unable to locate
Parker, Ishmael		129-151-021	1971-006743 (SB)
Pasquini, Charles		075-404-029	2002015795 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Pasquini, Charles		117-040-022 117-040-023 117-040-024 117-040-025 115-113-005 128-062-013 115-020-005 115-020-032 128-013-022 115-113-006 117-030-063 117-030-073 092-051-023 092-051-024 113-030-009 113-030-027	2005-0063466 (SB) 2005-0063466 (SB) 2005-0063466 (SB) 2005-0063466 (SB) 2005-0063467 (SB) 2005-0063468 (SB) 2005-0063469 (SB) 2005-0063469 (SB) 2005-0063470 (SB) 2005-0063471 (SB) 2005-0063472 (SB) 2005-0063473 (SB) 2005-045096 (SLO) 2005-045096 (SLO) 2005-045096 (SB) 2005-045096 (SB)
Pasquini, Charles		090-271-010 090-301-010 090-301-039 090-301-043 090-311-001	2005-045092 (SLO) 2005-045094 (SLO) 2005-045094 (SLO) 2005-045094 (SLO) 2005-R-045096 (SLO) 2005-R-045096 (SLO) 2001-R-070130 (SLO) 2005-069189 (SB) 2005-069189 (SB) 2005-063466 (SB)
Pasquini, Charles		090-291-019	2005-082138 (SLO)
Pennisi, Salvatore, Trustee		091-131-001	1996-050399 (SLO)
Pereira Trust, Judy Rogers, Trustee	Rogers, Judy A.	129-010-024	2002-06771 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Pereira Trust, Judy Rogers, Trustee	Rogers, Judy A.	129-010-023	1997-067420 (SB)
Pereira, Jeffrey, Trustee of the Pereira Living Trust	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Dutra, Maria C. Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006	2005-048328 (SLO) 1992-37112 (SLO)
		092-211-007	2005-048328 (SLO) 1992-37112 (SLO)
Perez, Shirley A.	Brenner, Merritt Brenner, Nancy Bryden, James Pinoli, Mary S.	117-180-021	2002-076787 (SB)
		117-180-002	2002-076787 (SB)
		117-170-013	2002-0076787 (SB)
		117-170-014	2002-0076787 (SB)
Perez, Shirley A.	Brenner, Merritt Brenner, Nancy Bryden, James Pinoli, Mary S.	117-180-021	2002-0076787 (SB)
		117-180-002	2002-0076787 (SB)
		117-170-013	2002-0076787 (SB)
		117-170-014	2002-0076787 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Perrett, Carol M.	Perrett, H.D.	090-401-019 090-424-001 090-424-002 090-424-004 090-424-005 090-424-006 090-425-002 090-425-003 128-002-029 128-101-003 129-030-012	1999-086875 (SLO) 2001-I-000812 (SLO) 2001-I-000812 (SLO) 2001-I-000812 (SLO) 2001-I-000813 (SLO) 2001-I-000812 (SLO) 2001-I-000813 (SLO) 2001-I-000813 (SLO) 1999-0097234 (SB) 1999-0097234 (SB) 1999-0097234 (SB)
Perrett, H.D.	Perrett, Carol M.	090-401-019 090-424-001 090-424-002 090-424-004 090-424-005 090-424-006 090-425-002 090-425-003 128-002-029 128-101-003 129-030-012	1999-086875 (SLO) 2001-I-000812 (SLO) 2001-I-000812 (SLO) 2001-I-000812 (SLO) 2001-I-000813 (SLO) 2001-I-000812 (SLO) 2001-I-000813 (SLO) 2001-I-000813 (SLO) 1999-0097234 (SB) 1999-0097234 (SB) 1999-0097234 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Phelan & Taylor Produce Company, Inc.		061-134-009 061-321-001 061-321-002 061-321-004 061-331-006 061-331-008 061-331-012 061-331-013 075-121-003 075-121-005 075-121-007 075-131-004	1989-I-004131 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-002269 (SLO) 1996-I-000230 (SLO)
Phelan & Taylor Produce Company, Inc.	Taylor, John Taylor, Diane	061-134-001 061-134-006 061-134-007 061-134-008 061-331-010	6203 (SLO) 16779 (SLO) 1996-I-000230 (SLO) 1996-012400 (SLO) 16288 (SLO)
Phelan, Ruth		129-110-025 129-050-014	2001-0114470 (SB) 2001-0114470 (SB)
Pictsweet Company		117-191-011 117-191-052	1995-054485 (SB) 1995-054484 (SB)
Piers, Robert		Not provided	
Pinoli, Mary S.	Perez, Shirley A. Brenner, Merritt Brenner, Nancy Bryden, James	117-180-021 117-180-002 117-170-013 117-170-014	2002-0076787 (SB) 2002-0076787 (SB) 2002-0076787 (SB) 2002-0076787 (SB)
Pinoli, Mary S.	Bryden, James M.	091-053-021	2005-026215 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Pinoli, Mary S.		007-891-012 091-053-018 091-053-019	2003-054761 (SLO) Unable to locate Unable to locate
Pismo Beach, City of		005-242-042	72780 (SLO)
Pismo Beach, City of		005-242-049 060-228-017 060-544-005	2004-I-002946 (SLO) Unable to locate Unable to locate
Pismo Oceano Vegetable Packing Exchange (POVE)	Hayashi, Robert	075-032-006	1993-034975 (SLO)
Pohaku, LP		117-200-018	1998-060413 (SB)
Durley, Odette	Durley, Unknown First Name Durley, Katherine	117-030-061	2007-0037815 (SB)
Pudwill, James		091-201-024	2005-104231 (SLO)
Pybas Vegetable Seed Co.		111-040-020	2005-0110010 (SB)
Pybas Vegetable Seed Co.		117-820-040	2005-087609 (SB)
Pybas Vegetable Seed Co.		117-820-004	2005-046778 (SB)
Radio Representatives		129-170-002	2003-064422 (SB)
Rancho Maria Golf Club, Inc.		113-250-014	1970-030863 (SB)
Rancho Maria, LLC		092-371-007 092-371-017 092-031-008 092-031-009	1997-048636 (SLO) 1997-048636 (SLO) 1997-048627 (SLO) 1997-048627 (SLO)
RCT 2003, LLC		113-080-018 113-080-024	2005-0085104 (SB) 2005-0085104 (SB)
Reed, William Jr., Trustee of the E. Tunnell Trust	various	129-100-014 129-100-021	2006-0063723 (SB) 2006-0063723 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Reed, William Jr., Trustee of the E. Tunnell Trust	Tunnell, Arthur Donner, Marianne, Donne, Trustee of the Tunnell Trust Tunnell Ranch Tunnell, Cecilia Marsalek, Joseph F.	129-100-019	2007-008204 (SB)
Renner, John A.		091-232-041	Unable to locate
Richards Holding Company		129-240-029	2006-087173 (SB)
Richardson, Hugh L.	Richardson, Linda S.	129-151-037	1998-102734 (SB)
Richardson, Linda S.	Richardson, Hugh L.	129-151-037	1998-102734 (SB)
Righetti, Ernest, Trust	Rubacava, Annadell	113-190-005 113-200-006 113-200-007 113-200-008 113-200-009 113-200-016 113-200-017 113-230-001 113-230-006 113-230-007	2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB)
Rikalo, May J.	Coy, Jean Coy, Billy Cox, Charles E. Cox, Richard	129-010-019	2000-0050936 (SB)
Rio Mesa Land Company		128-064-006	2005-015717 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Rio Mesa Land Company		128-094-018 128-094-019 128-094-020 128-094-021 128-094-023 128-094-024	2004-0042536 (SB) 2004-0042536 (SB) 2004-0042536 (SB) 2004-0042536 (SB) 2004-0042536 (SB) 2004-0042536 (SB)
Rio Mesa Land Company		128-064-007	2004-0042536 (SB)
Rio Vista Associates	Duncan Group	113-030-055	2002-015812 (SB)
River Bluffs, LLC		090-301-013	2005-049489 (SLO)
Roberts, John Anthony		091-063-001	2007-R-016320 (SLO)
Roemer Jones, Joann, Individually and as General Partner of JJ Santa Maria, LP	Roemer, Robert R. Roemer, Vard A. Jones, JoAnn Roemer	128-002-04-00-13 128-002-04-00-14 128-002-04-00-15	Unable to locate Unable to locate Unable to locate
Roemer, Robert R.	Roemer, Robert R. Roemer, Vard A. Jones, JoAnn Roemer	128-002-04-00-13 128-002-04-00-14 128-002-04-00-15	Unable to locate Unable to locate Unable to locate
Roemery, Vard A.	Roemer, Robert R. Roemer, Vard A. Jones, JoAnn Roemer	128-002-04-00-13 128-002-04-00-14 128-002-04-00-15	Unable to locate Unable to locate Unable to locate
Roffoni, John	Minetti, Clarence	113-070-031 113-070-032	1999-052464 (SB) 1999-052464 (SB)
Rogers, Judy A., individually and as Trustee for the Pereira Family Trust	Pereira Trust, Judy Rogers, Trustee	129-010-024	2002-06771 (SB)
Rogers, Judy A., individually and as Trustee for the Pereira Family Trust	Pereira Trust, Judy Rogers, Trustee	129-010-023	1997-067420 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Roman Catholic Archbishop of Los Angeles, a corporation, sole Archdiocese of Los Angeles Education and Welfare Corporation		107-240-015 111-240-025	1965-006794 (SB) 1967-003174 (SB)
Rosa, Edward G.	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Dutra, Maria C. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Dutra, Maria C. Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine		
Rose, Helen	DeBernardi Family DeBernardi, Robert DeBernardi, Edward	128-094-042 128-094-048	2003-029362 (SB) 2005-0009460 (SB) 2003-029362 (SB) 2005-0009460 (SB)
Rose, Helen	DeBernardi Family DeBernardi, Robert DeBernardi, Edward	128-094-012 128-094-045 128-094-047	2006-074155 (SB) 2005-009460 (SB) 2001-089893 (SB) 2006-074155 (SB)
Rossi, Robin L., Tre		091-151-005 091-151-006	2002-053692 (SLO) 2002-053692 (SLO)
Rossi, Robin L., Tre		091-411-019 091-411-020 091-411-026 091-442-028	2002-032677 (SLO) 2002-032677 (SLO) 2002-032677 (SLO) 2002-032677 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Rubacava, Annadell	Righetti, Ernest, Trust	113-190-005 113-200-006 113-200-007 113-200-008 113-200-009 113-200-016 113-200-017 113-230-001 113-230-006 113-230-007	2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB)
Rubalcava Trust		113-280-009 113-200-009 113-230-006 113-190-005 113-200-007 113-200-008 113-200-015 113-230-001 101-020-069 101-020-070	2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB) 2004-0064709 (SB)
Ruffoni, Jacqueline	Fleming, Cindy Ruffoni, Michael Ruffoni, Todd	111-240-018 111-240-027	2003-079323 (SB) 2003-079323 (SB)
Ruffoni, John		Not provided	
Ruffoni, Michael	Ruffoni, Jacqueline Fleming, Cindy Ruffoni, Todd	111-240-018 111-240-027	2003-079323 (SB) 2003-079323 (SB)
Ruffoni, Todd	Ruffoni, Jacqueline Fleming, Cindy Ruffoni, Michael	111-240-018 111-240-027	2003-079323 (SB) 2003-079323 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Ruiz, Eileen, and Doty, Maurice, Trustees	various	090-031-003 090-031-004 092-191-001	50412 (SLO) 50412 (SLO) 1997-R-063108 (SLO)
Ruiz, Eileen, and Doty, Maurice, Trustees	Dana Properties Dana, W.G., Trust Dana, Earl, Trust Dana, Ernest, Trust Martin, Gwendolyn Marsalek, Velma	090-051-012 090-051-013 090-111-003 090-151-005 090-151-009 090-151-013	1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO) 1979-024591 (SLO)
Runels, John		006-391-021	51093 (SLO)
Runels, John	Runels, Thomas Runels, Thomas & Edith, Trust	075-021-002	1994-33739 (SLO)
Runels, John	Runels, Thomas Runels, Thomas & Edith, Trust	006-341-006	1970-20544 (SLO) 1994-071005 (SLO)
Runels, John	Runels, Thomas Runels, Thomas & Edith, Trust	075-011-010 075-021-031 075-021-045 075-021-046	1994-071007 (SLO) 1988-016350 (SLO) Unable to locate 49761 (SLO)
Runels, John	Runels, Thomas Runels, Thomas & Edith, Trust	092-031-004	1994-071010 (SLO)
Runels, Thomas	Runels, Thomas & Edith, Trust Runels, John	006-391-021	51093 (SLO)
Runels, Thomas	Runels, Thomas & Edith, Trust Runels, John	006-341-006	1970-20544 (SLO) 1994-R-071005 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Runels, Thomas	Runels, Thomas & Edith, Trust Runels, John	075-011-010 075-021-031 075-021-045 075-021-046 092-031-004	1994-71007 (SLO) 1988-016350 (SLO) Unable to locate 49761 (SLO) 1994-071010 (SLO)
Runels, Thomas	Runels, Thomas & Edith, Trust Runels, John	092-031-004	1994-071010 (SLO)
Runels, Thomas	Runels, Thomas & Edith, Trust Runels, John	075-021-002	1994-33739 (SLO)
Runels, Thomas & Edith, Trust	Runels, Thomas Runels, John	006-391-021	51093 (SLO)
Runels, Thomas & Edith, Trust	Runels, Thomas Runels, John	075-011-010 075-021-031 075-021-045 075-021-046	1994-71007 (SLO) 1988-R-016350 (SLO) Unable to locate 49761 (SLO)
Runels, Thomas & Edith, Trust	Runels, Thomas Runels, John	006-341-006	1970-20544 (SLO) 1994-R-071005 (SLO)
Runels, Thomas & Edith, Trust	Runels, Thomas Runels, John	092-031-00	1994-071010 (SLO)
Runels, Thomas & Edith, Trust	Runels, Thomas Runels, John	075-021-002	1994-33739 (SLO)
Rural Water Company		N/A	N/A
Russ, Richard		091-173-012	44755 (SLO)
Sagaysay, Marilyn		091-063-021	2007-029464 (SLO)
Sakamoto, Mitsko, Irrevocable Trust	various	092-231-014	1990-R-081123 (SLO) 2002-R-057958 (SLO)
Sakamoto, Robert	various	092-231-014	1990-R-081123 (SLO) 2002-R-057958 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Sakamoto, Teruko, Irrevocable Trust	various	092-231-014	1990-R-081123 (SLO) 2002-R-057958 (SLO)
Sakamoto, Yotsuko, Irrevocable Trust	various	092-231-014	1990-R-081123 (SLO) 2002-R-057958 (SLO)
Salazar Family Trust		101-050-041	1993-0018580 (SB)
Salazar Family Trust		101-050-040	1993-0018581 (SB)
San Luis Obispo County Flood Control and Water Conservation District		N/A	N/A
San Luis Obispo, County of		007-011-045 007-011-046 061-091-029 075-111-002 075-113-025 075-114-030 075-115-093 075-116-048 090-313-049 090-313-050 090-331-014 090-331-032 090-341-032 091-313-049 091-313-050 092-061-009 092-121-085 092-122-056 092-122-058 092-122-060	1990-I-001907 (SLO) 1990-I-001907 (SLO) 1990-029487 (SLO) 1944-R-C03682 (SLO) 1947-R-C05628 (SLO) 1971-34183 (SLO) 1970-30780 (SLO) 1970-30780 (SLO) Unable to locate Unable to locate 1985-I-001673 (SLO) Unable to locate 1970-30780 (SLO) 1991-I-010871 (SLO) 2000-067788 (SLO) 2000-067788 (SLO) 1986-77273 (SLO) 2005-I-000065 (SLO) 2001-020507 (SLO) 1990-066080 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		092-122-086 092-231-015 092-231-017	1993-I-002180 (SLO) Unable to locate 1970-R-C30780 (SLO) 2002-I-001075 (SLO)
San Ysidro Farms, Inc.		092-371-012 092-371-016 092-371-005	2004-113230 (SLO) 2004-113230 (SLO) 1994-051305 (SLO)
San Ysidro Land Co., LLC		092-371-012 092-371-016 092-371-005	2004-113230 (SLO) 2004-113230 (SLO) 1994-051305 (SLO)
San Ysidro Land Co., LLC		117-020-050	2004-137858 (SB)
Sand, Rich		129-240-025	2001-0100916 (SB)
Sander, Jean H.	Sander, Manfred	101-030-001 101-030-002 129-170-013 129-170-014	1997-006094 (SB) 1997-006094 (SB) 1997-006094 (SB) 1997-006094 (SB)
Sander, Manfred	Sander, Jean H.	101-030-001 101-030-002 129-170-013 129-170-014	1997-006094 (SB) 1997-006094 (SB) 1997-006094 (SB) 1997-006094 (SB)
Sandy Acres Estates		091-261-023 091-281-072	2001-059315 (SLO) 2001-092647 (SLO)
Santa Barbara County Flood Control and Water Conservation District		103-670-008 103-670-009 103-740-015 105-240-064 107-070-043 107-300-032 107-460-010	1981-038275 (SB) 1981-038275 (SB) 1980-32107 (SB) Unable to locate 1983-054304 (SB) 1989-066573 (SB) 1979-032667 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		107-510-021	1981-022484 (SB)
		107-690-001	1984-064539 (SB)
		107-710-022	1986-009438 (SB)
		111-510-056	1976-020097 (SB)
		111-580-006	1972-041814 (SB)
		113-050-055	1976-029924 (SB)
		117-020-053	1972-038193 (SB)
		117-020-054	1972-038193 (SB)
		117-020-060	1973-048649 (SB)
		117-020-062	1973-048647 (SB)
		117-020-065	1975-016665 (SB)
		117-020-070	1976-022459 (SB)
		117-020-071	1976-029924 (SB)
		117-030-070	1983-3416 (SB)
		117-030-086	1983-3416 (SB)
		117-030-087	1983-3416 (SB)
		117-070-058	Unable to locate
		117-160-042	1972-038193 (SB)
		117-160-044	1972-038194 (SB)
		117-160-048	1973-048648 (SB)
		117-191-001	1976-009813 (SB)
		117-191-003	1978-047609 (SB)
		117-200-027	1976-009813 (SB)
		117-570-067	1982-015937 (SB)
		117-770-004	1982-53220 (SB)
		117-820-017	1973-047004 (SB)
		128-002-010	1976-024158 (SB)
		128-003-040	Unable to locate
		128-003-041	Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		128-019-005 128-019-040 129-030-018 117-191-002 128-002-009	Unable to locate Unable to locate 1962-023801 (SB) 1976-009813 (SB) 1976-024157 (SB)
Santa Barbara County Water Agency		N/A	N/A
Santa Barbara, County of		117-020-019 117-020-030 117-020-033 117-020-035 113-050-035 113-050-036 113-040-012	1962-022361 (SB) 1962-026010 (SB) 1962-029762 (SB) 1962-037307 (SB) 1963-006992 (SB) 1963-006992 (SB) 1963-006991 (SB)
Santa Barbara, County of		103-401-002	1962-036532 (SB)
Santa Barbara, County of		103-374-006 103-375-002 103-381-013	1962-010208 (SB) 1962-010208 (SB) 1962-010208 (SB)
Santa Barbara, County of		103-200-011 103-395-001 103-401-004 103-412-003 103-500-052 103-530-069 103-550-052 103-690-046 107-161-022 107-750-070 109-134-011	2004-079383 (SB) Unable to locate Unable to locate Unable to locate 1976-013913 (SB) 1979-014471 (SB) 1977-053598 (SB) 1987-057887 (SB) 1962-038586 (SB) 1988-023484 (SB) Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		111-100-005	1964-010591 (SB)
		111-100-013	Unable to locate
		111-100-015	Unable to locate
		111-231-004	1981-017445 (SB)
		111-420-021	1980-022883 (SB)
		113-020-011	1970-006406 (SB)
		113-020-012	1970-006406 (SB)
		113-020-013	1970-006406 (SB)
		113-020-020	1989-017072 (SB)
		113-020-021	1989-017072 (SB)
		117-020-041	1963-024994 (SB)
		117-030-083	Unable to locate
		125-064-002	Unable to locate
		125-064-007	1996-014794 (SB)
		125-064-008	1996-014794 (SB)
		128-002-018	1962-038327 (SB)
		128-002-023	1962-025635 (SB)
		128-002-026	1962-025635 (SB)
		128-002-041	1971-028676 (SB)
		128-026-002	1964-000531 (SB)
		128-085-034	1991-032400 (SB)
		128-085-039	1991-032400 (SB)
		128-085-040	1991-032400 (SB)
		128-085-041	1991-047734 (SB)
		128-085-042	1991-047734 (SB)
		128-085-043	2002-128701 (SB)
		128-085-044	2002-128702 (SB)
		128-094-001	1962-030015 (SB)
		128-094-003	1959-039753 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		128-094-006 128-100-017 128-101-002 128-101-004 128-101-008 128-101-009 128-101-018 147-180-023 147-180-024 149-022-001 149-031-001 149-033-001 149-040-001 149-040-003 149-040-005 149-040-006 149-040-007 149-040-008 149-040-009	1959-040993 (SB) 1960-001558 (SB) 1959-039754 (SB) 1959-040993 (SB) 1961-009936 (SB) 1959-039752 (SB) Unable to locate 1981-017948 (SB) 1981-017948 (SB) Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate 1957-011475 (SB) 1955-016142 (SB) 1952-007288 (SB) 1952-007288 (SB) 1952-007288 (SB)
Santa Maria Country Club		111-070-003 111-070-027 111-070-029	1971-037191 (SB) 1971-037191 (SB) 1973-002548 (SB)
Santa Maria Crossroads, LLC		128-137-041	Unable to locate
Santa Maria Potato, Inc.	OSR Enterprises OSR Ranch LP	128-096-004 128-096-005 128-095-006 (50% interest)	2002-0036342 (SB) 2002-0036342 (SB) 1989-068135 (SB)
Santa Maria Potato, Inc.	various	128-096-010 (50% interest)	2002-056749 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Santa Maria Potato, Inc.	various	128-100-029 128-100-020 128-100-021 128-100-027	1993-0083640 (SB) 1993-0083640 (SB) 1993-0083641 (SB) 1993-0083641 (SB)
Santa Maria Potato, Inc.	various	128-096-002 (50% interest)	1976-003756 (SB)
Santa Maria Potato, Inc.	various	128-095-008 50% interest) 128-096-003 (50% interest) 128-096-009 (50% interest) 128-100-001 (50% interest) 128-100-003 (50% interest) 128-096-006 (50% interest)	1985-002572 (SB) 1989-068135 (SB) 1989-068135 (SB) 1989-068137 (SB) 1989-068137 (SB) 1989-068136 (SB)
Santa Maria Public Airport District		111-231-016	2004-101610 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Santa Maria Public Airport District		111-231-005 111-231-006 111-231-008 111-231-009 111-231-010 111-231-011 111-231-013 111-231-014 111-231-017 111-231-018 111-231-019 111-291-005 111-291-033 111-292-027	2001-050631 (SB) 2001-050631 (SB) 1986-038945 (SB) 1986-038945 (SB) 1986-038945 (SB) 1986-038945 (SB) 1986-038945 (SB) 1986-038945 (SB) Unable to locate 2001-050631 (SB) Unable to locate 1964-010280 (SB) Unable to locate 1991-024729 (SB)
Santa Maria Public Airport District		111-580-001 111-580-003 111-580-004	2005-0116280 (SB) 2005-0116280 (SB) 2005-0116280 (SB)
Santa Maria Refining Company		113-150-005	1994-053090 (SB)
Santa Maria Rifle Club		129-010-015	1970-004140 (SB)
Santa Maria Senior Living, LLC		128-033-036	2006-0018708 (SLO)
Santa Maria Valley Water Conservation District		N/A	N/A

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Santa Maria, City of		113-120-005 113-120-016 113-120-023 113-120-026 113-120-029 113-120-030 117-030-076 117-250-028 128-098-004 117-820-002	Unable to locate 1983-036209 (SB) 1996-046374 (SB) 1998-094198 (SB) Unable to locate 1999-083031 (SB) 1990-060945 (SB) 1973-011057 (SB) 1962-024682 (SB) 2004-0057296 (SB)
Santa Maria-Bonita School District		123-210-004 123-210-010 123-210-012 117-910-009	2002-132117 (SB) 2002-132117 (SB) 2002-132117 (SB) 2003-025633 (SB)
Santa Maria-Bonita School District		119-010-017	2005-0014642 (SB)
Santa Maria-Bonita School District		121-073-002 119-252-019 119-224-001 119-091-001 121-250-020 121-025-001 111-220-002 117-431-008 128-033-001	1948-001356 (SB) 1949-004902 (SB) 1950-005498 (SB) 1955-004158 (SB) 1959-009414 (SB) 1960-025944 (SB) 1960-026562 (SB) 1961-042604 (SB) 1963-000835 (SB)
Santa Maria-Bonita School District		125-200-028	89-042469 (SB)
Santa Maria-Bonita School District		113-050-007	1959-029324 (SB) 1961-027127 (SB)
Santa Maria-Bonita School District		107-200-013 107-200-012	1960-037030 (SB) 1960-037030 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Santa Maria-Bonita School District		113-050-007 119-091-029 119-141-005 121-073-001 121-250-011 128-066-020 123-220-004 117-030-057 117-770-037 120-090-010 123-019-006 125-232-001 128-002-043 128-030-001 128-303-002	1959-029324 (SB) Unable to locate Unable to locate Unable to locate 1991-033065 (SB) 1986-077310 (SB) Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate 2001-057265 (SB) Unable to locate Unable to locate
Santa Maria-Bonita School District		117-030-068	1988-023259 (SB)
Sarad, John	Minnies, Nora Gabbert, Sean, Administrator for the Estate of John S. Gabbert Gabbert, Steve Gabbert, Thomas Eckles Lorenz, Valerie	101-010-005	2006-0012214 (SB)
Saruwatari, Ayako, Trust	Lan-Vest Limited	075-001-022 006-311-076 006-311-074 006-341-017	Unable to locate Unable to locate Unable to locate Unable to locate
SB Clark, LLC		129-151-026	2003-037772 (SB)
Schaefer, Jean	Schaefer, Louis	091-221-005	2005-021795 (SLO)
Schaefer, Louis	Schaefer, Jean	091-221-005	2005-021795 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Schoerner, Kathryn		091-232-005	2004-032511 (SLO)
Seastedt, Norman		Not provided	
Second Horizon Group dba Prime Outlets of Pismo		005-242-059	1999-I-003402 (SLO)
Seminis Vegetable Seed Company, Inc., A California Corporation		075-011-042	2005031850 (SLO)
Serpa Ranch	Machado, Manuel A., et al.	092-211-006 092-211-007	2005-048328 (SLO) 2005-048328 (SLO)
Shahrabani, David M.		111-240-022	1999-063413 (SB)
Shannon, William R. Tre		091-402-007	2001-I-000167 (SLO)
Sharer, James		128-099-008 128-099-009	2006-0090268 (SB) 2006-0090268 (SB)
Sheehy, Claire C.	Sheehy Partners, LP Sheehy, Terence W.	128-071-003 128-071-004	1992-062480 (SB) 1992-067406 (SB)
Sheehy, Terence W.	Sheehy, Claire C. Sheehy Partners, LP	128-071-003 128-071-004	1992-062480 (SB) 1992-067406 (SB)
Sheehy Partners, LP	Sheehy, Claire C. Sheehy, Terence W.	128-071-003 128-071-004	1992-062480 (SB) 1992-067406 (SB)
Shell, Sharon	Anderson, Richard P.	090-321-033	1994-058614 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Shiffrar, Arthur L.		090-271-014	1989-R-075214 (SLO) 2001-001735 (SLO) 2001-000122 (SLO) 2003-065158 (SLO) 2003-080645 (SLO) 1999-081224 (SLO)
		090-271-015	1989-R-075216 (SLO) 2001-001735 (SLO) 2001-000122 (SLO) 2003-065158 (SLO) 2003-080645 (SLO) 1999-081224 (SLO)
Shiffrar, Arthur L.		090-271-028	2000-I-002577 (SLO) 2001-001735 (SLO) 2003-080645 (SLO)
		090-271-029	2000-I-002577 (SLO) 2001-001735 (SLO) 2003-065158 (SLO) 2003-080645 (SLO)
Shipley, Nancy	Shipley, William L.	091-232-019	1998-032514 (SLO)
Shipley, William L.	Shipley, Nancy	091-232-019	1998-032514 (SLO)
Shrefler, DeAnna	Shrefler, Steven F.	091-111-037	1992-I-003490 (SLO)
Shrefler, DeAnna	Shrefler, Steven F.	091-111-040	1997-046546 (SLO)
Shrefler, Steven F.	Shrefler, DeAnna	091-111-037	1992-I-003490 (SLO)
Shrefler, Steven F.	Shrefler, DeAnna	091-111-040	1997-046546 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Siepiela, Dianne	Adcock, Lawrence Chan, Fook Kheong Chan, Terry Kwan Yu	091-161-051	2002-019093 (SLO)
Siepiela, Dianne	Adcock, Lawrence Chan, Fook Kheong Chan, Terry Kwan Yu	091-161-049	2002-019094 (SLO)
Sierra Madre Ranch Holdings, LLC		129-020-035 129-020-036 129-020-037 129-020-038 129-020-039 129-020-040 129-020-041 129-020-042 129-010-007 129-020-057	2003-0143355 (SB) 2003-0143355 (SB) 2003-0143355 (SB) 2003-0143355 (SB) 2003-0143355 (SB) 2003-0143355 (SB) 2003-0143355 (SB) 2003-0143355 (SB) 2003-0143355 (SB) 2003-0143355 (SB)
Signorelli, Bernice, Trust	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Souza, Ronald Karleskint Family Trust Dated 1992 Souza, Lucille Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)
Silva IV		092-031-005 092-031-006	Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Silva IV, LP	Silva, Edward W. (deceased) Silva, Manuel Jr. Silva, Helen E. Silva V, LP Silva VI, LP	113-040-009	1997-034227 (SB)
Silva IV, LP	Silva, Edward W. (deceased) Silva, Manuel Jr. Silva, Helen E. Silva V, LP Silva VI, LP	092-031-006	1997-032022 (SLO)
Silva Land Co. Inc.		092-051-020 092-051-006 092-051-019 115-020-017 115-020-018 115-020-019	1995-017407 (SLO) 1995-017407 (SLO) 1995-017407 (SLO) 1995-022306 (SB) 1995-022306 (SB) 1995-022306 (SB)
Silva V		113-090-013	1997-03426 (SB)
Silva V, LP	Silva, Edward W. (deceased) Silva, Manuel Jr. Silva, Helen E. Silva IV, LP Silva VI, LP	113-040-009	1997-034227 (SB)
Silva V, LP	Silva, Edward W. (deceased) Silva, Manuel Jr. Silva, Helen E. Silva IV, LP Silva VI, LP	092-031-006	1997-R-032022 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Silva VI, LP	Silva, Edward W. (deceased) Silva, Manuel Jr. Silva, Helen E. Silva IV, LP Silva V, LP	113-040-009	1997-034227 (SB)
Silva VI, LP	Silva, Edward W. (deceased) Silva, Manuel Jr. Silva, Helen E. Silva IV, LP Silva V, LP	092-031-006	1997-R-032022 (SLO)
Silva, Edward W. (deceased)	Silva, Manuel Jr. Silva, Helen E. Silva IV, LP Silva V, LP Silva VI, LP	092-031-006	1997-R-032022 (SLO)
Silva, Edward W. (deceased)	Silva, Manuel Jr. Silva, Helen E. Silva IV, LP Silva V, LP Silva VI, LP	113-040-009	1997-034227 (SB)
Silva, Helen, Executor of the Estate of Edward W. Silva		None	
Silva, Helen E.	Silva, Edward W. (deceased) Silva, Manuel Jr. Silva IV, LP Silva V, LP Silva VI, LP	113-040-009	1997-034227 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Silva, Helen E.	Silva, Edward W. (deceased) Silva, Manuel Jr. Silva IV, LP Silva V, LP Silva VI, LP	092-031-006	1997-R-032022 (SLO)
Silva, Irene	Silva, Jesse	091-311-028	12721 (SLO)
Silva, Jesse	Silva, Irene	091-311-028	1988-012721 (SLO)
Silva, Manuel Jr.	Silva, Edward W. (deceased) Silva, Helen E. Silva IV, LP Silva V, LP Silva VI, LP	092-031-006 092-031-005	1997-R-032022 (SLO) Unable to locate
Silva, Manuel Jr.	Silva, Edward W. (deceased) Silva, Helen E. Silva IV, LP Silva V, LP Silva VI, LP	113-040-009	1997-034227 (SB)
Silva, Nadine	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Dutra, Maria C. Bognuda, Geraldine		
Silveira, Frank Louis	Silveira, Maxine	113-050-029	2005-076720 (SB)
Silveira, Maxine	Silveira, Frank Louis	113-050-029	2005-076720 (SB)
Simas, Robert E.	Hicks, Carolyn Ed & Ida Simas LLC	117-170-022 117-170-023	2003-018943 (SB) 2003-018943 (SB)
Simas, Robert E.	Hicks, Carolyn Ed & Ida Simas LLC	128-101-015 128-101-016 128-101-017 092-061-005 092-211-002 092-211-011 092-371-001	2001-0001439 (SB) 2001-0001439 (SB) 2001-0001439 (SB) 2000-075709 (SLO) 2000-075709 (SLO) 2000-075709 (SLO) 2000-075709 (SLO)
Sites, Ruth B.		091-111-041	2005-001783 (SLO) 2004-075553 (SLO)
Skaggs, Donald	Skaggs, Doris	091-063-030	2001-070179 (SLO)
Skaggs, Doris	Skaggs, Donald	091-063-030	2001-070179 (SLO)
Smith, Bryn, N., individually and as Trustee U/D/T dated September 1, 1993, F/B/O the Smith Family)		091-232-015 105-010-021	2005-108614 (SLO) 1993-070818 (SB)
Smith, Elizabeth H.	Houston, Anthony	105-140-084	2002-136956 (SB)
Smith, Kenneth D.		129-240-023	2003-089391 (SB)
Snyder Family Trust		133-070-004	1998-002046 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Soto, Maria D.	Soto, Vincente R.	090-281-011	1976-27553 (SLO)
Soto, Vincente R.	Soto, Maria D.	090-281-011	1976-27553 (SLO)
Souza Family Trust		117-020-055 117-160-029	1998-103235 (SB) 1998-103235 (SB)
Souza, Arthur	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Dutra, Maria C. Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Souza, Clifford J.	Souza, Virginia L. Souza, Clifford J. and Virginia, Trust	113-050-019 113-050-023	1973-010293 (SB) 1972-015169 (SB)
Souza, Clifford J.	Souza, Virginia L. Souza, Clifford J. and Virginia, Trust	113-050-020 113-050-021 113-050-022 113-050-024	1993-0094120 (SB) 1993-0094120 (SB) 1993-0094120 (SB) 1993-0094120 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Souza, Clifford J. and Virginia L., Trust	Souza, Lucille Souza, Earl, Family Trust Souza, Janet Souza, Ronald Karleskint Family Trust Dated 1992 Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	117-160-022 117-160-002	2004-120130 (SB) 2004-120130 (SB)
Souza, Clifford J. and Virginia L., Trust	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Souza, Lucille Souza, Ronald Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	113-050-020 113-050-021 113-050-022 113-050-024	1993-0094120 (SB) 1993-0094120 (SB) 1993-0094120 (SB) 1993-0094120 (SB)
Souza, Clifford J. and Virginia L., Trust	various	113-050-019 113-050-023	2002-053753 (SB) 1972-015169 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Souza, Earl, Family Trust	Souza, Clifford J. and Virginia L., Trust Souza, Lucille Souza, Janet Souza, Ronald Karleskint Family Trust Dated 1992 Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)
Souza, Janet	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Lucille Souza, Ronald Karleskint Family Trust Dated 1992 Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Souza, Laura	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Souza, Mary R. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Souza, Lucille	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Souza, Ronald H. Karleskint Family Trust Dated 1992 Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Souza, Mary R.	Serpa Ranch Machado, Manuel Gibbons, Christina Mitchell, Carolyn Mallory, Douglas Cornell Lauer, Doris Mallory, Philip J. Lowers, Monica Chambers, Clara M. Rosa, Edward G. Dutra, Maria C. Souza, Arthur Pereira, Jeffrey, Trustee of the Pereira Living Trust Souza, Laura Rosa, Gerald, Trustee of the Anna M. Rosa Family Trust Machado, M.A. Jr. Machado, Edward Silva, Nadine Bognuda, Geraldine	092-211-006 092-211-007	2005-048328 (SLO) 1992-37112 (SLO) 2005-048328 (SLO) 1992-37112 (SLO)
Souza, Pauline		113-050-017 117-160-020	1969-017948 (SB) 1969-017948 (SB)
Souza, Ramona A.	Souza, Ronald H.	129-010-018	2002-010710 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Souza, Ronald H.	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Karleskint Family Trust Dated 1992 Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	117-160-002 117-160-022	2002-053753 (SB) 2004-120130 (SB)
Souza, Ronald H.	Souza, Clifford J. and Virginia L., Trust Souza, Earl, Family Trust Souza, Janet Souza, Lucille Karleskint Family Trust Dated 1992 Signorelli, Bernice, Trust Karleskint, Elizabeth, Trust Clyatt, Rose Marie Gabel, Mary Jo	129-010-018	2002-010710 (SB)
Souza, Ronald H., Successor in interest to the Irving and Delores Souza Trust		092-031-012 113-050-018	2005-016669 (SLO) 2005-005661 (SB)
Souza, Virginia L.	Souza, Clifford J. Souza, Clifford J. and Virginia, Trust	113-050-020 113-050-021 113-050-022 113-050-024	1993-0094120 (SB) 1993-0094120 (SB) 1993-0094120 (SB) 1993-0094120 (SB)
Souza, Virginia L.	Souza, Clifford J. Souza, Clifford J. and Virginia, Trust	113-050-019 113-050-023	1973-010293 (SB) 1972-015169 (SB)

December 21, 2007

Exhibit 1A
Page 153 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Staben, Jeanne L.		129-010-033	2007-0019379 (SB)
Staben, Jeanne L.		117-160-036	1998-103235 (SB)
Staben, John J.		129-010-033 107-240-008	2007-0019379 (SB) 2007-0037101 (SB)
Staben, John J.	Staben, Jeanne	117-160-036	1998-103235 (SB)
Stewart, Annette K.	Stewart, Robert R. Mahoney & Stewart	092-211-009	1987-067486 (SLO)
Stewart, Annette K.	Stewart, Robert R. Mahoney & Stewart	128-093-001 128-093-021	2006-052973 (SB) 1998-071138 (SB)
Stewart, Jessica		Not provided	
Stewart, Michael A.		075-181-020	1978-28826 (SLO)
Stewart, Robert R.	Stewart, Annette K. Mahoney & Stewart	128-093-001 128-093-021	2006-052973 (SB)
Stewart, Robert R.	Stewart, Annette K. Mahoney & Stewart	092-211-009	1987-067486 (SLO)
Stewart, Thomas		Not provided	
Storos, Walter W., individually and as Trustee of the Walter William Storos Revocable Living Trust		091-261-024	1997-063361 (SLO)
Streator, Jack L., individually and as Trustee	Streator, Patricia A. Stubblefield, Pauline Goodchild, Helen Toy, Yolanda	091-063-003	2000-I-001988 (SLO)
Streator, Patricia A.	Streator, Jack L., individually and as Trustee Stubblefield, Pauline Goodchild, Helen Toy, Yolanda	091-063-003	2000-I-001988 (SLO)
Struble, William E. and Laurie J., Trustees of the Struble Family Trust		091-121-067	1998-001289 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
dated March 12, 1993			
Struble, William E. and Laurie J., Trustees of the Struble Family Trust dated March 12, 1993		091-121-055 091-121-056 091-121-065 091-121-066 091-121-069	1994-049592 (SLO) 1998-075729 (SLO) 1993-024522 (SLO) 1993-024522 (SLO) 1993-024540 (SLO)
Stubblefield, Pauline	Streator, Jack L., individually and as Trustee Streator, Patricia A. Goodchild, Helen Toy, Yolanda	091-063-003	Unable to locate deed
Studer, Jean M.	Studer, Theodore	129-160-030	1993-084709 (SB)
Studer, Theodore	Studer, Jean M.	129-160-030	1993-084709 (SB)
Sunrise Terrace Mobilehome Owners Association, Inc.		Not provided	
Sutti, Emilio Edward, individually and as Trustee of the Sutti Living Trust	Cullivan, Janet	113-210-008 113-210-014 113-210-016 113-240-014	1998-054348 (SB) 1998-054348 (SB) 1998-054348 (SB) 1998-054348 (SB)
Sutti, Emilio Edward, individually and as Trustee of the Sutti Living Trust	Cullivan, Janet	111-240-029	1998-028024 (SB)
Sutti, Lillian	Harney, Sally	111-240-028	1989-079508 (SB)
Tanamachi, Charles		091-192-024 091-192-010 191-193-013	Unable to locate Unable to locate Unable to locate
Tanamachi, June		091-192-024 091-192-010 191-193-013	Unable to locate Unable to locate Unable to locate

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Tanner, Sharon A.		092-181-035	2005-077716 (SLO)
Tanner, Sharon A.		092-181-036	2005-077716 (SLO)
Taylor, Diane	various	075-131-005	1990-034785 (SLO) 1984-22234 (SLO) 1984-22230 (SLO) 1984-22231 (SLO) 1984-22232 (SLO) 1984-22233 (SLO) 1984-22235 (SLO) 1984-22236 (SLO) 1984-22237 (SLO)
Taylor, Diane	various	061-134-001 061-134-006 061-134-007 061-134-008 061-331-010 075-011-043 075-011-044	6203 (SLO) 16779 (SLO) 1996-I-002269 (SLO) 1996-012400 (SLO) 1996-I-000230 (SLO) 1996-012400 (SLO) 70186 (SLO) 1991-R-070186 (SLO)
Taylor, John	various	075-131-005	1990-034785 (SLO) 1984-22234 (SLO) 1984-22230 (SLO) 1984-22231 (SLO) 1984-22232 (SLO) 1984-22233 (SLO) 1984-22235 (SLO) 1984-22236 (SLO) 1984-22237 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Taylor, John	various	061-134-001 061-134-006 061-134-007 061-134-008 061-331-010 075-011-043 075-011-044	6203 (SLO) 16779 (SLO) 1996-I-002269 (SLO) 1996-012400 (SLO) 1996-I-000230 (SLO) 1996-012400 (SLO) 70186 (SLO) 1991-R-070186 (SLO)
Taylor, John, Trustee		061-331-011 075-121-004 075-121-008 075-121-009 075-121-010 061-331-004 006-095-002	1996-I-000230 (SLO) 1996-I-000230 (SLO) 1996-R-012400 (SLO) 1996-I-000230 (SLO) 1996-I-000230 (SLO) 1996-I-000230 (SLO) 1996-I-000230 (SLO)
Taylor, Pauline E.		129-210-028	1999-035074 (SB)
Taylor, Pauline E.		101-050-004	1999-035074 (SB)
TH Limited Partnership		128-095-003 128-095-004	97-011638 (SB) 97-011636 (SB)
Thompson, Dorothy M.	Thompson, Bob	128-091-002 128-091-003 128-091-004 128-091-005 128-098-001 128-098-002	1994-051209 (SB) 1994-051209 (SB) 1994-051210 (SB) 1994-051209 (SB) 1994-051210 (SB) 1994-051210 (SB)
Thompson, Linda	Thompson, Thomas F.	128-091-007	1984-062151 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Thompson, Bob	Thompson, Dorothy	128-091-002 128-091-003 128-091-004 128-091-005 128-098-001 128-098-002	1994-051209 (SB) 1994-051209 (SB) 1994-051210 (SB) 1994-051210 (SB) 1994-051209 (SB) 1994-051210 (SB)
Thomas, Robert C.		128-091-006	1994-037989 (SB)
Thompson, Thomas F.	Thompson, Linda	128-091-007	1984-062151 (SB)
Tomooka Brothers, GP		092-061-002 092-231-001 113-070-005 113-070-006 113-070-019 113-070-020	1992-11311 (SLO) 1992-011310 (SLO) 1977-063297 (SB) 1977-063297 (SB) 1978-25356 (SB) 1978-25356 (SB)
Tompkins, Kathleen J.	Tompkins, Nicholas J.	113-070-010 113-100-002 113-070-011	2004-082605 (SB) 2004-082605 (SB) 2004-082605 (SB)
Tompkins, Kathleen J.	Tompkins, Nicholas J.	092-031-003	1995-015462 (SLO)
Tompkins, Nicolas	various	113-070-029	2002-030656 (SB)
Tompkins, Nicolas	Tompkins, Kathleen	113-070-010 113-100-002 113-070-011	2004-082605 (SB) 2004-082605 (SB) 2004-082605 (SB)
Tompkins, Nicolas	various	113-270-013 113-270-018 113-280-007 113-280-008 092-031-003	1989-082609 (SB) 1989-082609 (SB) 1989-082609 (SB) 1989-082609 (SB) 1995-015462 (SLO)
Torres, Marlene, Trustee	Torres, Robert, Trustee	129-151-049	2005-083512 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Torres, Robert, Trustee	Torres, Marlene, Trustee	129-151-049	2005-083512 (SB)
Toste, Anthony	Toste, Daniel R. Toste, Deanna	075-211-021	2006-055715 (SLO)
Toste, Anthony	Toste, Daniel R. Toste, Deanna	075-211-020	2005-008559 (SLO)
Toste, Daniel R.	Toste, Deanna Toste, Anthony	075-211-020	2005-008559 (SLO)
Toste, Daniel R.	Toste, Deanna Toste, Anthony	075-211-021	2006-055715 (SLO)
Toste, Deanna	Toste, Daniel R. Toste, Anthony	075-211-021	2006-055715 (SLO)
Toste, Deanna	Toste, Daniel R. Toste, Anthony	075-211-020	2005-008559 (SLO)
Tower Grove Vintners, Inc. (dba Laetitia Vineyard and Winery)		Not provided	
Town and Country Community, L.P.		129-280-002	2005-0086173 (SB)
Toy, Yolanda	Stubblefield, Pauline T. Goodchild, Helen	105-380-033	2004-123514 (SB)
Travis, Dorothy B. Trust		129-180-006 129-180-007 129-180-008 129-180-009	2007-0004471 (SB) 2007-0004471 (SB) 2007-0004471 (SB) 2007-0004471 (SB)
Treur, Henny		117-820-021	Unable to locate
Treur, Henny		117-820-022	2007-0015093 (SB)
Tri-M Rental Group		090-431-006	1999-074139 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Tri-M Rental Group		090-431-007 090-431-016 128-101-007 129-030-003 129-030-005 129-030-009 129-030-013 129-030-014 129-030-015 129-030-016 129-030-017 129-030-019 129-040-001 129-040-002 129-040-008 129-040-009 129-040-010 129-040-011 113-150-021	2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020549 (SB) 1998-075363 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2001-0020552 (SB) 2002-100405 (SB)
Tunnell Ranch	various	129-100-014 129-100-021	2006-0063723 (SB) 2006-0063723 (SB)
Tunnell Ranch	Tunnell, Arthur Donner, Marianne, Donne, Trustee of the Tunnell Trust Reed, William Jr., Trustee of the E. Tunnell Trust Tunnell, Cecilia Marsalek, Joseph F.	129-100-019	2007-008204 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Tunnell, Arthur	various	129-100-014 129-100-021	2006-0063723 (SB) 2006-0063723 (SB)
Tunnell, Arthur	Donner, Marianne, Trustee of the Tunnell Trust Tunnell Ranch Reed, William Jr., Trustee of the E. Tunnell Trust Tunnell, Cecilia Marsalek, Joseph F.	129-100-019	2007-008204 (SB)
Tunnell, Cecilia	Tunnell, Arthur Donner, Marianne, Trustee of the Tunnell Trust Tunnell Ranch Reed, William Jr., Trustee of the E. Tunnell Trust Marsalek, Joseph F.	129-100-019	2007-008204 (SB)
Tunnell, Cecilia	various	129-100-014 129-100-021	2006-0063723 (SB) 2006-0063723 (SB)
Union Asphalt, Inc.		129-110-008 129-110-021 129-220-016 129-220-034 129-220-017	1994-063765 (SB) 1990-073376 (SB) 1996-001940 (SB) 1998-057825 (SB) 1983-30957 (SB)
Union Asphalt, Inc.		129-210-023 129-210-031 129-210-036 129-220-011 129-220-015	2007-0032265 (SB) 2007-0032265 (SB) 2007-0032265 (SB) 2007-0032265 (SB) 2007-0032265 (SB)
Union Asphalt, Inc.		129-220-024 129-220-023	1983-030957 (SB) 2001-005079 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		008-0011-608129 008-0012-608130 008-0017-608131 008-0019-608132 008-0021-608133 009-0001-608136 009-0002-608137 009-0003-608138 075-281-031 115-010-020	unable to locate unable to locate unable to locate unable to locate unable to locate unable to locate unable to locate unable to locate 1991-I-007953 (SLO) unable to locate
Union Oil Company of California		111-360-084 111-360-083	2005-0081672 (SB) 2005-0081675 (SB)
Union Oil Company of California		117-310-004 117-310-005 117-310-006 117-310-007 117-310-008 117-310-009 117-310-010 117-320-016 117-320-017	2005-0114486 (SB) 2005-0114486 (SB) 2005-0114486 (SB) 2005-0114486 (SB) 2005-0114486 (SB) 2005-0114486 (SB) 2005-0114486 (SB) 2007-0033424 (SB) 2007-0033425 (SB)
Union Oil Company of California		109-230-014 117-820-015	2002-0112997 (SB) 2003-0012667 (SB)
Union Oil Company of California		129-020-013	1996-021714 (SB)
Union Oil Company of California		117-250-026	1948-010319 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Union Oil Company of California		091-053-033 109-239-015 109-360-009 111-360-087 113-240-007 117-250-030 117-310-003 117-320-001 128-066-018 128-066-019 128-066-038 128-071-005 128-093-002 128-093-003 128-093-004 128-093-005 128-093-008 128-101-011 117-490-030 129-020-013	2004-I-002946 (SLO) 2003-081343 (SB) 2004-018904 (SB) 2005-081675 (SB) 1994-019654 (SB) Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate 1949-010094 (SB) Unable to locate
Union Oil Company of California		105-380-012	2007-0049110 (SB)
Union Oil Company of California		105-380-001 105-380-002 105-380-003 105-380-004 105-380-005 105-380-006 105-380-007 105-380-008	2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		105-380-009 105-380-010 105-380-013 105-380-014 105-380-015 105-380-016 105-380-017 105-380-018 105-380-019 105-380-021 105-380-022 105-380-023 105-380-024 105-380-025 105-380-026 105-380-027	2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB) 2005-0122937 (SB)
Union Oil Company of California		113-050-037 113-040-015	2006-024590 (SLO) 2006-024590 (SLO)
Union Oil Company of California		091-053-033 109-239-015 109-360-009 111-360-087 113-240-007 117-250-026 117-250-030 117-310-003 117-310-004 117-310-005 117-310-006	2004-I-002946 (SLO) 2003-081343 (SB) 2004-018904 (SB) 2001-093803 (SB) 1948-010319 (SB) Unable to locate Unable to locate Unable to locate 2005-114486 (SB) 2005-114486 (SB) 2005-114486 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
		117-310-007 117-310-008 117-310-009 117-310-010 117-320-001 117-320-016 117-320-017 128-066-018 128-066-019 128-066-038 128-071-005 128-093-002 128-093-003 128-093-004 128-093-005 128-093-008 128-101-011 117-490-030	2005-114486 (SB) 2005-114486 (SB) 2005-114486 (SB) 2005-114486 (SB) Unable to locate 2007-033424 (SB) 2007-033425 (SB) unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate 1949-010094 (SB) Unable to locate
Union Oil Company of California		113-030-003	2006-0094759 (SB) 2006-024588 (SLO)
Valley Investment Co.		047-161-012 047-161-010 047-161-023	Unable to locate Unable to locate Unable to locate
Varini, Lorenzo	various	113-240-001 113-240-010	2007-0038481 (SB) 2007-0038481 (SB)
Varini, Lorenzo	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella	113-080-006	1991-009647 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina		
Varini, Lorenzo	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-110-001 117-240-006	1991-009647 (SB) Unable to locate
Varini, Riccardino	various	113-240-001 113-240-010	2007-0038481 (SB) 2007-0038481 (SB)
Varini, Riccardino	Wineman, Ernest C. Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella	113-080-006	1991-009647 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
	Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina		
Varini, Riccardino	Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Cameroni Moretti, Paola Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-110-001 117-240-006 128-071-002	1991-009647 (SB) Unable to locate Unable to locate
Ventura, Robin	Ventura, Stephanie	129-100-029	2000-0045145 (SB)
Ventura, Stephanie	Ventura, Robin	129-100-029	2000-0045145 (SB)
Victorino, Cindy L.	Victorino, Roy	075-181-027	2007-R-026939 (SLO)
Victorino, Roy	Victorino, Cindy L.	075-181-027	2007-R-026939 (SLO)

December 21, 2007

Exhibit 1A
Page 168 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Village of North Point Homeowners Association		107-470-002	1981-14532 (SB)
Vincent Family Ranches		128-092-004 128-092-005 128-092-008	1984-029276 (SB) 1984-029276 (SB) 1984-029276 (SB)
Vreeland, Kathleen	Lanini, Stella Lanini, Roland Hart, Arletta Lanini, Peggy Allen, Carol	113-040-003	2007-0054038 (SB)
Vreeland, Kathleen	Lanini, Stella Lanini, Roland Hart, Arletta Lanini, Peggy Allen, Carol	113-949-003	Unable to locate
Wage, Julie Marsalek		129-100-014 129-100-021	2006-0063723 (SB) 2006-0063723 (SB)
Waller, June S.		075-031-009 075-031-017 113-140-003 113-140-008 113-140-011	1983-R-C33999 (SLO) 1983-R-C33999 (SLO) 1983-36221 (SB) Unable to locate Unable to locate
Waller, June S.		115-140-015	2005-000246 (SB)
Wal-mart Real Estate Business Trust		128-137-018	1997-062164 (SB)
Walsh, Harold		090-131-001	Unable to locate
Ware, Roxanne	Gilder, James, Trust Gilder, James Gilder, Dolores Lanini, Eloise Lanini, Roland	091-201-054 091-201-055	2003-144070 (SLO) 1996-046106 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Ware, Roxanne	Gilder, Dolores Lanini, Eloise Lanini, Roland Gilder, James	091-201-054 091-201-055	2003144070 (SLO) 1996-046106 (SLO)
Weatherby, Patricia, Trust		Not provided	
Weldon, Marilyn	Weldon, Richard	113-120-020	2003-001612 (SB)
Weldon, Marilyn	Weldon, Richard	090-271-011	1986-045008 (SLO)
Weldon, Olga	Abel, Marilee Franklin, Donna M. Franklin, Douglas Franklin, Paul Giacomini Ranch Weldon, Richard Weldon, Steve Weldon, Tony	117-121-026	Unable to locate
Weldon, Richard	Abel, Marilee Franklin, Donna M. Franklin, Douglas Franklin, Paul Giacomini Ranch Weldon, Olga Weldon, Steve Weldon, Tony	117-121-026	Unable to locate
Weldon, Richard	Weldon, Marilyn	113-120-020	2003-001612 (SB)
Weldon, Richard	Weldon, Marilyn	090-271-011	1986-045008 (SLO)
Weldon, Steve	Abel, Marilee Franklin, Donna M. Franklin, Douglas Franklin, Paul Giacomini Ranch Weldon, Olga Weldon, Richard Weldon, Tony	117-121-026	Unable to locate

December 21, 2007

Exhibit 1A
Page 170 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Weldon, Tony	Abel, Marilee Franklin, Donna M. Franklin, Douglas Franklin, Paul Giacomini Ranch Weldon, Olga Weldon, Richard Weldon, Steve	117-121-026	Unable to locate
West Bay Company LLC		103-070-004 107-300-007 107-300-008 107-300-012 129-120-001 129-120-023 129-151-029 129-151-031 129-151-032 129-151-033	1998-048516 (SB) 1998-048516 (SB) 1998-048516 (SB) 1998-048516 (SB) 1998-048516 (SB) 1998-048516 (SB) 1998-048516 (SB) 1998-048516 (SB) 1998-048516 (SB) 1998-048516 (SB)
West Bay Company LLC		129-050-012 129-050-015 129-050-016	Unable to locate Unable to locate Unable to locate
Western Media, Inc.		005-241-066	13413 (SLO)
Western Refrigeration and Cold Storage Co.		117-240-026	81-5711 (SB)
Westphal, Carol	Hilliard, Don	091-073-048	2000-007753 (SLO)
Whiterock Company		129-110-001 129-110-004	1996-077585 (SB) 1996-077587 (SB)
Wickenden Family Trust	Dore, LP	133-070-030 133-070-031	2006-054837 (SB) 2006-054839 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number ¹
Wickenden Family Trust	Dore, LP	101-050-017 101-050-016	2006-0054837 (SB) 2006-0054838 (SB)
Will, Jill	Will, Kevin	129-240-011	1999-060273 (SB)
Will, Kevin	Will, Jill	129-240-011	1999-060273 (SB)
Williams Holding Company		101-040-010 101-040-015 101-040-024 101-070-006 129-210-006	1975-021752 (SB) Unable to locate 1975-021752 (SB) 1975-027813 (SB) 1975-027812 (SB)
Williams, Kay		075-081-005	2001-I-003435 (SLO)
Wilson, Gary M.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Bettencourt, Catherine	091-121-079	2005-032962 (SLO)
Wilson, Gary M.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Bettencourt, Catherine	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Wilson, Gary M.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Bettencourt, Catherine	091-121-064	2005-016471 (SLO) 2004-R-096188 (SLO)
Wilson, Gary M.	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Bettencourt, Catherine	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO) 2004-R-096188 (SLO)
Wilson, Susan	Bettencourt, Catherine Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	0091-121-079	2005-032962 (SLO)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Wilson, Susan	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-064	2005-016471 (SLO) 2004-R-096188 (SLO)
Wilson, Susan	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-078 091-121-063	2005-R-032962 (SLO) 2005-R-016472 (SLO) 2004-R-096188 (SLO)
Wilson, Susan	Wilson, Susan M. Fratello, Florence (spouse, Frank Fratello deceased) Bettencourt, James Jr. Bettencourt, Catrina Bettencourt, James III Owen, Christina M. Owen, Stephanie S. Wilson, Gary M.	091-121-076 091-121-077	2004-096187 (SLO) 2004-096187 (SLO)
Wineman, Chris	Lenger, Jeanette F. Wineman, Ernest, Jr. Ferini, Andre	113-040-011	2007-0021952 (SB)
Wineman, Dean A.	Cooper, Janice F.	128-092-002 128-092-001	2003-071627 (SB) 2003-071627 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Wineman, Ernest	Wineman, Peggie Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)
Wineman, Ernest, Jr.	Lenger, Jeanette F. Wineman, Chris Ferini, Andre	113-040-011	2007-0021952 (SB)
Wineman, Peggie L.	Wineman, Ernest C. Moretti, Peter M. Cotti, Nicola Cotti, Rossella Herold, Maria Herold, George Moretti Cotti, Liliana Magoria Landolt, Floridita Landolt, Lea Landolt-Ritter, Claudine Varini, Riccardino Varini, Lorenzo Moretti, Michele Crettenand Moretti, Isabella Favre Moretti, Christina	113-080-006	1991-009647 (SB)

December 21, 2007

Exhibit 1A
Page 175 of 177

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Wise, Diana Stewart	Wise, Fred F.	129-240-010	1992-091763 (SB)
Wise, Fred F.	Wise, Diana Stewart	129-240-010	1992-091763 (SB)
Wolfe, Douglas, Revocable Trust		113-040-004	84-065832 (SB)
Wood, Mary W.	Wood, Steven W.	101-050-011 101-050-045	2005-0010881 (SB) 2005-0010881 (SB)
Wood, Steven W.	Wood, Mary W.	101-050-011 101-050-045	2005-0010881 (SB) 2005-0010881 (SB)
Woodland Park Mutual Water Company		091-341-048 091-341-050 091-351-057 091-193-043 091-193-046 091-194-065	Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate Unable to locate
Woodlands Ventures		091-211-009 091-211-018 091-221-001 091-261-025 092-411-003	2002-093395 (SLO) 2002-093395 (SLO) Unable to locate 2002-093395 (SLO) 2002-093395 (SLO)
Woods, Edwin N.	Woods, Jeanne P.	129-260-031 129-260-033	1996-010355 (SB) 1996-010355 (SB)
Woods, Edwin N. and Jeanne P., Trustees		129-110-002	2004-090775 (SB)
Woods, Jeanne P.	Woods, Edwin N.	129-260-031 129-260-033	1996-010355 (SB) 1996-010355 (SB)
Work, Carmen		091-054-012	1998-059750 (SLO)
Wortley, Lou Jean	Wortley, Rollin K.	128-064-005	1997-060500 (SB)
Wortley, Lou Jean	Wortley, Rollin K.	128-064-004	1993-06426 (SB)
Wortley, Rollin K.	Wortley, Lou Jean	128-064-005	1997-060500 (SB)

December 21, 2007

Stipulating Party	Co-Owner Per Stipulation	APN	Deed No. or Deed Reference Number¹
Wortley, Rollin K.	Wortley, Lou Jean	128-064-004	1993-06426 (SB)
Yokoyama, Howard		091-192-024 091-192-010 191-193-013	Unable to locate Unable to locate Unable to locate
Yokoyama, Nadine		091-192-024 091-192-010 191-193-013	Unable to locate Unable to locate Unable to locate
Zimmerman, David	Zimmerman, Joan	129-010-021	1976-002032 (SB)
Zimmerman, Joan	Zimmerman, David	129-010-021	1976-002032 (SB)

December 21, 2007

Exhibit 1B

IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA

IN AND FOR THE COUNTY OF SANTA CLARA

DEPARTMENT 17

SANTA MARIA VALLEY WATER)	Case No. CV 770214
CONSERVATION DISTRICTS, A PUBLIC)	
ENTITY,)	ORDER AFTER HEARING GRANTING
) NIPOMO COMMUNITY SERVICES)	
Plaintiff,)	DISTRICT'S MOTION FOR SUMMARY
)	ADJUDICATION
vs.)	
)	
CITY OF SANTA MARIA, A MUNICIPAL)	
CORPORATION, ET AL.)	
_____)	
AND RELATED CROSS-ACTIONS.)	
_____)	

The above-entitled matter came on regularly for hearing on January 8, 2001, at 1:30 p.m., the Honorable Conrad L. Rushing presiding. Counsel Robert Dougherty appeared on behalf of the Land Owner Group Parties and Steven Saxton, appeared on behalf of Plaintiffs and James Markman appeared on behalf of Nipomo Community Services District, Henry Weinstock appeared on behalf of Northern Cities and Ryan Bezzera appeared on behalf of Rancho Maria, et al. The Court, having read and considered the supporting and opposing papers, and having heard and considered the arguments of counsel, and good cause appearing therefor, makes the following order:

IT IS ORDERED THAT:

Nipomo Community Services District's Motion for Summary Adjudication is GRANTED. The Court grants all joinders. Based on the Land Owner Group's concession that the adoption of the "Foreman Line" is appropriate, as well as the concession offered by Mr. Slade that he does not disagree with Mr. Foreman on the "outermost" basin boundary, the Court finds that there is no triable issue of material fact as to the "outermost" basin boundary as articulated in the Declaration of Terry Foreman, dated December 8, 2000, and as depicted on Exhibit 1 thereto¹. (See Nipomo's Statement of Material Fact #3, evidence in support and in opposition thereto.) Therefore, the moving parties are entitled to judgment on all affirmative defenses dealing with uncertainty of the basin boundaries.

The Court finds that the outermost lateral boundary of the Santa Maria Valley Groundwater Basin ("the Basin") lies along a type of material that does not readily transmit water, that is, for the purposes of this case, it is impermeable (impermeable is used here to mean only that the rocks, sediments and other materials do not readily transmit water). Thus, material (rock, sediments, sand, etc.) that do readily transmit water are within the basin.

Those that do not readily store and transmit water are the Foxen Formation or older, including the Franciscan Formation, the Knoxville Formation, the Monterey Formation, the Obispo Formation, and the Sisquoc Formation; and those that do readily store and transmit water are the Careaga Sandstone or younger, including the Careaga Formation, the Pismo Formation, the Paso Robles Formation, time-

¹The boundary described herein is shown on that certain map marked Exhibit 1, by a black dash double dot line and said Exhibit is in evidence and a part of this Order.

equivalent Paso Robles Formation, Orcutt Formation, terrace deposits, young and old alluvium, and dune and sand deposits, with the following three exceptions:

- a. The southern boundary along the Solomon Hills is located on the axis of antic lines where the Careaga Sandstone and Paso Robles Formation dip in the Basin on the north side of the axis and dip into a separate basin, the San Antonio Basin, on the south side of the axis;
- b. Where the Basin boundary crosses tributary streams, the boundary is located across the mouth of each such stream to directly connect the closest bedrock contacts on each side of that stream; and,
- c. The western boundary of the Basin is the Pacific Ocean.

The vertical boundary of the Basin is located at the contact between those rocks and sediments that readily store and transmit water (generally, the Careaga Formation and younger) and those rocks and sediments that do not readily store and transmit water (generally, the Foxen Formation and older) as described above in reference to the lateral boundary of the Basin, except that in the northeast portion of the area north of the Santa Maria River, the vertical Basin boundary extends to the base of the Obispo tuffs of the Obispo Formation. The Obispo tuffs underlie the alluvium of the Nipomo Valley, and extend beneath the Paso Robles Formation northerly to the Arroyo Grande Valley.

SO ORDERED.

Dated: January 9, 2001

[ORIGINAL SIGNED]
CONRAD L. RUSHING

CMS
FILED
DEC 21 2001
KIM TORRE
Clerk of the Court
County of Santa Clara
DEPUTY

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

**SUPERIOR COURT OF CALIFORNIA
COUNTY OF SANTA CLARA
DEPARTMENT 17C**

SANTA MARIA VALLEY WATER
CONSERVATION DISTRICTS, a
public entity,

Plaintiff,

vs.

CITY OF SANTA MARIA, a municipal
corporation, et al.,

Defendants,

AND RELATED CROSS-ACTIONS

Case No. CV 770214

ORDER AFTER HEARING RE:
TRIAL (PHASE II)

Hearing Date: October 9, 2001
Time: 8:45 a.m.
Dept.: 17C

Judge: Hon. Conrad L. Rushing

Trial of Phase II of the above-entitled matter came on regularly on October 9, 2001, at 10:00 a.m., the Honorable Conrad L. Rushing presiding. The Court, having considered the testimony, declarations and exhibits, and good cause appearing therefor, issues the following decision and order:

Plaintiff's motion for an order establishing the geographic area constituting the Santa Maria Groundwater Basin (hereinafter "Basin"), for the purposes of this case, is hereby GRANTED.

The Court finds that the boundary of the Basin is that described on the map filed as Exhibit 5 with the Declaration of Robert C. Wagner dated November 20, 2001 (which can be found currently at <http://www.sccomplex.org/docfiles/QD0CB28E06D5.pdf>), hereinafter referred to as the

1 "Boundary Line." Each of the parties to the Phase II proceedings on October 9, 2001, stipulated to
2 the Court's determining the Boundary Line of the Basin. The Basin shall also include for purposes
3 of adjudication herein all those parcels of land, which are shown on the said Exhibit 5 and listed on
4 Exhibit 6 to the said Declaration of Robert C. Wagner, which either touch or are intersected by the
5 Boundary Line, to the full extent of the perimeter of such parcels. The Court has not at this time
6 received full briefing as to whether there are legal issues as to such parcels which touch or are
7 intersected by the Boundary Line, concerning whether owners of such parcels may appropriate water
8 from the Basin for the use of the remainder of the subject parcels, whether the owners of such parcels
9 are considered to be landowners or purveyors, or whether their rights to extract or export water are
10 affected by their parcels not being fully within the Basin. Thus, at this time, until further order, the
11 Court orders that those parcels are to be considered within the Basin.

12 The Court finds on the basis of the evidence presented that the Boundary Line demarcates
13 the boundary of the Basin, and that the Basin constitutes the area beneath which groundwater exists
14 in sufficient quantities to be meaningfully included in this lawsuit. The Court also finds that the
15 area previously included in the "outermost basin boundary," but excluded by the Boundary Line,
16 contains potentially water-bearing materials, but nevertheless lacks actual groundwater in amounts
17 sufficient to justify including that area in this case for purposes of adjudicating the various claims
18 to groundwater in the Basin. Owners of lands beneath which no significant groundwater supply
19 exists do not have property right claims concerning such water that present a justiciable issue.
20 Similarly, owners of lands beneath which no significant groundwater supply exists should not be
21 permitted to assert, by virtue of their ownership of such lands, claims respecting groundwater
22 supplies underlying adjacent or nearby lands.

23 The Court further finds that the Declaration of Robert C. Wagner dated November 20, 2001,
24 attached to this Order, along with Mr. Wagner's map and table of parcels, attached as Exhibits 5 and
25 6, set forth sufficient detail regarding the specific parcels traversed by the Basin Boundary Line so
26 as to apprise potentially affected landowners and other interested parties of the location of the Basin
27 and Boundary Line fixed by this Order. A digital rendition of the map prepared by Mr. Wagner to
28 depict affected parcels is posted for inspection on the Court's website.

2 The Court determines that only the lands, groundwater extraction claims and claims to
3 groundwater storage rights within the Boundary Line shall be subject to claims in this lawsuit. The
4 Court has considered the possibility that ground water charging and storage might extend the
5 boundaries of the basin but finds at this point that there is *insufficient* evidence of that affecting the
6 prospective orders to be made by this Court.

7 The motion of the Northern Cities (joined by other parties) that the Northern Cities Area be
8 conditionally severed from this litigation, is denied. The Northern Cities Area is also shown on the
9 map which is attached as Exhibit 5 to the Declaration of Wagner. That area shall remain within the
10 Basin and Boundary Line fixed in this Order. The Court finds that a comprehensive judgment in this
11 litigation is advisable and necessary, in that only such a comprehensive judgment would prevent later
12 litigation of the same issues, prevent the risk of rulings which are inconsistent, and prevent erroneous
13 rulings which may be affected by facts which would be adduced if the interests of all parties who
14 may be affected by these rulings were represented and involved throughout this litigation. Cases
15 cited by the proponents of severance can also be read as indicating that retaining the Northern Cities
16 Area in the litigation is necessary to render an effective judgment. Orange County Water District
17 v. City of Riverside (1959) 173 Cal.App.2d 137, 173 ("Undoubtedly the preferable course is, so
18 far at least as is practicable, to 'have all owners of lands on the watershed and all appropriators who
19 use water in court at the same time"); City of Chino v. Superior Court (1967) 255 Cal.App.2d
20 747, 752 ("Because of the failure of OCWD in that earlier suit to join as defendants all claimants to
21 prescriptive rights to water from the Upper and Middle Basins, many questions were left
22 unanswered").

23 The Court has listened to the testimony and read the exhibits submitted, and additionally the
24 supplemental memorandum of Richard C. Slade and supplemental declaration of Terry L. Foreman.
25 The Court finds that there is no substantial controversy that the Northern Cities Area, the Nipomo
26 Mesa and the Santa Maria Valley area all overlie one large groundwater basin. Each area is subject
27 to the same general climatologic and hydrologic conditions. The Court concludes there are no
28 geologic or hydrologic features that separate the Northern Cities Area from the remainder of the
Basin encompassed by this litigation. The Court must consider that the water rights to be

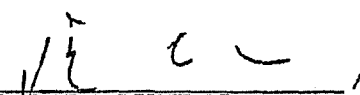
1 determined in this litigation will apply to situations that might occur in other than a "best case"
2 scenario. Future conditions could produce adverse impacts, such as drought, earthquake, failure of
3 the Lopez Reservoir, or failure of the Northern Cities for other reasons to adhere to the so-called
4 'gentlemen's agreement' governing groundwater pumping in the Northern Cities Area.
5 Representatives of the Northern Cities failed to stipulate to quieting title in other parties who have
6 sued the Northern Cities for whatever rights they may possess, and failed to stipulate that they would
7 desist from claiming water rights in the remainder of the Basin in such an eventuality. Indeed, it
8 appears from the testimony that groundwater pumping in the Northern Cities area can potentially
9 increase the flow of water to it from other parts of the Basin.

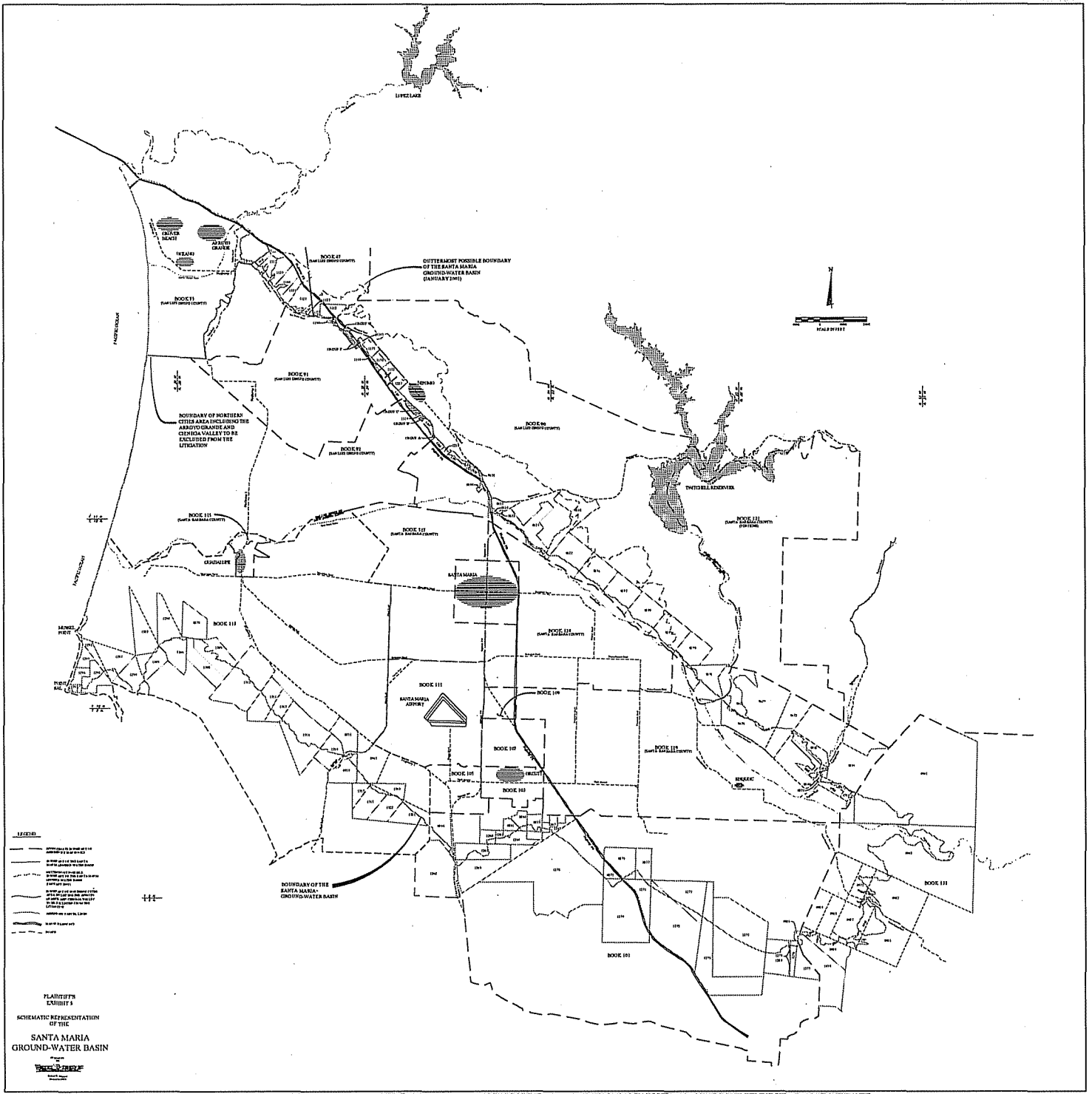
10 The parties reluctance to retain the Northern Cities area in the litigation appears to stem from
11 the prospect of joining and serving all landowners in the Northern Cities area whose rights may
12 potentially be affected. It may be possible, however, to obtain effective representation and due
13 process for such landowners by means of a class action, after due notice is provided, in which such
14 landowners are a defendant class. United States v. Truckee-Carson Irrigation District (D.Nev. 1975)
15 71 F.R.D. 10. The Court would entertain a motion to amend the cross-complaints or other pleadings
16 to join the landowners in that area as a defendant class, represented by a handful of interested
17 landowners who are similarly situated, in lieu of joinder of each owner. The Court would also
18 entertain a motion, briefing and argument as to why it may be inappropriate or inconvenient to
19 adjudicate the matter by means of a defendant class.

20 Any litigant now in the action who is asserting a quiet title claim concerning property outside
21 of the Boundary Line must move for severance of that claim from this action and must file such a
22 motion on or before thirty (30) days following service of this Order. Any such claims for which no
23 motion to sever is filed will be dismissed without prejudice on motion of any party or by the Court
24 on its own motion.

25 SO ORDERED.

26
27 Dated DEC 21 2001

28 
CONRAD L. RUSHING
Judge of the Superior Court



0118
FILED

JAN 25 2002

KEITH TORRE
Clerk of the Superior Court
Superior Court of California County of Santa Clara
BY: ELIZABETH HANSEN Deputy

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

SUPERIOR COURT OF CALIFORNIA
COUNTY OF SANTA CLARA
DEPARTMENT 17C

SANTA MARIA VALLEY WATER
CONSERVATION DISTRICTS, a
public entity,

Plaintiff,

vs.

CITY OF SANTA MARIA, a municipal
corporation, et al.,

Defendants,

Case No. CV 770214

ORDER WITH RESPECT TO BRIEF OF
CONOCO, INC., NUEVO ENERGY
COMPANY, AERA ENERGY LLC,
TEXACO EXPLORATION AND
PRODUCTION, INC. AND CHEVRON
USA, INC.

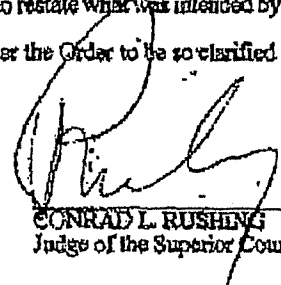
AND RELATED CROSS-ACTIONS

IT IS HEREBY ORDERED:

The Court shall not be holding a hearing with respect to the brief of Conoco, Inc., Nuevo Energy Company, Aera Energy LLC, Texaco Exploration And Production Inc., and Chevron USA Inc., or request for clarification requested therein. The Court finds that the request for clarification found in the Conclusion section of the said Brief appears to restate what was intended by the Court's Order filed December 21, 2002. The parties may consider the Order to be so clarified if it aids in further proceedings in this matter.

SO ORDERED.

Dated: JAN 25 2002



CONRAD L. RUSHING
Judge of the Superior Court

TOTAL PAGES:

***Note:** Pursuant to the Court's Order, July 16, 2007, pages 10 through and including 16 of Exhibit 1B to the Stipulation, dated June 30, 2005, have been removed and replaced with this page.*

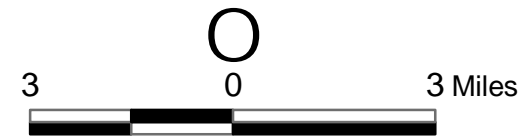
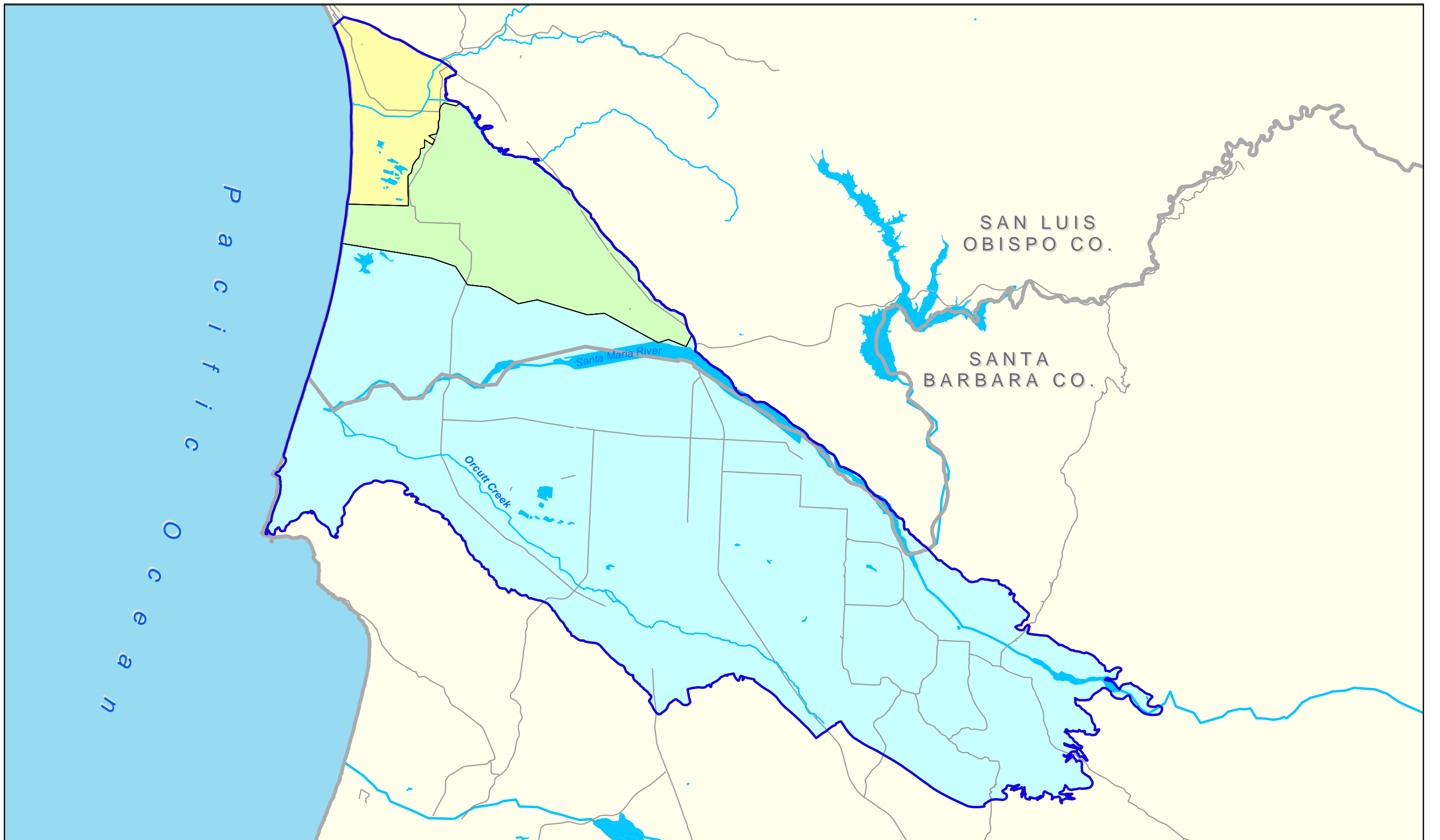
CONCLUSION

In light of this Court's prior orders and decrees, the provisions of the Order, and the above-cited authorities, the Oil Group parties respectfully request confirmation from the Court that the December 21, 2001 order and decision provides, with regard to the issues raised in this Brief, as follows:

(1) That the boundary of the Basin is as depicted on the Exhibit 5 to the Declaration of Robert C. Wagner, dated November 20, 2001. Specifically, the boundary of the Basin is that line identified on the legend to the map as "boundary of the Santa Maria Ground-Water Basin" depicted on the map as a **solid magenta** colored line; and

(2) That the Basin boundary is not that line identified on the legend to the map as the "Assessors' Parcel Lines" depicted on the map as a **solid orange** colored line.

Exhibit 1C



Legend

- Santa Maria Groundwater Basin
- Northern Cities Management Area
- Nipomo Mesa Management Area
- Santa Maria Valley Management Area

Note: Management Area boundaries are approximate

Management Areas
Santa Maria Groundwater Basin

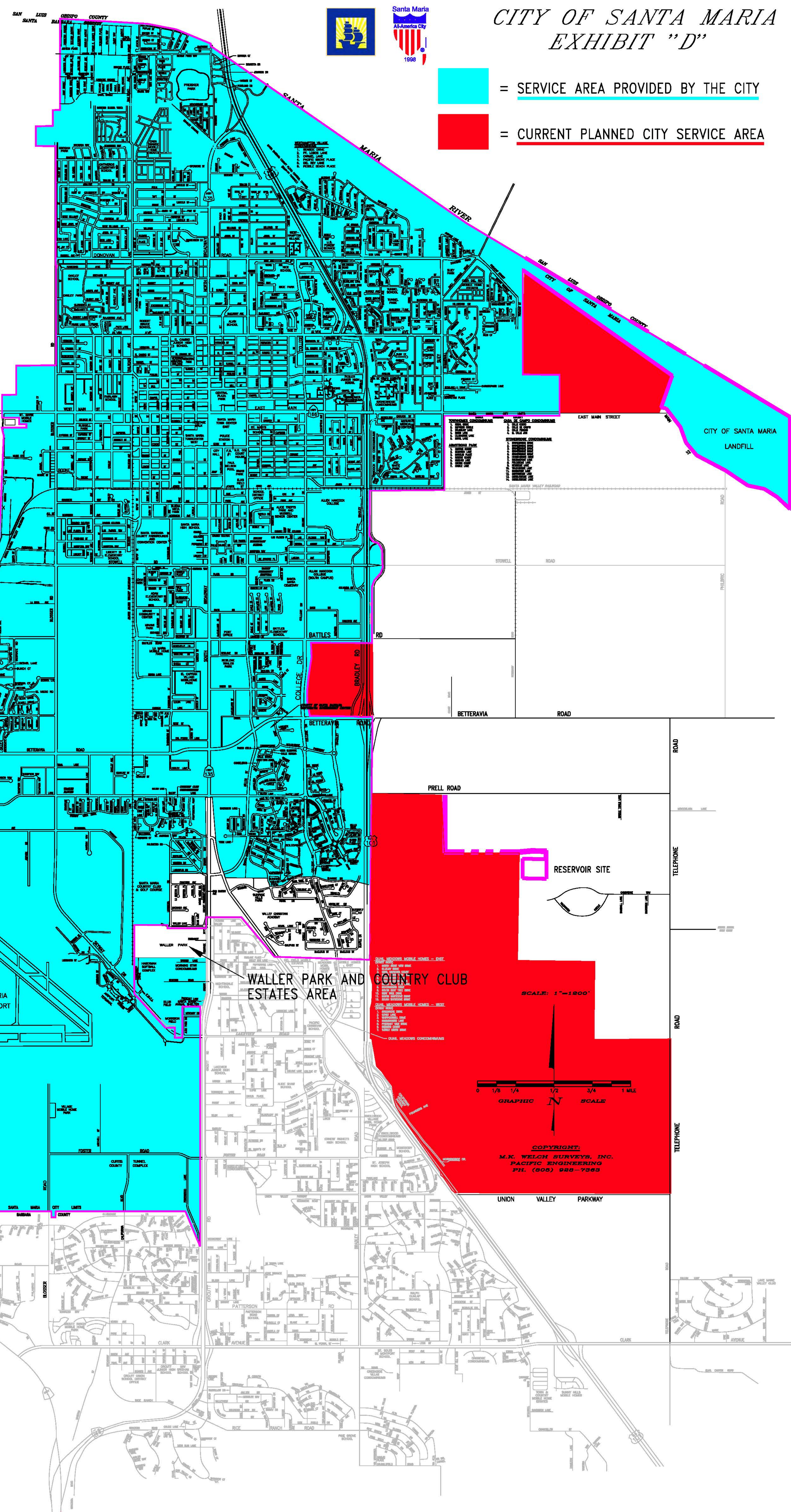
Exhibit 1D

CURRENT PLANNED CITY SERVICE AREA

107-150-001	111-014-001	117-191-010
107-150-002	111-014-002	117-191-013
107-150-007	111-014-003	
107-150-013	111-014-004	117-820-001
107-150-015	111-014-005	117-820-002
107-150-016	111-014-006	117-820-024
107-150-018	111-014-007	117-820-025
107-150-019	111-014-008	128-078-004
	111-014-009	128-078-005
	111-014-010	128-078-013
107-240-005	111-014-011	
107-240-006	111-014-012	
107-240-008	111-014-013	128-091-001
107-240-027	111-014-014	128-091-005
107-240-028		128-091-006
107-240-029		128-091-007
	111-015-001	
111-011-001	111-015-002	128-094-012
111-011-002	111-015-003	128-094-014
111-011-003	111-015-004	128-094-016
111-011-004	111-015-005	128-094-042
111-011-005	111-015-006	128-094-047
111-011-006	111-015-007	
111-011-007	111-015-008	
111-011-008		129-010-001
111-011-009		129-010-012
111-011-010		129-010-013
111-011-011		129-010-021
111-011-012		129-010-022
111-011-013		129-010-023
		129-010-024

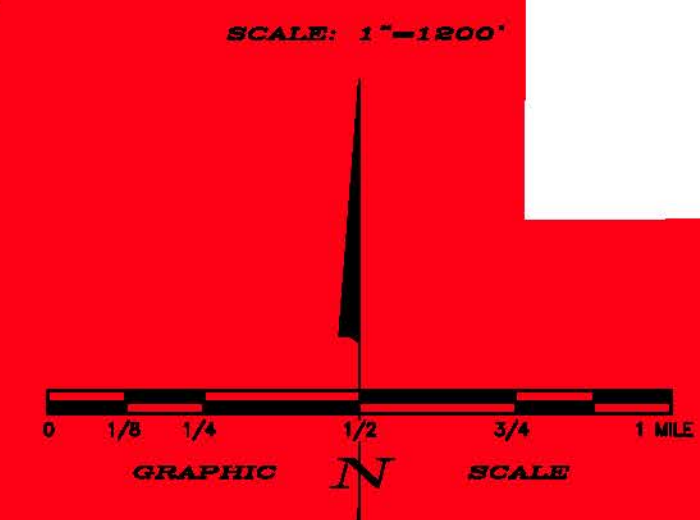
CITY OF SANTA MARIA
WASTE WATER
TREATMENT PLANT
SANTA MARIA CITY LIMITS

111-012-001	111-020-002	
111-012-002	111-020-003	
111-012-003	111-020-009	
111-012-004	111-020-011	
111-012-005	111-020-013	
111-012-006	111-020-014	
	111-020-016	
111-013-001		
111-013-002		
111-013-003	111-030-003	
111-013-004	111-030-015	
111-013-005	111-030-016	
111-013-006	111-030-018	
111-013-007	111-030-023	
111-013-008	111-030-024	
111-013-009	111-030-025	
111-013-010	111-030-026	
111-013-011		
111-013-012		
111-013-013		
111-013-014	111-130-001	



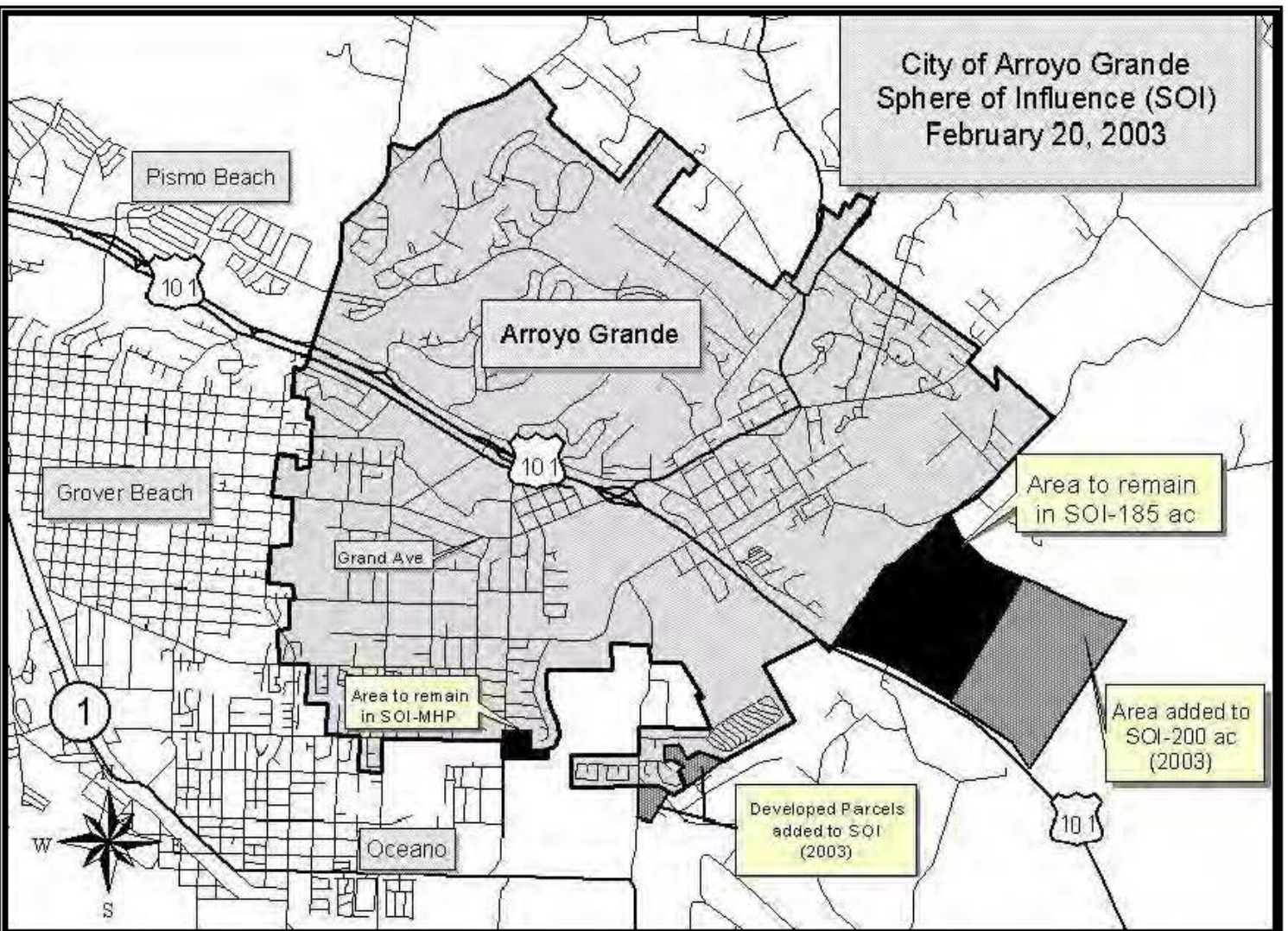
**CITY OF SANTA MARIA
EXHIBIT "D"**

Cyan = SERVICE AREA PROVIDED BY THE CITY
Red = CURRENT PLANNED CITY SERVICE AREA

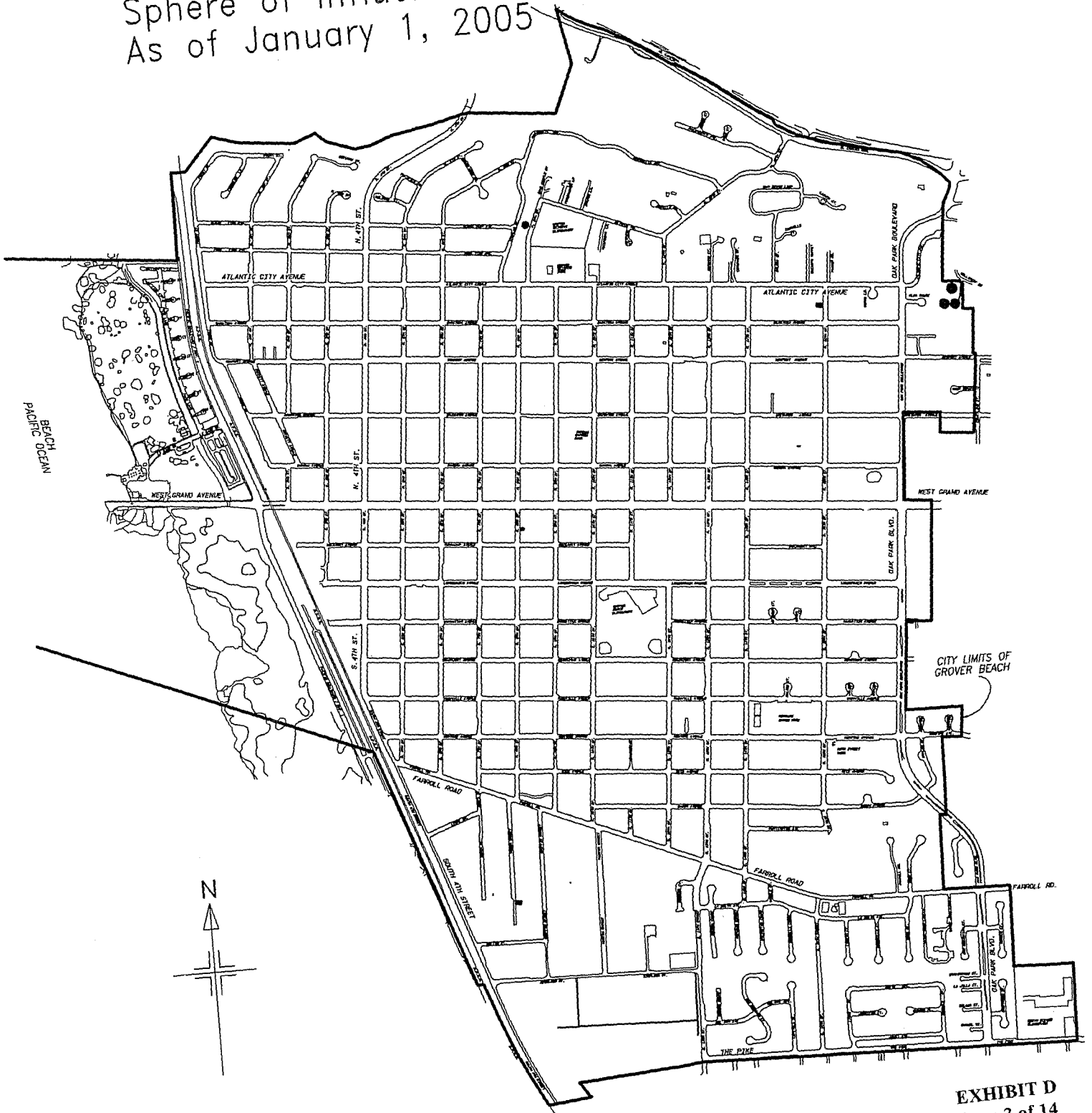


COPYRIGHT:
M.K. WELCH SURVEYS, INC.
PACIFIC ENGINEERING
PH. (800) 888-7888

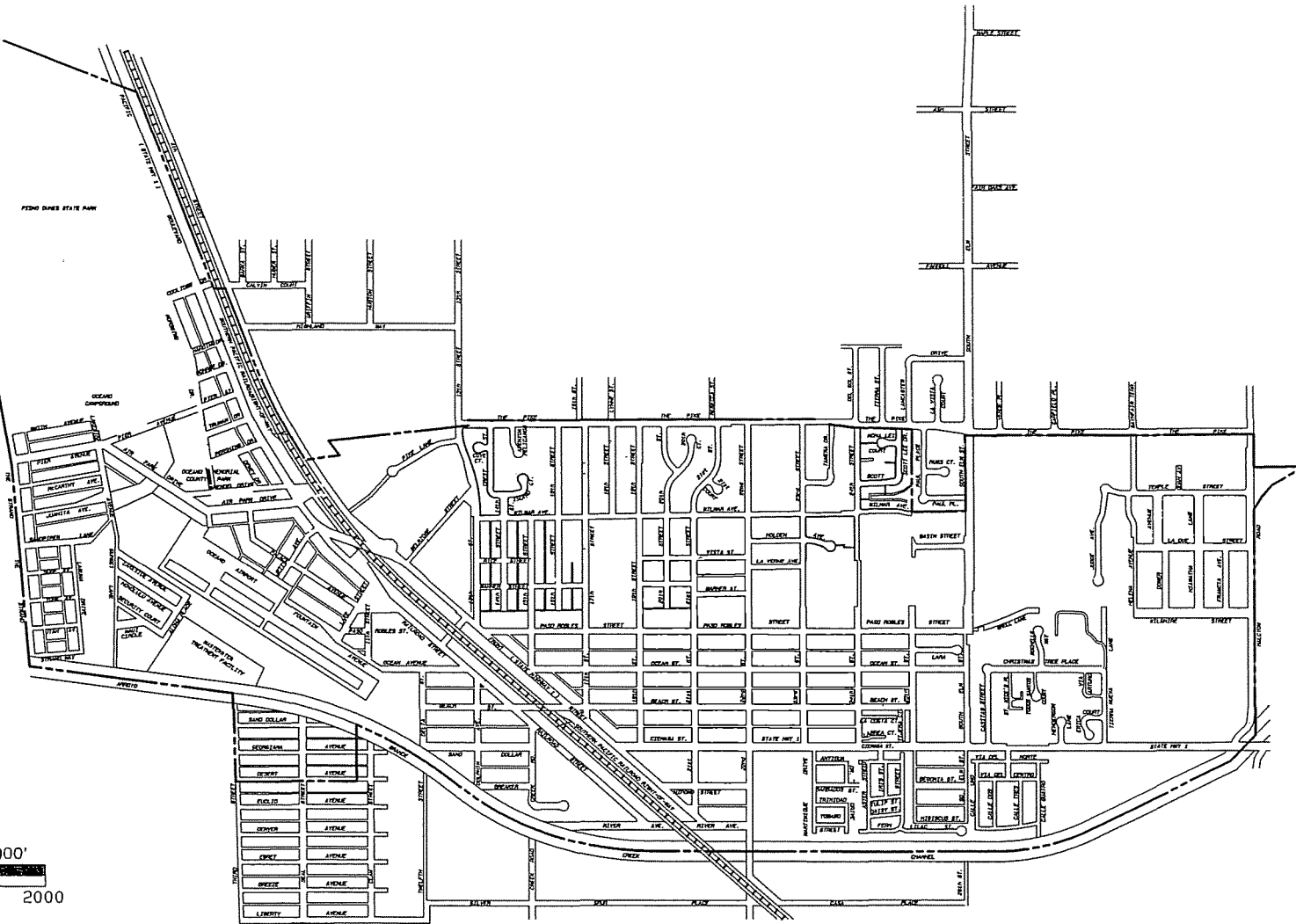
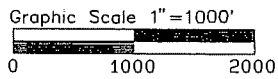
Figure 1 – Sphere of Influence
City of Arroyo Grande



CITY OF GROVER BEACH Sphere of Influence and City Boundary As of January 1, 2005



North



Oceano Community Services District
P.O. Box 544
1655 Front Street
Oceano, CA 93445-0544
tel (805)481-6730

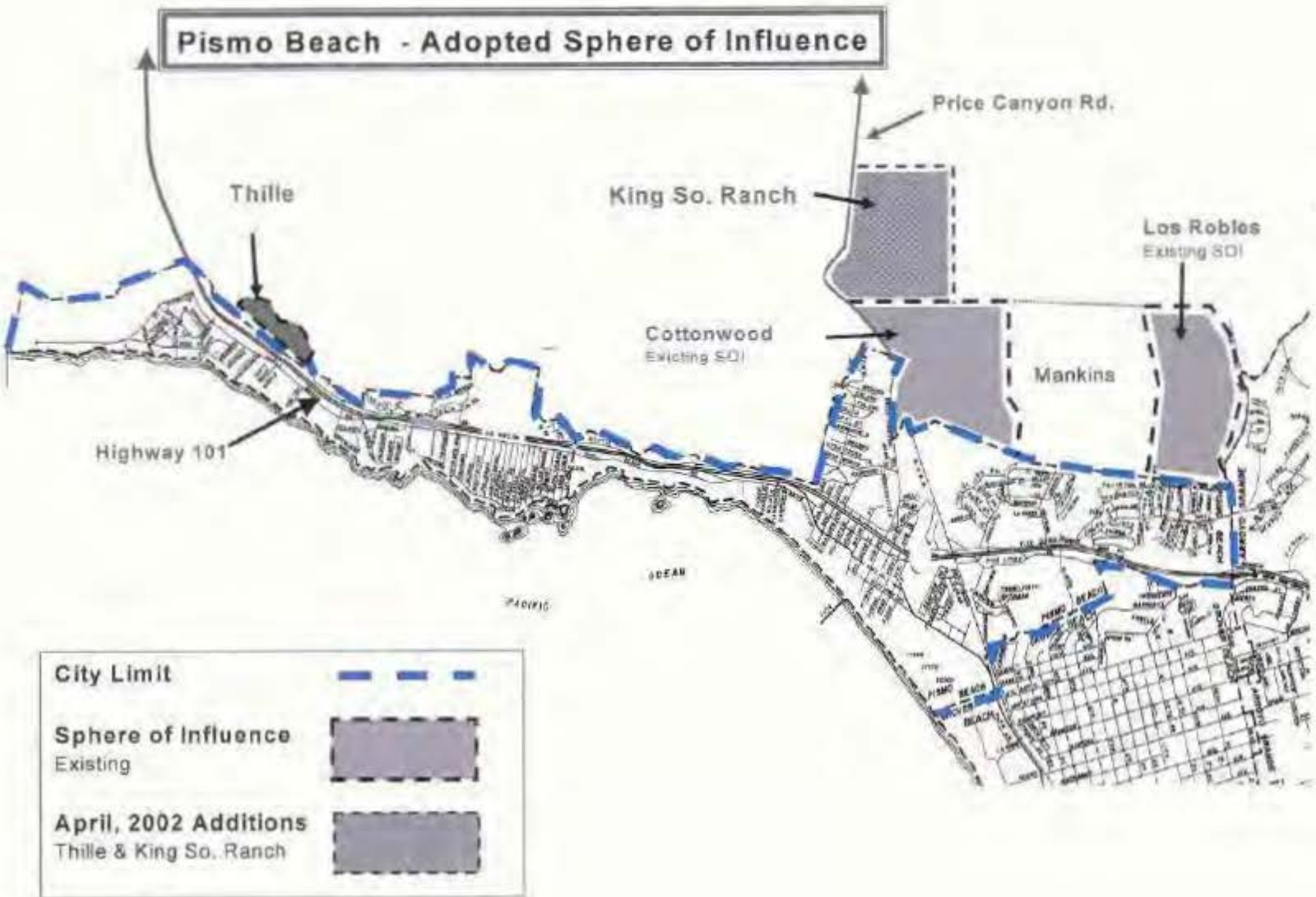
Service Area and Sphere of Influence January 1, 2005
OCEANO COMMUNITY SERVICES DISTRICT

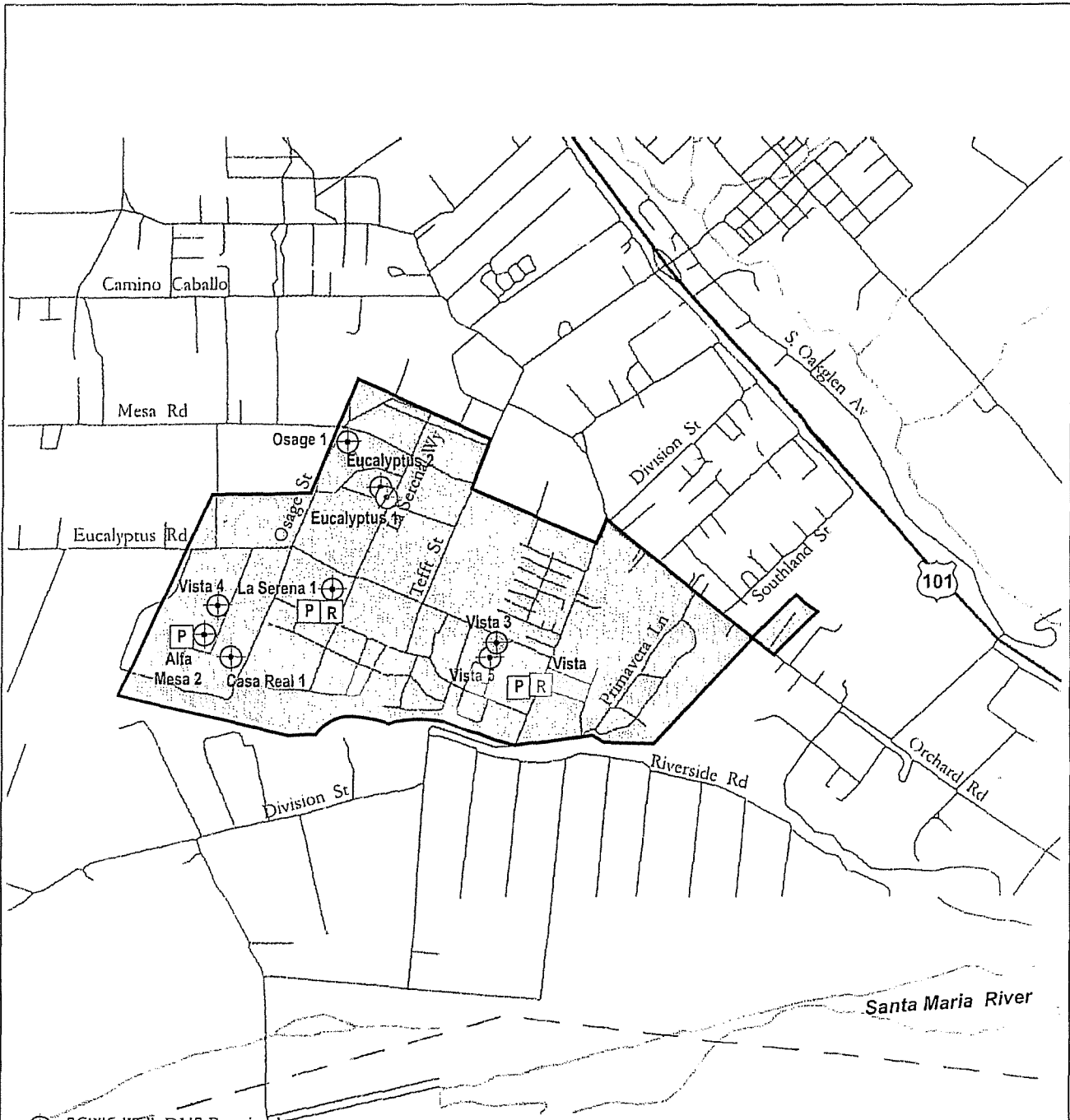


Civil Engineering
Surveying
Project Development
141 South Elm Street
Arroyo Grande, CA 93420
805/489-1321

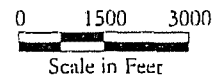
Scale: 1" = 1000'
W.O. No. 0001-007
File Name OCSD_Boundary_and_SOI _01-01-2005.pro
Plot date 6/20/2005

Figure 1 – Existing SOI and Proposed Additions





- ⊕ SCWC Well, DHS Permitted
- ⊗ SCWC Well, Destroyed
- ⊕ SCWC Well, Inactive
- Ⓟ Booster Pump Station
- Ⓡ Reservoir
- ▭ System Boundary

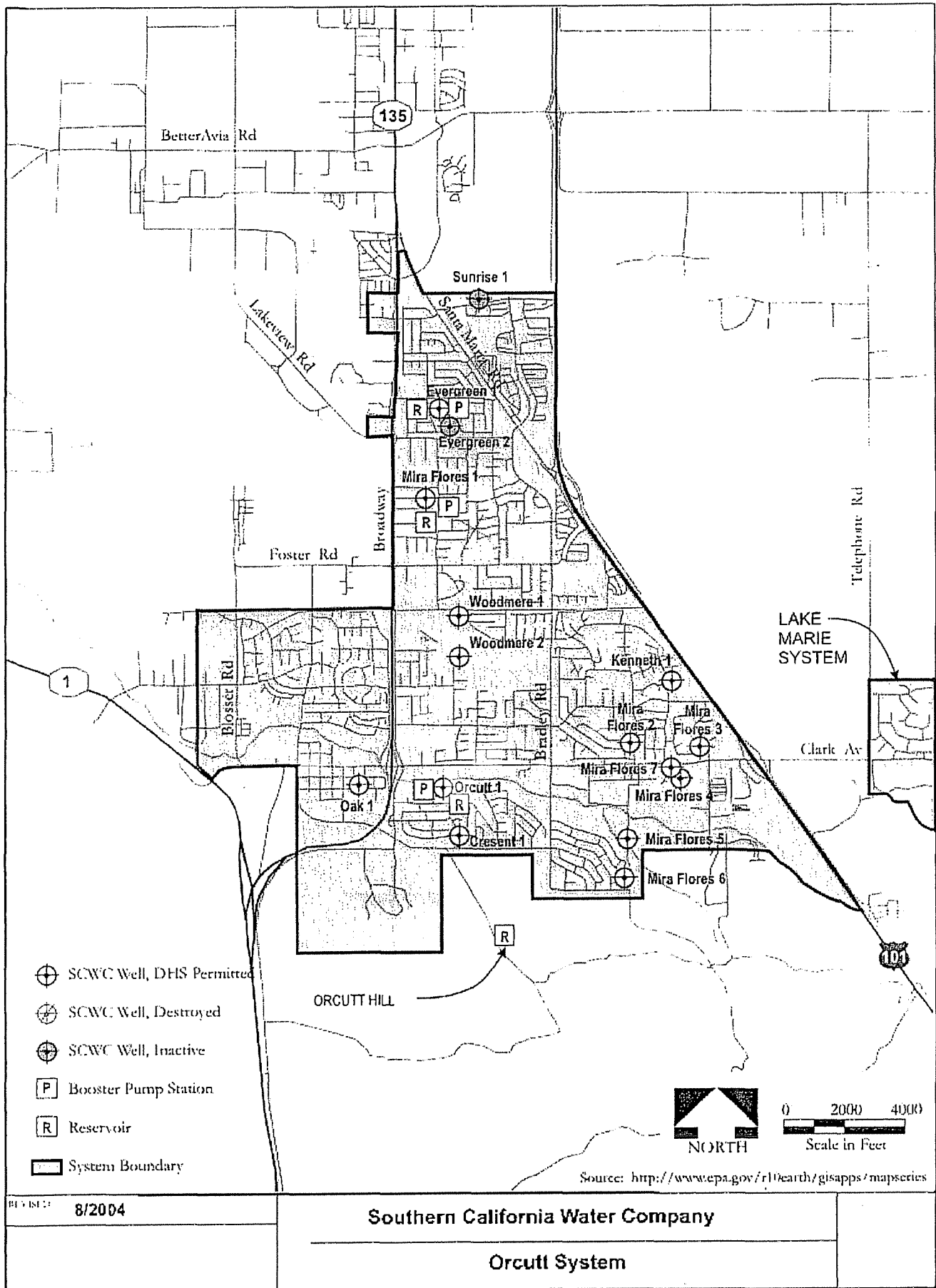


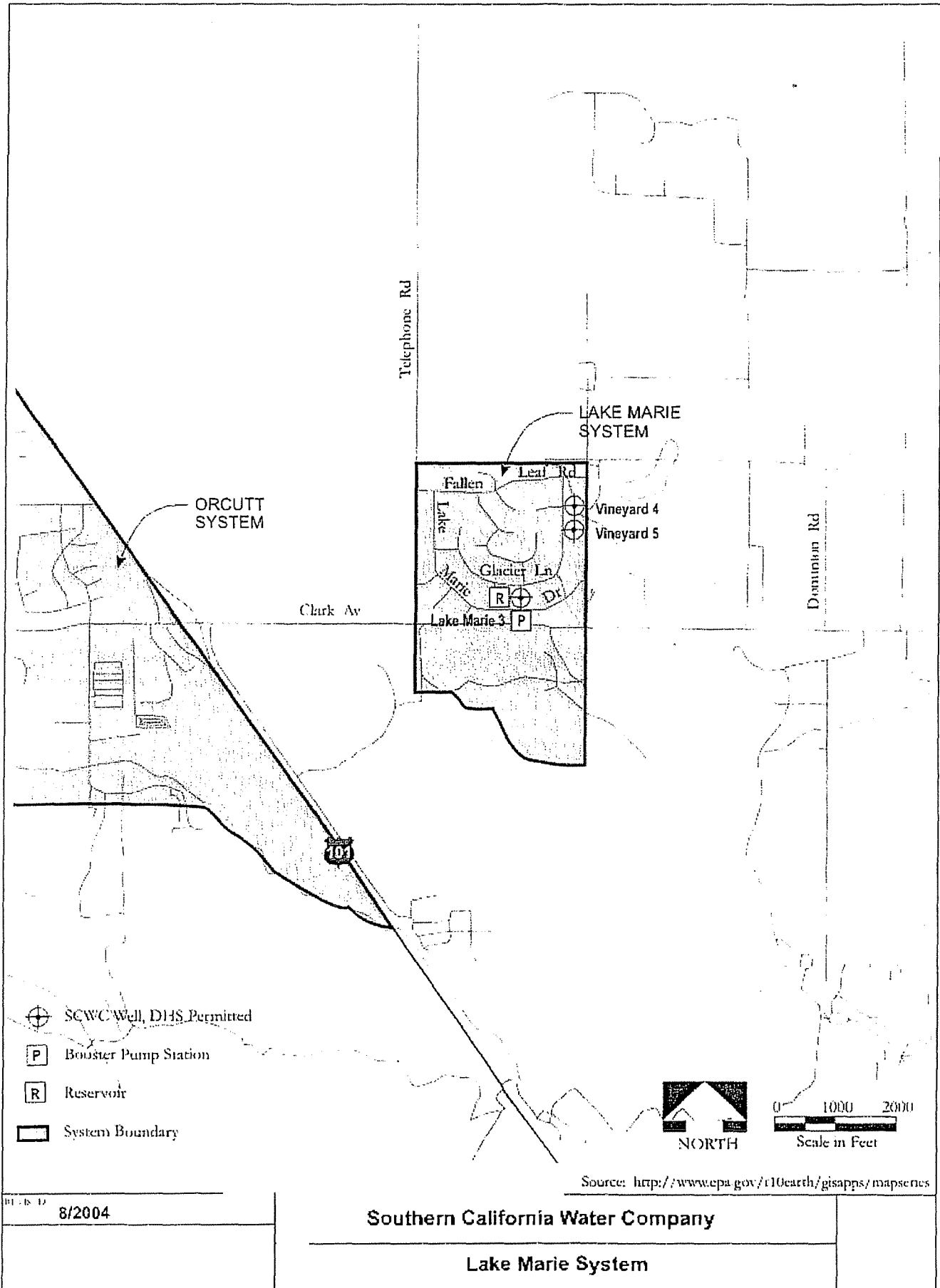
Source: <http://www.epa.gov/r10earth/gisapps/mapseries>

REVISED: 8/2004

Southern California Water Company

Nipomo System

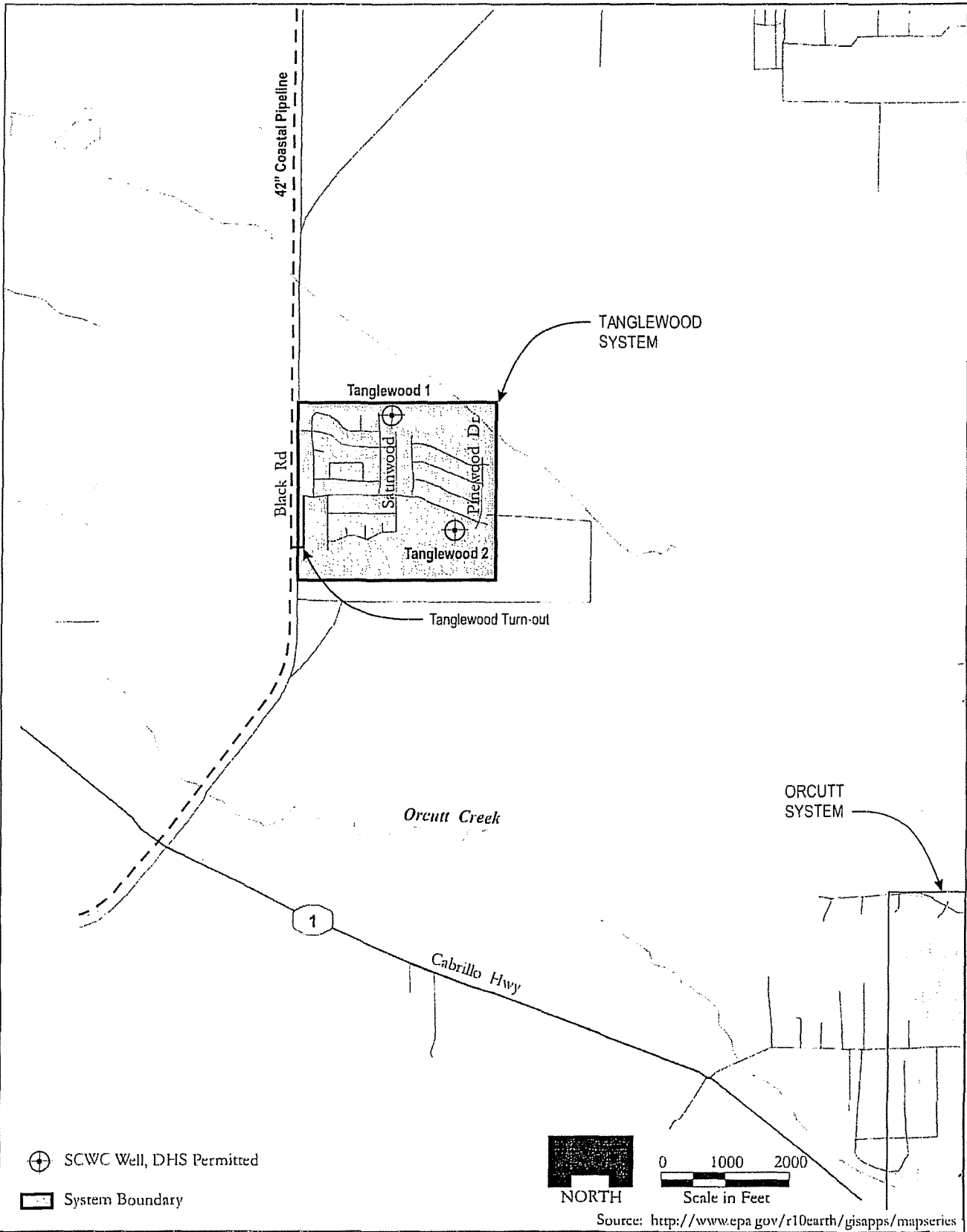




8/2004

Southern California Water Company

Lake Marie System

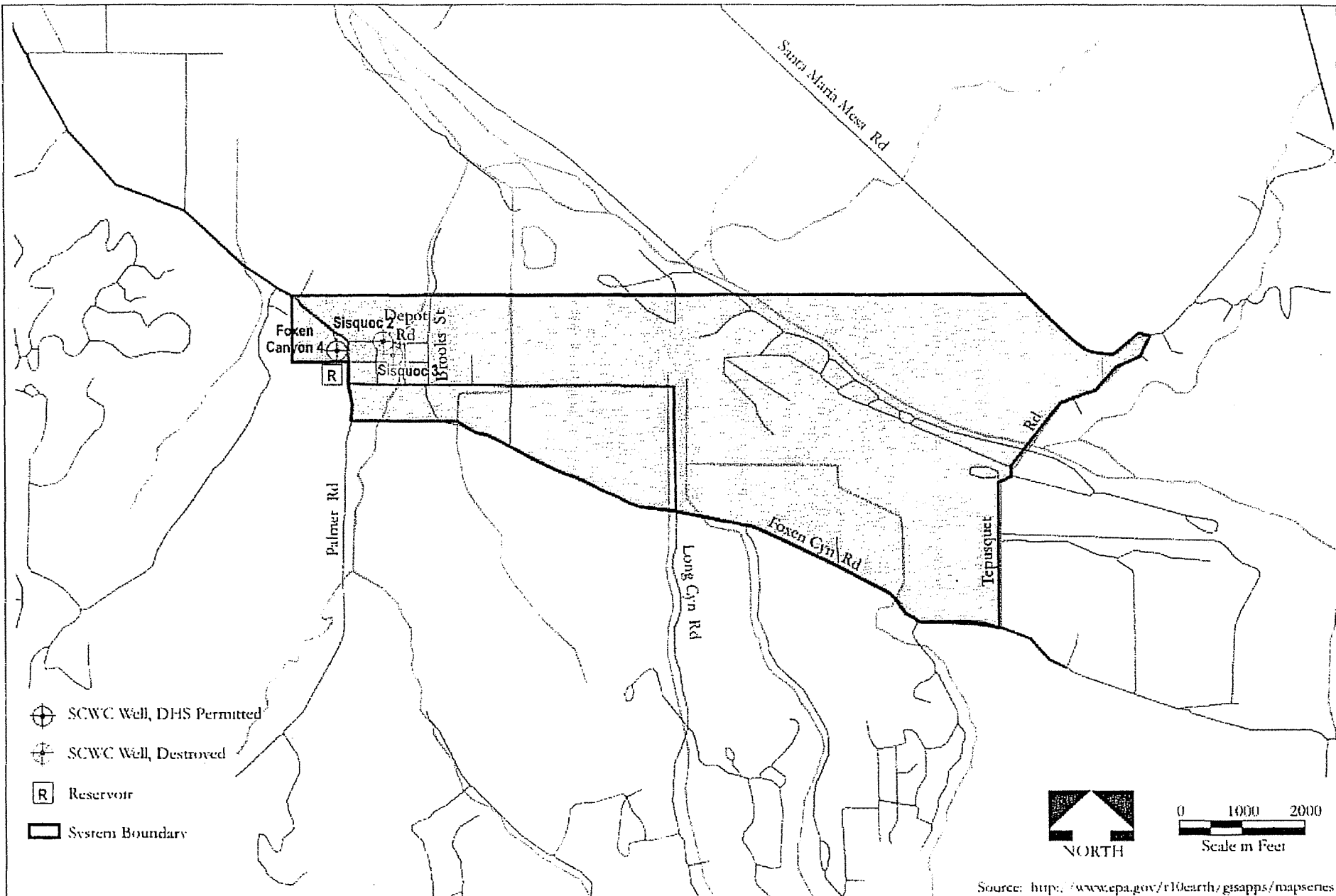






REVISED: 8/2004

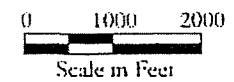
Southern California Water Company

Tanglewood System

FIGURE



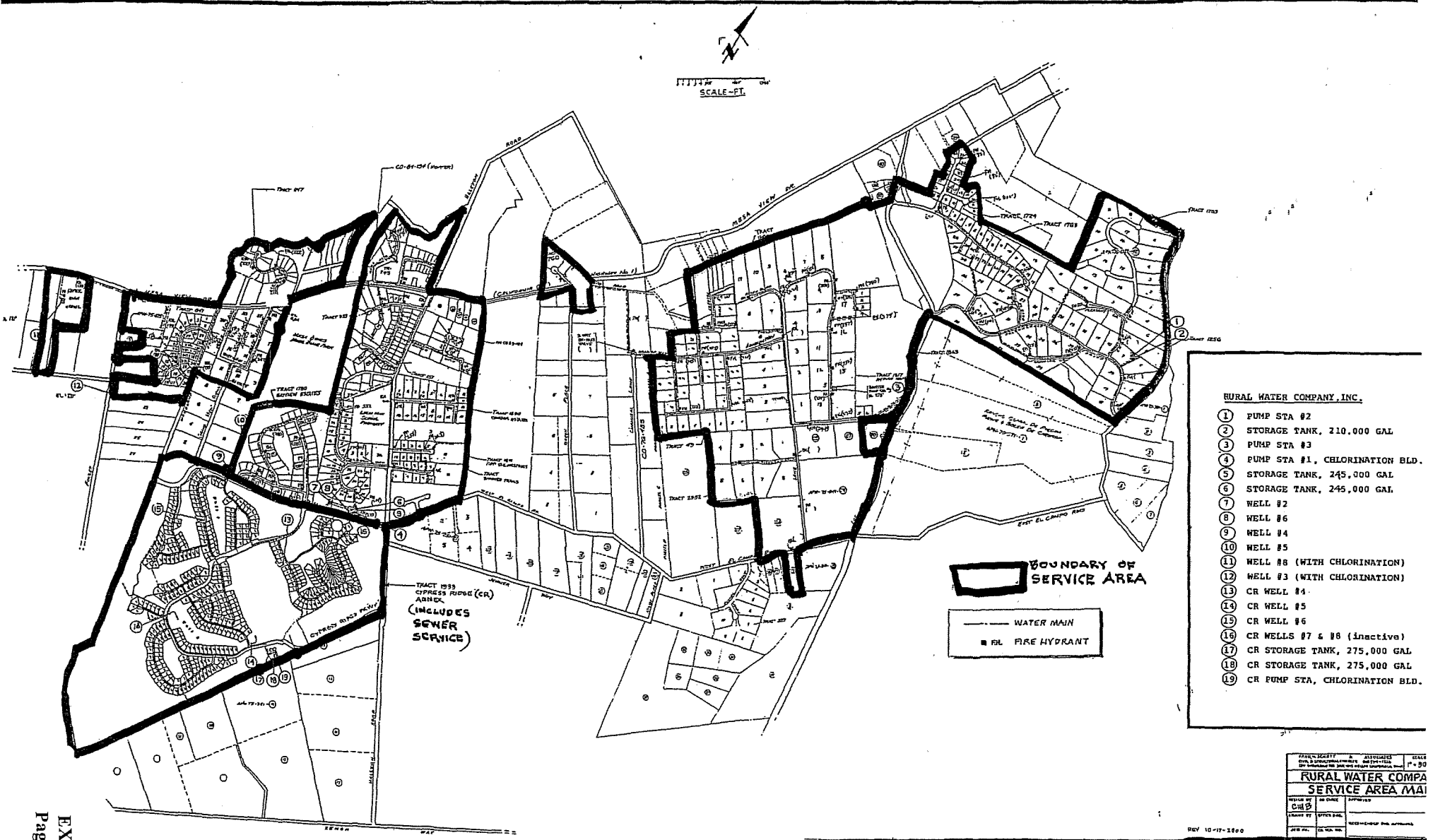
-  SCWC Well, DHS Permitted
-  SCWC Well, Destroyed
-  Reservoir
-  System Boundary



Source: <http://www.epa.gov/r10earth/gisapps/mapseries>

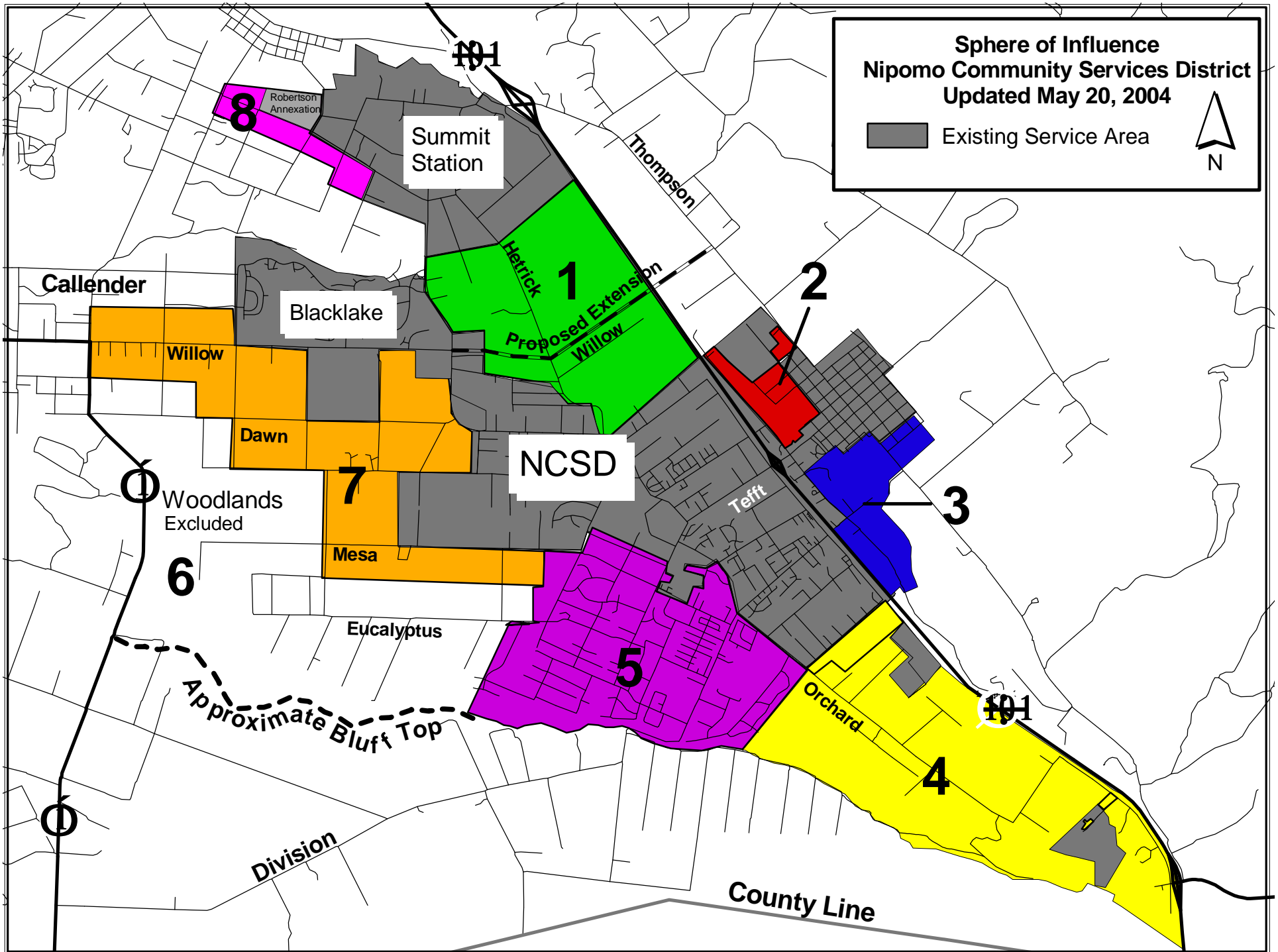
REV-D 8/2004

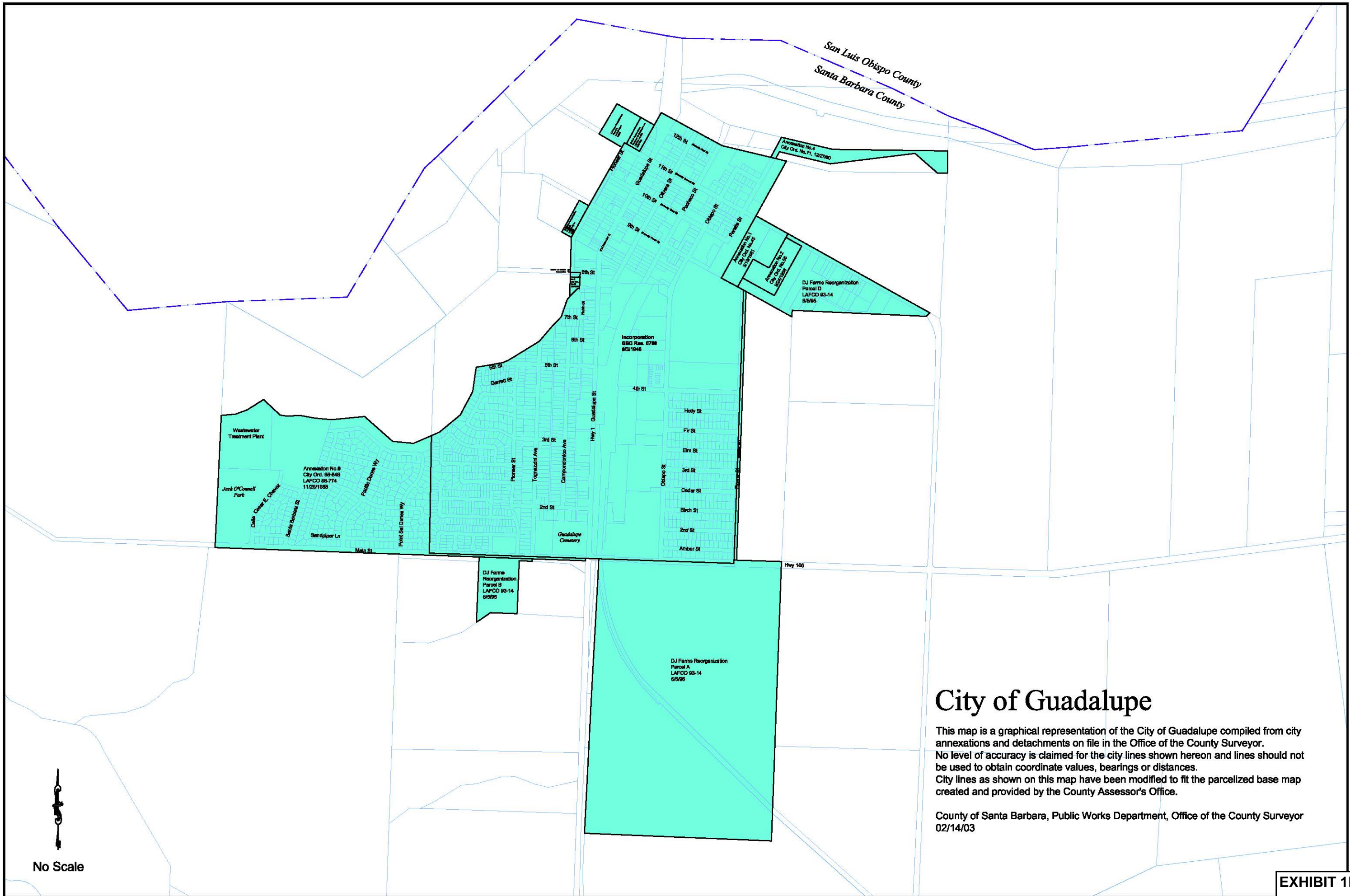
Southern California Water Company
Sisquoc System



- RURAL WATER COMPANY, INC.**
- ① PUMP STA #2
 - ② STORAGE TANK, 210,000 GAL
 - ③ PUMP STA #3
 - ④ PUMP STA #1, CHLORINATION BLD.
 - ⑤ STORAGE TANK, 245,000 GAL
 - ⑥ STORAGE TANK, 245,000 GAL
 - ⑦ WELL #2
 - ⑧ WELL #6
 - ⑨ WELL #4
 - ⑩ WELL #5
 - ⑪ WELL #8 (WITH CHLORINATION)
 - ⑫ WELL #3 (WITH CHLORINATION)
 - ⑬ CR WELL #4
 - ⑭ CR WELL #5
 - ⑮ CR WELL #6
 - ⑯ CR WELLS #7 & #8 (inactive)
 - ⑰ CR STORAGE TANK, 275,000 GAL
 - ⑱ CR STORAGE TANK, 275,000 GAL
 - ⑲ CR PUMP STA, CHLORINATION BLD.

DATE	10-17-2000
BY	CHW
CHECKED BY	
APPROVED BY	
SCALE	1" = 40'
RURAL WATER COMP SERVICE AREA MA	





San Luis Obispo County
Santa Barbara County

12th St
11th St
10th St
9th St
8th St
7th St
6th St
5th St
4th St
3rd St
2nd St
1st St
Guadalupe St
Chico St
Pacheco St
Colony St
Parrish St
Hwy 166
Hwy 1
Guadalupe St
Holy St
Fir St
Elm St
3rd St
Cedar St
Birch St
2nd St
Amber St
Wastewater Treatment Plant
Jack O'Connell Park
Annexation No. 8
City Ord. 88-848
LAFCO 88-774
11/29/1988
Annexation No. 1
City Ord. No. 46
5/15/1981
Annexation No. 2
City Ord. No. 28
5/21/1981
DJ Farms Reorganization
Parcel D
LAFCO 83-14
8/5/85
Incorporation
SBC Res. 8788
8/3/1948
Gardalope Cemetery
Hwy 166

City of Guadalupe

This map is a graphical representation of the City of Guadalupe compiled from city annexations and detachments on file in the Office of the County Surveyor. No level of accuracy is claimed for the city lines shown hereon and lines should not be used to obtain coordinate values, bearings or distances. City lines as shown on this map have been modified to fit the parcelized base map created and provided by the County Assessor's Office.

County of Santa Barbara, Public Works Department, Office of the County Surveyor
02/14/03

No Scale

Note: This Exhibit has been amended on August 27, 2007 to reflect a parcel change by the County of Santa Barbara, to add parcels that were inadvertently omitted from the original version of Exhibit D that was attached to the June 30, 2005 Stipulation, and to change former APN 128-056-024 to APN 128-064-007.

Stipulation
Santa Maria Valley Water Conservation District v. City of Santa Maria

EXHIBIT 1D

List of Selected Excluded Parcels Nearby the Boundaries of New Urban Use Areas

103-070-004	128-096-010
107-300-007	128-098-005
107-300-008	129-180-020
107-300-012	128-099-001
128-064-007	128-100-001
128-094-018	128-100-003
128-094-019	128-100-020
128-094-020	128-100-021
128-094-021	128-100-022
128-094-023	128-100-027
128-094-024	128-100-028
128-094-029	128-100-029
128-094-031	128-100-030
128-095-001	128-100-031
128-095-002	128-101-010
128-095-003	128-101-012
128-095-004	129-100-008
128-095-006	129-110-020
128-095-008	129-120-001
128-096-001	129-120-023
128-096-002	129-151-029
128-096-003	129-151-031
128-096-004	129-151-032
128-096-005	129-151-033
128-096-006	129-180-010
128-096-007	129-180-011
128-096-009	129-210-017

Exhibit 1E

Settlement Agreement Between Northern Cities, Northern Cities Landowners, and Other Parties

The original signature pages of this agreement were hand-delivered to the Court prior to the August 2002 hearing, at which the Court approved this agreement.

1 NOSSAMAN, GUTHNER, KNOX & ELLIOTT, LLP
Frederic A. Fudacz, State Bar No. 50546
2 Henry S. Weinstock, State Bar No. 89765
Alfred E. Smith, State Bar No. 186257
3 445 South Figueroa Street, 31st Floor
Los Angeles, California 90071
4 Telephone: (213) 612-7800
Facsimile: (213) 612-7801

5 Attorneys for Defendants City of Arroyo Grande,
6 City of Grover Beach, City of Pismo Beach,
Oceano Community Services District
7

8 SUPERIOR COURT OF THE STATE OF CALIFORNIA
9 FOR THE COUNTY OF SANTA CLARA
10

11 SANTA MARIA VALLEY WATER
CONSERVATION DISTRICT, a public
12 entity,
13 Plaintiff,

14 v.
15 CITY OF SANTA MARIA, et al.,
16 Defendants.

SANTA MARIA GROUNDWATER
LITIGATION, LEAD CASE No. CV 770214
(Consolidated with CV 784900, 784921,
784926, 785509, 785511, 785515, 785522,
785936, 786971, 787150, 787151, 787152,
990738, 990739)

SETTLEMENT AGREEMENT BETWEEN
NORTHERN CITIES, NORTHERN
LANDOWNERS, AND OTHER PARTIES

17
18 AND ALL RELATED ACTIONS.
19

20 PARTIES AND EFFECTIVE DATE

21 This Agreement is entered into among the Cities of Arroyo Grande, Pismo
22 Beach, Grover Beach and the Oceano Community Services District (collectively "Northern
23 Cities"), owners/lessors of land located in the Northern Cities Area ("Northern Landowners"),
24 and other parties who execute this Agreement. This Agreement is entered into as of April 30,
25 2002.

26 STIPULATIONS OF FACT

27 A. In 1997, the Santa Maria Valley Water Conservation District initiated this
28 action, Santa Clara Superior Court Case Number CV 770214, consolidated with Case

EXHIBIT E
Page 1 of 18

1 Numbers 784900, 784921, 784926, 785509, 785511, 785515, 785522, 785936, 786971,
2 787150, 787151, 787152, 990738, and 990739 (the "Action"), to adjudicate groundwater rights
3 in the Santa Maria Groundwater Basin;

4 B. Numerous parties have filed complaints and/or cross-complaints in the
5 Action with respect to rights to produce water in the Santa Maria Groundwater Basin;

6 C. By Order dated December 21, 2001, the Court determined the geographic
7 area constituting the Santa Maria Groundwater Basin ("Basin") and ruled that the Northern
8 Cities Area (identified on the map attached hereto as Exhibit A) is within the Basin;

9 D. Under current water supply and demand conditions, the groundwater
10 basin in the Northern Cities Area is in rough equilibrium, and groundwater pumping in the
11 Northern Cities Area does not negatively affect water supplies in the remainder of the Basin;

12 E. For more than 30 years, there have been separate funding, management
13 and usage of groundwater in the Northern Cities Area from groundwater in the Santa Maria
14 Valley. For example, the Northern Cities and Northern Landowners have paid and are paying
15 tens of millions of dollars for the construction and retrofit of the Lopez Reservoir, which
16 benefits the Northern Cities Area; whereas the Twitchell Reservoir has been paid for by parties
17 in the Santa Maria Valley who benefit from it.

18 F. The Northern Cities and Northern Landowners have agreed among
19 themselves and do hereby reaffirm their agreement to cooperatively share and manage
20 groundwater resources in the Northern Cities Area in accordance with a "Gentlemen's
21 Agreement" that was originally developed in 1983 and amended thereafter. Said Agreement
22 confers no rights on any third parties;

23 G. It is in the interest of all of the parties to this litigation that the parties settle
24 their claims and potential claims on the basis of the continued separate funding, management,
25 and usage of the waters conserved by the Lopez Reservoir in the Northern Cities Area and by
26 the Twitchell Reservoir in the remainder of the Basin, to preserve and protect water resources
27 in those separate management areas.

28 H. This Settlement Agreement is also intended to provide the parties with

1 advance notice of changes in the groundwater conditions in the Northern Cities Area and
2 Nipomo Mesa, as water supplies and demands may change with time. (The Nipomo Mesa is
3 southeast of the Zone 3 Line, and north of the Santa Maria River.); and

4 1. The parties to this Settlement Agreement have agreed to settle and
5 resolve their cross-claims and potential cross-claims on the conditions set forth below:

6 **NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS**

7 1. Separate Management Areas. Subject to the conditions set forth below,
8 water resources and water production facilities in the Northern Cities Area shall continue to be
9 independently managed by the Northern Cities, the San Luis Obispo County Flood Control and
10 Water Conservation District, and the Northern Landowners, with the intention of preserving the
11 long-term integrity of water supplies in the Northern Cities Area. For example, the Northern
12 Cities and Northern Landowners will not be responsible to pay for any of the costs of the
13 Twitchell Reservoir; and the parties outside of the Northern Cities Area (Zone 3) shall not be
14 responsible to pay any of the costs relating to the Lopez Reservoir.

15 2. Effects on Litigation. Except as provided below, the parties in the
16 Northern Cities Area, on the one hand, and the other parties hereto, on the other hand, agree
17 not to pursue or assert any claims against one another relating to water rights in the Santa
18 Maria Groundwater Basin. Each of the Northern Landowners who execute this Agreement will
19 be deemed to have been served by each of the water purveyor parties in this action who have
20 signed this Agreement with cross-complaints seeking declaratory and other relief in the form of
21 the cross-complaints previously filed by the City of Santa Maria; and each of the Northern
22 Landowners who execute this Agreement shall be deemed to have served and filed answers to
23 said cross-complaints denying all of their material allegations and asserting all available
24 affirmative defenses. The Northern Cities and Landowners shall continue to be subject to
25 reasonable discovery requests that are relevant to the remaining issues in the case.

26 3. Court Approval. This Settlement Agreement shall be submitted to the
27 Court for approval. If approved, this Settlement Agreement shall be included in and attached
28 as an exhibit to the final judgment in this Action, and the Northern Cities Area shall be treated

1 separately under the judgment in accordance with the provisions set forth herein. Paragraphs
2 4 and 7-20 of this Agreement shall take effect only upon Court approval of this Agreement.

3 4. Consent to Continuing Jurisdiction. Prior to this Agreement, there has
4 been no adjudication of the water rights of the Northern Cities, Northern Landowners, or any
5 other party, other than the determination of the boundaries of the Basin. Except ¶ 5 below,
6 nothing in this Agreement authorizes the Court to restrict or affect the right of any party to
7 pump, divert, use, or store groundwater or surface water without first according that party all of
8 its substantive, procedural, and due process rights under constitutional, statutory, and common
9 law requirements. Subject to the above and to the limitations of paragraphs 5-6 below, the
10 parties hereto agree that the Court reserves and retains full jurisdiction, power, and authority
11 over the Northern Cities Area, the Northern Cities, and the Northern Landowners, to enable the
12 Court, upon motion of any party, to make such further orders or directions (1) to interpret,
13 enforce, amend, or amplify any of the provisions of this Agreement; (2) to enforce, protect, or
14 preserve the rights of the respective parties, consistent with the rights herein decreed; or (3) to
15 issue such additional orders and/or injunctions to prevent injury to any party that might result
16 from any material adverse change in the availability or quality of the water supplies in the
17 Northern Cities Area, or the Nipomo Mesa Area, or any part of the Basin.

18 5. Reaffirmation of Gentlemen's Agreement. The Northern Cities and
19 Northern Landowners hereby reaffirm their Agreement to cooperatively share and manage
20 groundwater resources in the Northern Cities' Area in accordance with their AGREEMENT
21 REGARDING MANAGEMENT OF THE ARROYO GRANDE GROUNDWATER BASIN, aka
22 the "Gentlemen's Agreement." (A copy of the current version of this Agreement is attached
23 hereto as Exhibit B.) In particular, the Northern Cities and the Northern Landowners agree
24 with each other to continue to divide the safe yield of groundwater in the Northern Cities' Area,
25 including any increases or decreases of the safe yield, in accordance with ¶ 1 of Exhibit B
26 hereto. Said water-sharing Agreement and this paragraph 5 shall only be binding on and
27 enforceable by the Northern Cities and Northern Landowners.

28 6. No Effect on Water Rights. Except as provided in ¶ 5 above, nothing in

1 this Agreement shall be construed to create, eliminate, increase, or reduce any substantive
2 right of any party to pump, divert, use, or store groundwater or surface water; and nothing in
3 this Agreement shall be construed to prove or disprove, directly or indirectly, any element of
4 prescriptive rights to groundwater.

5 TECHNICAL OVERSIGHT COMMITTEE

6 7. Formation. A Technical Oversight Committee (TOC) shall be established
7 to carry out the ongoing monitoring and analysis program ("MAP," see below).

8 8. Composition. The TOC shall be comprised of two voting representatives
9 of the Northern Cities and two voting representatives of parties providing public water service
10 on the Nipomo Mesa ("Mesa Parties," which include the Nipomo Community Services District,
11 Rural Water Company and Southern California Water Company, and their successors or
12 assigns). At least one of the two representatives from the Northern Cities and the Mesa
13 Parties shall be technically qualified to carry out the MAP duties described below. The other
14 TOC representatives may be technical, policy, managerial, or legal in nature. The voting
15 representatives shall attempt to operate by consensus. However, if consensus cannot be
16 achieved, TOC decisions may be made by majority vote of the voting representatives.

17 9. Responsibility. The TOC shall implement and carry out the MAP.

18 10. Meetings. The TOC shall meet at least semi-annually for the first five (5)
19 years of implementing the MAP, and at least annually thereafter.

20 11. Procedures of the TOC. The TOC shall establish procedures for the
21 fulfillment of its responsibilities under this Agreement.

22 MONITORING AND ANALYSIS PROGRAM

23 12. Purpose and Legal Effect. A monitoring and analysis program (MAP) shall
24 be established to provide ongoing data collection and analysis of water supplies and demands
25 in the Northern Cities Area and the Nipomo Mesa. The purpose of the MAP is to regularly
26 assess the potential impact on the water supplies on either side of the Zone 3 boundary line
27 resulting from changing conditions regarding the water supplies and demands in the Northern
28 Cities Area and the Nipomo Mesa, and the resulting changes in the surface and groundwater

1 flow conditions adjacent to and across the Zone 3 boundary line.

2 13. The Water Management Plans and the Annual Reports (collectively
3 "Plans") prepared pursuant to this Agreement are for information purposes only. They shall
4 not independently create in the party(ies) preparing them any affirmative obligation to act, or
5 implement any part of the Plans, nor shall they independently provide any other party or the
6 Court any right to compel Action or enforce any obligation. However, any party may challenge
7 the sufficiency of any Plan produced pursuant to this Agreement by showing that it has not
8 been completed in substantial compliance with the requirements of this Agreement, except that
9 any challenge to a Water Management Plan created pursuant to Paragraph 15 below may only
10 be undertaken in a proceeding and under the standards set forth under Water Code sections
11 10650, *et seq.*

12 14. The Parties shall be excused from the preparation of the Plans required in
13 this Agreement when the Court enters a final judgment in this litigation.

14 15. Water Supply Planning and Reports. Within two years after Court
15 approval of this Settlement, each of the Northern Cities and the Mesa Parties shall evaluate
16 their current and future water supplies and prepare a Water Management Plan. The Water
17 Management Plan shall generally include the content and analysis described in Water Code
18 sections 10630 through 10635, and shall also include an analysis of the ongoing availability of
19 groundwater in the Northern Cities Area given the changing urban and agricultural water
20 demands in the Northern Cities Area. Each of the Northern Cities and the Mesa Parties shall
21 update and revise their previously prepared Water Management Plans prior to December 31,
22 2006, and every five years thereafter; provided however, that this requirement to prepare a
23 Water Management Plan is not intended to expand or impose upon any party rights or
24 obligations with respect to such Water Management Plans, other than those specifically stated
25 in this Section. Copies of the Water Management Plans shall be provided to the Northern
26 Cities, the Mesa Parties, the Santa Maria Valley Water Conservation District and the City of
27 Santa Maria.

28 16. Monitoring and Data Collection. The TOC shall implement a MAP that

1 shall include the data collection and analysis elements described below, and any other
2 monitoring and analysis, if the TOC deems them appropriate and cost-effective to fulfill the
3 purpose of this Agreement. The data collection and database development shall be created so
4 that the data can be shared and transferred between the TOC members for review and
5 evaluation in electronic format. The MAP shall include the following elements.

6 a. Design. Within six months after Court approval of this Agreement,
7 the TOC shall review existing data to select existing wells to include in the MAP. The TOC
8 shall define the list of wells to be monitored and specific information to be obtained from each
9 well, such as groundwater levels and groundwater quality constituents. The MAP shall also
10 include data collection to provide for early detection of seawater intrusion and collection of
11 other related data (e.g., deliveries of supplemental water, precipitation, discharge of treated
12 waste water, etc.) as are necessary for preparation of the analyses and reports required by this
13 Agreement. To the extent practical to adequately meet the purpose of this Agreement, the
14 TOC shall use existing facilities, rather than new facilities, in the design of the MAP.

15 b. Data Collection. As soon as the design of the MAP is complete, the
16 TOC shall commence collection of groundwater monitoring data, with data collection to occur
17 at intervals determined by the TOC.

18 c. Changing Groundwater Use Patterns. The TOC may also monitor
19 the groundwater pumping patterns in the Northern Cities Area and the Nipomo Mesa. The
20 monitoring shall be based on either observed changes (municipal pumping) or estimated
21 changes (private or agricultural pumping). The TOC may review the changes in pumping to
22 assess the potential impacts on groundwater flow conditions along the Zone 3 boundary line
23 and include its findings in the Annual Report, described below.

24 d. MAP Assessment. Within two years of Court approval of this
25 Agreement, and annually thereafter, the TOC shall evaluate data from the monitoring program,
26 assess data gaps, and make recommendations to revise the monitoring program, including the
27 use of other wells or installation of new monitoring wells, as appropriate. The TOC may
28 recommend to the Northern Cities and the Mesa Parties or to the Court any additional

1 monitoring of hydrologic characteristics that may be prudent and cost-effective to meet the
2 goals of this Agreement, to provide a higher level of confidence in the data and analyses than
3 that which is based on existing wells, stream gages, etc.

4 17. Annual Report. Based upon the MAP and other relevant information, the
5 TOC shall annually prepare a Report on Water Supply and Groundwater Conditions (Annual
6 Report) for the Northern Cities Area and Nipomo Mesa. The Annual Report shall be filed with
7 the Court, posted on the Court's website, and served on the Northern Cities, the Mesa Parties,
8 the Santa Maria Valley Water Conservation District, and the City of Santa Maria. The first
9 Annual Report shall be completed, filed and served, as described in the previous sentence, on
10 or before the second (2nd) anniversary of this Court's approval of this Agreement, and
11 annually thereafter. The Annual Report shall assess the adequacy of the water supplies in
12 each area in comparison to the corresponding demands, and shall include an analysis and
13 discussion of the estimates of the volume of groundwater in storage, an updated water budget
14 assessment, and anticipated water supply constraints, if any.

15 18. Cost Sharing. Unless otherwise agreed, each of the Northern Cities and
16 the Mesa Parties shall bear their own costs in participating in the TOC, gathering and
17 analyzing data, and producing any written documents as may be required by this Agreement.
18 To the extent the construction of new facilities may be required to implement this Agreement,
19 the Northern Cities and the Mesa Parties shall develop an equitable cost sharing agreement.
20 The parties will use their best efforts to minimize the costs of compliance in undertaking the
21 obligations of this Agreement.

22 19. Cooperation of all Parties. All parties to this litigation and this Agreement
23 shall provide any documents, information, access to wells, and well data, and take any other
24 actions reasonably requested to implement the MAP, subject to prior protective orders and
25 reasonable confidentiality restrictions.

26 **ADVANCE NOTICE OF INCREASED WATER PRODUCTION**

27 20. The Mesa Parties, the Northern Cities, and the Northern Landowners shall
28 provide prior written notice to each other of their intent to drill new wells, materially increase

1 the production capacity of existing wells or take over the use of an existing well, if the well is to
2 be used for water production (not monitoring). The notice must be served prior to or
3 concurrent with the initiation of environmental review under the California Environmental
4 Quality Act (CEQA), if required, or at least ninety (90) days prior to the construction of a new
5 well or the takeover or increase in capacity of an existing well. This ninety (90) day notice
6 requirement shall not apply in the event of emergencies, such as replacement of a collapsed
7 well, in which case notice will be provided as promptly as possible. The notice should provide
8 a description of the location, intended capacity and use of the well.

9 GENERAL PROVISIONS

10 21. No Third Party Beneficiary. Nothing in this Agreement, whether express
11 or implied, shall confer any rights or remedies under this Agreement on any persons other than
12 the Parties to it and their respective successors and assigns. Nothing in this Agreement shall
13 relieve or discharge the obligation or liability of any third parties to any Party to this Agreement.

14 22. Legal Capacity. The Parties warrant that all necessary approvals and
15 authorizations have been obtained to bind them to all terms of this Agreement, and further
16 warrant that the persons signing have authority to sign on behalf of their respective Parties.

17 23. Amendment. No amendment to this Agreement will be binding unless it
18 is either signed by an authorized representative of all of the Parties or approved by the Court.

19 24. Governing Law. This Agreement will be construed in accordance with,
20 and governed by, the laws of the State of California as applied to contracts that are executed
21 and performed entirely in California.

22 25. Severability. If any provision of this Agreement is held invalid or
23 unenforceable by any court, it is the intent of the Parties that all other provisions of this
24 Agreement be construed so as to remain fully valid, enforceable, and binding on the Parties.

25 26. Counterparts. This Agreement may be executed in one or more
26 counterparts, each of which will be considered an original, but all of which together will
27 constitute one and the same instrument. Any party that is currently a party to this Action and
28 any Northern Landowner may become a party to this Agreement by agreeing in writing to be

1 bound by its terms at any time prior to the entry of judgment in this Action. Future signatories
2 to this Agreement shall sign the signature pages attached hereto as Exhibits C (for Northern
3 Landowners) or D (for other parties to this litigation) to confirm their acceptance of its terms.

4 27. Merger Clause. This Agreement supersedes and replaces all prior
5 settlement negotiations and agreements, written or oral. It is the complete, final, and exclusive
6 statement of the parties' agreement. The parties hereto acknowledge that no party, agent or
7 attorney of any party has made any promise, representation or warranty whatsoever, express
8 or implied, not contained herein, to induce them to execute this Agreement. Each party has
9 executed this Agreement in reliance on the advice of his/her or its own attorney.

10 Dated: April __, 2002

CITY OF ARROYO GRANDE

11 By: _____
12 Title: _____
13

14 Dated: April __, 2002

CITY OF GROVER BEACH

15 By: _____
16 Title: _____
17

18 Dated: April __, 2002

CITY OF PISMO BEACH

19 By: *Rudy Natali*
20 Title: *MAYOR*

21 Dated: April __, 2002

OCEANO COMMUNITY SERVICES DISTRICT

22 By: _____
23 Title: _____
24
25
26
27
28

1 bound by its terms at any time prior to the entry of judgment in this Action. Future signatories
2 to this Agreement shall sign the signature pages attached hereto as Exhibits C (for Northern
3 Landowners) or D (for other parties to this litigation) to confirm their acceptance of its terms.

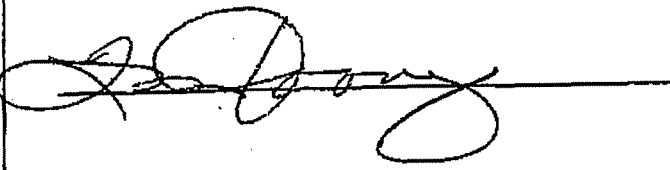
4 27. Merger Clause. This Agreement supersedes and replaces all prior
5 settlement negotiations and agreements, written or oral. It is the complete, final, and exclusive
6 statement of the parties' agreement. The parties hereto acknowledge that no party, agent or
7 attorney of any party has made any promise, representation or warranty whatsoever, express
8 or implied, not contained herein, to induce them to execute this Agreement. Each party has
9 executed this Agreement in reliance on the advice of his/her or its own attorney.

10 Dated: April __, 2002 CITY OF ARROYO GRANDE
11
12 By: _____
13 Title: _____

14 Dated: April __, 2002 CITY OF GROVER BEACH
15
16 By: _____
17 Title: _____

18 Dated: April __, 2002 CITY OF PISMO BEACH
19
20 By: _____
21 Title: _____

22 Dated: ^{RMH} April 24, 2002 OCEANO COMMUNITY SERVICES DISTRICT
23
24 By: Bill Semua
25 Title: President, Board of Directors

26 ATTEST:
27 Francis M. Cooney
28 Board Secretary


1 bound by its terms at any time prior to the entry of judgment in this Action. Future signatories
2 to this Agreement shall sign the signature pages attached hereto as Exhibits C (for Northern
3 Landowners) or D (for other parties to this litigation) to confirm their acceptance of its terms.

4 27. Merger Clause. This Agreement supersedes and replaces all prior
5 settlement negotiations and agreements, written or oral. It is the complete, final, and exclusive
6 statement of the parties' agreement. The parties hereto acknowledge that no party, agent or
7 attorney of any party has made any promise, representation or warranty whatsoever, express
8 or implied, not contained herein, to induce them to execute this Agreement. Each party has
9 executed this Agreement in reliance on the advice of his/her or its own attorney.

10 Dated: April __, 2002 CITY OF ARROYO GRANDE
11
12 By: _____
13 Title: _____

14 Dated: ~~April~~ ~~XXXXXX~~ 2002 CITY OF GROVER BEACH
15 May 24, 2002
16 Attest: Donna L. McMahon (Stephen C. Lieberman)
17 Donna L. McMahon By: [Signature]
18 City Clerk Title: MAYOR

19 Dated: April __, 2002 CITY OF PISMO BEACH
20
21 By: _____
22 Title: _____

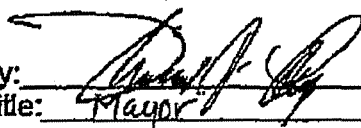
23 Dated: April __, 2002 OCEANO COMMUNITY SERVICES DISTRICT
24
25 By: _____
26 Title: _____
27
28

1 bound by its terms at any time prior to the entry of judgment in this Action. Future signatories
2 to this Agreement shall sign the signature pages attached hereto as Exhibits C (for Northern
3 Landowners) or D (for other parties to this litigation) to confirm their acceptance of its terms.

4 27. Merger Clause. This Agreement supersedes and replaces all prior
5 settlement negotiations and agreements, written or oral. It is the complete, final, and exclusive
6 statement of the parties' agreement. The parties hereto acknowledge that no party, agent or
7 attorney of any party has made any promise, representation or warranty whatsoever, express
8 or implied, not contained herein, to induce them to execute this Agreement. Each party has
9 executed this Agreement in reliance on the advice of his/her or its own attorney.

10 Dated: ~~April~~ ^{May} 28, 2002

CITY OF ARROYO GRANDE

11 By: 
12 Title: Mayor

14 Dated: April __, 2002

CITY OF GROVER BEACH

15 By: _____
16 Title: _____

18 Dated: April __, 2002

CITY OF PISMO BEACH

19 By: _____
20 Title: _____

21 Dated: April __, 2002

OCEANO COMMUNITY SERVICES DISTRICT

22 By: _____
23 Title: _____
24
25
26
27
28

**AGREEMENT REGARDING
MANAGEMENT OF THE
ARROYO GRANDE GROUNDWATER BASIN**

A. Parties

This Agreement is entered into among the Cities of Arroyo Grande, Pismo Beach, Grover Beach and the Oceano Community Services District (collectively referred to hereinafter as "Parties" or "Urban Parties").

B. Recitals

WHEREAS, in January 1983, a Technical Advisory Committee consisting of representatives of Arroyo Grande, Grover City, Pismo Beach, Oceano Community Services District, Port San Luis Harbor District, the Farm Bureau, Avila Beach County Water District and the County of San Luis Obispo ("Committee") determined in reliance on the 1979 Report of the Department of Water Resources entitled Ground Water in the Arroyo Grande Area that the safe yield of the Arroyo Grande Groundwater Basin ("Basin") is 9,500 acre feet per year;

WHEREAS, in or about February 1983, the Parties agreed to enter into a voluntary groundwater management plan to provide for effective management of groundwater resources in the Basin through which each party was given sufficient water to meet its needs as then projected; such needs being met in part by the City of Arroyo Grande foregoing 358 acre feet per year of its historical use and the City of Pismo Beach foregoing 20 acre feet per year of its historical use;

WHEREAS, this management plan provided a reasonable division of the safe yield of the Basin without court imposed groundwater basin adjudication;

WHEREAS, on February 9, 1983, the terms of the management plan were incorporated into Resolution No. 83-1 of the South San Luis Obispo County Water Association Approving the Recommendations of the Committee relating to the Basin (the "Resolution");

WHEREAS, each of the Parties have adopted individual resolutions endorsing the provisions of the Resolution;

WHEREAS, the Parties have generally complied with the terms and conditions of the Resolution; and

WHEREAS, general compliance with the Resolution has proven to be a fair and efficient means of managing and protecting groundwater resources in the Basin as confirmed by the revised final draft report prepared by the Department of Water Resources entitled, Water Resources of Arroyo Grande and Nipomo Mesa, January 2000.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

1. Division of Safe Yield.

a. The Parties agree to a division of the safe yield of the Basin as follows:

Applied Irrigation 5,300 acre feet

Subsurface flow to ocean 200 acre feet

Urban Use:

City of Arroyo Grande 1,202 acre feet

City of Grover Beach 1,198 acre feet

City of Pismo Beach 700 acre feet

Oceano Community Services District 900 acre feet

b. Any increase or decrease in the safe yield of the Basin attributable to changed operation of the Lopez Reservoir, or any other cause, shall first be divided between the Urban Parties and applied irrigation on a pro rata basis using the formula from the 1983 Gentlemen's Agreement, fifty-seven percent (57%) to applied irrigation and forty-three percent (43%) to the Urban Parties. Thereafter, the first 378 acre feet per year of any increase of safe yield allocated to the Urban Parties shall be divided between the City of Arroyo Grande and the City of Pismo Beach on a pro rata basis (95% to Arroyo Grande and 5% to Pismo Beach).

c. The entitlements of each respective Urban Party may be increased based upon the conversion of irrigated agricultural lands to urban use. An Urban Party to this Agreement may increase its entitlement for urban use by a factor of three (3) acre feet per acre per year minus the calculated urban usage per acre per year upon the conversion of irrigated agricultural land to urban usage. "Irrigated agricultural land" shall be that land within the corporate limits of the party that was identified as irrigated agricultural land in the 1979 Department of Water Resources Report entitled Ground Water in the Arroyo Grande Area. This agricultural conversion factor may be applied to all acreage converted to urban use from January 1, 1983, throughout the life of this Agreement. Such an agricultural conversion factor is in the best interests of the overall Basin in that it will not result in any decline in the groundwater service over time. The Parties agree that no water should be converted to urban use within the Basin without establishing that it was irrigated agricultural land as defined in the 1979 Department of Water Resources Report, Groundwater in the Arroyo Grande Area.

d. The Parties agree and understand that the safe yield figures utilized in this Agreement are a product of the 1979 Department of Water Resources Report regarding the Arroyo Grande Basin as adjusted by the 1983 ad hoc Technical Advisory Committee and that the division of the resources is based upon the historical use of each party and a practical accommodation of each Party's needs as they existed at the time of the adoption of the 1983

agreement. It is agreed that the Parties will meet and confer on issues related to safe yield and division of existing water resources upon the final adoption of the new Arroyo Grande Basin study performed by the Department of Water Resources, which is currently in draft.

2. Shared Information and Monitoring: The Urban Parties to this Agreement shall freely share information with each other regarding each of their respective uses of groundwater in the Basin, including all pumping data such as amounts of water extracted, well static water levels, and water quality. The Urban Parties to this Agreement shall meet on a quarterly basis to share this information and to discuss water usage and impacts upon the Basin. The Parties shall conduct a review of water usage and the impacts on Basin hydrology in 2010 and 2020.

3. Term:

a. This Agreement shall bind the Parties indefinitely absent a significant change of circumstances as to available water, water quality, or hydrogeology of the Arroyo Grande Basin. A significant change of circumstances shall allow any Party to opt out of this Agreement if the significant change of circumstances put that Party at risk of not being able to meet its potable water needs.

b. Significant changed circumstances shall include changes within the Basin or outside of the Basin, including but not restricted to, a change in the Lopez Reservoir safe yield or an increase in Lopez Reservoir discharges for conservation purposes that threatens the ability of the Urban Parties to obtain their contractual allotments under their Lopez agreements, or a significant change in groundwater yields or quality, or a reduction in foreign water imported by any Urban Party. The Parties recognize that rainfall within the watershed is the most significant factor affecting the yield of Lopez Reservoir and the Basin.

c. The Parties shall revisit the issue of the allocation of groundwater resources within the Arroyo Grande Basin in 2010 and 2020 in the context of the review provided for in section 2 of this Agreement. The Parties shall make new allocations of groundwater resources at that time if circumstances justify it and if no harm will result to other groundwater users. Priority shall be given to reallocation of historical use of groundwater to Arroyo Grande and Pismo Beach that those agencies chose not to pursue in the entering into of the original Gentlemen's Agreement in 1983 should such new allocations be made.

d. A Party may opt out of this Agreement if significant changed circumstances arise as defined in this section. Such a party shall give all other parties to the agreement not less than six months written notice of its intention to opt out. The written notice shall describe in detail the significant changed circumstances upon which the Party bases its election to opt out of the Agreement.

4. Mediation Agreement: The Parties agree to mediate any disputes that arise out of the Parties' performance under this Agreement, or the interpretation of the terms of this Agreement, prior to instituting any litigation against or between any other Party to this Agreement. Should a Party institute litigation without first offering in good faith to mediate any such dispute, any Party may move for an order compelling mediation and staying the proceedings in the litigation until

after mediation has been completed. The prevailing party on a motion to compel mediation shall be entitled to recover its attorney's fees against any resisting party or any party who filed litigation without first making a good faith attempt to mediate the dispute. This mediation requirement shall not apply where the health and safety of any of the Parties, or any of the Parties' residents, is threatened and they must seek, and have obtained, preliminary relief for the purposes of preserving health and safety.

5. No Third Party Beneficiaries: The Parties are entering into this Agreement in order to reasonably allocate existing groundwater resources between themselves and not to benefit any third parties. This agreement shall only be enforceable between the Parties themselves. This Agreement does not create any right enforceable by any person or entity that is not a party to this Agreement.

6. General Provisions:

a. The Parties warrant that all necessary approvals and authorizations have been obtained to bind them to all terms of this Agreement, and further warrant that the persons signing have authority to sign on behalf of their respective Parties.

b. Written notice under this Agreement shall be given by placing such notice in the first class mail, postage prepaid, or by hand delivery to the current address of the office of any Party to this Agreement.

c. No amendment to this Agreement will be binding on any of the Parties unless it is in writing and signed by an authorized representative of all of the Parties.

d. This Agreement will be construed in accordance with, and governed by, the laws of the State of California as applied to contracts that are executed and performed entirely in California.

e. If any provision of this Agreement is held invalid or unenforceable by any final judgment, it is the intent of the Parties that all other provisions of this Agreement be construed to remain fully valid, enforceable, and binding on the Parties.


f. This Agreement may be executed simultaneously in one or more counterparts, each of which will be considered an original, but all of which together will constitute one and the same instrument.

g. The Parties represent that prior to the execution of this Agreement, they consulted independent legal counsel of their own selection regarding the substance of this Agreement.

WHEREFORE, the Parties publicly consent to the terms and conditions of this Agreement by executing the same as set forth below.

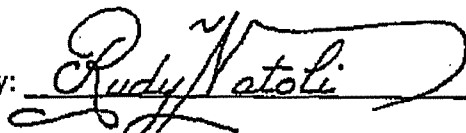
Dated: MAY 30, 2002.

City of Arroyo Grande

By: 
Print Name and Title: MICHAELA LADY, MAYOR


Dated: June 10, 2002.


City of Pismo Beach

By: 
Print Name and Title: MAYOR RUDY NATOLI

Dated: May 21, 2002.

City of Grover Beach

Attest: 
Donna L. McMahon
City Clerk


By: 
Print Name and Title: MAYOR

Dated: April 24, 2002.

Oceano Community Services District

Attest:


Francis M. Cooney, Board Secretary

By: 
Print Name and Title: Board President

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

**EXHIBIT C – NORTHERN LANDOWNER SIGNATURE PAGE FOR
SETTLEMENT AGREEMENT**

1. I am the owner and/or lessor (*circle one or both*) of at least ten acres of agricultural land in the Northern Cities Area (the area so designated on Exhibit A to this Settlement Agreement).

2. Describe the parcel(s) of agricultural land that you own or lease:
- (a) Address(es): _____
 - (b) Assessor's Parcel Number(s): _____
 - (c) Number of acres of agricultural land that you own or lease: _____
 - (d) Approximate number of acre-feet of water pumped annually: _____

3. I have read this Settlement Agreement. I have obtained such legal advice or other counsel regarding its terms as I deem appropriate. I understand and agree to its terms.

Dated: _____, 2002

Print Name of Owner/Lessor: _____

Title of Signer: _____

Signature: Signature Page Filed with Court

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

**EXHIBIT D – SIGNATURE PAGE FOR OTHER PARTIES – WATER PURVEYORS
AND LANDOWNERS OUTSIDE NORTHERN CITIES AREA**

1. I am a party to the Santa Maria Groundwater Litigation, or the legal representative of such a party.

2. I have read this Settlement Agreement. I have obtained such legal advice or other counsel regarding its terms as I deem appropriate. I understand and agree to its terms.

Dated: _____, 2002

Print Name of Party(ies): _____

Title of Signer: _____

Signature: Signature Page Filed with Court

Exhibit 1F

Santa Maria Valley Public Water Purveyor Water Management Agreement

The original signature page of this agreement for Southern California Water Company was filed with the Court on or about September 1, 2005. The original signature page for the City of Guadalupe was filed on or about September 6, 2005. The original signature page for the City of Santa Maria was previously hand-delivered to the Court.

**SANTA MARIA VALLEY PUBLIC WATER PURVEYOR WATER MANAGEMENT
AGREEMENT**

The CITY OF SANTA MARIA ("Santa Maria"), the CITY OF GUADALUPE ("Guadalupe"), and SOUTHERN CALIFORNIA WATER COMPANY ("SCWC") enter into this SANTA MARIA VALLEY PUBLIC WATER PURVEYOR WATER MANAGEMENT AGREEMENT ("Agreement") on this ___ day of _____. Santa Maria, Guadalupe and SCWC are referred to individually as a "Party" and collectively as the "Parties".

RECITALS

A. Santa Maria is a Charter City, providing potable water service to customers within and adjacent to its municipal boundaries.

B. Guadalupe is a general law city, providing potable water service to customers.

C. SCWC is an investor-owned public utility within the meaning of Public Utilities Code section 2400 *et seq.* and operates pursuant to the California Public Utility Act, Public Utilities Code section 200 *et seq.* SCWC provides potable water service to customers within its certificated service area in Santa Barbara County, generally referred to as the "Santa Maria Customer Service Area," which includes four unincorporated areas of Santa Barbara County, commonly known as "Orcutt," "Tanglewood," "Lake Marie," and "Sisquoc," and one unincorporated area in San Luis Obispo County, commonly referred to as the "Nipomo Mesa."

D. On July 20, 2004, Santa Maria and SCWC entered into a Water Management Agreement ("2004 Agreement"), which formalized certain efforts to coordinate the provision of potable water service within their respective service areas. The 2004 Agreement is incorporated herein by reference and remains in full force and effect and is attached as Exhibit A.

E. The Parties have historically relied on local groundwater to provide potable water service to their respective customers and hold rights to pump groundwater ("Groundwater Rights") from the Santa Maria Groundwater Basin ("Basin").

F. The Parties also each hold contracts to receive water from the State Water Project ("SWP Entitlement," collectively, and "Santa Maria SWP Entitlement," "Guadalupe SWP Entitlement," or "SCWC SWP Entitlement," individually). Santa Maria's contract is for 17,800

acre feet, SCWC's contract is for 550 acre feet and Guadalupe's contract is for 610 acre feet. Collectively, the SWP Entitlement totals 18,960 acre-feet per year.

G. The Parties are also litigants in the Santa Maria groundwater basin (*Santa Maria Valley Water Conservation District v. City of Santa Maria, et al.*, Superior Court, County of Santa Clara, Lead Case No. CV 770214 ("Basin Adjudication")).

H. The Parties, along with a large number of other litigants, intend to enter into a stipulation ("Stipulation") which will settle the Basin Adjudication among the stipulating parties.

I. This Agreement is that agreement described as Exhibit F in the Stipulation.

NOW THEREFORE, in consideration of the foregoing recitals and the promises and covenants contained herein, the Parties agree as follows:

Section 1. Definitions. The terms used in this Agreement shall have the same definition as provided in the Stipulation, unless expressly provided otherwise in this Agreement.

Section 2: Purpose. The purpose of this Agreement is to provide the mechanism through which the Parties shall meet their obligations as intended in the Stipulation, through that certain agreement designated as Exhibit F.

Section 3: Term. This Agreement shall be effective concurrently with and on the same terms as the Stipulation, and shall remain in effect concurrent with the Stipulation.

Section 4: Twitchell Yield.

4.1 Division. The Parties agree that the 80% of the 32,000 acre-feet of Twitchell Yield shall be allocated as follows: Santa Maria 14,300 acre-feet; Guadalupe 1,300 acre-feet and SCWC 10,000 acre-feet. The Parties acknowledge that the remaining 20% of the Twitchell Yield (6,400 acre-feet) is allocated to the Overlying Owners within the District who are Stipulating Parties, subject to the terms of the Stipulation.

4.2 Transfer of Twitchell Yield. The Parties agree that any proposed transfer of Twitchell Yield to one of the Parties shall be made available to all Parties. Each Party shall be given 30 days advance notice to elect to participate in any proposed transfer. The amount of transferred Twitchell Yield shall be divided between the Parties participating in the transfer in proportion to those Parties' then existing Twitchell Yield. If only one Party participates in the transfer, that Party shall be entitled to the full amount of transferred Twitchell Yield.

Section 5. Twitchell Management Authority.

5.1 All decision making of the TMA shall be conducted, to the extent reasonably practical, on a consensus basis. Provided, however, if consensus cannot be achieved, TMA decisions shall be made by majority vote. Unless otherwise specified, the weight of each Party's voting rights shall be equivalent to its then-existing Twitchell Yield.

5.2 The Parties will work with the other Twitchell Participants to develop rules and regulations governing the TMA.

5.3 Budget. Each Stipulating Party holding Twitchell Yield shall be obligated to fund the TMA in proportion to that Party's then existing Twitchell Yield.

5.3.1 The TMA shall establish its members' funding obligations through a duly adopted budget, which shall project the TMA funding needs in 3-5 year increments, as it deems necessary to meet its obligations to preserve Twitchell Yield. Any TMA budget shall be adopted at least 18 months in advance of its intended implementation to provide adequate time for SCWC to secure PUC approval to fulfill its financial obligations as a member of the TMA. The Parties will to work cooperatively to achieve consensus on the TMA operating budget. If Santa Maria and SCWC are unable to agree on the operating budget, SCWC shall grant Santa Maria a proxy for purposes of the TMA vote on the operating budget. If SCWC grants such a proxy and an operating budget is subsequently approved, SCWC retains the right to challenge any such operating budget through the Court's reserved jurisdiction provided in the Stipulation. SCWC's obligations with respect to any such operating budget is subject to final approval by the PUC.

5.3.2 Consistent with Section V(D)(3)(c) of the Stipulation, the TMA's annual budget for the first five years following PUC approval of the Stipulation shall be as provided in Exhibit B to this Agreement. As provided in Exhibit B, the TMA budget shall include anticipated costs necessary to fund:

5.3.2.1 The Management Area Engineer activities for the Valley Management Area, including the implementation of the Valley Management Area Monitoring Program and the associated preparation of the Annual Report; and

5.3.2.2 The preparation and implementation of the Twitchell Project Manual; and

5.3.2.3 The funding of Twitchell Project operations and capital funds that the TMA determines are necessary to preserve the Twitchell Yield. The requirements for the Twitchell operational fund shall take into account the amount collected by the District from its current operation and maintenance assessment. The Twitchell capital fund shall consist of any unused revenues from the Twitchell operating fund, plus other funds necessary to implement approved Capital Improvement Projects.

5.4 Capital Improvement Projects.

5.4.1 The Parties agree that if one Party proposes a TMA Capital Improvement Project, that Party shall make available to the other Parties the opportunity to participate in the funding of the TMA Capital Improvement Project in proportion to the Parties' share of Twitchell Yield.

5.4.1.1 If a Party chooses not to participate in the funding of the TMA Capital Improvement Project, and that Party's participation is required to implement the Project, the Parties may petition the Court to resolve the issue on an expedited basis.

5.4.1.2 If a Party chooses not to participate in the funding of the TMA Capital Improvement Project, and that Party's participation is not required to implement the Project, the Party or Parties choosing not to participate in the Project shall grant the Party proposing the Project a proxy for purposes of the TMA vote to approve the Project, so long as the proposed Project will not adversely affect a Party's share of Twitchell Yield or otherwise cause material injury to a Party.

5.4.1.3 If fewer than all Parties participate in the funding of a TMA Capital Improvement Project, the Parties who participate in the funding of the Project shall be entitled to the benefits received from the Project in proportion to their financial contribution.

5.4.2 If an emergency situation exists such that a TMA Capital Improvement Project is necessary to abate the emergency, the Parties may petition the Court for an order approving the Project on an expedited basis.

Section 6. New Urban Uses - SCWC. The 2004 Agreement is expressed modified only as follows:

6.1 All new customers of SCWC, or existing customers proposing to increase their water use through a change in land use requiring a discretionary land use permit or other form of land use entitlement, as specified in Section X(D)(2) of the Stipulation ("SCWC Project

Proponents”) shall provide Supplemental Water to offset the demand associated with that prospective use, through the protocol provided in the 2004 Agreement. The entities that have entered into the Reservation/Purchase Agreements identified on Exhibit C to this Agreement and Exhibit B to the 2004 Agreement are deemed to have satisfied the requirements of this Section and are exempt from the requirements of Section 6.2, below.

6.2 In addition to the fee paid to secure Supplemental Water pursuant to the 2004 Agreement, an additional 20% shall be charged to the SCWC Project Proponent by Santa Maria and shall be placed into either the Twitchell operational fund or the Twitchell capital fund. That incremental charge deposited in the applicable fund, shall be deemed a SCWC contribution to offset any SCWC TMA funding requirements.

Section 7. New Urban Uses – Guadalupe.

7.1 Guadalupe and Santa Maria agree that it is within their mutual interests to cooperate and coordinate their efforts to provide retail water service within their respective service areas.

7.2 Guadalupe and Santa Maria mutually acknowledge the benefits of importing SWP supplies to augment their use of local groundwater.

7.3 It is to the mutual advantage of Guadalupe and Santa Maria to have several alternatives for making use of their SWP Entitlements, Return Flows and Twitchell Yield to create flexibility, reliability, and cost effectiveness in their water supply systems. Santa Maria and Guadalupe shall each have the right to use the other’s unused Twitchell Yield in any given year if needed.

7.4 Guadalupe and Santa Maria agree to work cooperatively to provide a reliable and cost effective mechanism through which Santa Maria and Guadalupe can maximize the use of their respective SWP supplies and Return Flows within the Basin. Santa Maria agrees not to oppose any effort by Guadalupe that is based on reliable data to increase the fixed percentage of Guadalupe’s SWP Return Flow.

7.5 Santa Maria agrees to work cooperatively with Guadalupe to provide Guadalupe with additional SWP supplies. Guadalupe shall compensate Santa Maria through a specified dollar amount or through an exchange of water resources, as Guadalupe and Santa Maria deem appropriate. As further consideration, Santa Maria shall have a right of first refusal to purchase any SWP Return Flows that Guadalupe elects to sell from its existing SWP Entitle-

ment, and any future SWP Entitlement, that are not for use within or adjacent to Guadalupe's service area.

Section 8. Representations or Warranties of Guadalupe. Guadalupe makes the following representations, warranties and covenants to SCWC and Santa Maria:

8.1 Power and Authority to Execute and Perform this Agreement. Guadalupe has the power and authority to enter into this Agreement and to perform its obligations and all necessary approvals and authorizations have been obtained.

8.2 Enforceability. This Agreement constitutes a legal, valid and binding obligation of Guadalupe, and is enforceable against Guadalupe in accordance with its terms.

Section 9. Representations or Warranties of Santa Maria. Santa Maria makes the following representations, warranties and covenants to SCWC and Guadalupe:

9.1 Power and Authority to Execute and Perform this Agreement. Santa Maria has the power and authority to enter into this Agreement and to perform its obligations and all necessary approvals and authorizations have been obtained.

9.2 Enforceability. This Agreement constitutes a legal, valid and binding obligation of Santa Maria, and is enforceable against Santa Maria in accordance with its terms.

Section 10. Representations or Warranties of SCWC. SCWC makes the following representations, warranties and covenants to Santa Maria and Guadalupe:

10.1 Power and Authority to Execute and Perform this Agreement. SCWC is a corporation duly formed and in good standing in the State of California. Subject to California Public Utility Commission approval, expressly including the ability to recover the costs of implementing this agreement through its authorized regulated utility rates, SCWC has the corporate power and authority to enter into this Agreement and to perform its obligations and all necessary corporate approvals and authorizations have been obtained.

10.2 Enforceability. Subject to California Public Utility Commission approval as provided in section 10.1, this Agreement constitutes a legal, valid and binding obligation of SCWC, enforceable against SCWC in accordance with its terms.

Section 11. Remedies Not Exclusive. Remedies provided in this Agreement for enforcement of its terms are intended and shall be construed as cumulative rather than exclusive and shall not be deemed to deprive any Party from also using any other remedies provided by this Agreement or by law.

Section 12. Subject to Applicable Law. The Parties acknowledge and agree that this Agreement and the rights and obligations of the Parties shall be subject to the laws governing municipal corporations as they now exist and as they may be amended or codified by the Legislature of the State of California.

Section 13. Integration. This Agreement shall be integrated with, and interpreted in companion with the 2004 Agreement, the Stipulation, and the final judgment entered in the Basin Adjudication that is based upon the Stipulation. These set of agreements contain the entire understanding between SCWC, Santa Maria and Guadalupe with respect to the subject matter, and supersede all prior agreements, oral or written, and all prior or contemporaneous discussions or negotiations between SCWC, Santa Maria and Guadalupe. This Agreement cannot be amended except in writing signed by all Parties.

Section 14. No Waiver. Any failure or delay on the part any Party to exercise any right under this Agreement shall not constitute a waiver of the right, and shall not preclude such Party from exercising or enforcing the right, or any other provision of this Agreement, on any subsequent occasion.

Section 15. Notices. All notices or other communications required or desired to be given pursuant to this Agreement shall be in writing and shall be hand-delivered, or mailed by certified mail, return receipt requested, or sent by a reputable overnight courier service providing delivery confirmation. Each such notice or communication shall be deemed to be duly given when hand-delivered, or three (3) days after being mailed in any depository maintained by the United States Postal Service, with prepaid postage, certified, return receipt requested or one (1) day after being deposited for next day delivery with Federal Express or other reputable overnight courier. Each such notice or communication shall be addressed to the Parties at their respective addresses set forth next to their signatures below, or such other address as a Party notifies the other in writing.

Section 16. Headings; Section References. Captions and headings appearing in this Agreement are inserted solely as reference aids for the ease and convenience; they shall not be deemed to define or limit the scope or substance of the provisions they introduce, nor shall they be used in construing the intent or effect of such provisions.

Section 17. Separability. If any provision of this Agreement is finally determined by a court to be invalid or unenforceable as written, the provision shall, if possible, be enforced to

the extent reasonable under the circumstances and otherwise shall be deemed deleted from this Agreement. The other provisions of this Agreement shall remain in full force and effect so long as the material purposes of the Agreement and understandings of the Parties are not impaired.

Section 18. Binding Effect Assignment. This Agreement shall only be binding on and inure to the benefit of the Parties, and their respective successors and permitted assigns. No Party shall assign this Agreement except with the prior written approval of the other Parties. Any unauthorized attempt to assign this Agreement shall be null and void. Notwithstanding the foregoing, SCWC shall have the right to assign this Agreement to any affiliate.

Section 19. Attorneys Fees. In the event that any action or proceeding is brought to enforce one or more of the terms of this Agreement, to restrain an alleged violation of this Agreement, or to determine the validity of this Agreement or any part, the prevailing Party in any such action or proceeding shall be entitled to recover from the other its reasonable costs and attorneys' fees, in addition to any other remedies available to it in law or equity. If all Parties are successful in one or more causes of action during any such proceeding, the costs and fees shall be apportioned as determined by the Court.

Section 20. Force Majeure. If by reason of acts of God, earthquakes, floods, storms, explosion, fires, labor troubles, strikes, insurrection, riots, acts of the public enemy, or federal, state, or local law, order, rule, or regulation, any Party is prevented from complying with any condition of this Agreement, then while so prevented the condition shall be suspended and the Party shall be relieved of the obligation of complying with such covenant and shall not be liable for damages for failure to comply with it. Any obligation of any Party shall be extended for as long as it is so prevented from complying with any condition or covenant in the Agreement.

Section 21. Dispute Resolution, Governing Law and Venue. This Agreement is a contract governed in accordance with the laws of the State of California. The Parties agree that if any dispute arises with respect to any provision of this Agreement, the Parties shall meet and confer in an attempt to resolve any such disputes. If, after 90 days, the meet and confer process is unsuccessful, the dispute shall be presented for Court review and determination pursuant to the Court's reserved jurisdiction and judicial review provisions provided in the Stipulation.

Section 22. Counterparts. This Agreement may be signed in any number of counterparts, including counterparts by facsimile signature, each of which shall be deemed an original,

but all of which shall together constitute one and the same instrument. The original signature pages shall be filed with the Court as Exhibit F to the Stipulation.

IN WITNESS WHEREOF, the parties have executed this agreement as of the date first written above.

CITY OF SANTA MARIA:

SCWC:

City of Santa Maria
a California municipal corporation

Southern California Water Company,
a California corporation

By: _____

By: Denise L. Kruger

Name: _____

Name: Denise L. Kruger

Title: _____

Title: Senior Vice President of Operations

Address: _____

Address: 3035 Prospect Park, Suite 60
Rancho Cordova, CA 95670

Fax: _____

Fax: (916) 853-3674

Phone: _____

Phone: (916) 853-3606

Attest:

APPROVED AS TO FORM:

By: _____

By: Robert J. Saperstein

_____, City Clerk

Robert J. Saperstein,
Hatch & Parent
Attorneys for SCWC

APPROVED AS TO FORM:

By: _____

Eric Garner,
Best Best & Krieger
Attorneys for City of Santa Maria

(Signatures continued on following page)

but all of which shall together constitute one and the same instrument. The original signature pages shall be filed with the Court as Exhibit F to the Stipulation.

IN WITNESS WHEREOF, the parties have executed this agreement as of the date first written above.

CITY OF SANTA MARIA:

SCWC:

City of Santa Maria
a California municipal corporation

Southern California Water Company,
a California corporation

By: *L. Lavagnino*
Name: Larry Lavagnino
Title: Mayor

By: _____
Name: Denise L. Kruger
Title: Senior Vice President of Operations

Address: 110 E. Cook St. Rm. 1
Santa Maria, CA 93454

Address: 3035 Prospect Park, Suite 60
Rancho Cordova, CA 95670

Fax: (805) 349-0567
Phone: (805) 925-0951 x204

Fax: (916) 853-3674
Phone: (916) 853-3606

Attest:

APPROVED AS TO FORM:

By: *Patricia A. Perez*
Patricia A. Perez City Clerk
Chief Deputy

By: _____
Robert J. Saperstein,
Hatch & Parent
Attorneys for SCWC

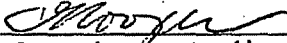
APPROVED AS TO FORM:

By: _____
Eric Garner,
Best Best & Krieger
Attorneys for City of Santa Maria


(Signatures continued on following page)

CITY OF GUADALUPE

City of Guadalupe,
a California municipal corporation

By: 
Name: Carolyn Galloway-Cooper
Title: City Administrator
Address: 918 Obispo Street
Guadalupe, CA 93434
Fax: 805 343-5512
Phone: 805 343-1340

Attest:

By: 
BRENDA HOFF, City Clerk

APPROVED AS TO FORM:


By: 
Mark J. Mulkerin,
Burke, Williams & Sorensen, LLP
Attorneys for Guadalupe

EXHIBIT A
to
STIPULATION EXHIBIT F

WATER MANAGEMENT AGREEMENT

This Water Management Agreement ("Agreement") is made and entered into this ~~30th~~ day of July 2004, by and between the CITY OF SANTA MARIA ("City"), a California municipal corporation, and SOUTHERN CALIFORNIA WATER COMPANY, a California corporation ("SCWC"). The City and SCWC are referred to individually as a "Party" and collectively as the "Parties".

RECITALS

A. The City is a Charter City. The City provides potable water service to customers within the greater Santa Maria area of Santa Barbara County.

B. SCWC is an investor-owned public utility within the meaning of Public Utilities Code Section 2400, *et seq.* and operates pursuant to the California Public Utility Act, Public Utilities Code Section 200, *et seq.* SCWC provides potable water service to customers within its certificated service area in Santa Barbara County, generally referred to as the "Santa Maria Customer Service Area", which includes four unincorporated areas of Northern Santa Barbara County, commonly known as "Orcutt," "Tanglewood," "Lake Marie," and "Sisquoc," and one unincorporated area in San Luis Obispo County, commonly referred to as the "Nipomo Mesa."

C. The City and SCWC have historically cooperated and coordinated their efforts to provide retail water service within their respective service areas.

D. Both the City and SCWC have historically relied on local groundwater to provide potable water service to their respective customers and both hold rights to pump groundwater ("Groundwater Rights") from the Santa Maria Groundwater Basin ("Basin").

E. The City and SCWC also each hold contracts to receive water from the State Water Project ("SWP Entitlement," collectively, and "City SWP Entitlement" or "SCWC SWP Entitlement," individually). Collectively, their contract entitlements total 18,350 acre-feet per year.

F. Both the City and SCWC are legally entitled to retain and recapture that portion of their respective SWP Entitlement that recharges the Basin after the consumptive use of the SWP Entitlement ("Return Flows").

G. The City and SCWC mutually acknowledge the benefits of importing SWP supplies to augment their use of local groundwater.

H. It is to the mutual advantage of the City and SCWC to have several alternatives for making use of their SWP Entitlements, Return Flows and Groundwater Rights, to create flexibility, reliability and cost-effective redundancy in their water supply systems.

I. The County of Santa Barbara ("County") regulates the land use activities within Orcutt. In 1997, the County adopted the Orcutt Community Plan ("OCP"), which establishes, among other things, certain policies regarding water supplies to be secured for new development projects in Orcutt ("Project" or "Projects"). The OCP was amended in 2001. In particular, the OCP requires that the water demand associated with Projects be offset by "supplemental" water supplies that do not result in further overdraft of the Basin ("OCP Water Policies").

J. As of the date of this Agreement, SCWC has fully reserved the SCWC SWP Entitlement for the benefit of Projects (See Section 3 below). In addition, without significant investment in and construction of additional capital facilities and/or the access to City facilities as provided in this Agreement, SCWC is unable to take delivery of the full extent of its SCWC SWP Entitlement.

K. Without the construction of additional capital facilities that extend the SCWC SWP turnout from Tanglewood to Orcutt, SCWC is unable to take delivery of any additional alternative sources of water that may comply with the OCP Water Policies, except as provided in this Agreement.

L. The City has elected to make available to certain Project proponents within Orcutt supplemental water supplies that will satisfy the OCP Water Policies applicable to Projects. (See City Resolution 2003-150, attached as Exhibit "A" ("Resolution 2003-150").)

M. SCWC and the City are also parties to litigation regarding water rights in the Santa Maria groundwater basin (*Santa Maria Valley Water Conservation District v. City of Santa Maria, et al.*, Superior Court, County of Santa Clara, Lead Case No. CV 770214 ("Basin Adjudication"))

N. The Parties intend that this Agreement provide a reliable and cost effective mechanism through which the City and SCWC can maximize the use of their respective SWP supplies within the Basin, while making the most efficient use of existing facilities to take delivery of the Parties' respective SWP supplies.

O. The Parties also intend that this Agreement establish a mechanism through which potential new SCWC customers in Orcutt may access supplemental water through the City, consistent with the OCP Water Policies.

NOW THEREFORE, in consideration of the foregoing recitals and the promises and covenants contained herein, the Parties agree as follows:

Section 1. Purpose. The purposes of this Agreement are to: (a) provide a reliable and cost effective mechanism through which the City and SCWC can maximize the use of their respective SWP supplies within the Basin, (b) make the most efficient use of existing facilities to take delivery of the Parties' respective SWP supplies, (c) secure a reliable means of accessing Supplemental Water (defined below), and (d) fairly allocate the costs of obtaining and using Supplemental Water within the Basin. Nothing in this Agreement shall be interpreted to impose on either Party any obligation that might arise out of the final judgment entered in the Basin Adjudication, other than as expressly provided in this Agreement.

Section 2. Term.

2.1 This Agreement shall be effective on the date first written above ("Effective Date") and shall continue to February 25, 2038, and thereafter shall remain in effect for so long as both the City and SCWC remain SWP contractors ("Term").

2.2 While the Parties contend PUC approval of this Agreement is not required, should the PUC rule that PUC approval is required and that approval of the Agreement as written is denied, the Parties shall make every reasonable effort to modify the Agreement in a manner that the PUC will approve and that also preserves its original, essential terms.

Section 3. Right to Acquire Water.

3.1 The Parties acknowledge that given the limits of existing facilities, SCWC is unable to take full delivery of the SCWC SWP Entitlement through its existing SWP facilities because the water demand in the area with direct access to the SCWC SWP Entitlement (Tanglewood) is significantly less than the full SCWC SWP Entitlement. Further, SCWC has fully committed to those Projects listed in Exhibit "B" ("Committed Projects") SCWC's SWP Entitlement and the use of SCWC's existing facilities to make use of the SCWC SWP Entitlement reserved to the benefit of the Committed Projects. To take delivery of the entirety of the SCWC SWP Entitlement, SCWC must either construct additional capital facilities to extend the

SWP turnout from Tanglewood to Orcutt, and/or obtain the rights to rely on the interconnection between the SCWC and City systems, as provided in this Agreement.

3.2 SCWC agrees that, given its geographic proximity to and existing interconnection with SCWC, the City provides the best, most cost effective, and logical source of Supplemental Water for the benefit of Projects in Orcutt to which SCWC would provide retail potable water service.

3.3 For the purpose of this Agreement, "Supplemental Water" shall mean a portion of the yield of the SWP Entitlement held by the City, or a portion of the historic groundwater rights to the Basin held by the City in accordance with the final judgment entered in the Basin Adjudication.

3.4 In working with Project proponents, SCWC agrees that prior to accepting any water that is intended to satisfy the OCP Water Policies, other than the SCWC SWP Entitlement, Supplemental Water and that obtained under Section 7.1, SCWC shall:

3.4.1 Refer to the City any Project proponent that requests water service from SCWC that is also subject to the OCP Water Policies; and

3.4.2 Allow sufficient time for the City and the Project proponent to attempt to make arrangements consistent with the OCP Water Policies, this Agreement and other applicable considerations.

3.5 The City shall make available Supplemental Water to Projects in Orcutt pursuant to Resolution 2003-150 or a substantially similar policy. The City shall not unreasonably withhold Supplemental Water from Projects in Orcutt.

3.6 If any portion of SCWC's SWP Entitlement becomes uncommitted (i.e., a Committed Project is not approved for development or if the County adjusts upward the reliability factor it applies to SCWC SWP Entitlement), SCWC shall use the uncommitted SCWC SWP Entitlement as specified in this Section 3.6 and the Parties shall undertake the following:

3.6.1 SCWC shall provide written notice to the City of the availability of the SCWC SWP Entitlement ("Notice of Availability"), specifying the quantity of SCWC SWP Entitlement that has become available. Within 45 days of the Notice of Availability, the City shall pay to SCWC \$22,000 per acre foot, adjusted annually based on the consumer price index Los Angeles-Riverside-Orange County), for the SCWC SWP Entitlement specified in the Notice of Availability. Upon provision of payment to SCWC, the City, at its sole discretion, may make

available to Project(s) in Orcutt, as otherwise provided in this Agreement, this SCWC SWP Entitlement as though it is Supplemental Water. SCWC shall continue to use the SCWC SWP Entitlement as though it is fully committed for the benefit of Projects in Orcutt.

3.7 SCWC shall be relieved of its obligation to refer the Project proponent to the City as provided in subsection 3.4, during any period which:

3.7.1 The City determines that the City has no additional Supplemental Water available for use in Orcutt, or the County determines that the City has no additional Supplemental Water available for use in Orcutt. If the Parties disagree with the County's determination, the Parties agree to use their reasonable best efforts to convince the County that the City does have available Supplemental Water.

3.8 After January 1, 2014, SCWC shall be relieved of its obligation to refer the Project Proponent to the City as provided in subsection 3.4, if one or more of the following conditions applies:

3.8.1 A source of water becomes available to SCWC for use in the Basin at a cost less than the cost of the City's Supplemental Water, on a per acre foot basis;

3.8.2 The Parties agree to meet and confer in good faith to attempt to resolve any issues that arise pursuant to this Section 3.8 prior to SCWC seeking an alternative source of water.

3.9 The Parties acknowledge and agree that this Agreement is not a mechanism through which SCWC may use the City's water distribution system to access alternative sources of water, either directly or indirectly, except as expressly provided in this Agreement.

Section 4. Interconnection. The Parties have previously established an interconnection between their respective water distribution facilities, consisting of a two-way meter, meter vault and appurtenances located inside the meter vault ("Interconnection"). The Interconnection is located at Miller Street and Santa Maria Way. The maintenance, repair and improvements to the Interconnection shall be managed as follows:

4.1 The Parties shall share equally the costs of all maintenance and repairs on the Interconnection. SCWC shall be responsible for physically implementing the ongoing maintenance and repair of the Interconnection, subject to the City's prior review of the maintenance and repair plans.

4.2 The Parties shall share the costs of any needed improvements to the Interconnection one-fourth (1/4) by the City and three-fourths (3/4) by SCWC. Unless otherwise arranged between the Parties, SCWC shall be responsible for physically implementing any improvements to the Interconnection. The City shall provide prior input and approval of any improvements to the Interconnection.

4.3 Both the City and SCWC shall have reasonable access to the meter at the Interconnection.

Section 5. Delivery of Water Through the Interconnection. Either Party may take delivery of water through the Interconnection subject to the following conditions (for the purpose of this Agreement, the Party taking delivery shall be referred to as the "Receiving Party" and the Party supplying the water shall be referred to as the "Supplying Party"):

5.1 As a Receiving Party, SCWC shall have a first priority right to use the Interconnection to take delivery each Year (defined below) of only that amount of SCWC SWP Entitlement that SCWC cannot take delivery of through SCWC's own facilities. In addition, each Year, SCWC's receipt of water through the Interconnection pursuant to this Section shall be limited to that quantity of SCWC's SWP Entitlement SCWC has made available for the City's receipt during that Year, at the City's SWP turnout within the City. The City may impose reasonable limitations on the rate of water SCWC takes through the Interconnection subject to this subsection 5.1.

5.2 Subject to SCWC's use of the Interconnection as provided in Section 5.1, either Party may use the Interconnection to take delivery of water by providing the Supplying Party at least 48 hours advance notice of the quantity and rate at which water will be taken.

5.3 Other than as provided in subsection 5.1, the Supplying Party may impose reasonable limitations on the rate and quantity of water to be taken through the Interconnection. Each Party is under an affirmative obligation to accommodate reasonable requests for use of the Interconnection, subject to SCWC's priority right provided in Section 5.1. Unless otherwise agreed between the Parties, the use of the Interconnection other than as provided in Section 5.1 shall be interim and temporary in nature.

5.4 Payment for receipt of water through the Interconnection shall be made in accordance with Section 6.

Section 6. Payments for Delivered Water. The Receiving Party shall pay to the Supplying Party for receipt of water through the Interconnection, as follows:

6.1 Section 5.1 deliveries. For use of the Interconnection as provided in Section 5.1, SCWC shall pay to the Central Coast Water Authority ("CCWA") all costs associated with making available to the City, at the City's SWP turnout within the City, that quantity of the SCWC SWP Entitlement equivalent to that amount of water SCWC intends to receive through the Interconnection. Payment shall be made in accordance with applicable CCWA policies.

6.2 Section 5.2 deliveries. For delivery of water obtained through the Interconnection pursuant to Section 5.2, the Receiving Party shall pay the Supplying Party a per acre-foot charge equivalent to the Supplying Party's cost of producing the water for that Year. The Supplying Party shall determine cost of producing water and shall provide the Receiving Party with an itemized statement summarizing those costs. The Parties agree to meet and confer in good faith regarding any dispute in determining the cost of producing water.

6.3 Neither Party shall be obligated to pay any charge, other than as provided in this Section.

6.4 For the purpose of this Agreement, a "Year" shall refer to a water year commencing on October 1 and ending in the subsequent year on September 30. The Payments required in Section 6.2 shall be made annually, on or before November 1 of each Year, based on actual metered receipt of water through the Interconnection.

Section 7. Additional Supplemental Water. In exchange for the commitments in Section 3 and as an element of consideration for those commitments, the City hereby provides to SCWC, upon the Effective Date, the right to take delivery of 20 acre-feet of Supplemental Water annually for the Term of this Agreement, at no cost to SCWC. The City provides these 20 acre-feet of Supplemental Water under the same terms and conditions provided in Resolution 2003-150. If the County determines that Supplemental Water provided pursuant to Resolution 2003-150 does not satisfy the OCP Water Policies, the City shall provide SCWC at no cost, 20 acre-feet per year of water through the Interconnection, in addition and subject to the same priority as that amount of water SCWC can obtain under Section 5.1. SCWC shall have the right to use 20 acre-feet of water provided in this Section 7 for the benefit of any residential Project.

Section 8. Service Area Integrity. Nothing in this Agreement is intended nor shall it be interpreted to waive either Party's rights to provide water service to current or future areas within or adjacent to their existing service areas. Should the City seek to acquire (by any means) any portion of, or all of the SCWC certificated service area in SCWC's Santa Maria Customer Service Area, the City shall pay as fair compensation, the greater of 10 times the SCWC rate base or the court-approved fair compensation.

Section 9. Representations or Warranties of City. The City makes the following representations, warranties and covenants to SCWC:

9.1 Power and Authority to Execute and Perform this Agreement. The City has the power and authority to enter into this Agreement and to perform its obligations and all necessary approvals and authorizations have been obtained.

9.2 Enforceability. This Agreement constitutes a legal, valid and binding obligation of the City, and is enforceable against the City in accordance with its terms.

Section 10. Representations or Warranties of SCWC. SCWC makes the following representations, warranties and covenants to City:

10.1 Power and Authority to Execute and Perform this Agreement. SCWC is a corporation duly formed and in good standing in the State of California. Subject to the conditions of Section 2.2, SCWC has the corporate power and authority to enter into this Agreement and to perform its obligations and all necessary corporate approvals and authorizations have been obtained. The City agrees that nothing in this representation, warranty or covenant shall be interpreted or applied to negate the City's indemnity obligations provided in Section 12.

10.2 Enforceability. This Agreement constitutes a legal, valid and binding obligation of SCWC, enforceable against SCWC in accordance with its terms.

Section 11. Termination. This Agreement shall terminate as described in Section 2. If this Agreement is terminated prior to the expiration of the Term, its termination shall not impact: (a) any other agreements regarding Supplemental Water between the City and Project proponents, and SCWC and Project proponents, (b) the provision of water to SCWC pursuant to Section 7 and (c) the payments and associated commitments, if any, regarding the SCWC SWP Entitlement between the City and SCWC made pursuant to Section 3.6.

Section 12. Indemnity.

12.1 The City shall hold harmless, defend and indemnify SCWC, its directors, employees, agents, successors and assigns (all of which are herein referred to as the "SCWC Indemnified Parties") from and against all liabilities, obligations, claims, damages, losses, actions, judgments, suits, costs and expenses, including but not limited to reasonable attorneys' fees (collectively, "Damages"), which may be imposed on, incurred by, or asserted against the SCWC Indemnified Parties as a result of or arising out of the restrictions placed on SCWC's access to Supplemental Water as provided in Section 3, and/or the implementation of this Agreement as of the Effective Date as provided in Section 2. This indemnification shall survive termination of the Agreement.

12.2 Promptly following notice of any claim for which SCWC is indemnified, SCWC shall notify the City of such claim in writing. The City shall thereafter defend against such claim, in consultation with SCWC, in a manner the Parties mutually deem appropriate, including settlement on such terms as SCWC and the City both approve. The City and SCWC shall mutually select counsel. SCWC may also elect to have separate representation at its sole discretion and cost. If the City fails to promptly defend such claim, SCWC may defend the claim in any manner it deems appropriate and with counsel of its choice, including without limitation, settlement of the claim on terms SCWC deems appropriate, and to pursue such remedies as may be available to SCWC against the City.

Section 13. Remedies Not Exclusive. Remedies provided in this Agreement for enforcement of its terms are intended and shall be construed as cumulative rather than exclusive and shall not be deemed to deprive either Party from also using any other remedies provided by this Agreement or by law.

Section 14. No Transfer of Water Rights or Contracts. The rights granted pursuant to this Agreement constitute the right to take delivery of water only and shall not be interpreted as a sale, transfer, or assignment of either Party's water rights or contract entitlements.

Section 15. Subject to Applicable Law. The Parties acknowledge and agree that this Agreement and the rights and obligations of the Parties shall be subject to the laws governing municipal corporations as they now exist and as they may be amended or codified by the Legislature of the State of California.

Section 16. Entire Agreement. This Agreement contain the entire understanding between SCWC and the City with respect to the subject matter, and supersedes all prior agreements, oral or written, and all prior or contemporaneous discussions or negotiations between SCWC and the City. This Agreement cannot be amended except in writing signed by both Parties.

Section 17. No Waiver. Any failure or delay on the part either Party to exercise any right under this Agreement shall not constitute a waiver of the right, and shall not preclude such Party from exercising or enforcing the right, or any other provision of this Agreement, on any subsequent occasion.

Section 18. Notices. All notices or other communications required or desired to be given pursuant to this Agreement shall be in writing and shall be hand-delivered, or mailed by certified mail, return receipt requested, or sent by a reputable overnight courier service providing delivery confirmation. Each such notice or communication shall be deemed to be duly given when hand-delivered, or three (3) days after being mailed in any depository maintained by the United States Postal Service, with prepaid postage, certified, return receipt requested or one (1) day after being deposited for next day delivery with Federal Express or other reputable overnight courier. Each such notice or communication shall be addressed to the Parties at their respective addresses set forth next to their signatures below, or such other address as a Party notifies the other in writing.

Section 19. Headings; Section References. Captions and headings appearing in this Agreement are inserted solely as reference aids for the ease and convenience; they shall not be deemed to define or limit the scope or substance of the provisions they introduce, nor shall they be used in construing the intent or effect of such provisions.

Section 20. Separability. If any provision of this Agreement is finally determined by a court to be invalid or unenforceable as written, the provision shall, if possible, be enforced to the extent reasonable under the circumstances and otherwise shall be deemed deleted from this Agreement. The other provisions of this Agreement shall remain in full force and effect so long as the material purposes of the Agreement and understandings of the Parties are not impaired.

Section 21. Binding Effect Assignment. This Agreement shall be binding on and inure to the benefit of the Parties, and their respective successors and permitted assigns. Neither Party shall assign this Agreement except with the prior written approval of the other Party. Any

unauthorized attempt to assign this Agreement shall be null and void. Notwithstanding the foregoing, SCWC shall have the right to assign this Agreement to any affiliate.

Section 22. Attorneys Fees. In the event that any action or proceeding is brought to enforce one or more of the terms of this Agreement, to restrain an alleged violation of this Agreement, or to determine the validity of this Agreement or any part, the prevailing Party in any such action or proceeding shall be entitled to recover from the other its reasonable costs and attorneys' fees, in addition to any other remedies available to it in law or equity. If both Parties are successful in one or more causes of action during any such proceeding, the costs and fees shall be apportioned as determined by the court.

Section 23. Force Majeure. If by reason of acts of God, earthquakes, floods, storms, explosion, fires, labor troubles, strikes, insurrection, riots, acts of the public enemy, or federal, state, or local law, order, rule, or regulation, either Party is prevented from complying with any condition of this Agreement, then while so prevented the condition shall be suspended and the Party shall be relieved of the obligation of complying with such covenant and shall not be liable for damages for failure to comply with it. Any obligation of either Party shall be extended for as long as it is so prevented from complying with any condition or covenant in the Agreement.

Section 24. Governing Law and Venue. This Agreement is a contract governed in accordance with the laws of the State of California. THE PARTIES HEREBY AGREE THAT VENUE FOR ANY ACTION BROUGHT TO ENFORCE THE TERMS OF THIS AGREEMENT SHALL BE IN A COURT OF COMPETENT JURISDICTION IN THE COUNTY OF SANTA BARBARA, CALIFORNIA, AND CONSENT TO THE JURISDICTION THEREOF.

IN WITNESS WHEREOF, the parties have executed this agreement as of the date first written above.

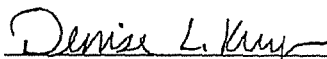
CITY:

SCWC:

City of Santa Maria
a California municipal corporation

Southern California Water Company,
a California corporation

By: 
Name: L. J. Lavagnino
Title: Mayor

By: 
Name: Denise L. Kruger
Title: Senior Vice President of Operations

Address: 110 E. Cook Street
Santa Maria, CA 93454

Fax: (805) 349-0657
Phone: (805) 925-0951, ext. 200

Address: 3035 Prospect Park, Suite 60
Rancho Cordova, CA 95670

Fax: (916) 853-3674
Phone: (916) 853-3606

APPROVED AS TO FORM:

Best Best & Krieger LLP

By:


Eric Garner, Partner

ATTEST:

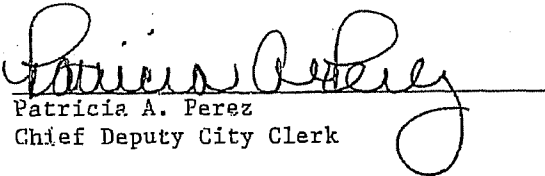

Patricia A. Perez
Chief Deputy City Clerk

EXHIBIT A

RESOLUTION NO. 2003 - 150

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF
SANTA MARIA, CALIFORNIA APPROVING THE SALE OF UP
TO 400 ACRE-FEET ANNUALLY OF SUPPLEMENTAL STATE
WATER PROJECT YIELD AND AUTHORIZING THE CITY
MANAGER TO EXECUTE AGREEMENTS FOR THE SALE OF
UP TO 400 ACRE-FEET ANNUALLY OF SUPPLEMENTAL
STATE WATER PROJECT YIELD**

WHEREAS, the City of Santa Maria ("City") holds contracts to receive water from the State Water Project ("Project"), and can import up to 17,820 acre feet of water per year from the Project; and

WHEREAS, the City also holds rights to pump groundwater from the Santa Maria Valley Groundwater Basin ("Basin"); and

WHEREAS, the County of Santa Barbara ("County") regulates the land use activities within the Orcutt area. In 1997, the County adopted the Orcutt Community Plan ("OCP"), which establishes, among other things, certain policies regarding water supplies to be secured for new development projects in Orcutt. The OCP requires that the water demand associated with projects be offset by "supplemental" water supplies that do not result in further overdraft of the Basin; and

WHEREAS, the City has water available for use in the Orcutt area pursuant to the OCP, that is surplus to that needed to serve the City's current and long-term future anticipated demands; and

WHEREAS, "Supplemental Water" shall mean a portion of the yield of the SWP entitlement held by the City, or a portion of the historic groundwater rights to the Basin held by the City in accordance with the final judgment entered in *Santa Maria Valley Water Conservation District v. City of Santa Maria, et al.*, Superior Court, County of Santa Clara, Lead Case No. CV 770214; and

WHEREAS, the sale of up to 400 acre-feet of Project water will not change the existing setting and will not affect the net amount of water that will be extracted from the Basin; and

WHEREAS, the City is willing to enter into agreements to provide up to 400 acre-feet annually of supplemental water to individual property owners for the benefit of the individual property owners and their associated Projects.

NOW, THEREFORE, IT IS HEREBY RESOLVED by the City Council of the City of Santa Maria as follows:

1. The City Council approves the sale of up to 400 acre-feet annually of Supplemental water.

2. The City Manager is authorized and directed to execute agreements substantially in the form provided for the sale of up to 400 acre-feet of Supplemental water per year for municipal use for the purpose of satisfying the Orcutt Community Plan's policies regarding water supplies.

3. City staff is hereby authorized to make minor changes to the final agreement and directed to file any and all notices that may be required by law.

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Santa Maria held August 5, 2003.

/S/ L. J. LAVAGNINO

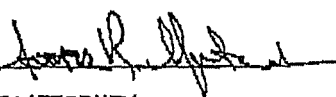
Mayor

ATTEST:

/s/ PATRICIA A. PEREZ

City Clerk

APPROVED AS TO FORM:

BY: 
CITY ATTORNEY

CONTENTS:

BY: 
DEPARTMENT HEAD

BY: 
CITY MANAGER

STATE OF CALIFORNIA)
COUNTY OF SANTA BARBARA) ss.
CITY OF SANTA MARIA)

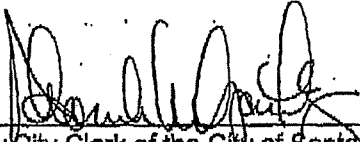
I, **RHONDA M. GARIETZ**, Deputy City Clerk of the City of Santa Maria and ex officio Clerk of the City Council DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of **Resolution No. 2003-150** which was duly and regularly introduced and adopted by said City Council at a regular meeting held **August 5, 2003**, by the following vote:

AYES: **Councilmembers Mariscal, Orach, Patino, Trujillo and Mayor Lavagnino.**

NOES: **None.**

ABSENT: **None.**

ABSTAIN: **None.**



Deputy City Clerk of the City of Santa Maria
and ex officio Clerk of the City Council

EXHIBIT B

SCWC SWP ENTITLEMENT: PROJECT LIST

PROJECT	TYPE	QUANTITY
Oak Knolls South	Residential	3.36 af
Mesa Verde	Residential	33 af
Orthodox Church	Commercial	1.6 af
Fundamental Baptist Church	Commercial	0.6 af
Orcutt Marketplace	Commercial	37 af
Rice Ranch	Residential	350 af
Eskridge Lot Split	Residential	0.5 af
Diamante Estates	Residential	9 af
Hummel Village/Senior Housing	Commercial/Residential	3.5 af
TOTAL		438.6*af

* Because the County of Santa Barbara considers State Water Project water less than 100% reliable, the County applies a reliability factor to the SCWC SWP Entitlement. For the purposes of the projects on this Exhibit B, the County has adopted a 79% reliability factor for the SCWC SWP Entitlement. Based on this reliability factor, the County considers the entirety of the SCWC SWP Entitlement fully committed.

EXHIBIT B
to
STIPULATION EXHIBIT F

DRAFT: Subject to Ratification by the TMA

Exhibit B

**SANTA MARIA VALLEY PUBLIC WATER PURVEYOR WATER
MANAGEMENT AGREEMENT**

**Twitchell Management Authority
Annual Budget
Applicable for 2006-2011**

Item	Amount
Administration	\$50,000
Management Area Engineer	\$100,000
Twitchell Operation (including Twitchell Project Manual)	\$300,000
Monitoring Program/Annual Report	\$100,000
Reserves	\$100,000

EXHIBIT C
to
STIPULATION EXHIBIT F

SUPPLEMENTAL WATER PURCHASE AGREEMENTS

City of Santa Maria and OakGlen General Partnership dated July 31, 2003 – Project known as OakGlen – 22 afy.

City of Santa Maria and Ronald Chappell and Raymond Gonzales dated July 31, 2003 – Project known as 1374 Solomon – 1 afy.

City of Santa Maria and SB Clark LLC dated July 31, 2003 – Project known as Clark Ranch Estates – 200 afy.

City of Santa Maria and Wellmack dated August 18, 2003 – Project known as Jensen's Crossing/Cobblestone Creek – 59 afy.

City of Santa Maria and Harpstone Parntership LP dated August 18, 2003 – Project known as Harp Springs – 26.5 afy.

City of Santa Maria and Stonegate Development LP dated August 18, 2003 – Project StoneGate – 11 afy.

City of Santa Maria and Old Mill Orcutt Venture, LLC dated August 18, 2003 – Project known as Old Mill – 26 afy.

City of Santa Maria and Andy Fetyko dated January 15, 2004 – Project known as Keysite 10 – 10 afy.

City of Santa Maria and Steve LeBard and Debbie LeBard dated February 11, 2004 – Project known as LeBard Project – 2 afy.

City of Santa Maria and Knollwood Properties LP dated March 23, 2004 – Project known as Knollwood Meadows Phase II – 10 afy.

City of Santa Maria and Walter Mendoza dated May 19, 2003 – 1 afy.

City of Santa Maria and Darren Hulstine dated November 17, 2004 – Property located at 1430 Solomon Road – 1 afy.

City of Santa Maria and Cameron Realty Partners dated July 28, 2004 – Project known as Keysite 10 – 10 afy.

City of Santa Maria and David Daniels undated – Project known as 520 W. Rice Ranch Road – ½ afy.

City of Santa Maria and Chris Henderson dated November 30, 2004 – Project known as 295 Siles Lane -- +/- ½ afy.

City of Santa Maria and Simonsen & Associates dated March 1, 2005 – Project known as

Hummel Village II – 3.01 afy.

City of Santa Maria and East Clark Avenue Partnership undated but returned signed on May 9, 2005 – Project known as 250 E. Clark Avenue – 4 afy.

City of Santa Maria and Thor Gjerdrum dated May 12, 2005 – Project known as Rice Oak -- .75 afy

Exhibit 1G

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

the attorneys) and transcripts of Court proceedings (when they are brief) and access to such transcripts by the parties.

B. The Website address is <http://www.sccomplex.org>. A dedicated link to the Santa Maria Groundwater Litigation is contained on the home page of this site.

C. The Court's Website will be maintained, and the tasks required of the Website will be conducted by, the Court's outside Website Vendor:

Andy Jamieson
Global Transactions, Inc.
519 17th St., Oakland, CA 94612
Telephone: 510-548-9050
Email: ajam@glotans.com

D. This Order supercedes and entirely replaces parts VII ("Document Repository") and VIII ("Filing and Service of Papers") of the Court's Case Management Order No. 4. All other parts of Case Management Order No. 4 remain unaffected.

E. The term "Document Repository" as used in Case Management Order No. 4 shall mean the Court's Website.

II. SERVICE LISTS

A. The firm of Hatch & Parent shall compile an initial service list consisting of the service addresses of all parties to the case.

B. On or before July 7, 2000, all parties shall submit to Hatch & Parent the address at which they wish to receive service. Service addresses may be submitted electronically to: GLane@HatchParent.com, or by facsimile to Gina Lane, Hatch & Parent, 805-965-4333.

Parties must elect one of the following three service options. All parties who are able must opt for email service.

1. Parties receiving service electronically shall provide a current electronic mail address, and a backup facsimile number.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

- 2. Parties without email who elect fax service shall provide a current facsimile number.
- 3. Other parties receiving service by U.S. Mail shall provide a current U.S. Mail address.

The court will notify email recipients that a document has been posted; parties must serve other parties by fax and mail.

- C. On or before July 10, 2000, Hatch & Parent shall transmit the initial electronic, facsimile and U.S. Mail service lists to the Website Vendor, based on the addresses submitted by the parties.
- D. All parties are obligated to check their email addresses on the website and notify the vendor immediately of any errors.
- E. New parties, upon making their first appearance in this case, will be required to elect their preferred method of service (i.e. electronic, facsimile, or U.S. Mail).
- F. Parties making any additions, corrections or changes to the electronic, facsimile, or U.S. Mail service lists after June 26, 2000, shall submit their changes directly to the Website Vendor. The Website Vendor shall post and keep current the electronic, facsimile, and U.S. Mail service lists on the Website.
- G. Once a party posts a document, the court, through its website, will make email service. The parties are under a continuing obligation to make fax and mail service of the notice of posting in the normal manner.

///
///
///
///
///

1 III. PLEADING DOCUMENTS

2 A. POSTING OF PLEADING DOCUMENTS

- 3 1. Commencing on July 11, 2000, all parties, including parties who elect service
4 options two (2) and three (3), will be required to serve all Pleading Documents¹
5 by posting them on the Website. Parties without Internet access will have to
6 seek it out at the public library or at copy stores.
- 7 2. Instructions for posting will be provided on the Website itself. Documents
8 posted shall be catalogued according to the instructions provided. The posting
9 party shall provide: its name, the complete title of the document, and the date of
10 posting. All Pleading Documents will be posted to the Website in xml text
11 format (with a copy in PDF format being optional). All Adobe Acrobat
12 resources can be obtained from www.abode.com.
- 13 3. Once a Pleading Document has been posted to the Website, no change shall be
14 made to that document by any party. No Pleading Document posted to the
15 Website shall be removed from the Website except upon further Order of the
16 Court.
- 17 4. Exhibits attached to Pleading Documents shall be submitted as image file
18 attachments in .GIF or .JPG form.
- 19 5. For all Pleading Documents in this case served prior to July 11, 2000, the
20 serving party shall post a copy of that document to the Website no later than
21 August 10, 2000.

22 ///

23 _____

24 1 "Pleading Document" means: pleadings or any other documents produced in the course of this
25 action and required to be filed with the Court, including, but not limited to: (1) all
complaints, cross-complaints and answers, including amendments thereto; (2) all demurrers,
opposition to demurrers and replies; (3) all writ petitions and orders thereon; (4) all
motions, oppositions to motions and replies; (5) all proposed orders; (6) all expert
designations; and (7) all trial briefs.

1 6. Nothing in this Order modifies the manner of obtaining personal jurisdiction
2 (through service of process) over a party who has not appeared in these
3 consolidated actions. Service of process shall proceed in the regular manner
4 provided under California law.

5 B. ELECTRONIC SERVICE AND CONFIRMATION OF RECEIPT

6 1. The Website will be configured to transmit automatically an electronic "Notice
7 of Availability" to all parties on the electronic service list notifying them that a
8 Pleading Document has been served on them and is available for their review on
9 the Website.

10 2. Any party posting a Pleading Document on the Website who does not receive
11 electronic notice indicating that service of their document has been made shall,
12 within 12 hours of its posting, notify the Website Vendor of this problem.

13 3. All Parties electronically served shall confirm receipt of electronic service by
14 replying to the electronic mail "Notice of Availability" message received by no
15 later than 5:00 p.m. on the next business day following posting of the document
16 served, not including weekends and holidays. (For instance, an electronic
17 "Notice of Availability" transmitted at 4:59 p.m. on a Thursday must be
18 confirmed by 5:00 p.m. on Friday. Electronic Notice of Availability transmitted
19 at 5:01 p.m. on a Thursday must be confirmed by 5:00 p.m. on the following
20 Monday.) To confirm receipt, simply select "Reply" and then "Send."

21 4. Parties who fail to confirm receipt of electronic service within the time period
22 specified above will automatically receive a "Notice of Availability" by
23 facsimile from the Court's Website Vendor. A party's repeated failure to timely
24 confirm receipt of electronic service will be reported to the Court, and the court
25

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

will require the party to personally appear to explain his failure to comply with the court's electronic service requirements.

C. FACSIMILE AND U.S. MAIL SERVICE

1. Commencing on July 11, 2000, in addition to posting all Pleading Documents on the Website, all parties shall serve, by facsimile and U.S. Mail as applicable, a "Notice of Availability" on all parties electing to receive service by facsimile or U.S. Mail shall be sufficient to constitute service of the Pleading Document itself.
2. The "Notice of Availability" shall contain; (1) the serving party's name and contact information; (2) the title of the document posted on the Website; and (3) the date of posting; and shall indicate that the document served is available for viewing on the Website.

D. PROOF OF SERVICE

3. All Pleading Documents posted to the Website shall contain a Proof of Service. The Proof of Service shall be sufficient if it indicates: (1) the title of the Pleading Document posted; (2) the date and time of posting; (3) that a "Notice of Availability" has been faxed to all parties on the Website's current facsimile service list; and (4) that a "Notice of Availability" has been mailed to all parties on the Website's current U.S. Mail service list.

///
///
///
///
///

1 IV. DISCOVERY DOCUMENTS

2 A. POSTING OF DISCOVERY DOCUMENTS

- 3 1. Commencing on July 11, 2000, Discovery Documents² that are written requests
4 for discovery or written responses to those requests shall be posted to the
5 Website and served in the same manner as Pleading Documents. For all
6 Discovery Documents that are written requests for discovery or written
7 responses to those requests that are produced prior to July 11, 2000, the
8 producing party shall post a copy of that document to the Website no later than
9 August 10, 2000.
- 10 2. Commencing on July 11, 2000, Discovery Documents that are deposition
11 transcripts (including exhibits), whether party or non-party, shall be posted to the
12 Website and served by the noticing party in the same manner as Pleading
13 Documents. Deposition transcripts shall be posted promptly after receipt of the
14 transcript. For all Discovery Documents that are deposition transcripts
15 (including exhibits) that are produced prior to July 11, 2000, the noticing party
16 shall post a copy of that document to the Website no later than August 10, 2000.
- 17 3. Commencing on July 11, 2000, documents produced in response to a demand for
18 inspection and copying of documents shall be produced by the
19 producing/responding party as follows:
- 20 a. All parties are required to produce documents electronically.
- 21 b. To ensure quality control and uniformity of imaging and indexing, all
22 parties are required to utilize the Document Services Vendor approved
23

24

25 ²"Discovery Documents" means: non-pleading, discovery documents, including, but limited to:
(1) all written discovery requests; (2) all written responses to discovery requests; (3)
documents produced in response to requests or demands for production of documents; (4) all
deposition transcripts; (5) all privilege logs; and (6) all trial exhibits.

1 by the Court: APS, 3485 Sacramento Drive, Suite H, San Luis Obispo,
2 California 93401, (805) 545-9100. All parties shall contact APS directly
3 to establish their individual accounts with the Document Services
4 Vendor.

5 c. Documents produced by a party shall be provided to the Document
6 Services Vendor not later than 15 days after the date of service of the
7 written response (unless another time is set by agreement of the parties
8 or by Order of Court).

9 d. Upon production of document(s) to the Document Services Vendor, the
10 producing/responding party shall post on the Website a "Notice of
11 Submission of Discovery Documents to the Document Services Vendor"
12 indicating: (1) the name of the producing/responding party; (2) the name
13 of the propounding party; (3) the title of the document requesting the
14 production; and (4) the date of the production.

15 e. The Document Services Vendor will apply a standard indexing protocol
16 (including electronic "Bates" stamping and bibliographic fields).

17 f. The Document Services Vendor will transmit electronic images of the
18 documents produced directly to the Website Vendor. The Website
19 Vendor will then post those documents to the Website on behalf of the
20 producing/responding party, and will notify the producing/responding
21 party of this fact.

22 g. Documents previously produced shall be submitted to the Document
23 Services Vendor on or before July 17, 2000.

24 B. COSTS

25 1. Each party producing Discovery Documents shall be responsible for the
scanning/imaging and indexing costs charged by the Document Services Vendor

1 for those services, and any and all costs associated with transmitting these
2 documents to the Website Vendor, as described below.

3 2. A party utilizing the Document Services Vendor for any other services (e.g.,
4 obtaining electronic images of produced documents on CD Rom) shall be
5 responsible for all costs associated with those other services.

6 3. For non-party document productions, the requesting party shall be responsible
7 for posting the documents and for the costs charged by the Document Services
8 Vendor to scan/image and index the documents.

9 **C. PROTECTIVE ORDERS**

10 1. The Court's standard procedures shall apply to any party seeking to protect or
11 limit disclosure of information in a Discovery Document. In lieu of posting of
12 electronic images for documents subject to Court-ordered protection or
13 limitations on disclosure, the Website shall contain a listing of the document and
14 identifying information (including at least the title and description of the
15 document), information on the nature of the protection or limitation ordered by
16 the Court, and information on how to obtain the document.

17 **V. FILING OF DOCUMENTS WITH THE COURT AND EFFECTIVE DATE OF**
18 **SERVICE**

19 A. Notwithstanding the procedures for posting Pleading Documents on the Website
20 provide by this Order, no party is relieved of its responsibility to file any and all
21 documents required by law with this Court.

22 B. All Pleading Documents and any other documents required to be filed with the Court
23 may be filed with the Court by facsimile.

24 C. For purposes of a party's obligation to produce and/or serve upon another party a
25 document, that party shall be deemed to have produced/served the document on the date
on which the document was posted to the Website or submitted to the Document

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

Services Vendor (as applicable). Documents posted to the Website or submitted to the Document Services Vendor after the close of a business day (5:00 p.m.) shall be deemed to have been produced/served on the next business day.

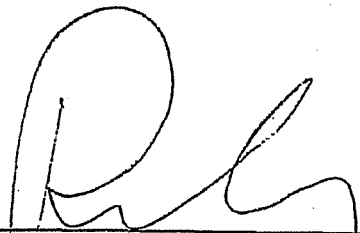
D. For purposes of a party's obligation to respond to any document served on him, service by electronic posting, facsimile and U.S. Mail in accordance with this Order shall be deemed to be service by facsimile transmission in accordance with Code of Civil Procedure section 1013(e), and the time obligations and duties of the parties shall be governed as if such service had been made by facsimile transmission.

E. All parties are under a continuing obligation to post all Pleading Documents and Discovery Documents to the Website, in the manner described in this Order.

VI. STAY

A. The stay on responsive pleadings imposed by the court at the May 12, 2000 hearing is lifted. Responsive pleadings are due July 17, 2000 and shall be posted in accordance with section III.A.2. of this order.

Dated this 27th day of June, 2000



CONRAD L. RUSHING
Judge of the Superior Court

Exhibit 1H

RECORDING REQUESTED BY:

XYZ CORPORATION

WHEN RECORDED MAIL TO:

**CITY OF SANTA MARIA
A California municipal corporation
110 E. Cook Street
Santa Maria, CA 903454**

**THIS SPACE RESERVED FOR RECORDER ONL
(Gov. Code 27361.6)**

NOTICE OF AGREEMENT BY STIPULATION

THIS NOTICE ("Notice") is authorized and required to be recorded in Santa Barbara County by order of the Superior Court of the County of Santa Clara and Government Code Section 27201.

Effective _____, 2005 the Clerk of the Court for Santa Clara County has entered a written stipulation in the matter of *Santa Maria Valley Water Conservation District v. City of Santa Maria*, Santa Clara County Superior Court, Lead Case No. CV 770214 (hereinafter "Stipulation") affecting the use of water rights in the Santa Maria Groundwater Basin as more particularly described in the Stipulation. A copy of the Stipulation is on file with and may be viewed at the Santa Clara County Superior Court, City of Santa Maria, City of Guadalupe, and County of Santa Barbara. The below stated Stipulating Party and it's real property located in Santa Barbara County bound by the terms of the Stipulation is identified in Exhibit "A" attached hereto and incorporated herein.

**XYZ CORPORATION
A California corporation**

By:
Name:
Title:

EXHIBIT "A"

STIPULATING PARTY AND PROPERTY DESCRIPTION (Santa Barbara County)

<u>Stipulating Party</u>	<u>Property Description</u>
XYZ Corporation	(APN 101-040-014) NW ¼ of SW ¼, Section 1, R 29E, T 30S, MDB&M (APN 101-040-019) As described in that certain recorded instrument No. 123, Recorded June 29, 2001, Book 123, Page 111, Santa Barbara County Recorder.

RECORDING REQUESTED BY:

XYZ CORPORATION

WHEN RECORDED MAIL TO:

**NIPOMO COMMUNITY SERVICES
DISTRICT**

**A California CSD
148 South Wilson Street
Nipomo, CA 93444**

**THIS SPACE RESERVED FOR RECORDER ONL
(Gov. Code 27361.6)**

NOTICE OF AGREEMENT BY STIPULATION

THIS NOTICE ("Notice") is authorized and required to be recorded in San Luis Obispo County by order of the Superior Court of the County of Santa Clara and Government Code Section 27201.

Effective _____, 2005 the Clerk of the Court for Santa Clara County has entered a written stipulation in the matter of *Santa Maria Valley Water Conservation District v. City of Santa Maria*, Santa Clara County Superior Court, Lead Case No. CV 770214 (hereinafter "Stipulation") affecting the use of water rights in the Santa Maria Groundwater Basin as more particularly described in the Stipulation. A copy of the Stipulation is on file with and may be viewed at the Santa Clara County Superior Court, Nipomo Community Services District, Oceano Community Services District, City of Arroyo Grande, City of Grover Beach, City of Pismo Beach, and County of San Luis Obispo. The below stated Stipulating Party and it's real property located in San Luis Obispo County bound by the terms of the Stipulation are identified in Exhibit "A" attached hereto and incorporated herein.

XYZ CORPORATION
A California corporation

By:
Name:
Title:

EXHIBIT "A"

STIPULATING PARTY AND PROPERTY DESCRIPTION (San Luis Obispo County)

<u>Stipulating Party</u>	<u>Assessors Parcel Number</u>
XYZ Corporation	(APN 101-040-014) NW ¼ of SW ¼, Section 1, R 29E, T 30S, MDB&M (APN 101-040-019) As described in that certain recorded instrument No. 123, Recorded June 29, 2001, Book 123, Page 111, San Luis Obispo County Recorder.

Exhibit 2

Non-Stipulating Landowner Group Parties and Wineman Parties

Note: The Assessor Parcel Number (APN) and ownership information is derived from the stipulation entered into on February 28, 2006 by the Landowner Group (LOG), Wineman Parties and the Public Water Producers as to the overlying parcels of property owned by the LOG and Wineman Parties at the time of Phase IV of the trial. (Property Ownership Stipulation, Phase IV Trial, February 28, 2006.) The applicable Phase IV Trial Exhibit No. for each overlying parcel is provided.

Litigation Group: Wineman, et al.

Owner, per Deed provided on 2/28/06	Owner as of 2/28/06 Stipulation	APN	Phase IV Trial Exhibit No.	Deed No.¹
James M. Acquistapace and Tracy L. Acquistapace, Trustees of the Acquistapace 2004 Family Trust under the Declaration of Trust dated March 25, 2004	Acquistapace, James M. and Tracey L., Trustees of the Acquistapace 2004 Family Trust	128-094-034	Exh. 30	2004-116736 (SB)
Adam Agricultural Limited Partnership	Adam Agricultural Limited Partnership	117-160-041	Exh. 6, 23	98-6980 (SB)
Adam Agricultural Limited Partnership	Adam Agricultural Limited Partnership	117-170-060 117-170-064	Exh. 6, 23	98-006978 (SB)

¹ Property in San Luis Obispo County is indicated by ð(SLOö) after the deed number; property in Santa Barbara County is indicated by ö(SB) after the deed number.ö

December 21, 2007

Owner, per Deed provided on 2/28/06	Owner as of 2/28/06 Stipulation	APN	Phase IV Trial Exhibit No.	Deed No.¹
Same	Adam Agricultural Limited Partnership; Acquistapace, James M.; and Acquistapace, Mili and Acquistapace, Barbara, as Trustees of the Acquistapace 2003 Family Trust dated December 31, 2003	113-080-010 113-080-022	Exh. 6	98-006980 (SB) 2004-6956 (SB) 2005-20121 (SB)
Same	Adam, George J.; Adam, John F. Jr.; and Adam, Dena Acquistapace, as Trustees; Adam, Mark S.; Adam, Mark K.; and Cruden, Christine M.	117-160-033	Exh. 9a	92-003154 (SB)
Same	B. Pezzoni Estate Company	113-190-006 113-200-003 113-200-004	Exhs. 12-13	Book 144, Page 479 and 534 (1914), and Book 58, Page 351 (1896) of Deeds
Same	Clark, Richard L. and Janet A., Trustees of the Rick and Janet Family Trust dated September 24, 1986	117-170-063	Exh. 24A	2005-0123547
Same	Clark, Richard L. and Janet A., Trustees of the Rick and Janet Family Trust dated September 24, 1986	128-094-038 128-094-039	Exh. 15	96-046840 (SB) 96-046845 (SB) 96-046840 (SB) 96-046845 (SB)

December 21, 2007

Exhibit 2
2 of 36

Owner, per Deed provided on 2/28/06	Owner as of 2/28/06 Stipulation	APN	Phase IV Trial Exhibit No.	Deed No.¹
Same	Wineman, Edward S.; Brooks, Carol; Hanson, Fred W., and Hanson, Nancy W. - as Trustees of the Hanson Revocable Trust; and Helen J. Freeman	117-200-030 117-191-050	Exh. 27	98-049296 90-066154
Same	Wineman, Edward S.; Brooks, Carol; Hanson, Fred W., and Hanson, Nancy W. - as Trustees of the Hanson Revocable Trust; and Helen J. Freeman	117-200-032 117-191-008	Exh. 28	94-012663
Same	Hanson, Fred W. and Nancy W., Co-Trustees of the Hanson Revocable Trust	117-091-050	Exh. 27	Quitclaim Deed dated 4/97

December 21, 2007

Landowner Group Parties (LOG)

Legal description(s) from Trial Exhibit 2A page: G109-G112
Location on Court Web site: <http://www.sccomplex.org/docfiles/X8CFA4A6EFB0.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1975-14582
Associated Trial Exhibit 2A APN(s): 113 070 023, 113 070 025, 113 070 030
Associated Trial Exhibit 2A Owner(s): George R. Niedens and Nancy C. Niedens, as Co-Trustees Under that Declaration of Trust Dated August 16, 1972 Wherein the Survivor is First Successor

Legal description(s) from Trial Exhibit 2A page: G118
Location on Court Web site: <http://www.sccomplex.org/docfiles/NB8FAD2C2C19.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1993-028545
Associated Trial Exhibit 2A APN(s): 128 094 035, 128 094 036, 128 094 037
Associated Trial Exhibit 2A Owner(s): Alamo West, a General Partnership

Legal description(s) from Trial Exhibit 2A page: G126
Location on Court Web site: <http://www.sccomplex.org/docfiles/TA0FAE04ED9D.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1995-001382
Associated Trial Exhibit 2A APN(s): 129 010 032
Associated Trial Exhibit 2A Owner(s): Plantel Nurseries, Inc., A California Corporation

Legal description(s) from Trial Exhibit 2A page: G129
Location on Court Web site: <http://www.sccomplex.org/docfiles/TA0FAE04ED9D.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1996-000229
Associated Trial Exhibit 2A APN(s): 129 100 015, 129 100 036
Associated Trial Exhibit 2A Owner(s): Plantel Nurseries, Inc., A California Corporation

December 21, 2007

Exhibit 2
4 of 36

Legal description(s) from Trial Exhibit 2A page:	G138 to G141
Location on Court Web site:	http://www.sccomplex.org/docfiles/G42FAF639433.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 1997-071138
Associated Trial Exhibit 2A APN(s):	128 093 009, 128 093 012, 128 093 027, 128 094 025, 128 094 026, 128 094 027, 128 094 028
Associated Trial Exhibit 2A Owner(s):	Santa Maria Berry Farms LLC., A Limited Liability Company
Legal description(s) from Trial Exhibit 2A page:	G149-G149.5
Location on Court Web site:	http://www.sccomplex.org/docfiles/F13FB08054D2.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 2001-0018695
Associated Trial Exhibit 2A APN(s):	117 020 047, 117 170 029
Associated Trial Exhibit 2A Owner(s):	Iceberg Holdings LP., a California Limited Partnership
Legal description(s) from Trial Exhibit 2A page:	G151
Location on Court Web site:	http://www.sccomplex.org/docfiles/F13FB08054D2.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 1998-102461
Associated Trial Exhibit 2A APN(s):	107 070 009, 107 070 046, 109 200 033
Associated Trial Exhibit 2A Owner(s):	Iceberg Holdings LP., a California Limited Partnership
Legal description(s) from Trial Exhibit 2A page:	G153
Location on Court Web site:	http://www.sccomplex.org/docfiles/F13FB08054D2.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 1998-102460
Associated Trial Exhibit 2A APN(s):	117 170 002
Associated Trial Exhibit 2A Owner(s):	Iceberg Holdings LP., a California Limited Partnership
Legal description(s) from Trial Exhibit 2A page:	G155-G158
Location on Court Web site:	http://www.sccomplex.org/docfiles/F13FB08054D2.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 1998-102459
Associated Trial Exhibit 2A APN(s):	111 240 005, 111 240 007, 111 240 024
Associated Trial Exhibit 2A Owner(s):	Iceberg Holdings LP., a California Limited Partnership

December 21, 2007

Legal description(s) from Trial Exhibit 2A page: G182
Location on Court Web site: <http://www.sccomplex.org/docfiles/F2901A67B967.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1992-101289
Associated Trial Exhibit 2A APN(s): 117 020 043
Associated Trial Exhibit 2A Owner(s): Howard Freeman Mehlschau and Donna Gene Mehlschau Trustees U/D/T dated June 26, 1992 F/B/O the Mehlschau Family Trust

Legal description(s) from Trial Exhibit 2A page: G185
Location on Court Web site: <http://www.sccomplex.org/docfiles/F2901A67B967.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1992-073777
Associated Trial Exhibit 2A APN(s): 091 301 042
Associated Trial Exhibit 2A Owner(s): Howard Freeman Mehlschau and Donna Gene Mehlschau Trustees U/D/T dated June 26, 1992 F/B/O the Mehlschau Family Trust

Legal description(s) from Trial Exhibit 2A page: G188-G189
Location on Court Web site: <http://www.sccomplex.org/docfiles/F2901A67B967.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1992-101290
Associated Trial Exhibit 2A APN(s): 117 020 042
Associated Trial Exhibit 2A Owner(s): Howard Freeman Mehlschau and Donna Gene Mehlschau Trustees U/D/T dated June 26, 1992 F/B/O the Mehlschau Family Trust

Legal description(s) from Trial Exhibit 2A page: G193
Location on Court Web site: <http://www.sccomplex.org/docfiles/E5E022773070.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2005-0112330
Associated Trial Exhibit 2A APN(s): 113 200 014, 113 210 012
Associated Trial Exhibit 2A Owner(s): Lawrence J. Ferini and Traci L. Ferini, Trustees of the Ferini 2005 Family Trust, dated October 24, 2005

December 21, 2007

Exhibit 2
6 of 36

Legal description(s) from Trial Exhibit 2A page: G200
Location on Court Web site: <http://www.sccomplex.org/docfiles/CA4022F41136.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0089429
Associated Trial Exhibit 2A APN(s): 113 130 009, 113 130 013
Associated Trial Exhibit 2A Owner(s): Ferini-Crews-Ferini, LLC, a California manager-managed limited liability company

Legal description(s) from Trial Exhibit 2A page: G205
Location on Court Web site: <http://www.sccomplex.org/docfiles/A390238D11EF.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2005-0098279 and
Associated Trial Exhibit 2A APN(s): 113 120 032
Associated Trial Exhibit 2A Owner(s): Nadine L. Ferini, Alberta J. Lefler and Darlene V. Krouse, Co-Trustees of The Nadine L. Ferini Survivor's Trust dated February 28, 2004, as to 50% of an undivided 50% interest (being an undivided 25% interest); and Nadine L. Ferini, Alberta J. Lefler and Darlene V. Krouse, Co-Trustees of The Ferini Credit Trust dated February 28, 2004, as to 50% of an undivided 50% interest (being an undivided 25% interest); as tenants-in-common

Legal description(s) from Trial Exhibit 2A page: G211
Location on Court Web site: <http://www.sccomplex.org/docfiles/A390238D11EF.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2005-00112328
Associated Trial Exhibit 2A APN(s): 113 120 032
Associated Trial Exhibit 2A Owner(s): Lawrence J. Ferini and Traci L. Ferini, Trustees of the Ferini 2005 Family Trust, dated October 24, 2005, as to an undivided fifty percent (50%) interest

Legal description(s) from Trial Exhibit 2A page: G215
Location on Court Web site: <http://www.sccomplex.org/docfiles/TEC0242C9DD3.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2005-0119317
Associated Trial Exhibit 2A APN(s): 128 099 005
Associated Trial Exhibit 2A Owner(s): IJC, Inc.

December 21, 2007

Exhibit 2
7 of 36

Legal description(s) from Trial Exhibit 2A page:	G220
Location on Court Web site:	http://www.sccomplex.org/docfiles/WDC024C4AF82.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 1990-023939
Associated Trial Exhibit 2A APN(s):	107 150 001, 109 200 028
Associated Trial Exhibit 2A Owner(s):	Gerald W. Shipsey, John F. Adam, JR., William P. Adam, JR., Miriam L. Schnebly and Mary Ann Fumia, as successor Trustees under that certain "Adam Family Trust Agreement" dated January 20, 1966
Legal description(s) from Trial Exhibit 2A page:	G226
Location on Court Web site:	http://www.sccomplex.org/docfiles/WEB0255D3B10.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 2003-0152514
Associated Trial Exhibit 2A APN(s):	117 020 048
Associated Trial Exhibit 2A Owner(s):	Jerry Yeates and Constance M. Yeates are the co-trustees of the EGST EE Trust F80 James R. Adam Jr., created under the James R. Adam Family Trust UDTA dated July 31, 1978 and of the EGST EE Trust FBO Constance M. Yeates created under the James R. Adam Family Trust UDTA dated July 31, 1978. Trust UDTA dated July 31, 1978 as to an undivided one-half interest
Legal description(s) from Trial Exhibit 2A page:	G234
Location on Court Web site:	http://www.sccomplex.org/docfiles/J290261966BC.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 2005-0059183
Associated Trial Exhibit 2A APN(s):	117 170 065
Associated Trial Exhibit 2A Owner(s):	Kieran L. Adam, a married man as his sole and separate property, an undivided fifteen percent (15%) interest, to Dominic L. Adam, a married man as his sole and separate property, an undivided fifteen percent (15%) interest, to Peter L. Adam, a married man as his sole and separate property, an undivided fifteen percent (15%) interest, and to Richard E. Adam Jr. a married man as his sole and separate property, an undivided fifteen percent (15%) interest

December 21, 2007

Legal description(s) from Trial Exhibit 2A page: G235
Location on Court Web site: <http://www.sccomplex.org/docfiles/J290261966BC.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1996-055894
Associated Trial Exhibit 2A APN(s): 117 170 065
Associated Trial Exhibit 2A Owner(s): Richard E. Adam and Bernadette F. Adam, Trustees of the Richard E. Adam Family Loving Trust u/d/t dated June 2, 1993

Legal description(s) from Trial Exhibit 2A page: G230
Location on Court Web site: <http://www.sccomplex.org/docfiles/WEB0255D3B10.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0064697
Associated Trial Exhibit 2A APN(s): 117 170 052
Associated Trial Exhibit 2A Owner(s): Constance M. Yeates and Robert E. Crandall, Co-Trustees of the EGST EE Trust FBO James R. Adam Jr. created under the James Adam Family Trust UDTA dated July 31, 1978 as to an undivided one-half interest and Constance M. Yeates and Robert E. Crandall, Co-Trustees of the EGST EE Trust FBO Constance M. Yeates created under the James R. Adam Family Trust UDTA dated July 31, 1978, as to an undivided one-half interest.

Legal description(s) from Trial Exhibit 2A page: G231
Location on Court Web site: <http://www.sccomplex.org/docfiles/WEB0255D3B10.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0064697
Associated Trial Exhibit 2A APN(s): 117 170 062
Associated Trial Exhibit 2A Owner(s): Constance M. Yeates and Robert E. Crandall, Co-Trustees of the EGST EE Trust FBO James R. Adam Jr. created under the James Adam Family Trust UDTA dated July 31, 1978 as to an undivided one-half interest and Constance M. Yeates and Robert E. Crandall, Co-Trustees of the EGST EE Trust FBO Constance M. Yeates created under the James R. Adam Family Trust UDTA dated July 31, 1978, as to an undivided one-half interest.

December 21, 2007

Exhibit 2
9 of 36

Legal description(s) from Trial Exhibit 2A page: G246
Location on Court Web site: <http://www.sccomplex.org/docfiles/H3E02A829873.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0064698
Associated Trial Exhibit 2A APN(s): 117 170 062
Associated Trial Exhibit 2A Owner(s): Constance M. Yeates and Robert E. Crandall, Co-Trustees of the EGST EE Trust FBO James R. Adam Jr. created under the James Adam Family Trust UDTA dated July 31, 1978 as to an undivided one-half interest and Constance M. Yeates and Robert E. Crandall, Co-Trustees of the EGST EE Trust FBO Constance M. Yeates created under the James R. Adam Family Trust UDTA dated July 31, 1978, as to an undivided one-half interest.

Legal description(s) from Trial Exhibit 2A page: G250
Location on Court Web site: <http://www.sccomplex.org/docfiles/H3E02A829873.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0064699
Associated Trial Exhibit 2A APN(s): 117 170 062
Associated Trial Exhibit 2A Owner(s): Constance M. Yeates and Robert E. Crandall, Co-Trustees of the EGST EE Trust FBO James R. Adam Jr. created under the James Adam Family Trust UDTA dated July 31, 1978 as to an undivided one-half interest and Constance M. Yeates and Robert E. Crandall, Co-Trustees of the EGST EE Trust FBO Constance M. Yeates created under the James R. Adam Family Trust UDTA dated July 31, 1978, as to an undivided one-half interest.

Legal description(s) from Trial Exhibit 2A page: G257-G259
Location on Court Web site: <http://www.sccomplex.org/docfiles/TC02B9F09A0.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1997-065697
Associated Trial Exhibit 2A APN(s): 113 200 011
Associated Trial Exhibit 2A Owner(s): U.S. Trust Company of California, N.A., as Trustee of the Vecchioli Family Trust, established under the Restated Provisions of the Declaration of Trust of Andre LeRoy, dated April 4, 1980, as approved, ordered and filed by the Superior Court of the State of California, in and for the County of San Mateo, Case No. 85333, on June 20, 1997

December 21, 2007

Exhibit 2
10 of 36

Legal description(s) from Trial Exhibit 2A page: G263-G264
Location on Court Web site: <http://www.sccomplex.org/docfiles/TC02B9F09A0.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1997-065685
Associated Trial Exhibit 2A APN(s): 117 191 005, 117 191 006, 117 191 007, 117 191 014
Associated Trial Exhibit 2A Owner(s): U.S. Trust Company of California, N.A., as Trustee of the Vecchioli Family Trust, established under the Restated Provisions of the Declaration of Trust of Andre LeRoy, dated April 4, 1980, as approved, ordered and filed by the Superior Court of the State of California, in and for the County of San Mateo, Case No. 85333, on June 20. 1997

Legal description(s) from Trial Exhibit 2A page: G267-G268
Location on Court Web site: <http://www.sccomplex.org/docfiles/TC02B9F09A0.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1997-065675
Associated Trial Exhibit 2A APN(s): 113 140 001, 113 140 010
Associated Trial Exhibit 2A Owner(s): U.S. Trust Company of California, N.A., as Trustee of the Vecchioli Family Trust, established under the Restated Provisions of the Declaration of Trust of Andre LeRoy, dated April 4, 1980, as approved, ordered and filed by the Superior Court of the State of California, in and for the County of San Mateo, Case No. 85333, on June 20. 1997

Legal description(s) from Trial Exhibit 2A page: G284.5
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder3/G280-290.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2005-0015824
Associated Trial Exhibit 2A APN(s): 129 170 010, 129 170 016
Associated Trial Exhibit 2A Owner(s): CMT, LLC a California Limited Liability Company

Legal description(s) from Trial Exhibit 2A page: G299-G301
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder3/G291-303.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1975-14578
Associated Trial Exhibit 2A APN(s): 113 070 026
Associated Trial Exhibit 2A Owner(s): J.J.C. of Santa Maria, Inc., a California corporation

December 21, 2007

Exhibit 2
11 of 36

Legal description(s) from Trial Exhibit 2A page: G304
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder3/G304-311.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1996-030432
Associated Trial Exhibit 2A APN(s): 113 090 020
Associated Trial Exhibit 2A Owner(s): Teixeira Brothers Land Partnership

Legal description(s) from Trial Exhibit 2A page: G314
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1993-041063
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): J.C. Teixeira and Elsie G. Teixeira, trustees of the S.C. and Elsie Teixeira Living Trust dated August 31, 1983, as to an undivided 95% interest, Norman J. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Allan C. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Marvin C. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Glenn J. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, and Dean M. Teixeira, a married man as his sole and separate property, as to undivided 1% interest

Legal description(s) from Trial Exhibit 2A page: G321
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0039413
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn I Teixeira and Dean M. Teixeira. Co-Trustees of the Elsie G. Teixeira Children's Trust I dated October 19, 1999, as to an undivided 9.73 interest

December 21, 2007

Exhibit 2
12 of 36

Legal description(s) from Trial Exhibit 2A page: G324
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0012000
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn J. Teixeira and Dean M. Teixeira, Co-Trustees of the Elsie G. Teixeira Children's Trust I dated October 19, 1999

Legal description(s) from Trial Exhibit 2A page: G331
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082256
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira and Evelyn M. Teixeira, trustees of the Norman and Evelyn Teixeira Living Trust dated February 28, 1984, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G335
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082257
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): Allan C. Teixeira and Cecilia T. Teixeira, trustees of the Allan and Cecilia Teixeira Living Trust dated June 17, 1983, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G339
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082258
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): Marvin C, Teixeira and Paulette M. Teixeira, trustees of the Marvin and Paulette Teixeira Living Trust dated August 8, 1983, an undivided 14% interest

December 21, 2007

Exhibit 2
13 of 36

Legal description(s) from Trial Exhibit 2A page: G343
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082259
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): Glenn J. Teixeira and Karen S. Teixeira, trustees of the Glenn and Karen Teixeira Living Trust dated May 19, 1989, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G347
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082260
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): Dean M. Teixeira and Nancy M. Teixeira, trustees of the Dean and Nancy Teixeira Living Trust dated November 24, 1986, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G358
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0039412
Associated Trial Exhibit 2A APN(s): 113 050 052
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn J. Teixeira and Dean M. Teixeira, Co-Trustees Of The Elsie G. Teixeira Children's Trust I dated October 19, 1999

December 21, 2007

Exhibit 2
14 of 36

Legal description(s) from Trial Exhibit 2A page: G314
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1993-041063
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): J.C. Teixeira and Elsie G. Teixeira, trustees of the S.C. and Elsie Teixeira Living Trust dated August 31, 1983, as to an undivided 95% interest, Norman J. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Allan C. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Marvin C. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Glenn J. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, and Dean M. Teixeira, a married man as his sole and separate property, as to undivided 1% interest

Legal description(s) from Trial Exhibit 2A page: G322
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0039413
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn I Teixeira and Dean M. Teixeira. Co-Trustees of the Elsie G. Teixeira Children's Trust I dated October 19, 1999, as to an undivided 9.73 interest

Legal description(s) from Trial Exhibit 2A page: G324
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0012000
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn J, Teixeira and Dean M. Teixeira, Co-Trustees Of The Elsie G. Teixeira Children's Trust I dated October 19, 1999

December 21, 2007

Exhibit 2
15 of 36

Legal description(s) from Trial Exhibit 2A page: G331
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082256
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira and Evelyn M. Teixeira, trustees of the Norman and Evelyn Teixeira Living Trust dated February 28, 1984, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G335
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082257
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): Allan C. Teixeira and Cecilia T. Teixeira, trustees of the Allan and Cecilia Teixeira Living Trust dated June 17, 1983, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G339
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082258
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): Marvin C, Teixeira and Paulette M. Teixeira, trustees of the Marvin and Paulette Teixeira Living Trust dated August 8, 1983, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G343
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082259
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): Glenn J. Teixeira and Karen S. Teixeira, trustees of the Glenn and Karen Teixeira Living Trust dated May 19, 1989, an undivided 14% interest

December 21, 2007

Exhibit 2
16 of 36

Legal description(s) from Trial Exhibit 2A page: G347
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082260
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): Dean M. Teixeira and Nancy M. Teixeira, trustees of the Dean and Nancy Teixeira Living Trust dated November 24, 1986, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G359
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0039412
Associated Trial Exhibit 2A APN(s): 129 210 003
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira. Marvin C. Teixeira, Glenn J. Teixeira And Dean M. Teixeira, Co-Trustees Of The Elsie G. Teixeira Children's Trust I dated October 19, 1999

Legal description(s) from Trial Exhibit 2A page: G314
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1993-041063
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): J.C. Teixeira and Elsie G. Teixeira, trustees of the S.C. and Elsie Teixeira Living Trust dated August 31, 1983, as to an undivided 95% interest, Norman J. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Allan C. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Marvin C. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Glenn J. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, and Dean M. Teixeira, a married man as his sole and separate property, as to undivided 1% interest

December 21, 2007

Exhibit 2
17 of 36

Legal description(s) from Trial Exhibit 2A page: G331
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082256
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira and Evelyn M. Teixeira, trustees of the Norman and Evelyn Teixeira Living Trust dated February 28, 1984, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G335
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082257
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Allan C. Teixeira and Cecilia T. Teixeira, trustees of the Allan and Cecilia Teixeira Living Trust dated June 17, 1983, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G339
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082258
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Marvin C, Teixeira and Paulette M. Teixeira, trustees of the Marvin and Paulette Teixeira Living Trust dated August 8, 1983, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G343
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082259
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Glenn J. Teixeira and Karen S. Teixeira, trustees of the Glenn and Karen Teixeira Living Trust dated May 19, 1989, an undivided 14% interest

December 21, 2007

Exhibit 2
18 of 36

Legal description(s) from Trial Exhibit 2A page: G347
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082260
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Dean M. Teixeira and Nancy M. Teixeira, trustees of the Dean and Nancy Teixeira Living Trust dated November 24, 1986, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G359
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0039412
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira. Marvin C. Teixeira, Glenn J. Teixeira And Dean M. Teixeira, Co-Trustees Of The Elsie G. Teixeira Children's Trust I dated October 19, 1999

Legal description(s) from Trial Exhibit 2A page: G362
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0039413
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn I Teixeira and Dean M. Teixeira. Co-Trustees of the Elsie G. Teixeira Children's Trust I dated October 19, 1999, as to an undivided 9.73 interest

Legal description(s) from Trial Exhibit 2A page: G365
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0012000
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn J, Teixeira and Dean M. Teixeira, Co-Trustees of the Elsie G. Teixeira Children's Trust I dated October 19, 1999

December 21, 2007

Exhibit 2
19 of 36

Legal description(s) from Trial Exhibit 2A page: G368
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0048046
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira and Evelyn M. Teixeira, As Co-Trustees of the Teixeira Living Trust Dated February 28, 1984

Legal description(s) from Trial Exhibit 2A page: G371
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0048047
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Allan C. Teixeira and Cecilia T. Teixeira, as Co-Trustees of the Teixeira Living Trust Dated June 17, 1983

Legal description(s) from Trial Exhibit 2A page: G374
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0048048
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Marvin C. Teixeira and Paulette M. Teixeira, as Co-Trustees of the Teixeira Living Trust Dated August 8, 1983

Legal description(s) from Trial Exhibit 2A page: G377
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0048049
Associated Trial Exhibit 2A APN(s): 117 160 046
Associated Trial Exhibit 2A Owner(s): Glenn Teixeira and Karen S. Teixeira, as Co-Trustees of the Glenn and Karen S. Teixeira Living Trust Dated February 23, 1993

December 21, 2007

Exhibit 2
20 of 36

Legal description(s) from Trial Exhibit page:
Location on Court Web site:

Page 53
http://www.sccomplex.org/docfiles/cov/mar2006/vol2/G-2_117-160-046_113-050-051partf.pdf

Associated Trial Exhibit 2A Document#:
Associated Trial Exhibit 2A APN(s):
Associated Trial Exhibit 2A Owner(s):

Santa Barbara 1979-58570
117 160 046
Allan C. Teixeira and Cecilia Teixeira, Husband and Wife as Joint Tenants as to an Undivided 1/5 Interest, Norman J. Teixeira and Evelyn M. Teixeira, Husband and Wife as Joint Tenants as to an Undivided 1/5 Interest, Marvin C. Teixeira and Paulette M. Teixeira, Husband and Wipe as Joint Tenants as to an Undivided 1/5 Interest, Dean M. Teixeira and Nancy Teixeira, Husband and Wife as Joint Tenants as to an Undivided 1/5 Interest, and Glenn J. Teixeira, an Unmarried Man as to an Undivided 1/5 Interest"

Legal description(s) from Trial Exhibit 2A page:
Location on Court Web site:

G315
<http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>

Associated Trial Exhibit 2A Document#:
Associated Trial Exhibit 2A APN(s):
Associated Trial Exhibit 2A Owner(s):

Santa Barbara 1993-041063
113 050 051
J.C. Teixeira and Elsie G. Teixeira, trustees of the S.C. and Elsie Teixeira Living Trust dated August 31, 1983, as to an undivided 95% interest, Norman J. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Allan C. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Marvin C. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, Glenn J. Teixeira, a married man as his sole and separate property, as to an undivided 1% interest, and Dean M. Teixeira, a married man as his sole and separate property, as to undivided 1% interest

December 21, 2007

Exhibit 2
21 of 36

Legal description(s) from Trial Exhibit 2A page: G332
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082256
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira and Evelyn M. Teixeira, trustees of the Norman and Evelyn Teixeira Living Trust dated February 28, 1984, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G336
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082257
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Allan C. Teixeira and Cecilia T. Teixeira, trustees of the Allan and Cecilia Teixeira Living Trust dated June 17, 1983, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G340
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082258
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Marvin C, Teixeira and Paulette M. Teixeira, trustees of the Marvin and Paulette Teixeira Living Trust dated August 8, 1983, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G344
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082259
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Glenn J. Teixeira and Karen S. Teixeira, trustees of the Glenn and Karen Teixeira Living Trust dated May 19, 1989, an undivided 14% interest

December 21, 2007

Exhibit 2
22 of 36

Legal description(s) from Trial Exhibit 2A page: G348
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G312-348.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1994-082260
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Dean M. Teixeira and Nancy M. Teixeira, trustees of the Dean and Nancy Teixeira Living Trust dated November 24, 1986, an undivided 14% interest

Legal description(s) from Trial Exhibit 2A page: G358
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0039412
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn J. Teixeira and Dean M. Teixeira, Co-Trustees of the Elsie G. Teixeira Children's Trust I dated October 19, 1999

Legal description(s) from Trial Exhibit 2A page: G361
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2000-0039413
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn I Teixeira and Dean M. Teixeira, Co-Trustees Of The Elsie G. Teixeira Children's Trust I dated October 19, 1999, as to an undivided 9.73 interest

Legal description(s) from Trial Exhibit 2A page: G364
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0012000
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C. Teixeira, Marvin C. Teixeira, Glenn J, Teixeira and Dean M. Teixeira, Co-Trustees of the Elsie G. Teixeira Children's Trust I dated October 19, 1999

December 21, 2007

Exhibit 2
23 of 36

Legal description(s) from Trial Exhibit 2A page: G368
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0048046
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira and Evelyn M. Teixeira, as Co-Trustees of the Teixeira Living Trust Dated February 28, 1984

Legal description(s) from Trial Exhibit 2A page: G371
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0048047
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Allan C. Teixeira and Cecilia T. Teixeira, as Co-Trustees of the Teixeira Living Trust Dated June 17, 1983

Legal description(s) from Trial Exhibit 2A page: G374
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0048048
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Marvin C. Teixeira and Paulette M. Teixeira, as Co-Trustees of the Teixeira Living Trust Dated August 8, 1983

Legal description(s) from Trial Exhibit 2A page: G377
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder4/G349-381.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0048049
Associated Trial Exhibit 2A APN(s): 113 050 051
Associated Trial Exhibit 2A Owner(s): Glenn Teixeira and Karen S. Teixeira, as Co-Trustees of the Glenn and Karen S. Teixeira Living Trust Dated February 23, 1993

December 21, 2007

Exhibit 2
24 of 36

Legal description(s) from Trial Exhibit page:
Location on Court Web site:

Page 53
http://www.sccomplex.org/docfiles/cov/mar2006/vol2/G-2_117-160-046_113-050-051partf.pdf

Associated Trial Exhibit 2A Document#:
Associated Trial Exhibit 2A APN(s):
Associated Trial Exhibit 2A Owner(s):

Santa Barbara 1979-58570
113 050 051
Allan C. Teixeira and Cecilia Teixeira, Husband and Wife As Joint Tenants as to an Undivided 1/5 Interest, Norman J. Teixeira and Evelyn M. Teixeira, Husband and Wife As Joint Tenants as to an Undivided 1/5 Interest, Marvin C. Teixeira and Paulette M. Teixeira, Husband and Wipe as Joint Tenants as to an Undivided 1/5 Interest, Dean M. Teixeira and Nancy Teixeira, Husband and Wife as Joint Tenants as to an Undivided 1/5 Interest, and Glenn J. Teixeira, An Unmarried Man as to an Undivided 1/5 Interest"

Legal description(s) from Trial Exhibit 2A page:
Location on Court Web site:

G389-G391
<http://www.sccomplex.org/docfiles/johnston/060221/folder5/G382-411.pdf>

Associated Trial Exhibit 2A Document#:
Associated Trial Exhibit 2A APN(s):
Associated Trial Exhibit 2A Owner(s):

Santa Barbara 2002-0027379
128 097 003, 128 097 004, 128 097 005, 128 097 006, 128 097 007
Glenn and Karen S. Teixeira, Co-Trustees of the Glenn and Karen S. Teixeira Living Trust Dated February 23, 1993, as amended and restated

Legal description(s) from Trial Exhibit 2A page:
Location on Court Web site:

G394-G396
<http://www.sccomplex.org/docfiles/johnston/060221/folder5/G382-411.pdf>

Associated Trial Exhibit 2A Document#:
Associated Trial Exhibit 2A APN(s):
Associated Trial Exhibit 2A Owner(s):

Santa Barbara 2002-0027377
128 097 003, 128 097 004, 128 097 005, 128 097 006, 128 097 007
Allan C. Teixeira and Cecilia T. Teixeira as Co-Trustees of the Allan C. and Cecilia T. Teixeira Living Trust Dated June 17, 1983

December 21, 2007

Exhibit 2
25 of 36

Legal description(s) from Trial Exhibit 2A page: G399-G401
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G382-411.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0027381
Associated Trial Exhibit 2A APN(s): 128 097 003, 128 097 004, 128 097 005, 128 097 006, 128 097 007
Associated Trial Exhibit 2A Owner(s): Marvin C. Teixeira and Paulette M. Teixeira as Co-Trustees of the Marvin C. and Paulette M. Teixeira Living Trust Dated August 8, 1983

Legal description(s) from Trial Exhibit 2A page: G404-G406
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G382-411.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0027382
Associated Trial Exhibit 2A APN(s): 128 097 003, 128 097 004, 128 097 005, 128 097 006, 128 097 007
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira and Evelyn M. Teixeira as Co-Trustees of the Norman J. and Evelyn M. Teixeira Living Trust Dated February 28, 1984

Legal description(s) from Trial Exhibit 2A page: G409-G411
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G382-411.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2002-0027385
Associated Trial Exhibit 2A APN(s): 128 097 003, 128 097 004, 128 097 005, 128 097 006, 128 097 007
Associated Trial Exhibit 2A Owner(s): Dean M. Teixeira, Trustee of the Dean M. and Nancy M. Teixeira Living Trust Dated November 24, 1986

Legal description(s) from Trial Exhibit 2B page: G413
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G412-422.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1995-043849
Associated Trial Exhibit 2A APN(s): 091 101 009
Associated Trial Exhibit 2A Owner(s): Ball Horticulture Company, an Illinois corporation

Legal description(s) from Trial Exhibit 2B page: G415
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G412-422.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1992-066606
Associated Trial Exhibit 2A APN(s): 091 101 011
Associated Trial Exhibit 2A Owner(s): Ball Tagawa Growers, a Partnership

December 21, 2007

Legal description(s) from Trial Exhibit 2B page: G425
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G423-431.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2002-106523
Associated Trial Exhibit 2A APN(s): 091 181 019
Associated Trial Exhibit 2A Owner(s): Rene T. Van Wingerden and June B. Van Wingerden, Trustees U/D/T dated November 28, 1995 F/B/O the R & J Van Wingerden Family Trust

Legal description(s) from Trial Exhibit 2B page: G428
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G423-431.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2000-057848
Associated Trial Exhibit 2A APN(s): 091 181 045, 091 181 046
Associated Trial Exhibit 2A Owner(s): Rene T. Van Wingerden and June B. Van Wingerden, Trustees U/D/T dated November 28, 1995 F/B/O the R & J Van Wingerden Family Trust

Legal description(s) from Trial Exhibit 2B page: G436
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G432-452.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2000-014397
Associated Trial Exhibit 2A APN(s): 091 211 012, 091 211 019
Associated Trial Exhibit 2A Owner(s): Dobbe Enterprises, a California Limited Partnership

Legal description(s) from Trial Exhibit 2B page: G439
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G432-452.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1987-24675
Associated Trial Exhibit 2A APN(s): 091 201 068
Associated Trial Exhibit 2A Owner(s): Dobbe Enterprises, a California Limited Partnership

Legal description(s) from Trial Exhibit 2B page: G447
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder5/G432-452.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1987-24666
Associated Trial Exhibit 2A APN(s): 091 192 028
Associated Trial Exhibit 2A Owner(s): Dobbe Enterprises, a California Limited Partnership

December 21, 2007

Legal description(s) from Trial Exhibit 2B page:	G448
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder5/G432-452.pdf
Associated Trial Exhibit 2A Document#:	San Luis Obispo 1987-24674
Associated Trial Exhibit 2A APN(s):	091 192 020
Associated Trial Exhibit 2A Owner(s):	Dobbe Enterprises, a California Limited Partnership
Legal description(s) from Trial Exhibit 2B page:	G454
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder5/G453-459.pdf
Associated Trial Exhibit 2A Document#:	San Luis Obispo 1999-069894
Associated Trial Exhibit 2A APN(s):	091 283 042, 091 283 042, 092 142 009
Associated Trial Exhibit 2A Owner(s):	Holger Andersen and Leatrice P. Andersen, as Trustees of the Holger and Leatrice Andersen Revocable Trust dated September 28, 1999
Legal description(s) from Trial Exhibit 2B page:	G461
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder6/G460-462.pdf
Associated Trial Exhibit 2A Document#:	San Luis Obispo 2004-055383
Associated Trial Exhibit 2A APN(s):	091 283 028
Associated Trial Exhibit 2A Owner(s):	Robin J. Shroyer and Benjamin L. Trogdon, trustees of the Robin J. Shroyer and Benjamin L. Trogdon Living Trust
Legal description(s) from Trial Exhibit 2B page:	G466
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder6/G463-466.pdf
Associated Trial Exhibit 2A Document#:	San Luis Obispo 1998-028950
Associated Trial Exhibit 2A APN(s):	091 283 031
Associated Trial Exhibit 2A Owner(s):	Robert Nicholson, a single man

December 21, 2007

Legal description(s) from Trial Exhibit 2B page: G467
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G467-469.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1998-019416
Associated Trial Exhibit 2A APN(s): 091 281 068
Associated Trial Exhibit 2A Owner(s): Jeffrey E. Corey as Trustee and his Successors as Trustees, of the Jeffrey E. Corey Revocable Trust, a Trust Agreement dated March 16, 1998

Legal description(s) from Trial Exhibit 2B page: G471
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G470-475.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2003-028291
Associated Trial Exhibit 2A APN(s): 091 281 077
Associated Trial Exhibit 2A Owner(s): Jafroodi Properties, L.P., a California Limited Partnership

Legal description(s) from Trial Exhibit 2B page: G474
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G470-475.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2003-028290
Associated Trial Exhibit 2A APN(s): 091 281 071
Associated Trial Exhibit 2A Owner(s): Jafroodi Properties, L.P., a California Limited Partnership

Legal description(s) from Trial Exhibit 2B page: G477
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G476-479.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1992-073777
Associated Trial Exhibit 2A APN(s): 091 301 042
Associated Trial Exhibit 2A Owner(s): Howard Freeman Mehlschau and Donna Gene Mehlschau, Trustees U/D/T dated June 26, 1992 F/B/O the Mehlschau Family Trust

Legal description(s) from Trial Exhibit 2B page: G482-G483
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G480-489.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2003-132925
Associated Trial Exhibit 2A APN(s): 092 021 005, 092 021 009
Associated Trial Exhibit 2A Owner(s): Frank Leigh Church Trustee of the Barbara B. Church Revocable Trust under the Declaration of Trust dated January 30, 1998

December 21, 2007

Exhibit 2
29 of 36

Legal description(s) from Trial Exhibit 2B page: G490
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G490-493.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2000-059066
Associated Trial Exhibit 2A APN(s): 092 021 034
Associated Trial Exhibit 2A Owner(s): Henry J. Macagni and Shirley M. Macagni, Trustees of the Macagni Trust dated October 5, 2000

Legal description(s) from Trial Exhibit 2B page: G491
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G490-493.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2000-023902
Associated Trial Exhibit 2A APN(s): 092 021 034
Associated Trial Exhibit 2A Owner(s): Gary Macagni, Trustee of the Macagni Trust dated March 23, 2000

Legal description(s) from Trial Exhibit 2B page: G494
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G494-497.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1976-38840
Associated Trial Exhibit 2A APN(s): 091 311 019
Associated Trial Exhibit 2A Owner(s): Koch California Ltd, a California Corporation

Legal description(s) from Trial Exhibit 2B page: G498
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G498-501.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1979-34804
Associated Trial Exhibit 2A APN(s): 092 021 039
Associated Trial Exhibit 2A Owner(s): J.J.C. of Santa Maria, Inc., a California corporation

Legal description(s) from Trial Exhibit 2B page: G504
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G502-507.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2000-028833
Associated Trial Exhibit 2A APN(s): 092 031 020, 092 031 021
Associated Trial Exhibit 2A Owner(s): Freitas Farms, LLC, a California Limited liability company

December 21, 2007

Legal description(s) from Trial Exhibit 2B page: G509
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder6/G508-513.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1999-052301
Associated Trial Exhibit 2A APN(s): 092 061 006, 092 211 001
Associated Trial Exhibit 2A Owner(s): Daniel E. Silva and Socorro M. Silva, husband and wife, as joint tenants

Legal description(s) from Trial Exhibit 2B page: G516
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder7/G514-521.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2004-0022466
Associated Trial Exhibit 2A APN(s): 101 010 008
Associated Trial Exhibit 2A Owner(s): William E. Jones and Sharon E. Jones, husband and wife, as Joint Tenants, as to an undivided forty-four percent (44%); and Robert Wayne Jones, an unmarried man, as to an undivided fifty-six percent (56%) interest, as Tenant in Common

Legal description(s) from Trial Exhibit 2B page: G523
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder7/G522-525.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 2003-0155760
Associated Trial Exhibit 2A APN(s): 129 090 013, 129 090 016, 129 090 017
Associated Trial Exhibit 2A Owner(s): Plantel Nurseries, Inc., A California Corporation

Legal description(s) from Trial Exhibit 2B page: G527
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder7/G526-530.pdf>
Associated Trial Exhibit 2A Document#: Santa Barbara 1991-003946
Associated Trial Exhibit 2A APN(s): 113 120 007, 113 120 009
Associated Trial Exhibit 2A Owner(s): Thomas G. Adam, a married man, as to an undivided 50% interest.

December 21, 2007

Legal description(s) from Trial Exhibit 2B page:	G532-G534
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder7/G531-536.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 2000-0032016
Associated Trial Exhibit 2A APN(s):	129 151 036
Associated Trial Exhibit 2A Owner(s):	Gary Teixeira and Wendy Teixeira, Husband and Wife, as Joint Tenants
Legal description(s) from Trial Exhibit 2B page:	G540
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder7/G537-544.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 1990-076920
Associated Trial Exhibit 2A APN(s):	113 080 019, 113 100 012, 113 100 027
Associated Trial Exhibit 2A Owner(s):	Arthur R. Tognazzini Family Farms, a California Limited Partnership
Legal description(s) from Trial Exhibit 2B page:	G545-G548
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder7/G545-551.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 1984-044366
Associated Trial Exhibit 2A APN(s):	Santa Barbara 113 030 002, San Luis Obispo 092 004 007
Associated Trial Exhibit 2A Owner(s):	Central Pacific, a General Partnership
Legal description(s) from Trial Exhibit 2B page:	G554
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder7/G552-564.pdf
Associated Trial Exhibit 2A Document#:	Santa Barbara 1997-009167
Associated Trial Exhibit 2A APN(s):	113 100 025
Associated Trial Exhibit 2A Owner(s):	Teixeira Brothers Land Partnership, a California General Partnership
Legal description(s) from Trial Exhibit 2B page:	G566
Location on Court Web site:	http://www.sccomplex.org/docfiles/johnston/060221/folder7/G565-569.pdf
Associated Trial Exhibit 2A Document#:	San Luis Obispo 2002-040482
Associated Trial Exhibit 2A APN(s):	090 041 032
Associated Trial Exhibit 2A Owner(s):	Glenn Teixeira Co-Trustee of the Glenn and Karen S. Teixeira Living Trust dated February 23, 1993

December 21, 2007

Legal description(s) from Trial Exhibit 2B page: G571
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder8/G570-577.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2003-090197
Associated Trial Exhibit 2A APN(s): 091 281 074
Associated Trial Exhibit 2A Owner(s): Andreas Koch, Trustee of Trust A ó The Survivor's Trust created by the Koch Family Trust under the Declaration and Trust Agreement dated March 9, 1988

Legal description(s) from Trial Exhibit 2B page: G573
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder8/G570-577.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2003-090198
Associated Trial Exhibit 2A APN(s): 091 281 031, 091 281 075
Associated Trial Exhibit 2A Owner(s): Andreas Koch, Trustee of Trust A ó The Survivor's Trust created by the Koch Family Trust under the Declaration and Trust Agreement dated March 9, 1988, as to an undivided 50% interest, and Andreas Koch, Trustee of the Trust B ó The residual Trust created by the Koch Family Trust under the Declaration and Trust Agreement dated March 9, 1988, as to an undivided 50% interest

Legal description(s) from Trial Exhibit 2B page: G584
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder8/G582-588.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2002-045132
Associated Trial Exhibit 2A APN(s): 092 011 009, 092 021 004
Associated Trial Exhibit 2A Owner(s): Teixeira Investments, LP, a California limited Partnership

Legal description(s) from Trial Exhibit 2B page: G589-G591
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder8/G587-614.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1995-055839
Associated Trial Exhibit 2A APN(s): 092 011 019, 092 011 020, 092 021 020, 092 021 025, 092 021 026, 092 021 040, 092 021 043, 092 021 044, 092 021 047, 092 021 048
Associated Trial Exhibit 2A Owner(s): Teixeira Brother Land Partnership, a California General Partnership

December 21, 2007

Exhibit 2
33 of 36

Legal description(s) from Trial Exhibit 2B page: G593
 Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder8/G587-614.pdf>
 Associated Trial Exhibit 2A Document#: San Luis Obispo 1995-055839
 Associated Trial Exhibit 2A APN(s): 092 021 023, 092 021 027, 092 021 028, 092 021 038, 092 391 019, 092 401 007, 092 401 008
 Associated Trial Exhibit 2A Owner(s): Teixeira Brother Land Partnership, a California General Partnership

Legal description(s) from Trial Exhibit 2B page: G596.1
 Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder8/G587-614.pdf>
 Associated Trial Exhibit 2A Document#: San Luis Obispo 1980-20626
 Associated Trial Exhibit 2A APN(s): 092 021 033
 Associated Trial Exhibit 2A Owner(s): Teixeira Brother Land Partnership, a California General Partnership

Legal description(s) from Trial Exhibit 2B page: G616
 Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G615-629.pdf>
 Associated Trial Exhibit 2A Document#: San Luis Obispo 1993-012580
 Associated Trial Exhibit 2A APN(s): 092 191 002
 Associated Trial Exhibit 2A Owner(s): Myrna Novo Leclair, a married woman, as her sole and separate property

Legal description(s) from Trial Exhibit 2B page: G621
 Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G615-629.pdf>
 Associated Trial Exhibit 2A Document#: San Luis Obispo 1993-012580
 Associated Trial Exhibit 2A APN(s): 092 191 002
 Associated Trial Exhibit 2A Owner(s): Ethel Novo, a married woman, as her sole and separate property

Legal description(s) from Trial Exhibit 2B page: G635
 Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G630-640.pdf>
 Associated Trial Exhibit 2A Document#: San Luis Obispo 2001-100238
 Associated Trial Exhibit 2A APN(s): 092 191 003
 Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira, Allan C Teixeira, Marvin C. Teixeira, Glenn J. Teixeira and Dean M. Teixeira, Co-Trustees of the Elsie G. Teixeira Children's Trust I Dated October 19, 1999

December 21, 2007

Legal description(s) from Trial Exhibit 2B page: G642
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G641-644.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1992-073778
Associated Trial Exhibit 2A APN(s): 090 331 004
Associated Trial Exhibit 2A Owner(s): Howard Freeman Mehlschau and Donna Gene Mehlschau, Trustees U/D/T dated June 26, 1992 F/B/O the Mehlschau Family Trust

Legal description(s) from Trial Exhibit 2B page: G647
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G645-661.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2002-0027380
Associated Trial Exhibit 2A APN(s): 113 050 014
Associated Trial Exhibit 2A Owner(s): Marvin C. Teixeira and Paulette M. Teixeira as Co-Trustees of the Marvin C. And Paulette M. Teixeira Living Trust Dated August 8, 1983

Legal description(s) from Trial Exhibit 2B page: G650
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G645-661.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2002-0027378
Associated Trial Exhibit 2A APN(s): 113 050 014
Associated Trial Exhibit 2A Owner(s): Glenn and Karen S. Teixeira. Co-Trustees of the Glenn and Karen S. Teixeira Living Trust Dated February 23, 1993

Legal description(s) from Trial Exhibit 2B page: G653
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G645-661.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2002-0027383
Associated Trial Exhibit 2A APN(s): 113 050 014
Associated Trial Exhibit 2A Owner(s): Norman J. Teixeira and Evelyn M. Teixeira as Co-Trustees of the Norman J. and Evelyn M. Teixeira Living Trust Dated February 28, 1984

December 21, 2007

Exhibit 2
35 of 36

Legal description(s) from Trial Exhibit 2B page: G656
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G645-661.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2002-0027384
Associated Trial Exhibit 2A APN(s): 113 050 014
Associated Trial Exhibit 2A Owner(s): Allan C. Teixeira and Cecilia T. Teixeira as Co-Trustees of the Allan C. and Cecilia T. Teixeira Living Trust Dated June 17, 1983

Legal description(s) from Trial Exhibit 2B page: G659
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G645-661.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 2002-0027386
Associated Trial Exhibit 2A APN(s): 113 050 014
Associated Trial Exhibit 2A Owner(s): Dean M. Teixeira, Trustee of the Dean. M. and Nancy M. Teixeira Living Trust Dated November 24, 1986

Legal description(s) from Trial Exhibit 2B page: G662
Location on Court Web site: <http://www.sccomplex.org/docfiles/johnston/060221/folder9/G661-667.pdf>
Associated Trial Exhibit 2A Document#: San Luis Obispo 1986-84683
Associated Trial Exhibit 2A APN(s): 092 011 017, 092 011 018
Associated Trial Exhibit 2A Owner(s): Teixeira Brother Land Partnership, a California General Partnership

December 21, 2007

Exhibit 2
36 of 36

Exhibit 3

Defaulting Parties

Note: Exhibit 3 lists those parties against whom default judgment is entered pursuant to section 585 of the Code of Civil Procedure, and also those parties against whom judgment is entered pursuant to Code of Civil Procedure section 594. (Notice of Phase V Trial and Pre-Trial Order, Mar. 21, 2006.)

Defaulting Parties (Code of Civil Procedure § 585)

Party Name	Named/ Served	Appeared
Ainscough, Arthur	X	
Alcantar, Fabian	X	
Alcantar, Lourdes	X	
Alcantar, Martha	X	
Alcantar, Pedro ¹	X	
Allan-Santos Family Trust ²	X	
Allen Hancock Jr. College District	X	
Ames, Dorothy	X	
Ames, Paul W.	X	
Anderson, David C.	X	

¹ This party has been dismissed by Nipomo Community Services District (NCSD).

² This party has been dismissed by Southern California Water Company (now Golden State Water Company) (GSWC), Rural Water Company (RWC), and the City of Santa Maria.

December 21, 2007

Exhibit 3
Page 1 of 19

Party Name	Named/ Served	Appeared
Andres, Beverly A., Trust	X	
Asmussen, Fred	X	
Asmussen, Judy	X	
Bantz, John E.	X	
Bauer, Harry J.	X	
Bauer, Helen L.	X	
Bautista, Javier ³	X	
Bautista, Teresa	X	
Blanco, Henry	X	
Borg, Roger E., Trustee	X	
Bozenich Partnership	X	
Bozenich, Gary N., Tre	X	
Brown, Alfred L.	X	
Brown, Elaine S.	X	
Brown, Pauline J.	X	
Cagliero Trust	X	
Calderon, Juan Carlos	X	
Calderon, Rosalina	X	
Capanna, Anthony	X	
Carriage Homes	X	
Casmalia Community Services District	X	
Castellanos, Andrew, Trustee of the Castellanos Family Trust	X	

³ This party has been dismissed by NCSD and the City of Santa Maria.

December 21, 2007

Party Name	Named/ Served	Appeared
Castellanos, Andrew	X	
Castellanos, Ophela	X	
Castellanos, Ophelia, Trustee	X	
Castellanos Partnership	X	
Castillo, Raymond, Trustee	X	
Ceglia, Philip	X	
Cervantes, Antonio	X	
Cervantes, Engracia	X	
Chaloupka, Hilda M.	X	
Chaloupka, Howard O.	X	
Chan, Ting-Fung	X	
Charles A. Pratt Construction Co., Inc.	X	
Christenson, Brian	X	
Christenson, Lisa	X	
Ciavarelli, Marlene	X	
Ciavarelli, Richard	X	
Clement, Rebecca	X	
Colandrea, A.J.	X	
Cole, Joan ⁴	X	
Cole, Richard R.	X	
Cooper, Charles R.	X	
Cooper, Charles R., Trustee	X	

⁴ This party has been dismissed by NCSD, GSWC, and RWC.

December 21, 2007

Party Name	Named/ Served	Appeared
Corbellini, Ida	X	
Corporate International Investors	X	
Coudriet, Joanne	X	
Crandall, Teresa Ann	X	
Crandall, Todd	X	
Cutler, Edward H.	X	
Cutler, Rosalee	X	
Cutler, Jack E.	X	
Cutler, Sherrie L.	X	
Dana, Leonard E., Trustee	X	
Diaz, Arelia C.	X	
Diaz, Jose C.	X	
Elkhorn Homeowners Association	X	
Elliott, Susan J.	X	
Ellis, James	X	
Ellis, Roberta	X	
Ervin, Barbara ⁵	X	
Farao, Diane P.	X	
Farao, Manuel B.	X	
Fernandez, Alicia M.	X	
Ferrara, Deborah	X	
Ferrara, James	X	
Fort, Nettie, Trustee	X	

⁵ This party has been dismissed by NCSD, GSWC, and RWC.

December 21, 2007

Party Name	Named/ Served	Appeared
Fox, Carla	X	
G N Investments, LLC	X	
G N Properties, LLC	X	
Gamboa, Desiderio	X	
Gamboa, Eduardo	X	
Gamboa, Jeff	X	
Gamboa, Steven	X	
Garibay, Efren	X	
Garibay, Evelia	X	
Garson-moynagh, Roberta L.	X	
Gin, Melvin M.	X	
Glanville, Gordon B.	X	
Glenn, Janet A.	X	
Gonzales, Felipe, Trustee	X	
Gordon Sand Company	X	
,Garcia, Alfred E.	X	
Gresser, Jack C.	X	
Guevara, Luis	X	
Gutierrez, Peter	X	
Gutierrez, Rosa	X	
Haddox, Hazel E.	X	
Haddox, Hazel E., Trustee	X	
Hampton, Richard E., Trust	X	
Hampton, Terry, Trustee	X	

December 21, 2007

Exhibit 3
Page 5 of 19

Party Name	Named/ Served	Appeared
Hartman, Ervin, Trust	X	
Harvey, Jill	X	
Hawkins, Bonnie J.	X	
Hawkins, Roger V.	X	
Hearn, Hardy	X	
Hearn, Judith	X	
Heath, Barbara	X	
Heath, Joel H.	X	
Heath, Margaret	X	
Heath, Paul	X	
Henderson, Edward E.	X	
Henderson, Mary F.	X	
Hetrick Water Company	X	
Holder, Donald K.	X	
Holder, Kristin K.	X	
Ikola, Roger A.	X	
Ingle, Ann V.	X	
Ingle, Ted C.	X	
Iniguez, Jose M.	X	
Iniguez, Rosalba D.	X	
International Church of Foursquare Gospel	X	
Investors of America	X	
Jensen Family Trust	X	
Jones, Ralph L. and Edla J., Trust	X	

December 21, 2007

Exhibit 3
Page 6 of 19

Party Name	Named/ Served	Appeared
Kim, Dong	X	
Kim, Jook S.	X	
Kirk, David M. ⁶	X	
Kirk, David M. and Lorna, Trust ⁷	X	
Kirk, Lorna ⁸	X	
Knight, Julie L.	X	
Knight, Robert L.	X	
Kolikant, Penina	X	
Koski, Constance	X	
Koski, Daniel	X	
Kraus, Janet	X	
Kundaria, B. D. ⁹	X	
Lane, Cheryl A.	X	
Lane, Larry L.	X	
Lan-Vested Securities Company	X	
Lem, Hoy ¹⁰	X	
Lem, Hoy, Trustee ¹¹	X	
Lewis, Gregory Dean	X	
Life Steps Foundation, Inc.	X	

⁶ This party has been dismissed by the City of Santa Maria.

⁷ This party has been dismissed by the City of Santa Maria.

⁸ This party has been dismissed by the City of Santa Maria.

⁹ This party has been dismissed by the City of Santa Maria.

¹⁰ This party has been dismissed by NCSA.

¹¹ This party has been dismissed by GSWC, RWC, and the City of Santa Maria.

December 21, 2007

Exhibit 3
Page 7 of 19

Party Name	Named/ Served	Appeared
Lopez, David G.	X	
Lopez, Loni J.	X	
Lovett, Taka	X	
Los Rubios Ranch	X	
Luh Family Trust	X	
Machamer, F. George	X	
Maldonado, Arnulfo	X	
Maldonado, Margarita Q.	X	
Mancinello, Bruno	X	
Marshall, Robert	X	
McGovran, April D.	X	
McGovran, Dwayne	X	
Miller, Marcia K.	X	
Miller, William E.	X	
Mitchell, Harriett	X	
Mitchell, Ralph	X	
McGovran, April	X	
Morrison, M.J.	X	
Munzer, William J., Trustee	X	
Murphy, Sharon L.	X	
Murphy, Steven A.	X	
Musalo, Barbara	X	
Musalo, Ralph	X	
Nipomo Group, A California General Partnership	X	

December 21, 2007

Exhibit 3
Page 8 of 19

Party Name	Named/ Served	Appeared
Nolan, Beaman	X	
Oakridge Park Estates	X	
Okeefe, Mary	X	
Omberg, Edward R.	X	
Omberg, Sharon R.	X	
Ortega, Diane L.	X	
Ortega, Natalie M.	X	
Ortega, Richard J.	X	
Ortiz, Cathie C.	X	
Payne, Leslie	X	
Payne, Mark	X	
Petersen, Dorothy	X	
Phelan Land Co.	X	
Phelan, Colleen J., Trustee	X	
Pismo Beach Mobile Home Park, Inc.	X	
Pond, Eddie	X	
Pond, Jeanne ¹²	X	
Power of God Christian Center	X	
Ramey, Genine A.	X	
Ramey, Jesse A.	X	
Rancho Guadalupe, LLC	X	
Rees, Thomas Jr.	X	
Reeser, Robert ¹³	X	

¹² This party has been dismissed by the City of Santa Maria.

December 21, 2007

Party Name	Named/ Served	Appeared
Ricker, Alice J. ¹⁴	X	
Ricker, John J. ¹⁵	X	
Robinson, James	X	
Rodriguez, Guadalupe	X	
Rodriguez, Jesus	X	
Ross, Michael, Trust	X	
Rubio, Amador	X	
Salazar, June	X	
Santa Maria Cemetery District	X	
Santa Maria Solid Waste District ¹⁶	X	
Santa Maria Enterprises, Inc.	X	
Santa Maria Valley Cooling Co.	X	
Sawyer, Willis B., Trust	X	
SCPI	X	
Severn, Cheryl L.	X	
Severn, Raymond S.	X	
Simonini, Fran	X	
Simonini, Rick	X	
Skaggs, Wesley	X	
Solid Rock Group LLC	X	
Sorensen, Phyllis A., Trust (Phyllis A. Sorensen, Trustee)	X	

¹³ This party has been dismissed by the City of Santa Maria.

¹⁴ This party has been dismissed by the City of Santa Maria.

¹⁵ This party has been dismissed by the City of Santa Maria.

¹⁶ This party has been dismissed by the City of Santa Maria.

December 21, 2007

Party Name	Named/ Served	Appeared
South County Sanitary District	X	
State of California Grandmothers Club	X	
Tang, Hsin	X	
Tanner, Jaqueline C., Trust	X	
Tanner, Jacqueline	X	
Taylor, Philip A.	X	
Tognazzini, Dora	X	
Tognazzini, Teri J., Trust	X	
Tract 458	X	
Universal Life Church, Inc.	X	
Vanderlei, Phillip M.	X	
Vanderlei, Tara	X	
Vaughn, Robert	X	
Veal, Thomas ¹⁷	X	
Velasquez, Gloria	X	
Vista de las Flores Water	X	
Volentine, James M.	X	
Vore, Marion J., Family Trust	X	
Warren, James	X	
Weber, Josephine	X	
Weber, Virginia, Trust	X	
West, Frederic	X	
West, Marilyn	X	

¹⁷ This party has been dismissed by GSWC, RWC, and the City of Santa Maria.

December 21, 2007

Party Name	Named/ Served	Appeared
Williams, Robert E.	X	
Yokoyama, Jane	X	
Ziemba, Lisa ¹⁸	X	

¹⁸ This party has been dismissed by the City of Santa Maria and NCSD.

December 21, 2007

Absent Adversary Parties
(Code of Civil Procedure § 594)

Party Name	Named/ Served	Appeared
Agro Industries Corp. (incorrectly named as "Argo Industries Corp.")	X	X
Andrew Norman Foundation, a California charitable trust (incorrectly named as "Andrew Norman Foundation, a corporation")	X	X
Anthony, Florence	X	X
Apio Land Company	X	X
Appel, Clinton	X	X
Appel, Roberta R.	X	X
Arbor Ridge, Inc.	X	X
Arroyo Grande Bay View Estates Homeowners Assn., Inc.	X	X
Bailey, Verna, Trustee	X	X
Bank of America Corporation (incorrectly named as "Bank of America (Trust Real Estate Ops #3)", "Bank of America," and "Bank of America Nt & Sa")	X	X
Bank of America, as Trustee (formerly known as Security Pacific National Bank, as Trustee) (incorrectly named as "Security Pacific National Bank")	X	X
Bantz, Loretta K.	X	X
Bantz, Loretta, Trustee	X	X
Bejo Seeds, Inc.	X	X
Biely, William	X	X
Black Lake Ranch Homeowners Association	X	X
Blum, John E., Trustee	X	X
Born, Eleanor	X	X
Cagliero Trust	X	X

December 21, 2007

Exhibit 3
Page 13 of 19

Party Name	Named/ Served	Appeared
Cal-Cobblestone Creek, LLC (incorrectly named as "Cal & Cobblestone Creek, a corporation")	X	X
Campisi, Elizabeth, Trust	X	X
Canada, Earl ¹⁹	X	X
Castillo, Raymond, Trustee	X	X
Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day Saints, a Utah corporation (incorrectly named as "Church of Jesus Christ of Latter Day Saints")	X	X
Cienaga Seabreeze Park, Inc.	X	X
Clay Properties, LLC	X	X
Collins, Carmen, Trustee (incorrectly named as "Carmen Collins")	X	X
Collins, James E., Trustee (incorrectly named as "James E. Collins")	X	X
Coudriet, Donald A.	X	X
Cuzick, Brenda V.	X	X
Cuzick, W. Ray	X	X
DeLaRosa, Adeline (incorrectly named as "Adeline Delarosa")	X	X
DeLaRosa, Louis (incorrectly named as "Lous Delarosa")	X	X
Delmartini, Nadine Julia	X	X
Dewsnup, Jeannine	X	X
Dewsnup, Wynn	X	X
Diaz, Jaime	X	X
Diaz, Olga	X	X
Fairbrother, Russell (erroneously named as "Russel Fairbrother")	X	X
Fernald, Bonnie	X	X
Fernald, Fred	X	X

¹⁹ This party has been dismissed by the City of Santa Maria.

December 21, 2007

Party Name	Named/ Served	Appeared
Ferrari, Alison E.	X	X
Ferrari, Ted J.	X	X
Fields, Jack McKay	X	X
Filipe Ranch, A California Limited Partnership	X	X
First Baptist Church of Santa Maria	X	X
Fort, Nettie U. ²⁰	X	X
Frampton, Marion Family Trust (incorrectly named as Marion H. Frampton Trustö)	X	X
Furukawa, Leslie K.	X	X
Gackle, MaryAnne (incorrectly named as öMary A. Gackle Trustö)	X	X
Gagliardini, Carolyn L., Trustee	X	X
Gannon, Darrel E.	X	X
Garcia, Francisco	X	X
Garcia, Maria	X	X
Gibson, Joni R.	X	X
Gibson, Oliver E. Jr.	X	X
Glad-A-Way Gardens, Inc. (incorrectly named as öGlad & A & Way Gardens Inc., a corporationö)	X	X
Grabeel, Elizabeth	X	X
Grabeel, Elizabeth, Trustee ²¹	X	X
Gragnani, Don & Thelma Irene Trust	X	X
Guadalupe Land Company	X	X
Guadalupe Union School District	X	X
Haanpaa, Olavi	X	X

²⁰ This party has been dismissed by NCSD, GSWC and RWC.

²¹ This party has been dismissed by NCSD.

December 21, 2007

Exhibit 3
Page 15 of 19

Party Name	Named/ Served	Appeared
Hart, Leonard, Trustee	X	X
Heinsohn, Frank P., Trustee	X	X
Hernandez, Cornelia	X	X
Hernandez, Richard S.	X	X
Hi Thompson, Inc. (incorrectly named as "Hi Thompson Investments, Inc., a CA Corp.")	X	X
Houghton, Vernon, Trustee	X	X
Jackson, Emory	X	X
Jackson, Sarah	X	X
Kanawyer, Gary	X	X
Kendall Jackson Wine Estates (incorrectly named as "Kendall & Jackson Winery Ltd., a corporation" and "Jackson Family Estates I, LLC, a partnership")	X	X
Kendall, Robert, Co-Trustee for Parcel Number 133-200-001 [Cappel et al.] (incorrectly named as "Patricia Cappel, Trustee," "Patricia Cappel," and "Patricia Cappel Trust")	X	X
Krouse, Stephanie (incorrectly named as Stephanie Krouse Irrevocable Trust)	X	X
Lamphier, Donna	X	X
Lamphier, Jerry	X	X
Lazelle, Willis W.	X	X
Lovett, John	X	X
M. Chavez & Son Farming, Inc. (incorrectly named as M. Chavez & Son Farming Inc., a corporation)	X	X
M.V.S., Inc.	X	X
Major, Arthur F.	X	X
Major, Evelyn K.	X	X
McCadden Development, LLC	X	X
McDonald, Merrlyn (incorrectly named as "Merrlyn W. McDonald")	X	X
McGee, Roger L.	X	X

December 21, 2007

Exhibit 3
Page 16 of 19

Party Name	Named/ Served	Appeared
Mesa Verde Development, LLC	X	X
Mideb Nominees, Inc.	X	X
Miller, Mary C. Peggy, Trustee (incorrectly named as "Peggy Miller" and "Mary C. Miller")	X	X
Morrow, Robert S.	X	X
Morrow, Yvonne	X	X
Nipomo Oaks, A General Partnership	X	X
Nuevo Energy Company	X	X
Okonite Company, Inc.	X	X
Oliver, George K.	X	X
Orcutt Aquacenter, Inc.	X	X
Pajaro Valley Greenhouses	X	X
Pak, Song W., Trustee	X	X
Pak, Song W.	X	X
Persons, Kelley M.	X	X
Pismo Coast Village, Inc.	X	X
Putty, Bernice E.	X	X
Pyche 2000 Trust	X	X
Radford Family Trust Tr/d 6/15	X	X
Rapp, George C.	X	X
Rapp, George, Trustee	X	X
Rhea, Dorene	X	X
Rhea, Sam	X	X
Richards, Eva (incorrectly named as "Ebba Richards") ²²	X	X

²² This party has been dismissed by the City of Santa Maria.

December 21, 2007

Party Name	Named/ Served	Appeared
Richards, Burnell H. ²³	X	X
Righetti, Paul	X	X
Robinson, A.D.	X	X
Robinson, Arlene	X	X
Robinson, Franklin D.	X	X
Robinson, James, Trustee	X	X
Roderman Family LLC	X	X
Rodriguez, Raul V.	X	X
Rowan, Raquel	X	X
Rowan, Scott	X	X
Rush-Gannon, Olga M. (incorrectly named as õOlga M. Rushö)	X	X
Sanchez, Maria Z.	X	X
Sanchez, Roberto C.	X	X
Schubert Brodie, Kathleen S. (incorrectly named as õKathleen S. Schubertö)	X	X
Seal, Marc	X	X
Sellers, Robert D., Trust	X	X
Smith, Patricia	X	X
Smith, Paula	X	X
Stiles, John	X	X
Tahmisian, James	X	X
Tahmisian, Lynne	X	X
Tepusquet Ranch	X	X

²³ This party has been dismissed by the City of Santa Maria.

December 21, 2007

Party Name	Named/ Served	Appeared
Thomas, C.T. (incorrectly named as Cecil T. Thomas, Jr.ö)	X	X
Thomas, Suzette	X	X
Thomas California Investments, a Hawaii limited partnership (incorrectly named as öThomas California Investmentsö)	X	X
Thompson, Jacquelyn	X	X
Thompson, Mickey D.	X	X
Thompson, Nancy	X	X
True Water (incorrectly named as öTrue Water Supplyö)	X	X
Van Solinge, Christine J.	X	X
Van Solinge, Roelof L.	X	X
Vaughn, Robert L., Trustee	X	X
Wayner, Delwyn G., Trustee for the Wayner Family Trust (incorrectly named as öDelwyn Wayner Trustö)	X	X
Welsh, James L. ²⁴	X	X
Welsh, Lula ²⁵	X	X
Whipple 2001 Trust	X	X
Williams, Kathryn B., Trust	X	X
Woodmere Villas Owners Association	X	X

²⁴ This party has been dismissed by the City of Santa Maria.

²⁵ This party has been dismissed by the City of Santa Maria.

December 21, 2007

APPENDIX C
NCMA MONITORING PROGRAM

Monitoring Program for the Northern Cities Management Area

Prepared for

The Northern Cities

By

TODD ENGINEERS

2490 Mariner Square Loop, Suite 215

Alameda, CA 94501

510-747-6920

July 2008

Monitoring Program for the Northern Cities Management Area

July 2008

This report was prepared by the staff of Todd Engineers under the supervision of professionals whose signatures appear hereon. The findings or professional opinions were prepared in accordance with generally accepted professional engineering and geologic practice.



Maureen Reilly

Maureen Reilly, P.E.
Project Engineer



Chad Taylor

Chad Taylor, P.G.
Project Geologist

Iris Priestaf

Iris Priestaf, Ph.D.
Project Oversight

Table of Contents

1.	Introduction	1
1.1.	Background	1
1.2.	Judgment	1
1.3.	Objectives of Monitoring Program.....	2
1.4.	Reporting Requirements	2
2.	Elements of the NCMA Monitoring Program	3
2.1.	Hydrologic Conditions	3
2.1.1.	Precipitation.....	3
2.1.2.	Evapotranspiration.....	3
2.1.3.	Surface Water.....	3
2.1.4.	Other Recharge.....	4
2.2.	Water Demand.....	4
2.2.1.	Land use.....	4
2.2.2.	Urban Water Management Plans (UWMPs).....	5
2.2.3.	Population.....	5
2.3.	Water Supply	5
2.3.1.	Lopez Supply.....	5
2.3.2.	State Water Project.....	5
2.3.3.	Groundwater.....	6
2.3.3.1.	Pumping	6
2.3.3.2.	Water Levels	6
2.3.3.3.	Water Quality	7
2.3.3.4.	Seawater Intrusion.....	9
3.	Data Organization.....	10
4.	Protocols.....	12
4.1.	Climate and Hydrology Data.....	12
4.1.1.	Precipitation.....	12
4.1.2.	Evapotranspiration.....	12
4.1.3.	Surface Water.....	13
4.2.	Groundwater Monitoring.....	13
4.1.4.	Wells Used for Monitoring.....	14
4.1.5.	Groundwater Elevations.....	14
4.1.6.	Water Quality.....	14
5.	Annual Report	16
6.	References	17

List of Tables

- Table 1. List of selected wells in the NCMA
- Table 2. List of drinking water systems in the NCMA
- Table 3. List of tables in the NCMA DB

List of Figures

- Figure 1 – Regional map showing location of the NCMA
- Figure 2 – Stream Ggages
- Figure 3 – Weather Stations
- Figure 4 – Groundwater Well Locations

1. Introduction

1.1. Background

This Monitoring Program is a joint effort of the Northern Cities, namely the City of Arroyo Grande, City of Grover Beach, City of Pismo Beach and the Oceano Community Services District (CSD). The Northern Cities and Northern Landowners have actively and cooperatively managed surface water and groundwater resources for more than 30 years. This is recognized in the 2002 Settlement Agreement between the Northern Cities, Northern Landowners, and Other Parties and in the 2005 Settlement Stipulation for the Santa Maria groundwater basin adjudication, which was adopted by the Court in its Judgment After Trial, entered January 25, 2008 (herein “Judgment”).

The Monitoring Program is a key component of the Judgment and forms the basis of the Annual Reports for the Northern Cities Management Area. As shown in Figure 1, the Northern Cities Management Area (NCMA) represents the northernmost portion of the Santa Maria Groundwater Basin. Adjoining the NCMA to the southeast is the Nipomo Mesa Management Area, while the Santa Maria Valley Management Area encompasses the remainder of the groundwater basin.

This Monitoring Program includes a discussion of the various elements to be monitored within the NCMA. As described in this document, the Monitoring Program will obtain pertinent information on an annual basis through data requests to agencies, field work, and online research. Data from these sources will be compiled into a comprehensive database, the Northern Cities Management Area Database (NCMA DB). The results of the monitoring program and NCMA DB will be used to prepare an Annual Report as described in Sections IV D of the Settlement Stipulation.

1.2. Judgment

On January 25, 2008, the Judgment after Trial was handed down from the Superior Court of California, County of Santa Clara. The Judgment approves the June 30, 2005 Stipulation agreed upon by numerous parties, including the Northern Cities, and orders the stipulating parties to comply with each and every term of the Stipulation. The 2002 Settlement Agreement is affirmed as part of the Judgment and its terms incorporated into the Stipulation, except for the provisions regarding continuing jurisdiction, groundwater monitoring, reporting, and the Technical Oversight Committee that are superseded by the respective provisions of the Stipulation.

As specified in the Judgment, groundwater monitoring in the Northern Cities Management Area will be conducted by the Northern Cities. The Judgment requires all Management Areas (including the NCMA) to prepare a Monitoring and Reporting Program within 180 days from the Judgment, in other words by July 23, 2008, and present it to the Court for approval.

1.3. Objectives of Monitoring Program

The Monitoring Program, in accordance with requirements of the Judgment, is designed to collect and analyze data pertinent to water supply and demand. For example, the Monitoring Program must document:

- Land and water uses in the basin,
- Sources of supply to meet those uses,
- Groundwater conditions (including water levels and water quality).

1.4. Reporting Requirements

The results of the NCMA Monitoring Program will be documented and discussed in Annual Reports which are due to the court 120 days after the end of each calendar year. An outline for the first Annual Report, which will be submitted by April 30, 2009, is included in Section 5 of this document.

2. Elements of the NCMA Monitoring Program

This section of the NCMA Monitoring Program identifies required data and presents specific steps for data collection and analysis.

2.1. Hydrologic Conditions

Hydrologic and climatological data for the NCMA will be used in the calculation of water demand, in assessments of recharge to groundwater, and for comparison to water use.

2.1.1. Precipitation.

Historical rainfall data have been compiled on a monthly basis for the NOAA Pismo Beach station for 1949 to 2005. Precipitation data from 2005 to present are available from a County-operated rain gage in Oceano. Data from the Oceano gage will be requested from the County, compiled on a monthly basis, and incorporated into the annual report. Additional precipitation data from other local rain gages will be collected for comparison with the Oceano data on an as-needed basis. In the event that data from the Oceano station become unavailable, another suitable station will be used.

2.1.2. Evapotranspiration.

The California Irrigation Management Information System (CIMIS) maintains a weather station in Nipomo that records additional climatological data including temperature, wind speed, humidity, and evapotranspiration (ET). These data will be downloaded from the CIMIS website and added to the monitoring program database. The CIMIS Nipomo station has been in operation from 1996 to the present. CIMIS operates two other stations near the City of San Luis Obispo (stations 52 and 160). These stations have period of records from 1986 and 2000, respectively. Data from these stations may be used to confirm and/or supplement the data from the Nipomo station.

2.1.3. Surface Water.

Surface water discharge data support the calculation of stream percolation to groundwater. The gage on Arroyo Grande Creek near Arroyo Grande (see Figure 2), originally installed and operated by the United States Geological Survey (USGS), has the most consistent stage-discharge curve for conversion of stage height to stream discharge. The County has five stream gages on Arroyo Grande Creek and one on Los Berros Creek, as shown on Figure 2. Surface water stage data are primarily available from San Luis Obispo County's monitoring network of electronic stream gages. These data will be requested from the County annually. A rating curve, to calculate flow rates, is available for the former USGS gage on Arroyo Grande Creek. Other rating curves may become available for the other surface water sites within the next few years. At that time, the additional data from these stations may be used to assess stream infiltration. Until

supplemental rating curve data become available, additional stream synoptic surveys should be considered to better understand stream infiltration.

2.1.4. Other Recharge.

Other sources of recharge into the groundwater basin will also be monitored. Other sources may include storm water recharge ponds operated by the cities. Updated information about these storm water systems should be added to the NCMA DB. This could include actual measurements of inflow and outflow from ponds. If such specific data are not available, then useful information would include location and capacity of ponds, location and extent of relevant urban watersheds, and information on rainfall/runoff relationships. Storm water quality data also would be useful.

In addition, data and information about other types of recharge that may be added in the future should also be collected and added to the NCMA DB.

2.2. Water Demand

A key component of the monitoring program is the documentation of water demand. In the NCMA, water demand falls into two major categories: urban demand and agricultural demand. These will be evaluated using available land use data, urban water management plans, and population data.

2.2.1. Land use.

Land use information for the NCMA is basic to the quantification of water demand inside and outside of the incorporated areas. DWR land use surveys are generally scheduled for completion every ten years; the last one for the NCMA was completed in 1995. The most recent land use survey was completed by the San Luis Obispo Agricultural Commission in 2007 as part of the County's Master Plan Update. The County plans to update the land use map as part of each Master Plan Update. While the schedule for future updates is not set, it is expected to be about every ten years. When available, new land use maps will be requested from DWR and the County.

In addition, planning maps and up-to-date land use information are also available from the four municipalities. This information can aid in identifying areas of cropland conversion to urban uses and in determining the density of urban populations.

Land use will be used primarily to estimate agricultural water demand in the NCMA. Land use maps provide information such as acreage and type of crops in the area. Agriculture water use statistics, published by DWR for Detailed Analysis Units (DAU), will be combined with information from the land use maps to estimate total demand. These statistics (available for 1998-2001 and found at <http://www.landwateruse.water.ca.gov>) include applied water use, consumptive use, and crop ET coefficients. More recent data will be downloaded from the website when

available. The DWR Agricultural Water Use Specialist for the Southern District and the County Agricultural Commissioner's Office will be contacted as needed to provide information on specific cropping and irrigation patterns (e.g., double-cropping and use of drip irrigation) that affect water demand.

A summary of the type of agricultural land in the area and a table of the DWR water use statistics for the Arroyo Grande DAU will be included in the NCMA DB.

2.2.2. Urban Water Management Plans.

Urban water demand will be compiled directly from Urban Water Management Plans (UWMPs) which are prepared every five years; the next UWMPs are due in 2010. This information can be updated using water service connection numbers from Pismo Beach, Arroyo Grande, and Grover Beach. Oceano CSD is not required to prepare a UWMP because of its limited number of connections. Oceano's demand will be calculated from census data, number of water service connections, and appropriate multipliers for household use.

2.2.3. Population.

To confirm the data presented in the UWMPs and to calculate water demand for Oceano CSD, population data will be obtained from census data which are available online by census tract at <http://www.census.gov/main/www/access.html>. Population estimates will be used to confirm the municipal water demand totals and estimate domestic use outside the urban areas. New census data will be reviewed when available. The next US Census will take place in 2010.

2.3. Water Supply

The NCMA has three major sources of water supply: Lopez Reservoir, State Water Project, and groundwater.

2.3.1. Lopez Reservoir.

All four municipalities in the NCMA receive water from Lopez Reservoir. Data on the volume of Lopez deliveries will be compiled for each municipality and entered into the NCMA DB. Expected deliveries for future years will also be examined.

2.3.2. State Water Project.

The City of Pismo Beach and Oceano CSD receive water from the California State Water Project (SWP). Data on the volume of water delivered to these municipalities will be compiled in the NCMA DB. Estimates of SWP availability in terms of annual allocations for long-term contractors will be obtained from the Department of Water Resources website on SWP analysis and water deliveries (<http://www.swpao.water.ca.gov/deliveries/>).

2.3.3. Groundwater.

2.3.3.1. Pumping

Location and volume of pumping data are recorded by the Northern Cities. Additional pumping from non-urban domestic and agricultural uses will be based on the estimated water demand. These data will be collected or calculated annually and compiled in the NCMA DB.

2.3.3.2. Water Levels

Groundwater elevation data will be used to monitor annual effects of groundwater use, groundwater recharge, and changes in groundwater storage. There are approximately 145 wells within the NCMA that the County has monitored at some time in the past. The County currently monitors 38 of these wells on a semi-annual basis, including five “sentry wells” located along the coast. The County monitors more than 70 additional wells in the southern San Luis Obispo County area. These wells are shown on Figure 3. Wells logs are available for 23 of these wells, 15 located within the NCMA. Information regarding water level monitoring protocols are provided in Section 4 of this report. Water level data will be requested on an annual basis and the NCMA DB will be updated. Wells may be added or subtracted from the monitoring program, and the compilation and analysis of water level data may be modified as needed.

A subset of twenty wells within the NCMA was created to focus the analysis of annual water level changes. These key wells will be used to create hydrographs and contour maps showing long-term water level trends and regional groundwater conditions. Wells were selected for this detailed analysis based on the following criteria:

- Part of the County’s current monitoring program,
- Detailed location information available,
- Geographically distributed,
- Well depth known and/or well log available,
- Long and relatively complete record.

The wells selected are shown in Table 1 below and on Figure 3 in yellow. For the annual report, the hydrographs will be updated with new data, and water level data from the fall monitoring event will be mapped and contoured. The fall water levels are selected for mapping to promote consistency from year to year, as spring levels fluctuate in response to precipitation. Additional data from wells both inside and outside the NCMA may be used in the construction of the contour map. When possible, the same wells will be used to construct each contour map. The wells

selected as a subset for further analysis may be modified in the future to more accurately monitor the overall conditions of the groundwater basin.

Table 1. List of Selected Wells in the NCMA

Well	Screened Interval Elevation (feet Mean Sea Level)	Water Elevation Data Available	Water Quality Data Available
11N/35W-05N02	258'-278'	X	
12N/35W-29N01	80-98'	X	
12N/35W-29R03	385-305'	X	
12N/35W-30K03	40-58', 85-87', 94-100	X	
32S/13E-28K02	59-101'	X	
32S/13E-31H08	90-140'	X	X
32S/13E-31H09	380-520'	X	X
32S/13E-32D03	114'-128'	X	X
32S/13E-32D11	305'-459', 545'-597'	X	X
32S/13E-33A05	18-40'	X	
32S/13E-33K03	64-82'	X	
32S/13E-30N01	15-40'	X	
32S/13E-30N02		X	
32S/13E-30N03	60-135'	X	
Sentry Wells			
12N/36W-36L01	227-237'	X	X
12N/36W-36L02	535-545'	X	X
12N/36W-12C01	280-290'	X	X
12N/36W-12C02	450-460'	X	X
12N/36W-12C03	720-730'	X	X
32S/12E-24B01	48-65'	X	X
32S/12E-24B02	120-145'	X	X
32S/12E-24B03	270-435'	X	X
32S/13E-30F01	15-30'	X	X
32S/13E-30F02	40-55'	X	X
32S/13E-30F03	305-372'	X	X

2.3.3.3. Water Quality

Water quality is a key element of documenting available water supply. Contaminants from anthropogenic sources or seawater intrusion can potentially impact the basin, reducing the available water supply.

Currently the sole source of consolidated water quality information for the area is the California Department of Public Health (DPH formally DHS). The Northern Cities and other community systems in the NCMA submit water quality data to the DPH annually. These data are then uploaded to a state-wide water quality database. Data

from DPH will be requested annually and used to update the NCMA DB. Locations of these wells are not released by DPH, but some well locations are available from the individual water systems. A list of water systems from the DPH water quality database is listed below.

Table 2. List of Drinking Water Systems in the NCMA

Drinking Water System	Number of Monitoring Locations
ARROYO GRANDE, WATER DEPARTMENT	12
DOUBLE J MOBILE ESTATES	2
GRANDE MOBILE MANOR	2
GROVER BEACH WATER DEPARTMENT	7
HALCYON WATER SYSTEM	3
KEN MAR GARDENS MHP	2
LA MESA WATER COMPANY	1
LAGUNA NEGRA MWC	3
MESA DUNES MOBILE HOME ESTATES	5
OCEANO COMM SERVICES DIST.	14
PACIFIC DUNES RANCH	2
PISMO BEACH WATER DEPARTMENT	14
RIM ROCK WATER COMPANY	2

Data from DPH Water Quality database.

Groundwater quality monitoring is conducted at 73 locations within the NCMA and vicinity. No map of these locations is provided because of restrictions placed on the distribution of these data in accordance with the DPH, which provides monitoring results for 69 locations. The remaining four groundwater quality sampling locations are the Sentry Wells. These wells will be sampled regularly, in conjunction with depth to water measurement collection. Current plans are underway for cooperative water quality monitoring at the Sentry Wells between the Northern Cities, the Nipomo Mesa Management Area, and San Luis Obispo County. The Sentry Wells, shown on Figure 3, will be sampled quarterly for a range of constituents to detect the first signs of seawater intrusion. These constituents include the major cations and anions, plus selected constituents such as total nitrogen, bromide, and iodide. The analytes, frequency and number of Sentry Wells monitored may be adjusted as needed.

The methodology of using water quality data to assess seawater intrusion analysis is discussed in the next section. Water quality monitoring protocols are found in Section 4.

2.3.3.4. Seawater Intrusion

The NCMA is underlain by a coastal aquifer system that extends offshore. The aquifers include an interface between freshwater and seawater. While the location of the freshwater-seawater interface(s) is not known, there is currently an estimated net outflow of freshwater from the basin to the ocean and no known seawater intrusion into the water supply aquifers. However, given the potential for intrusion, coastal groundwater levels and quality will be carefully monitored.

As part of the NCMA Monitoring Program, groundwater levels near the coast will be assessed and reported with a focus on the Sentry Wells. Each Sentry Well has multiple ports to monitor water levels at different elevations. Water levels in all ports will be examined relative to one another (to assess vertical differences) and to mean sea level.

Water quality monitoring of coastal wells will provide early warning of seawater intrusion. Depth-specific water quality monitoring of the Sentry Wells can help document any vertical variability of seawater intrusion. Evaluation of water quality data will include time plots of specific constituent concentrations (for example, chloride) that identify freshwater and seawater mixing. Other geochemical methods to identify seawater intrusion may be applied as warranted, including preparation of Piper, Schoeller and brine-differentiation plots.

3. Data Organization

The data collected and measured as part of the monitoring program will be compiled into a comprehensive Northern Cities Management Area database (NCMA DB). The relational database is designed to be updated with new data annually and to generate tables and charts for inclusion in the Annual Report. The tables in the database begin with a prefix, indicating the general type of data found in the table. These prefixes are:

- HY – Hydrologic and climate data
- LU – Land use data
- POP – Population data
- SW – Surface water data
- WELL – Well data (location, construction, etc.)
- WL – Water level data
- WQ – Water quality data
- WS – Water supply data.

A list of proposed NCMA DB tables is found in Table 3. When applicable, each table contains a source field indicating where or from whom the data were collected. The database will be updated annually with data collected from all relevant sources. Tables and fields in the database may be added, subtracted, or modified as needed to better incorporate the data.

Table 3. List of Tables in the NCMA DB.

Table Name	Brief Description
HY_CIMIS_202	Hydrologic data (precip, ET, temperature) downloaded from the CIMIS Station #202 Nipomo
HY_Monthly_Precip_All	Monthly precip for the NOAA station at Pismo Beach (1949-2005) and SLO County precip data from Oceano (2005-current)
Hy_SW_Precip_SLO	SLO County data for precip stations and surface water locations
LU_Applied_Water	DWR Agricultural Water Use Statistics- Applied water by crop type in acre-feet per year per acre
LU_Consumed_Fraction	DWR Agricultural Water Use Statistics- Percent of irrigation water consumed by crop
LU_Crop_ET	DWR Agricultural Water Use Statistics- Crop ET coefficients
LU_DWR_Basin_Summary	Summary of agricultural areas in the basin, source: DWR
LU_DWR_DAU_Summary	Summary of agricultural areas in the DAU, source: DWR
LU_SIO_CO_Basin_Summary	Summary of agricultural areas in the basin, source: SLO County
LU_SLO_CO_DAU_Summary	Summary of agricultural areas in the DAU, source: SLO County
Pop_Population_City	Population data from City's UWMP
Pop_USCensus_2000	Population data from the 2000 Census
SW_SLO_Locations	Locations of County surface water stations
SW_Stormwater_Ponds	Information on the City's stormwater ponds
WELL_Comment_SIO_08	Comment codes for the County's water level data
WELL_LOCATIONS_All	Master well table. Contains locations, construction, notes, etc.
WL_DTW_All	Water level data from all sources, as depth to water in feet
WL_WSE_All	Water elevation data from all sources in feet below mean sea level
WQ_Data_All	All available water quality data
WQ_DHS_Locations	Locations with DHS water quality data
WQ_STORET	Storet chemical numbers
WS_Total	Municipal water supply by month

4. Protocols

The collection of data will be conducted in accordance with the following protocols. These data will be collected annually in January and integrated into the project database and analyzed for the Annual Report to be submitted by April 30th of each year.

4.1. Climate and Hydrology Data

Climate and hydrology data will be collected from existing monitoring stations maintained by the County and by CIMIS.

4.1.1. Precipitation.

Precipitation data are collected by San Luis Obispo County; the locations of seven selected stations are shown on Figure 4. There are three different types of County monitored rain gages: tipping-bucket, rain gages with radio transmitters, and static rain gages. Static gages are read by volunteers and the hand written records are submitted to the County annually (EDAW 1998). Most precipitation data in the area are electronically collected using a tipping-bucket rain gauge connected to a datalogger with remote telemetry capability. The tipping-bucket gage is capable of measuring and recording rainfall in increments equivalent to at least one-hundredth of an inch (0.01). Each tip event is recorded with a date and time stamp to identify storm events and these data are summed for total monthly and annual precipitation.

Precipitation data for the NCMA area will be collected from the County-operated rain gage in Oceano, as shown on Figure 4. The Oceano rain gage is a tipping-bucket gage. Additional precipitation data from County-operated rain gages on Arroyo Grande Creek upstream of the NCMA, near Nipomo, as well as a CIMIS operated climate station in Nipomo and San Luis Obispo (Figure 4) will also be collected for comparison and data quality analysis as needed of the data from the Oceano gauge.

4.1.2. Evapotranspiration.

California Irrigation Management Information System (CIMIS) operates climate stations with evapotranspiration (ET) information and other climate data across California. Many factors affect ET including weather parameters such as solar radiation, air temperature, relative humidity, and wind speed; soil factors such as soil texture, structure, density, and chemistry; and plant factors such as plant type, root depth and foliar density, height, and stage of growth. Although ET can be measured using such devices as lysimeters, estimating ET using analytical and empirical equations is a common practice because measurement methods are expensive and time consuming. Reference crop evapotranspiration is widely used as a reasonable estimate of the ET rate of a reference

crop, usually turf, expressed in inches. Reference crops are either grass (ETo) or alfalfa (ETr) whose biophysical characteristics have been studied extensively. At the Nipomo CIMIS weather station, the reference crop (with standard conditions for calculating ETo) is a well-watered, actively growing, closely-clipped grass that completely shades the soil. The input variables used in the CIMIS equation and the steps to calculate ETo are described on the CIMIS website at <http://wwwcimis.water.ca.gov/cimis/infoEtoEquation.jsp>.

4.1.3. Surface Water.

Surface water discharge data are available primarily from the County's network of data-recording stream gages. The collection of stream discharge data is accomplished by measuring stream stage height and subsequently calculating discharge from a stage-discharge curve. Stage-discharge curves are created by manually collecting successive discharge and stage height measurements. For high flows, the County uses Hydrologic Engineering Centers River Analysis System (HEC- RAS) to develop rating curves from recorded flow depth. In addition to HEC-RAS, it is recommended that the Northern Cities work with the County to ensure that rating curves adhere to the USGS standards described in *Techniques of Water-Resources Investigations of the United States Geological Survey, Chapter A8 – Discharge Measurements at Gaging Stations* (USGS, 1969). Stage height data at each gage site are collected using a transducer in a stilling well connected to a datalogger with remote telemetry capability. Electronic stage height records for this gage would be used to calculate discharge using the County maintained stage-discharge curve, when available.

Currently, no ongoing monitoring of surface water quality is performed in the area. However, any future monitoring should be consistent with the Surface Water Ambient Monitoring Program (SWAMP) guidelines to enable data integration with the larger state-wide databases. SWAMP monitoring protocols are available at http://www.swrcb.ca.gov/water_issues/programs/swamp/qamp.shtml. The key procedures and protocols for surface water quality sampling are available at this site in as appendices to the report on Quality Assurance and Quality Control, Appendix D – SWAMP Field Collection Standard Operating Procedures and Appendix E - SWAMP Field Data Measurement Standard Operating Procedures (SOP).

4.2. Groundwater Monitoring

Groundwater monitoring will rely primarily on the long-established monitoring programs of the Northern Cities and County. The wells within the network and the monitoring protocols are described below.

4.1.4. Wells Used for Monitoring.

The County's selection of monitoring locations has generally been based on the following criteria:

- Willingness of well owners to allow access to and use of private wells
- Access to wells
- Ability to physically collect measurements from the wells.

The location and elevation for each well within the monitoring network has been measured using handheld Global Positioning System (GPS) units. The GPS measured elevation is collected at a marked location on the well that will be used in the future for referencing depth to water measurements for calculation of groundwater elevation. Location and reference point elevation data are recorded in the project database with other pertinent well information (owner, common name, state well number, etc.). Well construction details are also collected and recorded in the project database when they are available. Well logs from thousands of wells in San Luis Obispo County are kept on file at both the County Engineering and Health Departments (EDAW 1998).

4.1.5. Groundwater Elevations.

San Luis Obispo County has been monitoring and compiling water level data across the County since the 1950's. The County maintains a database of over 625 wells (EDAW 1998). Groundwater elevations are monitored in all of the wells indicated above at least twice annually. Groundwater elevations are monitored in the County monitored wells semiannually in April and October. County personnel measure water levels in the active monitoring network to ensure consistency of the data (EDAW 1998). Depth to water measurements from each well are collected relative to the appropriate reference point using an electric water level indicator in general accordance with American Society for Testing and Materials (ASTM) Standard D4750-87 (ASTM, 2001). Care is taken to collect depth to groundwater measurements when pumps in the wells are not in operation. If a pump cannot be turned off, then collection of a depth to groundwater measurement is either postponed or the measurement is noted to have been taken while the pump was operating. Groundwater elevations are calculated by subtracting the depth to groundwater measurement from the reference point elevation.

In addition to the County's program, the Northern Cities will monitor groundwater elevations in the Sentry Wells in January and July.

4.1.6. Water Quality.

Groundwater quality is monitored in drinking water wells throughout the area. In addition, the Sentry Wells along the coast will be monitored quarterly. Groundwater quality sampling at drinking water wells is conducted to comply with Title 22 of the California Code of Regulations. These wells will be sampled in accordance with ASTM Standard D4448-01 (ASTM, 2007) and the samples will be analyzed by a State Certified

Laboratory for the major ions (calcium, bicarbonate, carbonate, chloride, magnesium, potassium, sodium, and sulfate) plus selected constituents for seawater intrusion such as bromide, iodide, and total nitrogen. When applicable, water quality data will be collected consistent with Groundwater Ambient Monitoring and Assessment (GAMA) programs. The GAMA policies and protocols are derived from U.S. Geological Survey Techniques of Water-Resources Investigations (USGS 1997 to present).

5. Annual Report

The monitoring and reporting program will support preparation of an Annual Report that documents water demand, water supply, and the conditions of the groundwater basin. The Annual Report will be submitted to the court within 120 days after the end of each calendar year. The first Annual report will be submitted by April 30, 2009. A preliminary outline of the Annual Report is shown below.

Preliminary Annual Report Outline

1. Introduction
2. Management Activities
3. Climatic Conditions
 - 3.1. Precipitation
 - 3.2. Evapotranspiration
4. Water Demand
 - 4.1. Land Use
 - 4.2. Population
 - 4.3. Water Use by City
 - 4.3.1. Urban Water Management Plans
 - 4.4. Changes in Current and Projected Water Demand
5. Water Supply
 - 5.1. Sources of Supply
 - 5.1.1. Lopez Reservoir
 - 5.1.2. State Water Project
 - 5.1.3. Developed Water
 - 5.1.4. Groundwater
 - 5.2. Groundwater Conditions
 - 5.2.1. Water Levels
 - 5.2.1.1. Hydrographs
 - 5.2.1.2. Change in Storage
 - 5.2.2. Water Quality
 - 5.2.2.1. Time Concentration Plots
 - 5.2.2.2. Trends
 - 5.2.3. Seawater Intrusion
 - 5.2.3.1. Water Levels
 - 5.2.3.2. Water Quality Changes
 - 5.3. Threats to Water Supply
6. Comparison of Demand and Supply
7. Expected Future Conditions
8. Recommendations
9. References

6. References

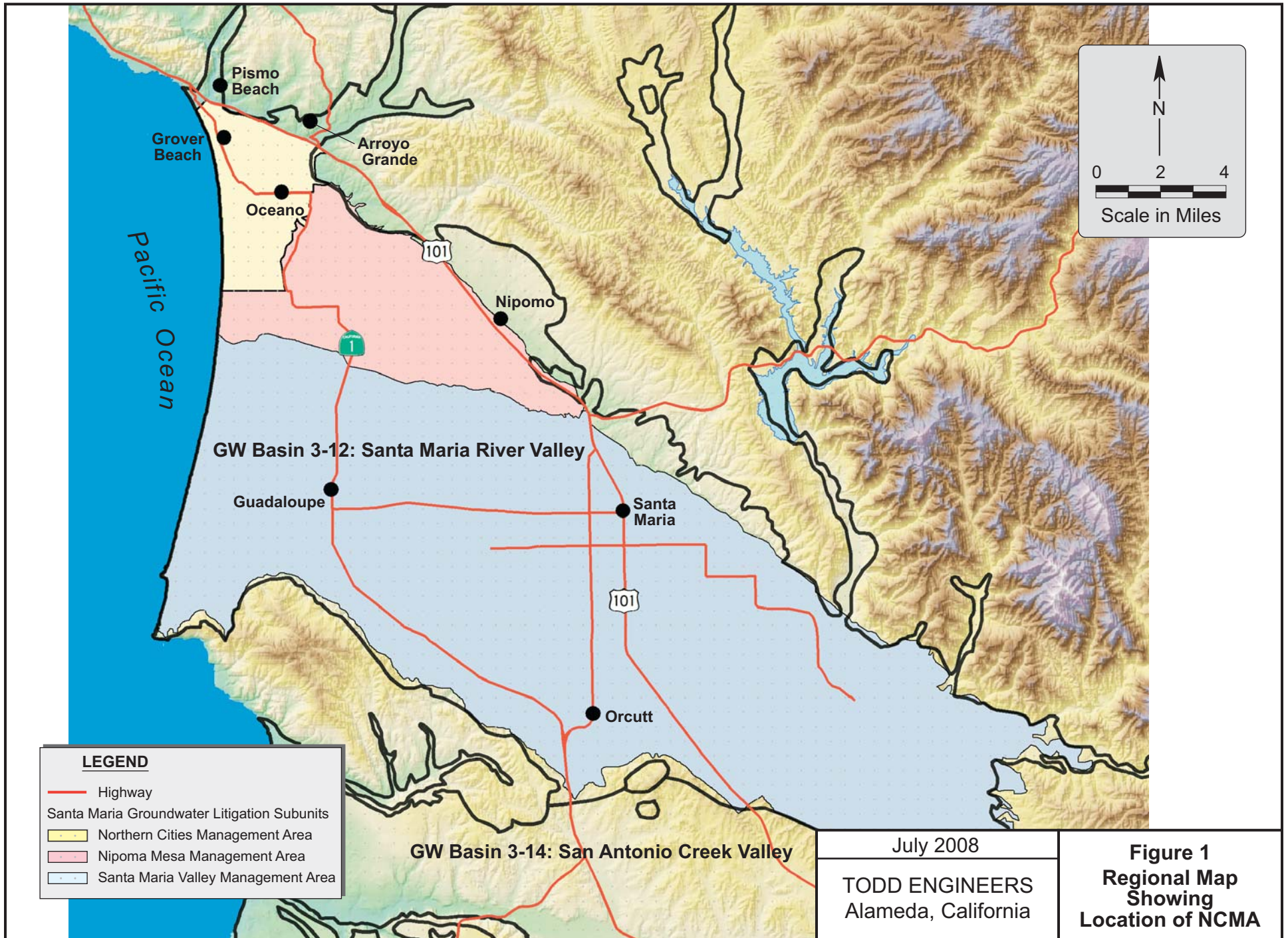
ASTM International (ASTM), Designation D 4448-01, Standard Guide for Sampling Ground-Water Monitoring Wells, 2007

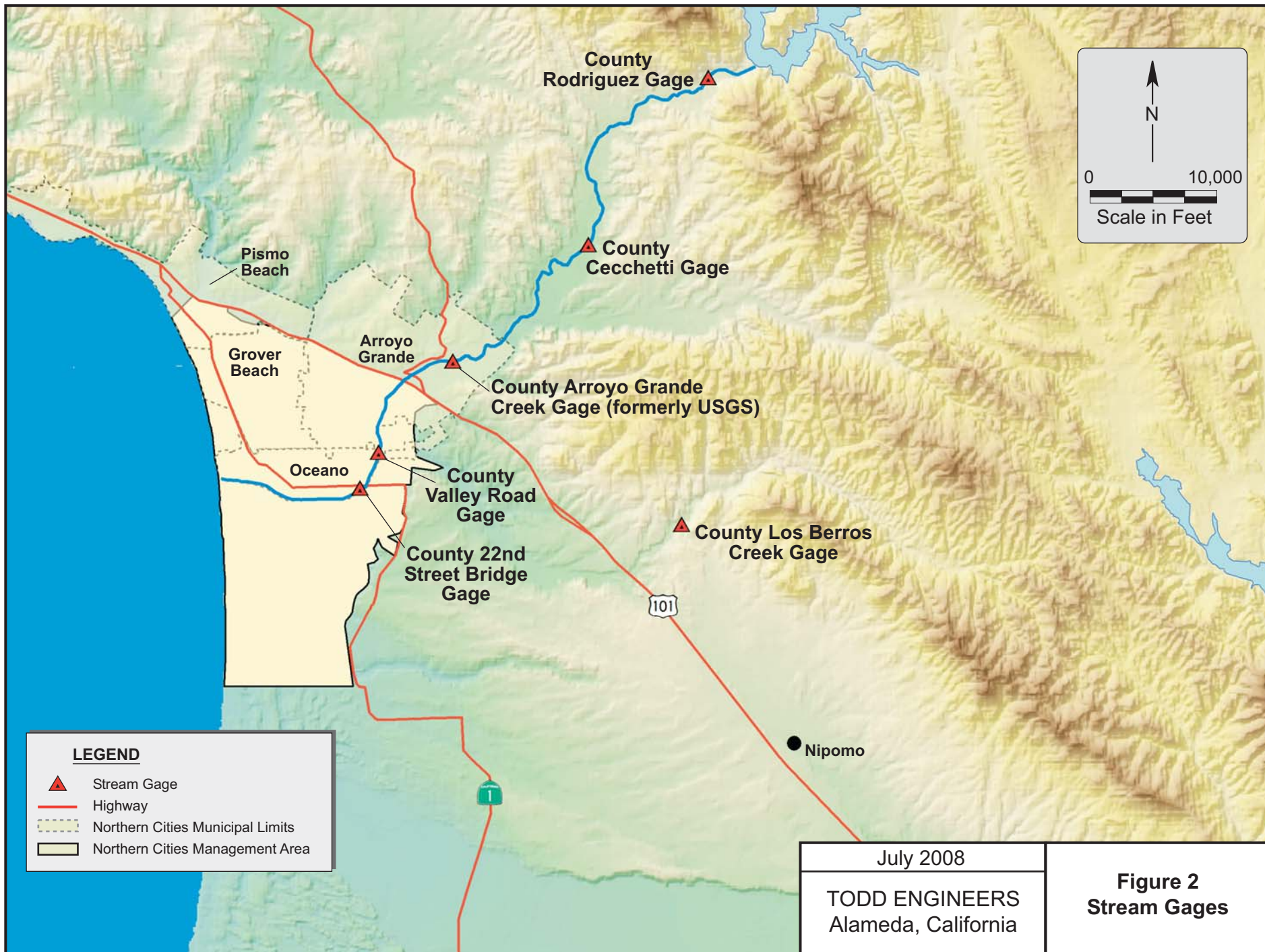
ASTM International (ASTM), Designation D 4750-87, Standard Test Method for Determining Subsurface Liquid Levels in a Borehole or Monitoring Well (Observation Well), 2001

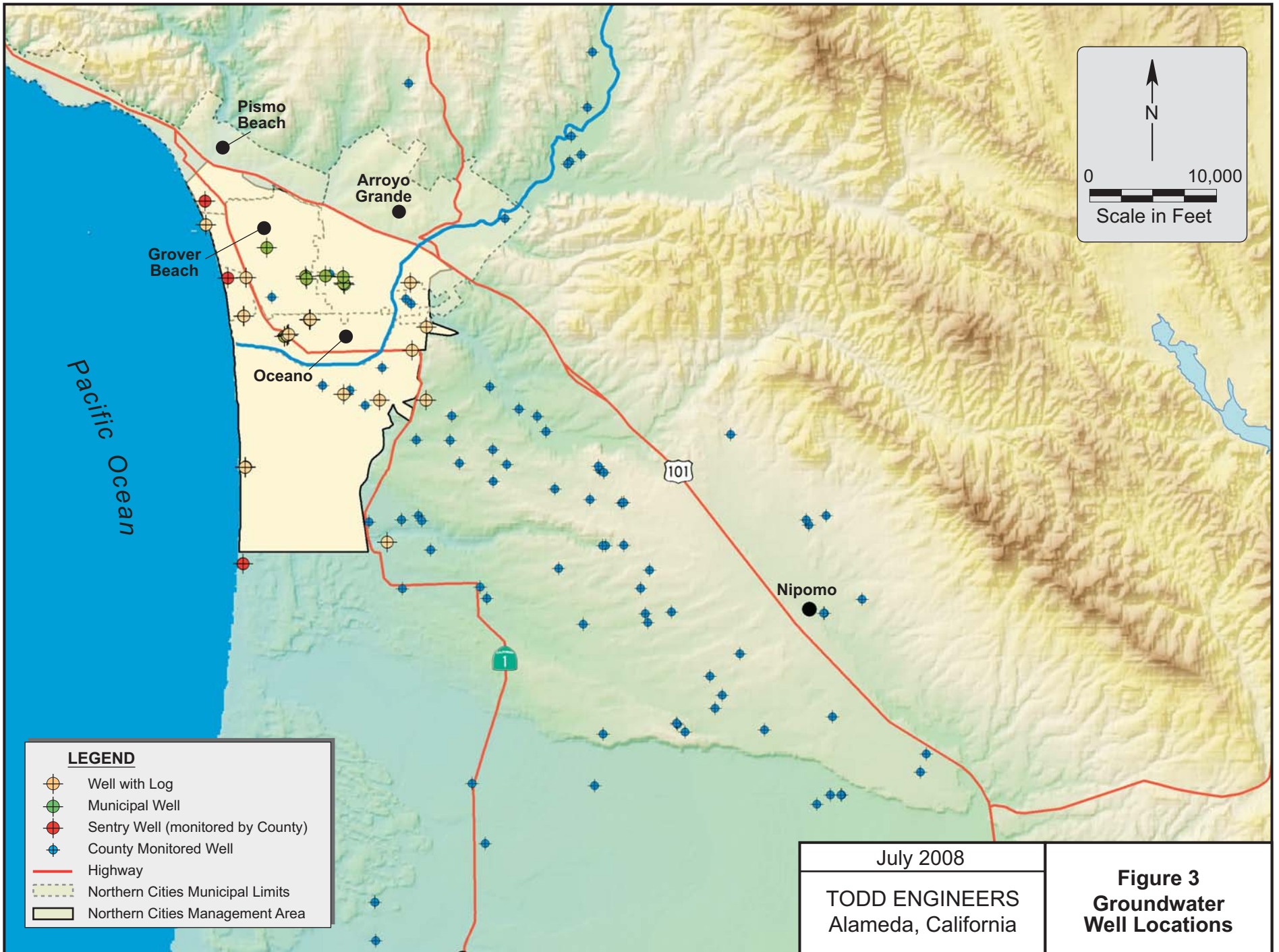
EDAW, San Luis Obispo County Master Plan Update, August 1998.

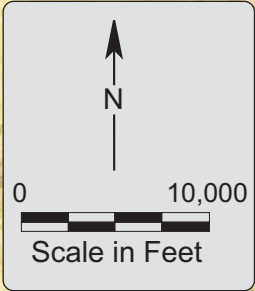
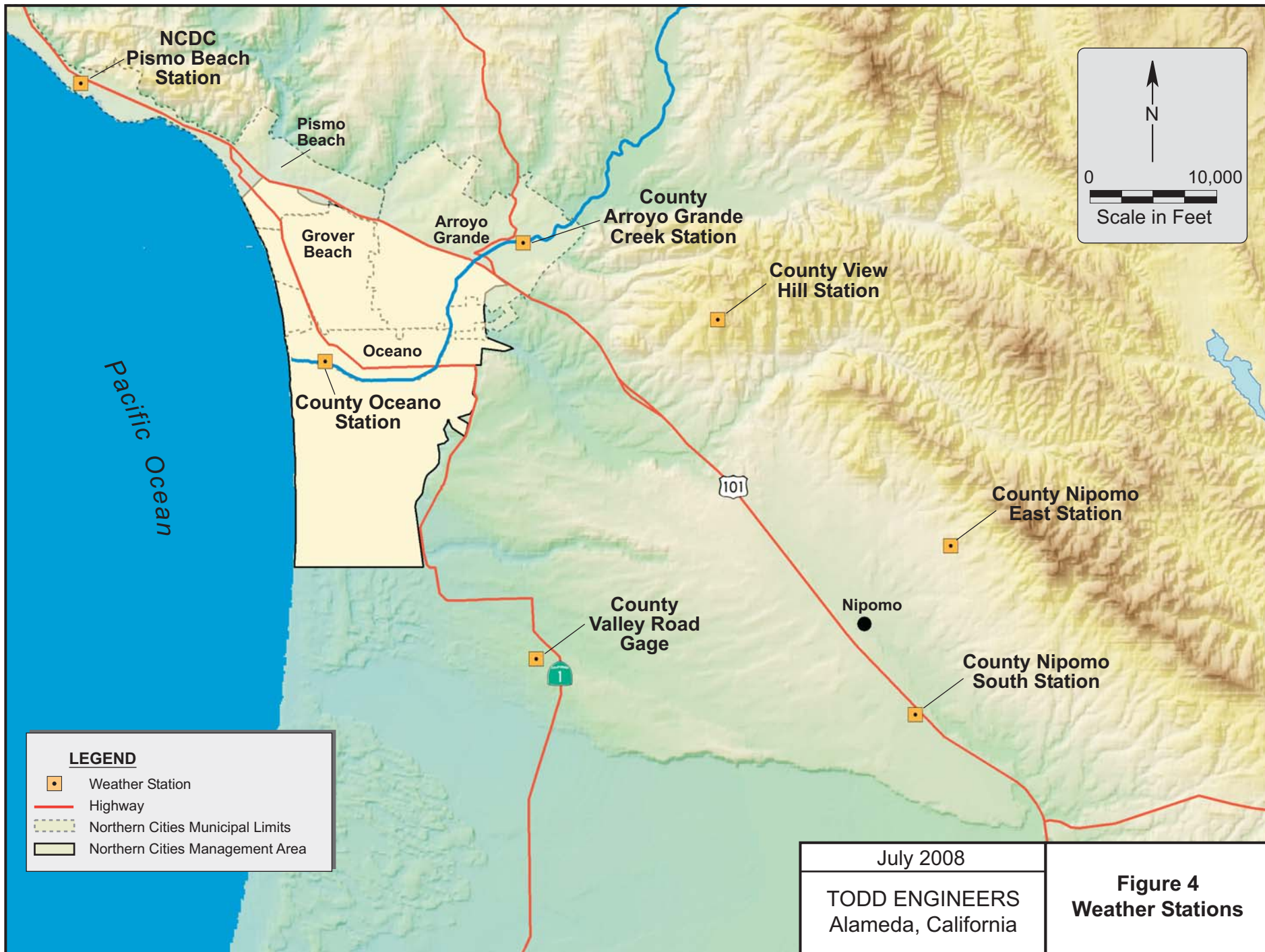
U.S Geological Survey (USGS), U.S. Geological Survey Techniques of Water-Resources Investigations <http://water.usgs.gov/owq/FieldManual/>, 1997 to present.

FIGURES









LEGEND

- Weather Station
- Highway
- Northern Cities Municipal Limits
- Northern Cities Management Area

July 2008
TODD ENGINEERS
Alameda, California

Figure 4
Weather Stations

APPENDIX D
NORTHERN CITIES AGREEMENT TEMPLATES

**CITY OF PISMO BEACH
VENDOR AGREEMENT FOR PROFESSIONAL SERVICES**

This Vendor Agreement for Professional Services (“AGREEMENT”) is made and entered into as of the date the AGREEMENT is fully executed by all parties (the “Effective Date”), by and between the City of Pismo Beach, a municipal corporation (“CITY”), and **Name of Vendor** (“VENDOR”). In consideration of the mutual covenants and conditions set forth herein, the parties agree as follows:

RECITALS:

CITY wishes to retain the services of an experienced and qualified VENDOR to provide the following services:

Summary description of services to be provided.

VENDOR represents and warrants that it is qualified to perform those services.

AGREEMENT:

I. SERVICES TO BE PERFORMED BY VENDOR

VENDOR will provide the services listed in the Scope of Services attached hereto as **Exhibit A**. VENDOR warrants that all work and services set forth in the Scope of Services will be performed in a competent, professional and satisfactory manner. Extra work beyond that described in the Scope of Services is not authorized without the express written approval of CITY. VENDOR shall request and receive written approval prior to performing any extra work. Any work beyond that reflected in the approved Scope of Services shall not be compensated by CITY unless prior written approval was provided under this paragraph. CITY’s City Manager may approve additional work not to exceed thirty thousand dollars (\$30,000.00). Any additional work in excess of this amount shall be approved by the City Council. To the extent that Exhibit A is a proposal from VENDOR, such proposal is incorporated only for the description of the Scope of Services and no other terms and conditions from any such proposal shall apply to this AGREEMENT unless specifically agreed to by CITY in writing.

II. TERM

Unless earlier terminated in accordance with Section IV below, or unless the Scope of Services are substantially completed, the AGREEMENT will continue in full force and effect from the Effective Date through **Expiration Date** . Upon mutual written agreement, the term of this AGREEMENT can be extended annually under the same terms for an additional one (1) year period, or longer as the parties agree in writing.

III. COMPENSATION

A. VENDOR’s Fee

For services rendered pursuant to this AGREEMENT, VENDOR will be paid in accordance with the Compensation Schedule attached hereto as **Exhibit B**. However, in no event will the total amount of money paid VENDOR, for services initially contemplated by this AGREEMENT and associated expenses, exceed the sum of **write out dollar amount dollars (\$00,000.00)** , unless otherwise first approved in writing by CITY. Should this AGREEMENT be extended pursuant to Section II, VENDOR’s fee may be adjusted upon the written agreement of the parties, in the form of an amendment to this AGREEMENT.

B. Schedule of Payment

VENDOR will submit invoices monthly for actual services performed and associated expenses. Invoices shall be submitted on or about the first business day of each month, or as soon thereafter as practical, for services provided in the previous month. Payment shall be made within thirty (30) days of receipt of each invoice as to all non-disputed fees. If CITY disputes any of VENDOR's fees it shall give written notice to VENDOR within thirty (30) days of receipt of an invoice of any disputed fees set forth on the invoice. Any final payment under this AGREEMENT shall be made within forty-five (45) days of receipt of an invoice therefor.

IV. TERMINATION OF AGREEMENT

- A. CITY may at any time, for any reason, with or without cause, suspend or terminate this AGREEMENT, or any portion hereof, by serving upon VENDOR at least ten (10) days' prior written notice. Upon receipt of said notice, VENDOR shall immediately cease all work under this AGREEMENT, unless the notice provides otherwise. If CITY suspends or terminates a portion of this AGREEMENT, such suspension or termination shall not make void or invalidate the remainder of this AGREEMENT.
- B. In the event this AGREEMENT is terminated pursuant to this Section, CITY shall pay to VENDOR the actual value of the work performed up to the time of termination, provided that the work performed is of value to CITY. Upon termination of the AGREEMENT pursuant to this Section, VENDOR will submit an invoice to CITY pursuant to Section III.

V. FORCE MAJEURE

If any party fails to perform its obligations because of strikes, lockouts, labor disputes, embargoes, "acts of God," inability to obtain labor or materials or reasonable substitutes for labor or materials, governmental restrictions, governmental regulations, governmental control, judicial orders, enemy or hostile governmental action, civil commotion, fire or other casualty, or other causes beyond the reasonable control of the party obligated to perform, then that party's performance shall be excused for a period equal to the period of such cause for failure to perform.

VI. RETENTION OF FUNDS

VENDOR authorizes CITY to deduct from any amount payable to VENDOR (whether or not arising out of this AGREEMENT) any amounts the payment of which may be in dispute or that are necessary to compensate CITY for any losses, costs, liabilities, or damages suffered by CITY, and all amounts for which CITY may be liable to third parties, by reason of VENDOR's acts or omissions in performing or failing to perform VENDOR's obligations under this AGREEMENT. In the event that any claim is made by a third party, the amount or validity of which is disputed by VENDOR, or any indebtedness exists that appears to be the basis for a claim of lien, CITY may withhold from any payment due, without liability for interest because of the withholding, an amount sufficient to cover the claim. The failure of CITY to exercise the right to deduct or to withhold will not, however, affect the obligations of VENDOR to insure, indemnify, and protect CITY as elsewhere provided in this AGREEMENT.

VII. CITY REPRESENTATIVE

The Title of City staff member is designated as the "City Representative," authorized to act in its behalf with respect to the work and services specified in this AGREEMENT and to make all decisions in connection with this AGREEMENT. Whenever approval, directions, or other actions are required by

CITY under this AGREEMENT, those actions will be taken by CITY Representative, unless otherwise stated. CITY's City Manager has the right to designate another CITY Representative at any time, by providing notice to VENDOR.

VIII. VENDOR REPRESENTATIVE(S)

The person(s) employed by VENDOR whose name(s) are set forth immediately following the signatures of the parties executing this AGREEMENT are designated as being the representative(s) of VENDOR authorized to act on its behalf with respect to the work specified in this AGREEMENT and make all decisions in connection with this AGREEMENT.

IX. INDEPENDENT CONTRACTOR

VENDOR is, and at all times will remain as to CITY, a wholly independent contractor. Neither CITY nor any of its elected officials, officers, employees or agents will have control over the conduct of VENDOR or any of VENDOR's employees, except as otherwise set forth in this AGREEMENT and then only as to the results to be accomplished and not the method by which VENDOR provides the Scope of Services. VENDOR may not, at any time or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of CITY.

X. BUSINESS LICENSE

VENDOR must obtain a CITY business license prior to the start of work under this AGREEMENT, unless VENDOR is qualified for an exemption.

XI. OTHER LICENSES AND PERMITS

VENDOR warrants that it has all professional, contracting and other permits and licenses required to undertake the work contemplated by this AGREEMENT.

XII. VENDOR'S ACCOUNTING RECORDS; OTHER PROJECT RECORDS

- A. VENDOR shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by CITY that relate to the performance of services under this AGREEMENT. VENDOR shall maintain adequate records of services provided in sufficient detail to permit an evaluation of services.
- B. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. VENDOR shall provide free access to the representatives of CITY or its designees at reasonable times to such books and records; shall give CITY the right to examine and audit said books and records; shall permit CITY to make transcripts or copies therefrom as necessary; and shall allow inspection of all work, data, documents, proceedings, and activities related to this AGREEMENT. Such records, together with supporting documents, shall be maintained for a period of three (3) years after receipt of final payment. Upon completion of, or in the event of termination or suspension of this AGREEMENT, all original documents, designs, drawings, maps, models, computer files, surveys, notes, and other documents prepared in the course of providing the services to be performed pursuant to this AGREEMENT shall become the sole property of CITY and may be used, reused, or otherwise disposed of by CITY without the permission of VENDOR. With respect to computer files, VENDOR shall make available to CITY, at VENDOR's office and upon reasonable written request by CITY, the necessary computer software and hardware for purposes of accessing, compiling, transferring, copying and/or

printing computer files. VENDOR hereby grants to CITY all right, title, and interest, including any copyright, in and to the documents, designs, drawings, maps, models, computer files, surveys, notes, and other documents prepared by VENDOR in the course of providing the services under this AGREEMENT.

- C. All plans, studies, sketches, drawings, reports, and specifications as herein required are the property of CITY, whether the work for which they are made be executed or not. In the event this AGREEMENT is terminated, and at the end of the term of this AGREEMENT, all such plans, studies, sketches, drawings, electronic documentation, reports, and specifications shall be delivered immediately to CITY. VENDOR may retain one copy of each document for VENDOR'S records, but shall have no proprietary rights to them. CITY agrees to indemnify VENDOR against any damages caused by the unauthorized re-use of said documents.

XIII. INDEMNIFICATION

A. Non-design, non-construction Professional Services:

To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), VENDOR shall indemnify, defend, and hold harmless CITY, and its elected officials, officers, employees, volunteers, and agents ("CITY Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of VENDOR's performance or VENDOR's failure to perform its obligations under this AGREEMENT or out of the operations conducted by VENDOR, including CITY's active or passive negligence, except for such loss or damage arising from the sole negligence or willful misconduct of CITY. In the event CITY Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from VENDOR's performance of this AGREEMENT, VENDOR shall provide a defense to CITY Indemnitees or at CITY's option, reimburse CITY Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

B. Non-design, construction Professional Services:

To the extent the Scope of Services involve a "construction contract" as that phrase is used in Civil Code Section 2783, this paragraph shall apply in place of paragraph A. To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8), VENDOR shall indemnify, defend, and hold harmless the CITY, and its elected officials, officers, employees, volunteers, and agents ("CITY Indemnitees"), from and against any and all causes of action, claims, liabilities, obligations, judgments, or damages, including reasonable legal counsels' fees and costs of litigation ("claims"), arising out of VENDOR's performance or VENDOR's failure to perform its obligations under this AGREEMENT or out of the operations conducted by VENDOR, except for such loss or damage arising from the active negligence, sole negligence or willful misconduct of CITY. In the event CITY Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from VENDOR's performance of this AGREEMENT, VENDOR shall provide a defense to CITY Indemnitees or at CITY's option, reimburse CITY Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims.

C. Design Professional Services:

In the event VENDOR is a "design professional," and the Scope of Services require VENDOR to provide "design professional services" as those phrases are used in Civil Code Section 2782.8, this paragraph shall apply in place of paragraphs A or B. To the fullest extent permitted by law (including, but not limited to California Civil Code Sections 2782 and 2782.8) VENDOR shall indemnify, defend and hold harmless CITY and its elected officials, officers,

employees, volunteers and agents ("City Indemnitees"), from and against all claims, damages, injuries, losses, and expenses including costs, attorney fees, expert consultant and expert witness fees arising out of, pertaining to or relating to, the negligence, recklessness or willful misconduct of VENDOR, except to the extent caused by the sole negligence, active negligence or willful misconduct of CITY. Negligence, recklessness or willful misconduct of any subcontractor employed by VENDOR shall be conclusively deemed to be the negligence, recklessness or willful misconduct of VENDOR unless adequately corrected by VENDOR. In the event CITY Indemnitees are made a party to any action, lawsuit, or other adversarial proceeding arising from VENDOR's performance of this AGREEMENT, VENDOR shall provide a defense to CITY Indemnitees or at CITY's option, reimburse CITY Indemnitees their costs of defense, including reasonable legal fees, incurred in defense of such claims. In no event shall the cost to defend charged to VENDOR under this paragraph exceed VENDOR's proportionate percentage of fault. However, notwithstanding the previous sentence, in the event one or more defendants is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, VENDOR shall meet and confer with other parties regarding unpaid defense costs.

- D. Payment by CITY is not a condition precedent to enforcement of the indemnities in paragraph A, B, or C. In the event of any dispute between VENDOR and CITY, as to whether liability arises from the active negligence, sole negligence or willful misconduct of CITY or its officers, employees, or agents, VENDOR will be obligated to pay for CITY's defense until such time as a final judgment has been entered adjudicating CITY as having been actively negligent, solely negligent or as having engaged in willful misconduct. Except as otherwise required by Civil Code Section 2782.8, VENDOR will not be entitled in the absence of such a determination to any reimbursement of defense costs including but not limited to attorney's fees, expert fees and costs of litigation. The provisions of this Section 13 shall survive completion of VENDOR's services or the termination of this AGREEMENT.

XIV. NON-LIABILITY OF CITY OFFICERS AND EMPLOYEES

No elected official, officer, employee, or agent of CITY will be personally liable to VENDOR, in the event of any default or breach by CITY or for any amount that may become due to VENDOR.

XV. INSURANCE

- A. Without limiting VENDOR's indemnification of CITY, and prior to commencement of the Scope of Services, VENDOR shall obtain, provide and maintain at its own expense during the term of this AGREEMENT, policies of insurance of the type and amounts described below and in a form that is satisfactory to CITY.
1. General liability insurance. VENDOR shall maintain commercial general liability insurance with coverage at least as broad as Insurance Services Office (ISO) form CG 00 01, in an amount not less than \$1,000,000 per occurrence, \$2,000,000 general aggregate, for bodily injury, personal injury, and property damage. The policy must include contractual liability that has not been amended. Any endorsement restricting standard ISO "insured contract" language will not be accepted.
 2. Automobile liability insurance. If VENDOR owns vehicles used in performing the Scope of Services in any manner, VENDOR shall maintain automobile insurance at least as broad as Insurance Services Office (ISO) form CA 00 01 covering bodily injury and property damage for all activities of VENDOR arising out of or in connection with any work to be performed under this AGREEMENT, including coverage for any owned,

hired, non-owned or rented vehicles, in an amount not less than \$1,000,000 combined single limit for each accident.

3. Workers' compensation insurance. VENDOR shall maintain Workers' Compensation Insurance (Statutory Limits) and Employer's Liability Insurance (with limits of at least \$1,000,000), as required by law.
4. VENDOR shall submit to CITY, along with the certificate of insurance, a Waiver of Subrogation endorsement in favor of CITY, its officers, agents, employees, and volunteers.
5. Errors and Omissions/Professional Liability. VENDOR shall maintain a policy of professional liability insurance written on a claims-made basis in an amount not less than \$1,000,000. VENDOR shall also procure and pay for appropriate tail coverage for a minimum of three years following completion of the Scope of Services to cover any errors or omissions occurring during the Term. In the alternative, VENDOR may elect to obtain equivalent coverage on an occurrence basis. CITY's Risk Manager or City Attorney may waive the requirement of professional liability insurance if he/she determines that such a policy is not commercially available to VENDOR. If such a policy is commercially available, additional cost to VENDOR in obtaining such a policy shall not be a basis upon which the insurance requirement will be waived.

B. Other provisions or requirements:

1. Proof of insurance. VENDOR shall provide certificates of insurance to CITY as evidence of the insurance coverage required herein, along with a waiver of subrogation endorsement for workers' compensation. Insurance certificates and endorsements must be approved by CITY's Risk Manager prior to commencement of performance. Current certification of insurance shall be kept on file with CITY at all times during the term of this contract. CITY reserves the right to require complete, certified copies of all required insurance policies, including endorsements to such policies, at any time.
2. Duration of coverage. VENDOR shall procure and maintain for the duration of the AGREEMENT insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the work hereunder by VENDOR, its agents, representatives, employees, or subconsultants.
3. Primary/noncontributing. Coverage provided by VENDOR shall be primary and any insurance or self-insurance procured or maintained by CITY shall not be required to contribute with it. The limits of insurance required herein may be satisfied by a combination of primary and umbrella or excess insurance. Any umbrella or excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and non-contributory basis for the benefit of CITY before CITY's own insurance or self-insurance shall be called upon to protect it as a named insured.
4. CITY's rights of enforcement. In the event any policy of insurance required under this AGREEMENT does not comply with these specifications or is canceled and not replaced, CITY has the right but not the duty to obtain the insurance it deems necessary and any premium paid by CITY will be promptly reimbursed by VENDOR or CITY will withhold amounts sufficient to pay premium from VENDOR payments. In the alternative, CITY may terminate this AGREEMENT as provided in paragraph IV.
5. Acceptable insurers. All insurance policies shall be issued by an insurance company currently authorized by the Insurance Commissioner to transact business of insurance or is on the List of Approved Surplus Line Insurers in the State of California, with an

assigned policyholders' Rating of A- (or higher) and Financial Size Category Class VII (or larger) in accordance with the latest edition of Best's Key Rating Guide, unless otherwise approved by CITY's Risk Manager.

6. Waiver of subrogation. All insurance coverage maintained or procured pursuant to this AGREEMENT shall be endorsed to waive subrogation against CITY, its elected or appointed officials, agents, officers, employees, and volunteers or shall specifically allow VENDOR or others providing insurance evidence in compliance with these specifications to waive their right of recovery prior to a loss. VENDOR hereby waives its own right of recovery against CITY, and shall require similar written express waivers and insurance clauses from each of its subconsultants.
7. Enforcement of contract provisions (non-estoppel). VENDOR acknowledges and agrees that any actual or alleged failure on the part of CITY to inform VENDOR of non-compliance with any requirement imposes no additional obligations on CITY nor does it waive any rights hereunder.
8. Requirements not limiting. Requirements of specific coverage features or limits contained in this Section are not intended as a limitation on coverage, limits or other requirements, or a waiver of any coverage normally provided by any insurance. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue and is not intended by any party or insured to be all inclusive, or to the exclusion of other coverage, or a waiver of any type. If VENDOR maintains higher limits than the minimums shown above, CITY requires and shall be entitled to coverage for the higher limits maintained by VENDOR. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to CITY.
9. Notice of cancellation. VENDOR agrees to oblige its insurance agent or broker and insurers to provide to CITY with a thirty (30) day notice of cancellation (except for nonpayment for which a ten (10) day notice is required) or nonrenewal of coverage for each required coverage. In the event VENDOR's policy of insurance cannot be endorsed to provide this notice of cancellation, VENDOR shall provide CITY notice of such cancellation, in writing, not later than 24 hours following the effective time of such cancellation.
10. Additional insured status. General liability policies shall provide or be endorsed to provide that CITY and its officers, officials, employees, and agents shall be additional insureds under such policies. This provision shall also apply to any excess/umbrella liability policies. Each such insurance policy shall contain language substantially similar to the following clause:

"The City of Pismo Beach, its elected and appointed officials, officers, employees, and agents are named as additional insureds as respects operations of the named insured performed under contract with the City of Pismo Beach."

CITY need not be named as an additional insured on professional liability insurance policies.
11. Prohibition of undisclosed coverage limitations. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to CITY and approved of in writing by CITY's Risk Manager or City Attorney.

12. Separation of insureds. A severability of interests provision must apply for all additional insureds ensuring that VENDOR's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the insurer's limits of liability. The policy(ies) shall not contain any cross-liability exclusions.
13. Pass-through clause. VENDOR agrees to ensure that its sub-consultants, sub-contractors, and any other party providing any work under the Scope of Services under the direction of VENDOR, provide the same minimum insurance coverage and endorsements required of VENDOR. VENDOR agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. VENDOR agrees that upon request, all AGREEMENTS with consultants, subcontractors, and others engaged in performing work under the Scope of Services will be submitted to CITY for review.
14. CITY's right to revise specifications. CITY reserves the right at any time during the term of the contract to change the amounts and types of insurance required by giving VENDOR ninety (90) days' advance written notice of such change. If such change results in substantial additional cost to VENDOR, CITY and VENDOR may renegotiate VENDOR's compensation.
15. Self-insured retentions. Any self-insured retentions must be declared to and approved by CITY. CITY reserves the right to require that self-insured retentions be eliminated, lowered, or replaced by a deductible. Self-insurance will not be considered to comply with these specifications unless approved by CITY.
16. Timely notice of claims. VENDOR shall give CITY prompt and timely notice of claims made or suits instituted that arise out of or result from VENDOR's performance under this AGREEMENT, and that involve or may involve coverage under any of the required liability policies.
17. Additional insurance. VENDOR shall also procure and maintain, at its own cost and expense, any additional kinds of insurance, which in its own judgment may be necessary for its proper protection and prosecution of the Scope of Services.

XVI. SUBCONTRACTORS

Before VENDOR retains or hires a subcontractor to provide any work, labor, or services relative to this AGREEMENT, VENDOR must:

- A. Present the name and identifying information of the subcontractor that will provide any work, labor, or services to CITY;
- B. Present to CITY the form of subcontract that will be used with the subcontractor for CITY's approval, which approval will not be unreasonably withheld. Such subcontract agreement must include an indemnity agreement that is generally in accord with the indemnity obligations contained in paragraph XII of this AGREEMENT and must specifically name CITY as an indemnified party; and
- C. Secure from the subcontractor evidence of insurance coverage that meets with this AGREEMENT including naming CITY as an additional insured as required by this AGREEMENT, unless such requirement is waived in writing by CITY's Risk Manager as provided in paragraph XXV below.

XVII. CONFLICT OF INTEREST

No officer or employee of CITY may have any financial interest, direct or indirect, in this AGREEMENT, nor may any officer or employee participate in any decision relating to the AGREEMENT that affects the officer or employee's financial interest or the financial interest of any corporation, partnership, or association in which the officer or employee is directly or indirectly interested, in violation of any law, rule or regulation.

No person may offer, give, or agree to give any officer or employee or former officer or employee, nor may any officer or employee solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, preparation or any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any way pertaining to any program requirement, contract or subcontract, or to any solicitation or proposal.

XVIII. NOTICE

All notices, requests, demands, or other communications under this AGREEMENT will be in writing. Notice will be sufficiently given for all purposes as follows:

- A. Personal delivery. When personally delivered to the recipient; notice is effective on delivery.
- B. First Class mail. When mailed first class to the last address of the recipient known to the party giving notice; notice is effective three mail delivery days after deposit in a United States Postal Service office or mailbox.
- C. Certified mail. When mailed certified mail, return receipt requested; notice is effective on receipt, if delivery is confirmed by a return receipt.
- D. Overnight delivery. When delivered by an overnight delivery service, charges prepaid or charged to the sender's account; notice is effective on delivery, if delivery is confirmed by the delivery service.
- E. Facsimile transmission. When sent by fax to the last fax number of the recipient known to the party giving notice; notice is effective on receipt. Any notice given by fax will be deemed received on the next business day if it is received after 5:00 p.m. (recipient's time) or on a non-business day.

Addresses for purpose of giving notice are as set forth immediately following the signatures of the parties executing this AGREEMENT.

- F. Any correctly addressed notice that is refused, unclaimed, or undeliverable because of an act or omission of the party to be notified, will be deemed effective as of the first date the notice was refused, unclaimed or deemed undeliverable by the postal authorities, messenger or overnight delivery service.
- G. Either party may change its address or fax number by giving the other party notice of the change in any manner permitted by this AGREEMENT. Any change in address or fax number that is not provided to the other party will not void delivery of any notice under this AGREEMENT, and delivery to the last known address or fax number shall be deemed sufficient for notice under this AGREEMENT.

XIX. PROHIBITION AGAINST ASSIGNMENT AND SUBCONTRACTING

This AGREEMENT and all exhibits are binding on the heirs, successors, and assigns of the parties. The AGREEMENT may not be assigned or subcontracted by either CITY or VENDOR without the prior written consent of the other.

XX. INTERPRETATION

The terms of this AGREEMENT shall be construed in accordance with the meaning of the language used and shall not be construed for or against either party by reason of the authorship of this AGREEMENT or any other rule of construction that might otherwise apply.

XXI. SEVERABILITY

If any part of this AGREEMENT is found to be in conflict with applicable laws, that part will be inoperative, null and void insofar as it is in conflict with any applicable laws, but the remainder of the AGREEMENT will remain in full force and effect.

XXII. TIME OF ESSENCE

Time is of the essence in the performance of this AGREEMENT.

XXIII. GOVERNING LAW; JURISDICTION

This AGREEMENT will be administered and interpreted under the laws of the State of California. Jurisdiction of and venue for any litigation arising from the AGREEMENT will be in the Superior Court of the San Luis Obispo County, or in the United States District Court for the Central District of California.

XXIV. COMPLIANCE WITH STATUTES AND REGULATIONS

VENDOR will be knowledgeable of and will comply with all applicable federal, state, county and city statutes, rules, regulations, ordinances and orders. VENDOR and its subcontractor(s) shall not discriminate against any person in the performance of this AGREEMENT on the basis of race, religion, national origin, color, age, sex, sexual orientation, AIDS, HIV status, disability, or any other basis protected by state or federal law, and shall comply with applicable federal and state equal employment opportunity laws, ordinances, rules and regulations.

XXV. WAIVER OF BREACH

No delay or omission in the exercise of any right or remedy by a nondefaulting party on any default will impair the right or remedy or be construed as a waiver. A party's consent or approval of any act by the other party requiring the party's consent or approval will not be deemed to waive or render unnecessary the other party's consent to or approval of any subsequent act. Any waiver by either party of any default must be in writing and will not be a waiver of any other default concerning the same or any other provision of this AGREEMENT.

XXVI. ATTORNEY'S FEES

Except as provided for in paragraph XV, in any dispute, litigation, arbitration, or other proceeding by which one party either seeks to enforce its rights under this AGREEMENT (whether in contract, tort or both) or seeks a declaration of any rights or obligations under this AGREEMENT, the prevailing party

will be awarded reasonable attorney's fees, together with any costs and expenses, to resolve the dispute and to enforce any judgment, including post judgment attorney's fees costs and expenses and any attorneys' fees or costs incurred on appeal of any judgment.

XXVII. EXHIBITS

All exhibits identified in this AGREEMENT are incorporated into the AGREEMENT by this reference. In the event of any conflict between the terms of this AGREEMENT and the terms of an exhibit, the terms of this AGREEMENT shall control. Notwithstanding the foregoing sentence, the provisions of Section XIII of this AGREEMENT shall not be altered, amended, limited or otherwise affected in any manner by any language included in an exhibit to this AGREEMENT, even if such exhibit purports to affect the provisions of Section XIII.

XXVIII. VENDOR'S AUTHORITY TO EXECUTE

The persons executing this AGREEMENT on behalf of the VENDOR warrant that:

- A. the VENDOR is duly organized and existing under the appropriate State laws;
- B. they are duly authorized to execute this AGREEMENT on behalf of the VENDOR;
- C. by so executing this AGREEMENT, the VENDOR is formally bound to the provisions of this AGREEMENT; and
- D. entering into this AGREEMENT does not violate any provision of any other AGREEMENT to which the VENDOR is bound.

XXIX. INTEGRATION; AMENDMENT

This AGREEMENT represents the entire understanding of CITY and VENDOR as to those matters contained in it. No prior oral or written understanding will be of any force or effect with respect to the terms of this AGREEMENT. The AGREEMENT may not be modified or altered except in writing signed by both parties.

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed the day and year last written below.

Signatures begin on next page.

CITY:
City of Pismo Beach, a Municipal Corporation

Signed: _____

Name: DH Name

Title: Title

Dated: _____

Signed: _____

Name: James R. Lewis

Title: City Manager

Dated: _____

Address for giving notice (See Section XVIII):
760 Mattie Road, Pismo Beach, CA 93449

ATTEST:

Signed: _____

Name: Erica Inderlied

Title: City Clerk

APPROVED AS TO FORM:

Signed: _____

Name: David M. Fleishman

Title: City Attorney

Attachments:

Exhibit A: Scope of Service

Exhibit B: Compensation Schedule

VENDOR:
Vendor Name

Signed: _____

Name: _____

Title: _____

Dated: _____

Address for giving notice (See Section XVIII):

Email address for official communications:

Vendor Representative (See Section VIII):

Name/Title: _____

AGREEMENT FOR CONSULTANT SERVICES

THIS AGREEMENT FOR CONSULTANT SERVICES (“Agreement”), is made and effective as of _____ 2021, between _____ (“Consultant”), and the **CITY OF ARROYO GRANDE**, a Municipal Corporation (“City”). In consideration of the mutual covenants and conditions set forth herein, the parties agree as follows:

1. TERM

This Agreement shall commence on _____, 2021 and shall remain and continue in effect until _____, 2026, unless sooner terminated pursuant to the provisions of this Agreement.

2. SERVICES

Consultant shall perform the tasks described and comply with all terms and provisions set forth in Exhibit “A”, attached hereto and incorporated herein by this reference.

3. PERFORMANCE

Consultant shall at all times faithfully, competently and to the best of his/her ability, experience and talent, perform all tasks described herein. Consultant shall employ, at a minimum generally accepted standards and practices utilized by persons engaged in providing similar services as are required of Consultant hereunder in meeting its obligations under this Agreement.

4. AGREEMENT ADMINISTRATION

City’s _____ shall represent City in all matters pertaining to the administration of this Agreement. _____ shall represent Consultant in all matters pertaining to the administration of this Agreement.

5. PAYMENT

The City agrees to pay the Consultant in accordance with the payment rates and terms set forth in Exhibit “B”, attached hereto and incorporated herein by this reference.

6. SUSPENSION OR TERMINATION OF AGREEMENT WITHOUT CAUSE

(a) The City may at any time, for any reason, with or without cause, suspend or terminate this Agreement, or any portion hereof, by serving upon the Consultant at least ten (10) days prior written notice. Upon receipt of said notice, the Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. If the City suspends or terminates a portion of this Agreement such suspension or termination shall not make void or invalidate the remainder of this Agreement.

(b) In the event this Agreement is terminated pursuant to this Section, the City shall pay to Consultant the actual value of the work performed up to the time of termination, provided that the work performed is of value to the City. Upon termination of the Agreement pursuant to this Section, the Consultant will submit an invoice to the City pursuant to Section 5.

7. TERMINATION ON OCCURRENCE OF STATED EVENTS

This Agreement shall terminate automatically on the occurrence of any of the following events:

- (a) Bankruptcy or insolvency of any party;
- (b) Sale of Consultant's business; or
- (c) Assignment of this Agreement by Consultant without the consent of City.
- (d) End of the Agreement term specified in Section 1.

8. DEFAULT OF CONSULTANT

(a) The Consultant's failure to comply with the provisions of this Agreement shall constitute a default. In the event that Consultant is in default for cause under the terms of this Agreement, City shall have no obligation or duty to continue compensating Consultant for any work performed after the date of default and can terminate this Agreement immediately by written notice to the Consultant. If such failure by the Consultant to make progress in the performance of work hereunder arises out of causes beyond the Consultant's control, and without fault or negligence of the Consultant, it shall not be considered a default.

(b) If the City Manager or his/her delegate determines that the Consultant is in default in the performance of any of the terms or conditions of this Agreement, he/she shall cause to be served upon the Consultant a written notice of the default. The Consultant shall have ten (10) days after service upon it of said notice in which to cure the default by rendering a satisfactory performance. In the event that the Consultant fails to cure its default within such period of time, the City shall have the right, notwithstanding any other provision of this Agreement to terminate this Agreement without further notice and without prejudice to any other remedy to which it may be entitled at law, in equity or under this Agreement.

9. LAWS TO BE OBSERVED. Consultant shall:

(a) Procure all permits and licenses, pay all charges and fees, and give all notices which may be necessary and incidental to the due and lawful prosecution of the services to be performed by Consultant under this Agreement;

(b) Keep itself fully informed of all existing and proposed federal, state and local laws, ordinances, regulations, orders, and decrees which may affect those engaged or employed under this Agreement, any materials used in Consultant's performance under this Agreement, or the conduct of the services under this Agreement;

(c) At all times observe and comply with, and cause all of its employees to observe and comply with all of said laws, ordinances, regulations, orders, and decrees mentioned above;

(d) Immediately report to the City's Contract Manager in writing any discrepancy or inconsistency it discovers in said laws, ordinances, regulations, orders, and decrees mentioned above in relation to any plans, drawings, specifications, or provisions of this Agreement.

(e) The City, and its officers, agents and employees, shall not be liable at law or in equity occasioned by failure of the Consultant to comply with this Section.

10. OWNERSHIP OF DOCUMENTS

(a) Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by City that relate to the performance of services under this Agreement. Consultant shall maintain adequate records of services provided in sufficient detail to permit an evaluation of services. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. Consultant shall provide free access to the representatives of City or its designees at reasonable times to such books and records; shall give City the right to examine and audit said books and records; shall permit City to make transcripts therefrom as necessary; and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement. Such records, together with supporting documents, shall be maintained for a period of three (3) years after receipt of final payment.

(b) Upon completion of, or in the event of termination or suspension of this Agreement, all original documents, designs, drawings, maps, models, computer files, surveys, notes, and other documents prepared in the course of providing the services to be performed pursuant to this Agreement shall become the sole property of the City and may be used, reused, or otherwise disposed of by the City without the permission of the Consultant. With respect to computer files, Consultant shall make available to the City, at the Consultant's office and upon reasonable written request by the City, the necessary computer software and hardware for purposes of accessing, compiling, transferring, and printing computer files.

11. INDEMNIFICATION

(a) Indemnification for Professional Liability. When the law establishes a professional standard of care for Consultant's Services, to the fullest extent permitted by law, Consultant shall indemnify, protect, defend and hold harmless City and any and all of its officials, employees and agents ("Indemnified Parties") from and against any and all losses, liabilities, damages, costs and expenses, including attorney's fees and costs to the extent same are caused in whole or in part by any negligent or wrongful act, error or omission of Consultant, its officers, agents, employees or subContractors or any entity or

individual that Consultant shall bear the legal liability thereof) in the performance of professional services under this agreement.

(b) Indemnification for Other Than Professional Liability. Other than in the performance of professional services and to the full extent permitted by law, Consultant shall indemnify, defend and hold harmless City, and any and all of its employees, officials and agents from and against any liability (including liability for claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, whether actual, alleged or threatened, including attorneys fees and costs, court costs, interest, defense costs, and expert witness fees), where the same arise out of, are a consequence of, or are in any way attributable to, in whole or in part, the performance of this Agreement by Consultant or by any individual or entity for which Consultant is legally liable, including but not limited to officers, agents, employees or subContractors of Consultant.

(c) General Indemnification Provisions. Consultant agrees to obtain executed indemnity agreements with provisions identical to those set forth here in this section from each and every subContractor or any other person or entity involved by, for, with or on behalf of Consultant in the performance of this agreement. In the event Consultant fails to obtain such indemnity obligations from others as required here, Consultant agrees to be fully responsible according to the terms of this section. Failure of City to monitor compliance with these requirements imposes no additional obligations on City and will in no way act as a waiver of any rights hereunder. This obligation to indemnify and defend City as set forth here is binding on the successors, assigns or heirs of Consultant and shall survive the termination of this agreement or this section.

(d) Indemnity Provisions for Contracts Related to Construction. Without affecting the rights of City under any provision of this Agreement, Consultant shall not be required to indemnify and hold harmless City for liability attributable to the active negligence of City, provided such active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction. In instances where City is shown to have been actively negligent and where City's active negligence accounts for only a percentage of the liability involved, the obligation of Consultant will be for that entire portion or percentage of liability not attributable to the active negligence of City.

12. INSURANCE

Consultant shall maintain prior to the beginning of and for the duration of this Agreement insurance coverage as specified in Exhibit "C" attached hereto and incorporated herein as though set forth in full.

13. INDEPENDENT CONSULTANT

(a) Consultant is and shall at all times remain as to the City a wholly independent Consultant. The personnel performing the services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Neither City nor any of its officers, employees, or agents shall have control over the conduct of

Consultant or any of Consultant's officers, employees, or agents, except as set forth in this Agreement. Consultant shall not at any time or in any manner represent that it or any of its officers, employees, or agents are in any manner officers, employees, or agents of the City. Consultant shall not incur or have the power to incur any debt, obligation, or liability whatever against City, or bind City in any manner.

(b) No employee benefits shall be available to Consultant in connection with performance of this Agreement. Except for the fees paid to Consultant as provided in the Agreement, City shall not pay salaries, wages, or other compensation to Consultant for performing services hereunder for City. City shall not be liable for compensation or indemnification to Consultant for injury or sickness arising out of performing services hereunder.

14. UNDUE INFLUENCE

Consultant declares and warrants that no undue influence or pressure was or is used against or in concert with any officer or employee of the City of Arroyo Grande in connection with the award, terms or implementation of this Agreement, including any method of coercion, confidential financial arrangement, or financial inducement. No officer or employee of the City of Arroyo Grande will receive compensation, directly or indirectly, from Consultant, or from any officer, employee or agent of Consultant, in connection with the award of this Agreement or any work to be conducted as a result of this Agreement. Violation of this Section shall be a material breach of this Agreement entitling the City to any and all remedies at law or in equity.

15. NO BENEFIT TO ARISE TO LOCAL EMPLOYEES

No member, officer, or employee of City, or their designees or agents, and no public official who exercises authority over or responsibilities with respect to the project during his/her tenure or for one year thereafter, shall have any interest, direct or indirect, in any agreement or sub-agreement, or the proceeds thereof, for work to be performed in connection with the project performed under this Agreement.

16. RELEASE OF INFORMATION/CONFLICTS OF INTEREST

(a) All information gained by Consultant in performance of this Agreement shall be considered confidential and shall not be released by Consultant without City's prior written authorization. Consultant, its officers, employees, agents, or subContractors, shall not without written authorization from the City Manager or unless requested by the City Attorney, voluntarily provide declarations, letters of support, testimony at depositions, response to interrogatories, or other information concerning the work performed under this Agreement or relating to any project or property located within the City. Response to a subpoena or court order shall not be considered "voluntary" provided Consultant gives City notice of such court order or subpoena.

(b) Consultant shall promptly notify City should Consultant, its officers, employees, agents, or subContractors be served with any summons, complaint, subpoena, notice of deposition, request for documents, interrogatories, request for admissions, or other discovery request, court order, or subpoena from any person or party regarding this Agreement and the work performed thereunder or with respect to any project or property located within the City. City retains the right, but has no obligation, to represent Consultant and/or be present at any deposition, hearing, or similar proceeding. Consultant agrees to cooperate fully with City and to provide the opportunity to review any response to discovery requests provided by Consultant. However, City’s right to review any such response does not imply or mean the right by City to control, direct, or rewrite said response.

17. NOTICES

Any notice which either party may desire to give to the other party under this Agreement must be in writing and may be given either by (i) personal service, (ii) delivery by a reputable document delivery service, such as but not limited to, Federal Express, which provides a receipt showing date and time of delivery, or (iii) mailing in the United States Mail, certified mail, postage prepaid, return receipt requested, addressed to the address of the party as set forth below or at any other address as that party may later designate by notice:

To City: City of Arroyo Grande
 City Clerk
 300 East Branch Street
 Arroyo Grande, CA 93420

To Consultant: _____

18. ASSIGNMENT

The Consultant shall not assign the performance of this Agreement, nor any part thereof, without the prior written consent of the City.

19. GOVERNING LAW

The City and Consultant understand and agree that the laws of the State of California shall govern the rights, obligations, duties, and liabilities of the parties to this Agreement and also govern the interpretation of this Agreement. Any litigation concerning this Agreement shall take place in the superior or federal district court with jurisdiction over the City of Arroyo Grande.

20. ENTIRE AGREEMENT

This Agreement contains the entire understanding between the parties relating to the obligations of the parties described in this Agreement. All prior or contemporaneous agreements, understandings, representations, and statements, or written, are merged into this Agreement and shall be of no further force or effect. Each party is entering into this Agreement based solely upon the representations set forth herein and upon each party's own independent investigation of any and all facts such party deems material.

21. TIME

City and Consultant agree that time is of the essence in this Agreement.

22. CONTENTS OF REQUEST FOR PROPOSAL AND PROPOSAL

Consultant is bound by the contents of the City's Request for Proposal, Exhibit "D", attached hereto and incorporated herein by this reference, and the contents of the proposal submitted by the Consultant, Exhibit "E", attached hereto and incorporated herein by this reference. In the event of conflict, the requirements of City's Request for Proposals and this Agreement shall take precedence over those contained in the Consultant's proposals.

23. CONSTRUCTION

The parties agree that each has had an opportunity to have their counsel review this Agreement and that any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in the interpretation of this Agreement or any amendments or exhibits thereto. The captions of the sections are for convenience and reference only, and are not intended to be construed to define or limit the provisions to which they relate.

24. AMENDMENTS

Amendments to this Agreement shall be in writing and shall be made only with the mutual written consent of all of the parties to this Agreement.

25. AUTHORITY TO EXECUTE THIS AGREEMENT

The person or persons executing this Agreement on behalf of Consultant warrants and represents that he/she has the authority to execute this Agreement on behalf of the Consultant and has the authority to bind Consultant to the performance of its obligations hereunder.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year first above written.

CITY OF ARROYO GRANDE

CONSULTANT

By: _____
Caren Ray Russom, Mayor

By: _____

Attest:

Its: _____
(Title)

Jessica Matson, City Clerk

Approved As To Form:

Timothy J. Carmel, City Attorney

EXHIBIT A
SCOPE OF WORK

EXHIBIT B
PAYMENT SCHEDULE

EXHIBIT C

INSURANCE REQUIREMENTS

Prior to the beginning of and throughout the duration of the Work, Consultant will maintain insurance in conformance with the requirements set forth below. Consultant will use existing coverage to comply with these requirements. If that existing coverage does not meet the requirements set forth here, Consultant agrees to amend, supplement or endorse the existing coverage to do so. Consultant acknowledges that the insurance coverage and policy limits set forth in this section constitute the minimum amount of coverage required. Any insurance proceeds available to City in excess of the limits and coverage required in this agreement and which is applicable to a given loss, will be available to City.

Consultant shall provide the following types and amounts of insurance:

Commercial General Liability Insurance using Insurance Services Office “Commercial General Liability” policy from CG 00 01 or the exact equivalent. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. Limits are subject to review but in no event less than \$1,000,000 per occurrence.

Business Auto Coverage on ISO Business Auto Coverage from CA 00 01 including symbol 1 (Any Auto) or the exact equivalent. Limits are subject to review, but in no event to be less than \$1,000,000 per accident. If Consultant owns no vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Consultant or Consultant’s employees will use personal autos in any way on this project, Consultant shall provide evidence of personal auto liability coverage for each such person.

Workers Compensation on a state-approved policy form providing statutory benefits as required by law with employer’s liability limits no less than \$1,000,000 per accident or disease.

Excess or Umbrella Liability Insurance (Over Primary) if used to meet limit requirements, shall provide coverage at least as broad as specified for the underlying coverages. Any such coverage provided under an umbrella liability policy shall include a drop down provision providing primary coverage above a maximum \$25,000 self-insured retention for liability not covered by primary but covered by the umbrella. Coverage shall be provided on a “pay on behalf” basis, with defense costs payable in addition to policy limits. Policy shall contain a provision obligating insurer at the time insured’s liability is determined, not requiring actual payment by the insured first. There shall be no cross liability exclusion precluding coverage for claims or suits by one insured against another. Coverage shall be applicable to City for injury to employees of Consultant, subContractors or others involved in the Work. The scope of coverage provided is subject to approval of

City following receipt of proof of insurance as required herein. Limits are subject to review but in no event less than \$1,000,000 per occurrence.

Professional Liability or Errors and Omissions Insurance as appropriate shall be written on a policy form coverage specifically designated to protect against acts, errors or omissions of the Consultant and "Covered Professional Services" as designated in the policy must specifically include work performed under this agreement. The policy limit shall be no less than \$1,000,000 per claim and in the aggregate. The policy must "pay on behalf of" the insured and must include a provision establishing the insurer's duty to defend. The policy retroactive date shall be on or before the effective date of this agreement.

Insurance procured pursuant to these requirements shall be written by insurer that are admitted carriers in the state California and with an A.M. Best's rating of A- or better and a minimum financial size VII.

General conditions pertaining to provision of insurance coverage by Consultant. Consultant and City agree to the following with respect to insurance provided by Consultant:

1. Consultant agrees to have its insurer endorse the third party general liability coverage required herein to include as additional insureds City, its officials employees and agents, using standard ISO endorsement No. CG 2010 with an edition prior to 1992. Consultant also agrees to require all Consultants, and subContractors to do likewise.

2. No liability insurance coverage provided to comply with this Agreement shall prohibit Consultant, or Consultant's employees, or agents, from waiving the right of subrogation prior to a loss. Consultant agrees to waive subrogation rights against City regardless of the applicability of any insurance proceeds, and to require all Consultants and subContractors to do likewise.

3. All insurance coverage and limits provided by Consultant and available or applicable to this agreement are intended to apply to the full extent of the policies. Nothing contained in this Agreement or any other agreement relating to the City or its operations limits the application of such insurance coverage.

4. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved of in writing.

5. No liability policy shall contain any provision or definition that would serve to eliminate so-called "third party action over" claims, including any exclusion for bodily injury to an employee of the insured or of any Consultant or subcontractor.

6. All coverage types and limits required are subject to approval, modification and additional requirements by the City, as the need arises. Consultant shall not make

any reductions in scope of coverage (e.g. elimination of contractual liability or reduction of discovery period) that may affect City's protection without City's prior written consent.

7. Proof of compliance with these insurance requirements, consisting of certificates of insurance evidencing all of the coverages required and an additional insured endorsement to Consultant's general liability policy, shall be delivered to City at or prior to the execution of this Agreement. In the event such proof of any insurance is not delivered as required, or in the event such insurance is canceled at any time and no replacement coverage is provided, City has the right, but not the duty, to obtain any insurance it deems necessary to protect its interests under this or any other agreement and to pay the premium. Any premium so paid by City shall be charged to and promptly paid by Consultant or deducted from sums due Consultant, at City option.

8. Certificate(s) are to reflect that the insurer will provide 30 days notice to City of any cancellation of coverage. Consultant agrees to require its insurer to modify such certificates to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, or that any party will "endeavor" (as opposed to being required) to comply with the requirements of the certificate.

9. It is acknowledged by the parties of this agreement that all insurance coverage required to be provided by Consultant or any subContractor, is intended to apply first and on a primary, noncontributing basis in relation to any other insurance or self insurance available to City.

10. Consultant agrees to ensure that subContractors, and any other party involved with the project who is brought onto or involved in the project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subContractors and others engaged in the project will be submitted to City for review.

11. Consultant agrees not to self-insure or to use any self-insured retentions or deductibles on any portion of the insurance required herein and further agrees that it will not allow any Consultant, subContractor, Architect, Engineer or other entity or person in any way involved in the performance of work on the project contemplated by this agreement to self-insure its obligations to City. If Consultant's existing coverage includes a deductible or self-insured retention, the deductible or self-insured retention must be declared to the City. At the time the City shall review options with the Consultant, which may include reduction or elimination of the deductible or self-insured retention, substitution of other coverage, or other solutions.

12. The City reserves the right at any time during the term of the contract to change the amounts and types of insurance required by giving the Consultant ninety (90) days advance written notice of such change. If such change results in substantial additional cost to the Consultant, the City will negotiate additional compensation proportional to the increase benefit to City.

13. For purposes of applying insurance coverage only, this Agreement will be deemed to have been executed immediately upon any party hereto taking any steps that can be deemed to be in furtherance of or towards performance of this Agreement.

14. Consultant acknowledges and agrees that any actual or alleged failure on the part of City to inform Consultant of non-compliance with any insurance requirements in no way imposes any additional obligations on City nor does it waive any rights hereunder in this or any other regard.

15. Consultant will renew the required coverage annually as long as City, or its employees or agents face an exposure from operations of any type pursuant to this agreement. This obligation applies whether or not the agreement is canceled or terminated for any reason. Termination of this obligation is not effective until City executes a written statement to that effect.

16. Consultant shall provide proof that policies of insurance required herein expiring during the term of this Agreement have been renewed or replaced with other policies providing at least the same coverage. Proof that such coverage has been ordered shall be submitted prior to expiration. A coverage binder or letter from Consultant's insurance agent to this effect is acceptable. A certificate of insurance and/or additional insured endorsement as required in these specifications applicable to the renewing or new coverage must be provided to City within five days of the expiration of the coverages.

17. The provisions of any workers' compensation or similar act will not limit the obligations of Consultant under this agreement. Consultant expressly agrees not to use any statutory immunity defenses under such laws with respect to City, its employees, officials and agents.

18. Requirements of specific coverage features or limits contained in this section are not intended as limitations on coverage, limits or other requirements nor as a waiver of any coverage normally provided by any given policy. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue, and is not intended by any party or insured to be limiting or all-inclusive.

19. These insurance requirements are intended to be separate and distinct from any other provision in this agreement and are intended by the parties here to be interpreted as such.

20. The requirements in this Section supersede all other sections and provisions of this Agreement to the extent that any other section or provision conflicts with or impairs the provisions of this Section.

21. Consultant agrees to be responsible for ensuring that no contract used by any party involved in any way with the project reserves the right to charge City or Consultant for the cost of additional insurance coverage required by this agreement. Any such provisions are to be deleted with reference to City. It is not the intent of City to reimburse any third party for the cost of complying with these requirements. There shall

be no recourse against City for payment of premiums or other amounts with respect thereto.

22. Consultant agrees to provide immediate notice to City of any claim or loss against Consultant arising out of the work performed under this agreement. City assumes no obligation or liability by such notice, but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve City.

EXHIBIT D

CITY'S REQUEST FOR PROPOSAL

EXHIBIT E
CONSULTANT'S PROPOSAL

**AGREEMENT
CITY OF GROVER BEACH, CALIFORNIA
SAMPLE**

THIS AGREEMENT is made and entered into effective the ___ day of ____, by and between the CITY OF GROVER BEACH, a California municipal corporation (hereinafter referred to as "**CITY**"), and _____ (hereinafter referred to as "**CONSULTANT**").

RECITALS

WHEREAS, **CITY** desires to obtain professional services to provide a _____ more specifically identified in the Proposal, Scope of Work and Fee Schedule, jointly attached as "**Exhibit A**" to this Agreement, herein referred to as the **PROJECT**; and

WHEREAS, **CONSULTANT** is engaged in the business of environmental engineering and hereby represents that it desires to and is professionally and legally capable of performing the services called for by this Agreement; and

WHEREAS, this Agreement sets forth the terms and conditions under which **CONSULTANT** shall provide professional services, to be paid by the City of Grover Beach; and

WHEREAS, this Agreement will be administered for **CITY** by the Director of Public Works, hereinafter referred to as **DIRECTOR** or his/her designee.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing and of the covenants, conditions, and promises hereinafter contained to be kept and performed by the respective parties, it is mutually agreed as follows:

ARTICLE I. SCOPE OF SERVICES

CONSULTANT shall complete said **PROJECT** described herein and more fully described in Exhibit A, and in accordance with local, State and Federal laws. This shall include all work incidental to, or necessary to perform, such services even though not specifically described in **Exhibit A**.

ARTICLE II. COMPENSATION AND PAYMENT

- A. **CONSULTANT'S** sole compensation for satisfactory performance of all services required or rendered pursuant to this Agreement shall be performed on a not to exceed basis of \$27,868.40.
- B. **CONSULTANT** shall invoice **CITY** on a monthly basis, via detailed statement, which will be processed and payable in the normal course of **CITY** business, typically within 30 days of receipt of an invoice unless otherwise identified in this Agreement.
- C. The parties may modify this Agreement to increase or decrease the scope of services or provide for the rendition of services not required by this Agreement, which modification shall include an adjustment to **CONSULTANT'S** compensation. Any change in the scope of services must be made by written Contract Amendment to the Agreement signed by an authorized representative for each

party. **CONSULTANT** shall not be entitled to any additional compensation if services are performed prior to a signed written Contract Amendment.

- D. At any time prior to issuance of final payment, the **CITY** may conduct a cost audit of **CONSULTANT'S** invoices/statements. Any payment may be reduced by amounts found by **CITY** not to constitute allowable costs and/or adjusted for prior overpayments or underpayments. Upon **CONSULTANT'S** compliance with all terms of this Agreement, City shall promptly pay any balance of allowable costs.

ARTICLE III. TERMINATION, REMEDIES, FORCE MAJEURE AND CONSOLIDATION OF DISPUTES

- A. This Agreement shall terminate without any liability of **CITY** to **CONSULTANT** upon the earlier of:
- (i) **CONSULTANT'S** filing for protection under the federal bankruptcy laws, or any bankruptcy petition or petition for receiver commenced by a third party against **CONSULTANT**;
 - (ii) Seven (7) calendar days written notice, with or without cause, by either the **CITY** or **CONSULTANT**;
 - (iii) Expiration of this Agreement.
- B. Upon any termination or expiration of this Agreement, **CONSULTANT** shall
- (i) Immediately stop all work hereunder;
 - (ii) Immediately cause any and all of its subcontractors to cease work; and
 - (iii) Return to **CITY** any and all unearned payments and all properties and materials in the possession of **CONSULTANT** that are owned by **CITY**. Subject to the terms of this Agreement, **CONSULTANT** shall be paid compensation for services satisfactorily performed prior to the effective date of termination. **CONSULTANT** shall not be paid for any work or services performed or costs incurred which reasonably could have been avoided.
- C. In the event of termination due to failure of **CONSULTANT** to satisfactorily perform in accordance with the terms of this Agreement, **CITY** may withhold an amount that would otherwise be payable as an offset to, but not in excess of, **CITY'S** damages caused by such failure. In no event shall any payment by **CITY** pursuant to this Agreement constitute a waiver by **CITY** of any breach of this Agreement which may then exist on the part of **CONSULTANT**, nor shall such payment impair or prejudice any remedy available to **CITY** with respect to the breach.
- D. Upon any breach of this Agreement by **CONSULTANT**, **CITY** may:
- (i) Exercise any right, remedy (in contract, law or equity), or privilege which may be available to it under applicable laws of the State of California or any other applicable law;
 - (ii) Proceed by appropriate court action to enforce the terms of the Agreement; and/or
 - (iii) Recover all direct, indirect, consequential, economic and incidental damages for the breach of the Agreement. If it is determined that **CITY** improperly terminated this Agreement for default, such termination shall be deemed a termination for convenience.
- E. **CONSULTANT** shall provide **CITY** with adequate written assurances of future performance, upon the request of the Director or his/her designee, in the event **CONSULTANT** fails to comply with any terms or conditions of this Agreement.
- F. **CONSULTANT** shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of **CONSULTANT** and without its negligence such as, acts of God or the public enemy, acts of **CITY** in its contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. **CONSULTANT** shall notify the Director or

his/her designee in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, and shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Director or his/her designee of the cessation of such occurrence.

- G. **CONSULTANT** agrees that, notwithstanding any contrary provision in this Agreement, any dispute arising from or relating to this Agreement (including, without limitation, disputes based on contract, tort, equity or statute) may, at **CITY'S** option, be joined and consolidated with any other dispute or disputes arising from or relating to the **PROJECT** so that all disputes arising from or relating to the **PROJECT** may be resolved in a single proceeding. **CONSULTANT** hereby specifically waives any objection it may otherwise have to such joinder and consolidation and specifically consents to mediation, arbitration or any other dispute resolution mechanism, forum or proceeding necessary to effectuate the joinder and consolidation contemplated by this provision.

ARTICLE IV. CONFIDENTIAL INFORMATION, OWNERSHIP OF DOCUMENTS AND COPYRIGHT LICENSE

- A. Any reports, information, or other data prepared or assembled by **CONSULTANT** pursuant to this Agreement shall not be made available to any individual or organization by **CONSULTANT** without the prior written approval of **CITY**. During the term of this Agreement, and thereafter, **CONSULTANT** shall not, without the prior written consent of **CITY**, disclose to anyone any Confidential Information. The term Confidential Information for the purposes of this Agreement shall include all proprietary and confidential information of **CITY**, including but not limited to business plans, marketing plans, financial information, designs, drawings, specifications, materials, compilations, documents, instruments, models, source or object codes and other information developed pursuant to this Agreement, disclosed or submitted, orally, in writing, or by any other medium or media, (otherwise referred to as "work"). All Confidential Information shall be and remain confidential and proprietary in **CITY**.
- B. **CONSULTANT** shall not reproduce (such as photographs and prints), duplicate, distribute reproductions, or incorporate into any trademark or service mark, the work without the prior written consent of **CITY**. Any rights of the **CONSULTANT** in the work terminate upon the death of such **CONSULTANT** and do not extend to such **CONSULTANT'S** heirs, successors or assigns.
- C. Title to the work shall pass to **CITY** upon final acceptance by **CITY**. **CITY** reserves the right to donate, transfer or sell the work or any portion thereof. **CITY** shall have the exclusive right to publicly display the work and shall have a license to reproduce (such as photographs and prints) or create three-dimensional reproductions of the work for any noncommercial purpose (including, but not limited to, books, slides, postcards, film, Internet sites, reproductions for advertising, and other media). Prior to public display, the **CITY** shall consider the sensitive nature and potential security risk of releasing the information to the general public. Such reproductions shall contain if legally necessary a copyright notice. Reproductions for commercial purposes are only to be made with the mutual written consent of **CONSULTANT** and **CITY**. All references and reproductions or adaptations of the work will credit the work to the **CONSULTANT** unless **CONSULTANT** requests to the contrary. **CITY** reserves the right to modify, remove and/or relocate the work at any time, and after consultation with **CONSULTANT**, shall have the right to determine when and if modifications, repairs and/or restorations are needed. If City makes modifications, repairs or restoration not approved by the **CONSULTANT**, the **CONSULTANT** shall have the right to sever its association with the work. **CONSULTANT** agrees to give **CITY** written notice prior to asserting any claim pertaining to the work, and **CITY** shall have not less than 90 days from the date of receipt of claim to cure any such claim. **CITY** may incorporate the work into any trademark or service mark to be utilized by City to register the same in accordance with Federal, state or local law.

- D. If **CONSULTANT** should subcontract all or any portion of the services to be performed under this Agreement, **CONSULTANT** shall cause each subcontractor to also comply with the requirements of this Article (IV).

This Article (IV) shall survive expiration or termination of this Agreement.

ARTICLE V. PROFESSIONAL SKILL

It is further mutually understood and agreed by and between the parties hereto that inasmuch as **CONSULTANT** represents to **CITY** that **CONSULTANT** and its subcontractors, if any, are skilled in the profession and shall perform in accordance with the standards of said profession necessary to perform the services agreed to be done by it under this Agreement, (the "Standard of Care") and **CITY** relies upon the skill of **CONSULTANT** and any subcontractors to do and perform such services consistent with the Standard of Care and **CONSULTANT** agrees to thus perform the services and require the same of any subcontractors. Therefore, any acceptance of such services by **CITY** shall not operate as a release of **CONSULTANT** or any subcontractors from said professional standards.

ARTICLE VI. INDEMNIFICATION AND DEFENSE

- A. **Indemnification and Defense for Professional Services:** To the fullest extent permitted by law, **CONSULTANT** shall indemnify, defend and hold harmless **CITY** and any and all of its officers, officials, employees, agents and volunteers ("Indemnified Parties") from and against any and all claims, losses, liabilities, damages, costs and expenses, including legal counsel's fees and costs, to the extent they arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the **CONSULTANT**. **CONSULTANT'S** duty to defend shall consist of reimbursement of defense costs incurred by **CITY** in direct proportion to the **CONSULTANT'S** proportionate percentage of fault. **CONSULTANT'S** percentage of fault shall be determined, as applicable, by a court of law, jury or arbitrator. In the event any loss, liability or damage is incurred by way of settlement or resolution without a court, jury or arbitrator having made a determination of the **CONSULTANT'S** percentage of fault, the parties agree to mediation with a third party neutral to determine the **CONSULTANT'S** proportionate percentage of fault for purposes of determining the amount of indemnity and defense cost reimbursement owed to the **CITY**.
- B. **For All Other Liabilities:** Notwithstanding the foregoing and without diminishing any rights of **CITY** under this Article (V), for any liability, claim, demand, allegation against **CITY** arising out of, related to, or pertaining to any act or omission of **CONSULTANT**, but which is not a design professional service, **CONSULTANT** shall defend, indemnify, and hold harmless **CITY**, its officials, employees, and agents ("Indemnified Parties") from and against any and all damages, costs, expenses (including reasonable attorney fees and expert witness fees), judgments, settlements, and/or arbitration awards, whether for personal or bodily injury, property damage, or economic injury, and arising out of, related to, any concurrent or contributory negligence on the part of the **CITY**, except for the sole or active negligence of, or willful misconduct of the **CITY**.
- C. If **CONSULTANT** should subcontract all or any portion of the services to be performed under this Agreement, **CONSULTANT** shall require each subcontractor to indemnify, hold harmless and defend **CITY** and each of its officers, officials, employees, agents and volunteers in accordance with the terms of the preceding paragraph.

This Article (VI) shall survive termination or expiration of this Agreement.

ARTICLE VII. INSURANCE

- A. Throughout the life of this Agreement, **CONSULTANT** shall pay for and maintain in full force and effect all insurance as required in **Exhibit B**, which is incorporated into and part of this Agreement, with an insurance company(ies) either:
- (i) Admitted by the California Insurance Commissioner to do business in the State of California and rated no less than "A-VII" in the Best's Insurance Rating Guide; or
 - (ii) As may be authorized in writing by **CITY'S** Administrative Services Director, or his/her successor, or his/her designee at any time and in his/her sole discretion. The required policies of insurance as stated in **Exhibit B** shall maintain limits of liability of not less than those amounts stated therein.
- B. If at any time during the life of the Agreement or any extension, **CONSULTANT** or any of its subcontractors/sub-consultants fail to maintain any required insurance in full force and effect, all services and work under this Agreement shall be discontinued immediately, and all payments due or that become due to **CONSULTANT** shall be withheld until notice is received by **CITY** that the required insurance has been restored to full force and effect and that the premiums therefore have been paid for a period satisfactory to **CITY**. Any failure to maintain the required insurance shall be sufficient cause for **CITY** to terminate this Agreement. No action taken by **CITY** pursuant to this Article (VII) shall in any way relieve **CONSULTANT** of its responsibilities under this Agreement. The phrase "fail to maintain any required insurance" shall include, without limitation, notification received by **CITY** that an insurer has commenced proceedings, or has had proceedings commenced against it, indicating that the insurer is insolvent.
- C. The fact that insurance is obtained by **CONSULTANT** shall not be deemed to release or diminish the liability of **CONSULTANT**, including, without limitation, liability under the indemnity provisions of this Agreement. The duty to indemnify **CITY** shall apply to all claims and liability regardless of whether any insurance policies are applicable. The policy limits do not act as a limitation upon the amount of indemnification to be provided by **CONSULTANT**. Approval or purchase of any insurance contracts or policies shall in no way relieve from liability nor limit the liability of **CONSULTANT**, its principals, officers, agents, employees, persons under the supervision of **CONSULTANT**, vendors, suppliers, invitees, consultants, sub-consultants, subcontractors, or anyone employed directly or indirectly by any of them.
- D. If **CONSULTANT** should subcontract all or any portion of the services to be performed under this Agreement, **CONSULTANT** shall require each subcontractor/sub-consultant to provide insurance protection, as an additional insured, to the **CITY** and each of its officers, officials, employees, agents and volunteers in accordance with the terms of this section, except that any required certificates and applicable endorsements shall be on file with **CONSULTANT** and **CITY** prior to the commencement of any services by the subcontractor. **CONSULTANT** and any subcontractor/sub-consultant shall establish additional insured status for **CITY**, its officers, officials, employees, agents and volunteers.

ARTICLE VIII. CONFLICT OF INTEREST AND NON-SOLICITATION

- A. Prior to **CITY'S** execution of this Agreement, **CONSULTANT** shall complete a City of Grover Beach Conflict of Interest Disclosure Statement in the form as set forth in **Exhibit C**. During the term of this Agreement, **CONSULTANT** shall have the obligation and duty to immediately notify **CITY** in writing of any change to the information provided by **CONSULTANT** in such statement.

- B. **CONSULTANT** shall comply, and require its subcontractors to comply, with all applicable
- (i) Professional canons and requirements governing avoidance of impermissible client conflicts; and
 - (ii) Federal, state and local conflict of interest laws and regulations including, without limitation, California Government Code Section 1090 et. seq., the California Political Reform Act (California Government Code Section 87100 et. seq.), and the regulations of the Fair Political Practices Commission concerning disclosure and disqualification (2 California Code of Regulations Section 18700 et. seq.).

At any time, upon written request of **CITY**, **CONSULTANT** shall provide a written opinion of its legal counsel and that of any subcontractor that, after a due diligent inquiry, **CONSULTANT** and the respective subcontractor(s) are in full compliance with all laws and regulations. **CONSULTANT** shall take, and require its subcontractors to take, reasonable steps to avoid any appearance of a conflict of interest. Upon discovery of any facts giving rise to the appearance of a conflict of interest, **CONSULTANT** shall immediately notify **CITY** of these facts in writing.

- C. In performing the work or services to be provided hereunder, **CONSULTANT** shall not employ or retain the services of any person while such person either is employed by **CITY** or is a member of any **CITY** council, commission, board, committee, or similar **CITY** body. This requirement may be waived in writing by the City Manager, if no actual or potential conflict is involved.
- D. **CONSULTANT** represents and warrants that it has not paid or agreed to pay any compensation, contingent or otherwise, direct or indirect, to solicit or procure this Agreement or any rights/benefits hereunder.
- E. Neither **CONSULTANT**, nor any of **CONSULTANT'S** subcontractors performing any services on this Project, shall bid for, assist anyone in the preparation of a bid for, or perform any services pursuant to, any other contract in connection with this Project. **CONSULTANT** and any of its subcontractors shall have no interest, direct or indirect, in any other contract with a third party in connection with this Project unless such interest is in accordance with all applicable law and fully disclosed to and approved by the City Manager, in advance and in writing.
- F. If **CONSULTANT** should subcontract all or any portion of the work to be performed or services to be provided under this Agreement, **CONSULTANT** shall include the provisions of this Article in each subcontract and require its subcontractors to comply therewith.

This Article (VIII) shall survive termination or expiration of this Agreement.

ARTICLE IX. GENERAL TERMS

- A. Except as otherwise provided by law, all notices expressly required of **CITY** within the body of this Agreement, and not otherwise specifically provided for, shall be effective only if signed by the Director or his/her designee.

- B. Records of **CONSULTANT'S** expenses pertaining to the Project shall be kept on a generally recognized accounting basis and shall be available to **CITY** or its authorized representatives upon request during regular business hours throughout the life of this Agreement and for a period of three years after final payment or, if longer, for any period required by law. In addition, all books, documents, papers, and records of **CONSULTANT** pertaining to the Project shall be available for the purpose of making audits, examinations, excerpts, and transcriptions for the same period of time. If any litigation, claim, negotiations, audit or other action is commenced before the expiration of said time period, all records shall be retained and made available to **CITY** until such action is resolved, or until the end of said time period whichever shall later occur. If **CONSULTANT** should subcontract all or any portion of the services to be performed under this Agreement, **CONSULTANT** shall cause each subcontractor to also comply with the requirements of this paragraph. This Article 10(B) shall survive expiration or termination of this Agreement.
- C. Prior to execution of this Agreement by **CITY**, **CONSULTANT** shall have provided evidence to **CITY** that **CONSULTANT** is licensed to perform the services called for by this Agreement (or that no license is required). **CONSULTANT** and any subcontractors shall agree to obtain any local licensing or certifications necessary to perform services within the City, including but not limited to City Business Tax Certificates. If **CONSULTANT** should subcontract all or any portion of the work or services to be performed under this Agreement, **CONSULTANT** shall require each subcontractor to provide evidence to **CITY** that subcontractor is licensed to perform the services called for by this Agreement (or that no license is required) before beginning work.

ARTICLE X. NONDISCRIMINATION

To the extent required by controlling federal, state and local law, **CONSULTANT** shall not employ discriminatory practices in the provision of services, employment of personnel, or in any other respect on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, ethnicity, status as a disabled veteran or veteran of the Vietnam era. Subject to the foregoing and during the performance of this Agreement, **CONSULTANT** agrees as follows:

- A. **CONSULTANT** will comply with all applicable laws and regulations providing that no person shall, on the grounds of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, status as a disabled veteran or veteran of the Vietnam era be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity made possible by or resulting from this Agreement.
- B. **CONSULTANT** will not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, gender identification, status as a disabled veteran or veteran of the Vietnam era. **CONSULTANT** shall ensure that applicants are employed, and the employees are treated during employment, without regard to their race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, gender identification, status as a disabled veteran or veteran of the Vietnam era. Such requirement shall apply to **CONSULTANT'S** employment practices including, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. **CONSULTANT** agrees to post in

conspicuous places, available to employees and applicants for employment, notices setting forth the provision of this nondiscrimination clause.

- C. **CONSULTANT** will, in all solicitations or advertisements for employees placed by or on behalf of **CONSULTANT** in pursuit hereof, state that all qualified applicants will receive consideration for employment without regard to race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sex, age, sexual orientation, ethnicity, status as a disabled veteran or veteran of the Vietnam era.
- D. **CONSULTANT** will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice advising such labor union or workers' representatives of **CONSULTANT'S** commitment under this section and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- E. If **CONSULTANT** should subcontract all or any portion of the services to be performed under this Agreement, **CONSULTANT** shall cause each subcontractor to also comply with the requirements of this Article (X).

ARTICLE XI. INDEPENDENT CONTRACTOR

- A. In the furnishing of the services provided for herein, **CONSULTANT** is acting solely as an independent contractor. Neither **CONSULTANT**, nor any of its officers, agents or employees shall be deemed an officer, agent, employee, joint venture, partner or associate of **CITY** for any purpose. **CITY** shall have no right to control or supervise or direct the manner or method by which **CONSULTANT** shall perform its work and functions. However, **CITY** shall retain the right to administer this Agreement so as to verify that **CONSULTANT** is performing its obligations in accordance with the terms and conditions thereof.
- B. This Agreement is not evidence of a partnership or joint venture between **CONSULTANT** and **CITY**. **CONSULTANT** shall have no authority to bind **CITY** absent **CITY'S** express written consent. Except to the extent otherwise provided in this Agreement, **CONSULTANT** shall bear its own costs and expenses in pursuit thereof.
- C. Because of its status as an independent contractor, **CONSULTANT** and its officers, agents and employees shall have absolutely no right to employment rights and benefits available to **CITY** employees. **CONSULTANT** shall be solely liable and responsible for all payroll and tax withholding and for providing to, or on behalf of, its employees all employee benefits including, without limitation, health, welfare and retirement benefits. In addition, together with its other obligations under this Agreement, **CONSULTANT** shall be solely responsible, indemnify, defend and save **CITY** harmless from all matters relating to employment and tax withholding for and payment of **CONSULTANT'S** employees, including, without limitation:
 - (i) Compliance with Social Security and unemployment insurance withholding, payment of workers' compensation benefits, and all other laws and regulations governing matters of employee withholding, taxes and payment; and
 - (ii) Any claim of right or interest in **CITY** employment benefits, entitlements, programs and/or funds offered employees of **CITY** whether arising by reason of any common law, de facto, leased, or co-employee rights or other theory. It is acknowledged that during the term of this Agreement, **CONSULTANT** may be providing services to others unrelated to **CITY** or to this Agreement.

ARTICLE XII. NOTICES

All notices, including notices of address changes, required to be sent hereunder shall be in writing and shall be deemed to have been given when mailed to the addresses listed below:

- A. **CITY:** City of Grover Beach, Gregory Ray, Public Works Director, 154 South Eighth Street, Grover Beach, CA 93433
- B. **CONSULTANT:** Water Systems Consulting, Inc., Daniel Heimel, PE, Vice President, 805 Aerovista Place, Suite 201, San Luis Obispo, CA 93401

ARTICLE XIII. BINDING

Subject to Article XII, below, once this Agreement is signed by all parties, it shall be binding upon, and shall inure to the benefit of, all parties, and each parties' respective heirs, successors, assigns, transferees, agents, servants, employees and representatives.

ARTICLE XIV. ASSIGNMENT

- A. This Agreement is personal to **CONSULTANT** and there shall be no assignment by **CONSULTANT** of its rights or obligations under this Agreement without the prior written approval of the Grover Beach City Council. Any attempted assignment by **CONSULTANT**, its successors or assigns, shall be null and void unless approved by the Grover Beach City Council.
- B. **CONSULTANT** hereby agrees not to assign the payment of any monies due **CONSULTANT** from **CITY** under the terms of this Agreement to any other individual(s), corporation(s) or entity(ies). **CITY** retains the right to pay any and all monies due **CONSULTANT** directly to **CONSULTANT**.

ARTICLE XV. COMPLIANCE THE LAW

In providing the services required under this Agreement, **CONSULTANT** shall at all times exercise the Standard of Care to comply with all applicable laws of the United States, the State of California and **CITY**, and with all applicable regulations promulgated by federal, state, regional, or local administrative and regulatory agencies, now in force and as they may be enacted, issued, or amended during the term of this Agreement.

ARTICLE XVI. WAIVER

The waiver by either party of a breach by the other of any provision of this Agreement shall not constitute a continuing waiver or a waiver of any subsequent breach of either the same or a different provision of this Agreement. No provisions of this Agreement may be waived unless in writing and signed by all parties to this Agreement. Waiver of any one provision herein shall not be deemed to be a waiver of any other provision herein.

ARTICLE XVII. GOVERNING LAW AND VENUE

This Agreement shall be governed by, and construed and enforced in accordance with, the laws of the State of California, excluding, however, any conflict of laws rule which would apply the law of another jurisdiction. Venue for purposes of the filing of any action regarding the enforcement or interpretation of this Agreement and any rights and duties hereunder shall be San Luis Obispo County, California.

ARTICLE XVIII. HEADINGS

The section headings in this Agreement are for convenience and reference only and shall not be construed or held in any way to explain, modify or add to the interpretation or meaning of the provisions of this Agreement.

ARTICLE XIX. SEVERABILITY

The provisions of this Agreement are severable. The invalidity, or unenforceability of any one provision in this Agreement shall not affect the other provisions.

ARTICLE XX. INTERPRETATION

The parties acknowledge that this Agreement in its final form is the result of the combined efforts of the parties and that, should any provision of this Agreement be found to be ambiguous in any way, such ambiguity shall not be resolved by construing this Agreement in favor of or against either party, but rather by construing the terms in accordance with their generally accepted meaning.

ARTICLE XXI. ATTORNEY'S FEES

If either party is required to commence any proceeding or legal action to enforce or interpret any term, covenant or condition of this Agreement, the prevailing party in such proceeding or action shall be entitled to recover from the other party its reasonable attorney's fees and legal expenses.

ARTICLE XXII. EXHIBITS

Each exhibit and attachment referenced in this Agreement is, by the reference, incorporated into and made a part of this Agreement

ARTICLE XXIII. PRECEDENCE OF DOCUMENTS

In the event of any conflict between the body of this Agreement and any Exhibit or Attachment hereto, the terms and conditions of the body of this Agreement shall control and take precedence over the terms and conditions expressed within the Exhibit or Attachment. Furthermore, any terms or conditions contained within any Exhibit or Attachment hereto which purport to modify the allocation of risk between the parties, provided for within the body of this Agreement, shall be null and void.

ARTICLE XXIV. CUMULATIVE REMEDIES

No remedy or election hereunder shall be deemed exclusive but shall, wherever possible, be cumulative with all other remedies at law or in equity.

ARTICLE XXV. NO THIRD-PARTY BENEFICIARIES

The rights, interests, duties and obligations defined within this Agreement are intended for the specific parties hereto as identified in the preamble of this Agreement. Notwithstanding anything stated to the contrary in this Agreement, it is not intended that any rights or interests in this Agreement benefit or flow to the interest of any third parties.

ARTICLE XXVI. EXTENT OF AGREEMENT

Each party acknowledges that they have read and fully understand the contents of this Agreement and any documents issued that resulted in selection of **CONSULTANT** for entry into this Agreement. This Agreement represents the entire and integrated agreement between the parties with respect to the subject matter hereof and supersede all prior negotiations, representations or agreements, either written or oral. This Agreement may be modified only by written instrument duly authorized and executed by both **CITY** and **CONSULTANT**.

AGREEMENT SIGNATURES

**CITY OF GROVER BEACH, CALIFORNIA
SAMPLE**

IN WITNESS WHEREOF, the parties hereto have entered into this Agreement effective as of the day and year first written above.

CITY OF GROVER BEACH

Matthew Bronson, City Manager

Date

Attest:

Wendi Sims, City Clerk

Date

Approved as to Form:

David P. Hale, City Attorney

Date

Consultant

Date

Attachments:

1. Exhibit A - Scope of Services and Fee Schedule
2. Exhibit B - Insurance Requirements
3. Exhibit C - Disclosure of Conflict of Interest

CONSULTANT SCOPE OF WORK AND FEE SCHEDULE



INSURANCE REQUIREMENTS

Without limiting **CONSULTANT'S** indemnification of **CITY**, and prior to commencement of Work, **CONSULTANT** shall obtain, provide and maintain at its own expense during the term of this Agreement, policies of insurance of the type and amounts described below and in a form satisfactory to **CITY**.

General liability insurance. **CONSULTANT** shall maintain commercial general liability insurance with coverage at least as broad as Insurance Services Office form CG 00 01, in an amount not less than \$1,000,000 per occurrence, \$2,000,000 general aggregate, for bodily injury, personal injury, and property damage. The policy must include contractual liability that has not been amended. Any endorsement restricting standard ISO "insured contract" language will not be accepted.

Automobile liability insurance. **CONSULTANT** shall maintain automobile insurance at least as broad as Insurance Services Office form CA 00 01 covering bodily injury and property damage for all activities of the **CONSULTANT** arising out of or in connection with Work to be performed under this Agreement, including coverage for any owned, hired, non-owned or rented vehicles, in an amount not less than \$1,000,000 combined single limit for each accident.

Professional liability (errors & omissions) insurance. **CONSULTANT** shall maintain professional liability insurance that covers the Services to be performed in connection with this Agreement, in the minimum amount of \$1,000,000 per claim and in the aggregate. Any policy inception date, continuity date, or retroactive date must be before the effective date of this Agreement and Consultant agrees to maintain continuous coverage through a period no less than three (3) years after completion of the services required by this Agreement.

Workers' compensation insurance. **CONSULTANT** shall maintain Workers' Compensation Insurance (Statutory Limits) and Employer's Liability Insurance (with limits of at least \$1,000,000).

Note: Workers' compensation and employer's liability insurance requirements may be eliminated for certain sole proprietorships, partnerships, or corporations without employees.

Consultant shall submit to **CITY**, along with the certificate of insurance, a Waiver of Subrogation endorsement in favor of **CITY**, its officers, agents, employees and volunteers.

Umbrella or excess liability insurance. **CONSULTANT** shall obtain and maintain an umbrella or excess liability insurance policy with limits that will provide bodily injury, personal injury and property damage liability coverage at least as broad as the primary coverages set forth above, including commercial general liability, automobile liability, and employer's liability. Such policy or policies shall include the following terms and conditions:

- A drop down feature requiring the policy to respond if any primary insurance that would otherwise have applied proves to be uncollectible in whole or in part for any reason;
- Pay on behalf of wording as opposed to reimbursement;
- Concurrency of effective dates with primary policies;
- Policies shall "follow form" to the underlying primary policies; and
- Insureds under primary policies shall also be insureds under the umbrella or excess policies.

Other provisions or requirements

Proof of insurance. **CONSULTANT** shall provide certificates of insurance to **CITY** as evidence of the insurance coverage required herein, along with a waiver of subrogation endorsement for workers' compensation. Insurance certificates and endorsements must be approved by **CITY's** Risk Manager prior to commencement of performance. Current certification of insurance shall be kept on file with **CITY** at all times during the term of this contract. **CITY** reserves the right to require complete, certified copies of all required insurance policies, at any time.

Duration of coverage. **CONSULTANT** shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property, which may arise from or in connection with the performance of the Work hereunder by **CONSULTANT**, his agents, representatives, employees or subconsultants.

Primary/noncontributing. Coverage provided by **CONSULTANT** shall be primary and any insurance or self-insurance procured or maintained by **CITY** shall not be required to contribute with it. The limits of insurance required herein may be satisfied by a combination of primary and umbrella or excess insurance. Any umbrella or excess insurance shall contain or be endorsed to contain a provision that such coverage shall also apply on a primary and non-contributory basis for the benefit of **CITY** before the **CITY'S** own insurance or self-insurance shall be called upon to protect it as a named insured.

CITY'S rights of enforcement. In the event any policy of insurance required under this Agreement does not comply with these specifications or is canceled and not replaced, **CITY** has the right but not the duty to obtain the insurance it deems necessary and any premium paid by **CITY** will be promptly reimbursed by **CONSULTANT** or **CITY** will withhold amounts sufficient to pay premium from Consultant payments. In the alternative, **CITY** may cancel this Agreement.

Acceptable insurers. All insurance policies shall be issued by an insurance company currently authorized by the Insurance Commissioner to transact business of insurance or is on the List of Approved Surplus Line Insurers in the State of California, with an assigned policyholders' Rating of A- (or higher) and Financial Size Category Class VI (or larger) in accordance with the latest edition of Best's Key Rating Guide, unless otherwise approved by the **CITY'S** Risk Manager.

Waiver of subrogation. All insurance coverage maintained or procured pursuant to this agreement shall be endorsed to waive subrogation against **CITY**, its elected or appointed officers, agents, officials, employees and volunteers or shall specifically allow **CONSULTANT** or others providing insurance evidence in compliance with these specifications to waive their right of recovery prior to a loss. **CONSULTANT** hereby waives its own right of recovery against **CITY**, and shall require similar written express waivers and insurance clauses from each of its subconsultants.

Enforcement of contract provisions (non estoppel). **CONSULTANT** acknowledges and agrees that any actual or alleged failure on the part of the **CITY** to inform **CONSULTANT** of non-compliance with any requirement imposes no additional obligations on the **CITY** nor does it waive any rights hereunder.

Requirements not limiting. Requirements of specific coverage features or limits contained in this Section are not intended as a limitation on coverage, limits or other requirements, or a waiver of any coverage normally provided by any insurance. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue and is not intended by any party or insured to be all inclusive, or to the exclusion of other coverage, or a waiver of any type. If the Consultant maintains higher limits than the minimums shown above, the **CITY** requires and shall be entitled to coverage for the higher

limits maintained by the **CONSULTANT**. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the **CITY**.

Notice of cancellation. **CONSULTANT** agrees to oblige its insurance agent or broker and insurers to provide to **CITY** with a thirty (30) day notice of cancellation (except for nonpayment for which a ten (10) day notice is required) or nonrenewal of coverage for each required coverage.

Additional insured status. General liability policies shall provide or be endorsed to provide that **CITY** and its officers, officials, employees, and agents, and volunteers shall be additional insureds under such policies. This provision shall also apply to any excess/umbrella liability policies.

Prohibition of undisclosed coverage limitations. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to **CITY** and approved of in writing.

Separation of insureds. A severability of interests provision must apply for all additional insureds ensuring that Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the insurer's limits of liability. The policy(ies) shall not contain any cross-liability exclusions.

Pass through clause. **CONSULTANT** agrees to ensure that its subconsultants, subcontractors, and any other party involved with the project who is brought onto or involved in the project by **CONSULTANT**, provide the same minimum insurance coverage and endorsements required of **CONSULTANT**. **CONSULTANT** agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. **CONSULTANT** agrees that upon request, all agreements with consultants, subcontractors, and others engaged in the project will be submitted to **CITY** for review.

CITY's right to revise specifications. The **CITY** reserves the right at any time during the term of the contract to change the amounts and types of insurance required by giving the **CONSULTANT** ninety (90) days advance written notice of such change. If such change results in substantial additional cost to the **CONSULTANT**, the **CITY** and Consultant may renegotiate **CONSULTANT'S** compensation.

Self-insured retentions. Any self-insured retentions must be declared to and approved by **CITY**. **CITY** reserves the right to require that self-insured retentions be eliminated, lowered, or replaced by a deductible. Self-insurance will not be considered to comply with these specifications unless approved by **CITY**.

Timely notice of claims. **CONSULTANT** shall give **CITY** prompt and timely notice of claims made or suits instituted that arise out of or result from **CONSULTANT'S** performance under this AGREEMENT, and that involve or may involve coverage under any of the required liability policies.

Additional insurance. **CONSULTANT** shall also procure and maintain, at its own cost and expense, any additional kinds of insurance, which in its own judgment may be necessary for its proper protection and prosecution of the work.



**CITY OF GROVER BEACH
DISCLOSURE OF CONFLICT OF INTEREST**

		YES*	NO
1	Are you currently in litigation with the City of Grover Beach or any of its agents?	<input type="checkbox"/>	<input type="checkbox"/>
2	Do you represent any firm, organization or person who is in litigation with the City of Grover Beach?	<input type="checkbox"/>	<input type="checkbox"/>
3	Do you currently represent or perform work for any clients who do business with the City of Grover Beach?	<input type="checkbox"/>	<input type="checkbox"/>
4	Are you or any of your principals, managers or professionals, owners or investors in a business which does business with the City of Grover Beach, or in a business which is in litigation with the City of Grover Beach?	<input type="checkbox"/>	<input type="checkbox"/>
5	Are you or any of your principals, managers or professionals, related by blood or marriage to any City of Grover Beach employee who has any significant role in the subject matter of this service?	<input type="checkbox"/>	<input type="checkbox"/>
6	Do you or any of your subcontractors have, or expect to have, any interest, direct or indirect, in any other contract in connection with this Project?	<input type="checkbox"/>	<input type="checkbox"/>
* If the answer to any question is yes, please explain in full below.			

Explanation: _____

 Signature

 Date

 Name

 Company

 Address

 City, State, Zip

Additional page(s) attached.

**AGREEMENT FOR CONSULTANT SERVICES,
PREPARATION OF THE 2021 ANNUAL REPORT FOR THE
NORTHERN CITIES MANAGEMENT AREA**

THIS AGREEMENT made and entered into on _____, 2021 by and between the Oceano Community Services District, a special district, collectively hereinafter referred to as DISTRICT and _____, hereinafter referred to as CONSULTANT.

RECITALS

The DISTRICT desires to retain said services of the CONSULTANT on an independent Contractor basis for preparation of the 2021 Annual Report for the Northern Cities Management Area, more specifically identified in the Proposal, Scope of Work and Fee Schedule, jointly attached as Exhibit A to this Agreement, herein referred to as the PROJECT, subject to the terms and conditions as hereinafter set forth.

Therefore, in consideration of the mutual agreements contained herein, the DISTRICT and the CONSULTANT agree as follows:

ARTICLE I. SCOPE OF SERVICES

The CONSULTANT shall complete said PROJECT as specified in Exhibit A, and in accordance with local, State and Federal laws.

ARTICLE II. AUTHORIZATION AND COMMENCEMENT OF PERFORMANCE

The services of the CONSULTANT are authorized by the DISTRICT.

ARTICLE III. COMPENSATION AND PAYMENT

The compensation for the services rendered by the CONSULTANT under this Agreement shall be as provided in Exhibit A. Work shall be performed on a base contract, not to exceed basis of \$_____ in accordance with Exhibit A, with a contingency fee of \$_____ for a total project fee of \$_____. The DISTRICT's share, including the contingency fee, will not exceed \$_____. The DISTRICT is solely responsible for the DISTRICT's share of the total project cost. The DISTRICT shall not be responsible for any other payment to CONSULTANT, including the proportional share of any other participating agency, whether for default, late payment, or any other complication arising from the CONSULTANT's agreements with the other participating agencies.

The CONSULTANT shall invoice the DISTRICT for the District's share on a monthly basis, and the DISTRICT will pay the CONSULTANT on a monthly basis per billings from the CONSULTANT unless otherwise identified in this agreement. The CONSULTANT will submit invoices monthly

or upon completion of a specified scope of service in accordance with the CONSULTANT's standard invoicing practices.

Payment is due upon receipt of the invoice. Payments will be made by either check or electronic transfer to the address specified by the CONSULTANT, and will reference the CONSULTANT's invoice number.

Interest will accrue at the rate of 1% per month of the invoiced amount in excess of 30 days past the invoice date.

In the event of a disputed or contested invoice, only that portion so contested will be withheld from payment, and the undisputed amounts will be paid.

ARTICLE IV. TERM OF AGREEMENT

The term of the agreement is set out in Exhibit A and subject to extension if circumstances necessitate it and Parties agree to it in writing. This Agreement may be terminated by either the DISTRICT or the CONSULTANT with or without any reason, upon giving thirty (30) days written notice to other party. In the event of termination, CONSULTANT shall be paid for work performed to the termination date.

Upon termination, CONSULTANT immediately shall turn over to the District any and all copies of videotapes, studies, sketches, drawings, computations, and other data, whether or not completed, prepared by CONSULTANT, and for which CONSULTANT has received reasonable compensation, or given to CONSULTANT in connection with this Agreement. Such materials shall become the DISTRICT's permanent property, provided, however, CONSULTANT shall not be liable for the DISTRICT's use of incomplete materials or for the DISTRICT's use of complete documents if used for other than the project or scope of services contemplated by this Agreement.

Both parties agree to submit any claims, disputes or controversies arising out of or in relation to the interpretation, application, or enforcement of this Agreement to non-binding mediation pursuant to the Rules for Commercial Mediation of the American Arbitration Association, as a condition precedent to litigation or any other form of dispute resolution.

The prevailing party in any action between the parties to this Agreement brought to enforce the terms of this Agreement or arising out of this Agreement shall recover from the other party its reasonable costs and attorney's fees expended in connection with such an action.

ARTICLE V. INSURANCE

A. The CONSULTANT shall obtain and maintain during the performance of any services under this Agreement the following insurance coverage, issued by a company satisfactory to the DISTRICT.

- 1) Commercial general liability insurance including a contractual liability endorsement in an amount not less than \$1,000,000 combined single limit for bodily injury and property

damage for each claimant for general liability, including a non-owned automobile endorsement;

- 2) Errors and omissions insurance to a minimum coverage of \$500,000, with neither the CONSULTANT nor listed sub-consultants having less than \$500,000 individually;
 - 3) Workers' compensation insurance in compliance with the laws of the State of California.
- B. Certificates of insurance evidencing the coverages required by the clauses set forth above shall be filed with the DISTRICT prior to the effective date of this Agreement. This is a condition precedent to the formation of any obligation by the DISTRICT to compensate CONSULTANT under this Agreement.
- C. All insurance policies required by this section shall not be canceled, limited or non-renewed without first giving 30 days written notice to the DISTRICT.
- D. The CONSULTANT agrees that the commercial general liability insurance policy shall be endorsed to name the DISTRICT, its Board of Directors, officers and employees as additional insured and to provide that the coverages provided to the DISTRICT shall be primary and not contributing to or in excess of any existing the DISTRICT's insurance coverages.
- E. All insurance standards applicable to the CONSULTANT shall also be applicable to the CONSULTANT'S subconsultants. The CONSULTANT agrees to maintain appropriate agreements with subconsultants and to provide proper evidence of coverage upon receipt of a written request from the DISTRICT.

ARTICLE VI. INDEPENDENT CONTRACTOR/PERSONAL SERVICE

The CONSULTANT shall perform the services hereunder as an independent contractor and shall not be considered an employee of the DISTRICT for any purposes. The CONSULTANT is not entitled to any District benefits, including PERS, unemployment compensation, health insurance, or any other benefit. Only personnel listed in Exhibit A shall perform services called for under this Agreement and shall not employ or otherwise incur an obligation to pay persons, specialists, experts, or subconsultants for services in connection with the services to be performed under this Agreement without prior written approval of the DISTRICT.

ARTICLE VII. ASSISTANCE BY DISTRICT

Subject to other provisions of this Agreement, the DISTRICT shall provide the CONSULTANT with copies of any specifications, maps, drawings, records, or other documentation, which are required by the CONSULTANT in order to perform the services specified herein. The DISTRICT shall provide all further reasonably necessary information to the CONSULTANT upon the CONSULTANT's request.

ARTICLE VIII. INDEMNIFICATION

CONSULTANT agrees to indemnify and save harmless the DISTRICT and its Board members, officers, employees and agents from:

Third Party Claims. Any and all claims and demands made against the DISTRICT or its Board members, officers, employees or agents by reason of any injury to or death of or damage to any person or entity, of any nature whatsoever, arising out of CONSULTANT's performance of services under this Agreement however caused, excepting, however, any such claims and demands which are the result of the sole negligence or willful misconduct of the DISTRICT or its Board members, officers, employees or agents;

DISTRICT Property Damage Claims. Any and all damage to or destruction of the property of the DISTRICT, its Board members, offices, employees or agents or used by or in the CONSULTANT's care, custody, or control, arising out of CONSULTANT's performance of services under this Agreement however caused, excepting, however, any such claims and demands which are the result of the sole negligence or willful misconduct of the DISTRICT or its Board members, officers, employees or agents;

CONSULTANT Employee, Subconsultant and Agent Claims. Any and all claims and demands which may be made against the DISTRICT or its Board members, officers, employees or agents by reason of any injury to or death of or damage suffered or sustained by any CONSULTANT employee, subcontractor or agent under this Agreement, arising out of CONSULTANT's performance under this Agreement however caused, excepting, however, any such claims and demands which are the result of the sole negligence or willful misconduct of the DISTRICT or its Board members, officers, employees or agents.

ARTICLE IX. ASSIGNMENT

This Agreement shall not be assigned by either party without the prior written approval of the other.

ARTICLE X. NON-DISCRIMINATION

The CONSULTANT will refrain from discriminatory employment actions or practices on the basis of the race, color, age, sex, sexual orientation, religious creed, national origin, or ancestry of any employee or applicant for employment.

ARTICLE XI. ENTIRE AGREEMENT

This Agreement constitutes the entire agreement between the parties hereto relating to the subject matter hereof and supersedes any previous agreements or understandings.

**AGREEMENT FOR CONSULTANT SERVICES,
PREPARATION OF THE 2021 ANNUAL REPORT FOR THE
NORTHERN CITIES MANAGEMENT AREA**

SIGNATURE PAGE

IN WITNESS WHEREOF, the parties hereto have entered into this Agreement effective as of the day and year first written above.

OCEANO COMMUNITY SERVICES DISTRICT

Board of Directors President

Date

Attest:

General Manager

Date

Approved as to Form:

DISTRICT's Legal Counsel

Date

CONSULTANT

Signature

Date

Name

Title

Exhibit A