

**APPENDIX A – OUTREACH DOCUMENTS AND  
COORDINATION WITH RELEVANT AGENCIES**



**Public Works/Engineering**

760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4656

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July 5, 2011

County of San Luis Obispo  
County Government Center  
1055 Monterey Street  
San Luis Obispo, CA 93408

Attention: Paavo Ogren, Director of Public Works

Subject: **Notice of Preparation of the 2010 City of Pismo Beach Urban Water Management Plan (UWMP)**

Dear Mr. Ogren:

Pursuant to the requirements of the California Water Code, Division 6, Part 2.6 Urban Water Management Planning, Section 10621 (b), every urban water supplier required to prepare a plan pursuant to this part shall, at least 60 days prior to the public hearing on the plan required by Section 10642, notify any city or county within which the supplier provides water supplies that the urban water supplier will be reviewing the plan and considering amendments or changes to the plan.

This letter is intended to notify your agency that the City of Pismo Beach (City) is in process of preparing the 2010 UWMP. Based on the City's current schedule, we expect to have a public review draft of the 2010 UWMP available for review in July 2011, at which point your agency will receive a notification letter that the draft UWMP is available for public review.

If your agency would like to submit comments or provide input to the City in anticipation of the development of the 2010 UWMP, please submit written copies to:

Dwayne Chisam  
Director of Public Works  
City of Pismo Beach  
760 Mattie Road  
Pismo Beach, CA 93449

Sincerely,

CITY OF PISMO BEACH

Dwayne Chisam, P.E.  
Director of Public Works/City Engineer

cc: Tommy Greci, Carollo Engineers, Inc.

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**Public Works/Engineering**  
760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4656

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July 17, 2011

City of Arroyo Grande  
Community Development  
300 East Branch Street  
Arroyo Grande, CA 93420

Attention: Teresa McClish, Community Development Director

Subject: **Notice of Preparation of the 2010 City of Pismo Beach Urban Water Management Plan (UWMP)**

Dear Ms. McClish:

This letter is intended to notify your agency that the City of Pismo Beach (City) is in process of preparing the 2010 UWMP. Based on the City's current schedule, we expect to have a public review draft of the 2010 UWMP available in late July or early August of 2011, at which point your agency will receive a notification letter that the draft UWMP is available for public review.

If your agency would like to submit comments or provide input to the City in anticipation of the development of the 2010 UWMP, please submit written copies to:

Dwayne Chisam  
Director of Public Works  
City of Pismo Beach  
760 Mattie Road  
Pismo Beach, CA 93449

Sincerely,

CITY OF PISMO BEACH

Dwayne Chisam, P.E.  
Director of Public Works/City Engineer

cc: Tommy Greci, Carollo Engineers, Inc.

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**Public Works/Engineering**  
760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4656

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July 17, 2011

Central Coast Water Authority  
555 Industrial Way  
Buellton, CA 93427-9565

Attention: John Brady, Operations Manager/Engineer

Subject: **Notice of Preparation of the 2010 City of Pismo Beach Urban Water Management Plan (UWMP)**

Dear Mr. Brady:

This letter is intended to notify your agency that the City of Pismo Beach (City) is in process of preparing the 2010 UWMP. Based on the City's current schedule, we expect to have a public review draft of the 2010 UWMP available in late July or early August of 2011, at which point your agency will receive a notification letter that the draft UWMP is available for public review.

If your agency would like to submit comments or provide input to the City in anticipation of the development of the 2010 UWMP, please submit written copies to:

Dwayne Chisam  
Director of Public Works  
City of Pismo Beach  
760 Mattie Road  
Pismo Beach, CA 93449

Sincerely,

CITY OF PISMO BEACH

Dwayne Chisam, P.E.  
Director of Public Works/City Engineer

cc: Tommy Greci, Carollo Engineers, Inc

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**Public Works/Engineering**  
760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4656

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July 17, 2011

City of Grover Beach  
154 S. Eighth Street  
Grover Beach, CA 93433

Attention: Gregory Ray, Public Works Director

Subject: **Notice of Preparation of the 2010 City of Pismo Beach Urban Water Management Plan (UWMP)**

Dear Mr. Ray:

This letter is intended to notify your agency that the City of Pismo Beach (City) is in process of preparing the 2010 UWMP. Based on the City's current schedule, we expect to have a public review draft of the 2010 UWMP available in late July or early August of 2011, at which point your agency will receive a notification letter that the draft UWMP is available for public review.

If your agency would like to submit comments or provide input to the City in anticipation of the development of the 2010 UWMP, please submit written copies to:

Dwayne Chisam  
Director of Public Works  
City of Pismo Beach  
760 Mattie Road  
Pismo Beach, CA 93449

Sincerely,

CITY OF PISMO BEACH

A handwritten signature in blue ink, appearing to be "D. Chisam".

Dwayne Chisam, P.E.  
Director of Public Works/City Engineer

cc: Tommy Greci, Carollo Engineers, Inc.

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**Public Works/Engineering**  
760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4656

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July 12, 2011

Oceano Community Services District  
P.O. Box 599  
Oceano, CA 93475

Attention: Cindy Winter, Interim General Manager

Subject: **Notice of Preparation of the 2010 City of Pismo Beach Urban Water Management Plan (UWMP)**

Dear Ms. Winter:

This letter is intended to notify your agency that the City of Pismo Beach (City) is in process of preparing the 2010 UWMP. Based on the City's current schedule, we expect to have a public review draft of the 2010 UWMP available in late July or early August of 2011, at which point your agency will receive a notification letter that the draft UWMP is available for public review.

If your agency would like to submit comments or provide input to the City in anticipation of the development of the 2010 UWMP, please submit written copies to:

Dwayne Chisam  
Director of Public Works  
City of Pismo Beach  
760 Mattie Road  
Pismo Beach, CA 93449

Sincerely,

CITY OF PISMO BEACH

A handwritten signature in blue ink, appearing to read "D. Chisam".

Dwayne Chisam, P.E.  
Director of Public Works/City Engineer

cc: Tommy Greci, Carollo Engineers, Inc.

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**APPENDIX B – NOTICE OF PUBLIC REVIEW OF 2010 URBAN  
WATER MANAGEMENT PLAN**



**From the Office of the City Clerk**

760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4657

**LEGAL**

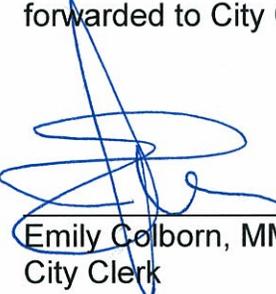
**DATE:** September 1, 2011  
**DEPT:** Administration

**PUBLIC HEARING NOTICE**

**NOTICE IS HEREBY GIVEN** that on **Tuesday, September 20, 2011, at 6:30 p.m.**, or as soon thereafter as possible, the Pismo Beach City Council will hold a Public Hearing at 760 Mattie Road, Pismo Beach, California, in the Pismo Beach Council Chamber for the following purpose:

**2010 URBAN WATER MANAGEMENT PLAN**

All interested persons are invited to appear at this time and place specified above to give oral or written testimony in regards to this matter. Written comments may be forwarded to City Clerk's Office at 760 Mattie Road, Pismo Beach, CA 93449.

  
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Emily Colborn, MMC  
City Clerk

*Publish: September 3, 2011 and September 10, 2011 – The Tribune*

*Posted: September 1, 2011 – City's Notice Board and Website*

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**APPENDIX C – RESOLUTION TO ADOPT THE 2010 URBAN  
WATER MANAGEMENT PLAN**

**RESOLUTION R-2011-083**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PISMO BEACH APPROVING THE 2010 URBAN WATER MANAGEMENT PLAN AND AUTHORIZING SUBMITTAL TO THE DEPARTMENT OF WATER RESOURCES**

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**WHEREAS**, The City of Pismo Beach has prepared an Urban Water Management Plan (UWMP), in conjunction with Carollo Engineers, to satisfy the requirements of the California Water Code sections 10610 et seq. and Urban Water Management Planning Act of 1983 (UWMPA); and

**WHEREAS**, Included in the City's UWMP is long-term resource planning to ensure adequate water supplies are available to meeting existing and future demands; and

**WHEREAS**, Comparison of the City's future demands and available supplies indicates that the City will have sufficient water supply to meet its demands, even during single and multiple dry-year events; and

**WHEREAS**, Staff recommends approving the 2010 Urban Water Management plan and authorize the submittal to the Department of Water Resources.

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Pismo Beach hereby approve the 2010 Urban Water Management Plan and authorize the submittal to the Department of Water Resources

**UPON MOTION OF** Councilmember Ehring seconded by Councilmember Waage the foregoing resolution was adopted by the City Council of the City of Pismo Beach this 20<sup>th</sup> day of September 2011, by the following vote:

**AYES: 5      Councilmembers: Ehring, Waage, Reiss, Vardas, Higginbotham**  
**NOES: 0**  
**ABSENT: 0**  
**ABSTAIN: 0**

**Approved:**

**Attest:**

  
**Shelly Higginbotham**  
**Mayor**

  
**Elaine Ceja**  
**Deputy City Clerk**

**RESOLUTION NO. R-2012-060**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PISMO BEACH TO APPROVE THE RECERTIFICATION OF THE 2010 URBAN WATER MANAGEMENT PLAN (UWMP)**

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**WHEREAS**, the City of Pismo Beach approved the 2010 Urban Water Management Plan (UWMP) in September 2011; and

**WHEREAS**, the plan was forwarded to the Department of Water Resources (DWR) for review; and

**WHEREAS**, DWR has requested several minor changes in the plan to make it consistent with the requirements of the Urban Water Planning Act; and

**WHEREAS**, Staff has also modified the sections in the UWMP that were unclear regarding the amount of groundwater available to the City from the groundwater basin.

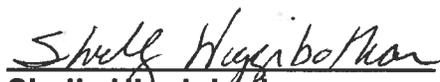
**NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Pismo Beach hereby approves the recertification of the 2010 Urban Water Management Plan (UWMP).

**UPON MOTION OF** Councilmember Ehring, seconded by Councilmember Waage the foregoing resolution was passed, approved and adopted by the City Council of the City of Pismo Beach this 17<sup>th</sup> day of July by the following roll call vote:

**AYES: 5 Councilmembers: Ehring, Waage, Reiss, Vardas, Higginbotham**  
**NOES: 0**  
**ABSENT: 0**  
**ABSTAIN: 0**

**Approved:**

**Attest:**

  
**Shelly Higginbotham**  
**Mayor**

  
**Elaina Cano, CMC**  
**City Clerk**

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**APPENDIX D – VERIFICATION OF PLAN SUBMITTAL**

## **Commitment to Distribute the 2010 Urban Water Management Plan**

The documentation currently included in these appendices satisfies California Water Code parts 10621(b) and 10642.

Two other sections of the California Water Code specify UWMP documentation that must take place after the submission of the supplier's UWMP to the DWR. These parts are as follows:

- Part 10644(a), requiring documentation that within 30 days of submitting the UWMP to DWR, the adopted UWMP has been or will be submitted to the California State Library and any city or county to which the supplier provides water.
- Part 10645, requiring documentation that the supplier will make the UWMP available for public review no later than 30 days after submission to DWR.

In order to satisfy these requirements, the City will perform the following actions:

- The City will submit its 2010 UWMP to the California DWR on or before October 7, 2011.
- The City will send a printed or electronic copy of its 2010 UWMP to the California State Library and to the cities and counties within which it provides water. The City will do this no later than November 6, 2011 (30 days from filing with the DWR).
- The City will make their 2010 UWMP available for public review no later than November 6, 2011 (30 days from filing with the DWR).



**Public Works/Engineering**  
760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4656

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September 5, 2011

Department of Water Resources  
Statewide Integrated Water Management  
Water Use and Efficiency Branch  
P.O. Box 942836  
Sacramento, CA 94236-001

Attention: Coordinator, Urban Water Management Plans

Subject: Submission of 2010 Urban Water Management Plan

To Whom it May Concern:

I am pleased to submit this 2010 Urban Water Management Plan (UWMP) for your review. The 2010 UWMP document was prepared in accordance with the Urban Water Management Planning Act of 1983 and subsequent amendments, as well as other applicable regulations.

The report is organized according to the recommended format established by the California Department of Water Resources as follows:

- Chapter 1 – Plan Preparation
- Chapter 2 – System Description
- Chapter 3 – System Demands
- Chapter 4 – System Supplies
- Chapter 5 – Water Supply Reliability and Water Shortage Contingency Planning
- Chapter 6 – Demand Management Measures
- Chapter 7 – Completed UWMP Checklist

Please let me know if you have questions, comments, or concerns regarding the information contained in this report. I look forward to your review.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dwayne Chisam".

Dwayne Chisam, P.E.  
Director of Public Works/City Engineer

Enclosures: 2010 Urban Water Management Plan

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**Public Works/Engineering**  
760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4656

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September 5, 2011

California State Library  
Government Publications Section  
P.O. Box 942837  
Sacramento, CA 94237-001

Attention: Coordinator, Urban Water Management Plans

Subject: Submission of 2010 Urban Water Management Plan

To Whom it May Concern:

Please accept this 2010 Urban Water Management Plan (UWMP) for inclusion in the California State Library Government Publications Section. This UWMP was prepared in accordance with the requirements of the Urban Water Management Planning Act and the Water Conservation Bill of 2009.

Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dwayne Chisam", with a long horizontal stroke extending to the right.

Dwayne Chisam, P.E.  
Director of Public Works/City Engineer

Enclosures: 2010 Urban Water Management Plan

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**Public Works/Engineering**  
760 Mattie Road  
Pismo Beach, CA 93449  
(805) 773-4656

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September 5, 2011

County of San Luis Obispo  
County Government Center  
1055 Monterey Street  
San Luis Obispo, CA 93408

Attention: Paavo Ogren, Director of Public Works

Subject: Submission of 2010 Urban Water Management Plan

To Whom it May Concern:

We are pleased to submit this 2010 Urban Water Management Plan (UWMP) for your files. The 2010 UWMP document was prepared in accordance with the Urban Water Management Planning Act of 1983 and subsequent amendments, as well as other applicable regulations. The purpose of the UWMP is to maintain efficient use of urban water supplies, continue to promote conservation programs and policies, ensure that sufficient water supplies are available for future beneficial use, and provide a mechanism for response during water drought conditions.

Please let me know if you have questions, comments, or concerns regarding the information contained in this report.

Sincerely,

A handwritten signature in blue ink, appearing to read "Dwayne Chisam".

Dwayne Chisam, P.E.  
Director of Public Works/City Engineer

Enclosures: 2010 Urban Water Management Plan

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**APPENDIX E – COMMUNITY DEVELOPMENT DEPARTMENT  
MEMORANDUM (APRIL 2001)**



**City of Pismo Beach  
Community Development Department**

**MEMORANDUM**

**TO:** R. Dennis Delzeit, Public Services Director

**FROM:** Randy Bloom, Community Development Director

**DATE:** April 11, 2001

**SUBJECT:** Revised population projections for use in sewer treatment plant expansion analysis.

**Residential development**

The California Department of Finance 1990 population estimate for the City is 8,629. In the past five years alone, approximately 300-500 new homes have been developed in the City. It is reasonable to assume that the City population has grown with the addition of new development on vacant property, and an estimate of an additional 600-700 new residents in the past eleven years is not unreasonable. Additionally, redevelopment continues in existing neighborhoods from second home beach cottages to full time permanent homes. Older neighborhoods in particular (Shell Beach, Pismo Heights, Sunset Palisades) over the past eleven years since the 1990 census have experienced a great deal of new growth in the form of expansion of small two bedroom vacation retreats into larger homes for permanent family residences.

The latest population releases by the U.S. Census Bureau for the 2000 Census indicates a present population of 8,551 for the City of Pismo Beach. This release only relates to current population and does not reflect persons per household or number of permanent households. Typically these early releases are adjusted as more information becomes available. Staff has a concern that the figure is too low and does not address the conversion growth we continue to have in our vacation homes to permanent residences. The California Department of Finance uses 2.04 persons per household (based on the 1990 census) in establishing their estimates for the City of Pismo Beach.

The City of Pismo Beach's General Plan uses 2.5 persons per household to establish a build-out population. It is anticipated that the results of the 2000 census will yield a higher persons per household ratio due to the transition we have been experiencing from vacation homes to permanent year around residences.

Staff has reviewed the development potential on all undeveloped and underdeveloped properties within the City limits and estimates that there is a potential for approximately 345 additional units that could be built. Staff's previous estimate (per memo dated February 22, 2001) assumed the lands within the City's current Sphere of Influence, which included the Los Robles Del Mar project and the Cottonwood area. Based on historic concept plans, staff had estimated approximately 683 housing units from both areas. All areas outside the City's Sphere of Influence were never included within the

estimate (Pismo Ranch, Preserve). Based on the General Plan ratio of 2.5 persons per household and multiplying by the projected 345 additional units, the population of the City at build out would be estimated at **9,414 persons within the City Limits**. If you take the estimated 683 units outside the City limits, but within the City's current Sphere of Influence, and multiply it by the General Plan ratio it would provide for 1,708 additional persons.

The estimated total population for the City of Pismo Beach at build out, including the areas within the City's current Sphere of Influence, is estimated at **11,122 persons**.

### **Hotel/Motel development**

Since 1990, opportunities for hotel development have changed. For instance, the Dinosaur Caves property was anticipated for hotel development of approximately 250 rooms. The Dinosaur Caves property is now a public park with open space zoning. Additionally, hotel development in the Pismo Oaks area was anticipated at approximately 350 rooms; however, much of the designated property was re-zoned for single-family residential use (Seaview Estates and Paseo Ladera subdivisions)

On vacant hotel/motel zoned undeveloped and underdeveloped property, approximately 340 hotel units could be developed or approximately 100 condominium units (also permitted on hotel/motel zoned property) could be developed.

Commercially zoned property can also be developed for hotel uses with a conditional use permit. If 15% of commercially zoned property were to develop as hotel units, approximately 625 new hotel units could be projected on commercially zoned property.

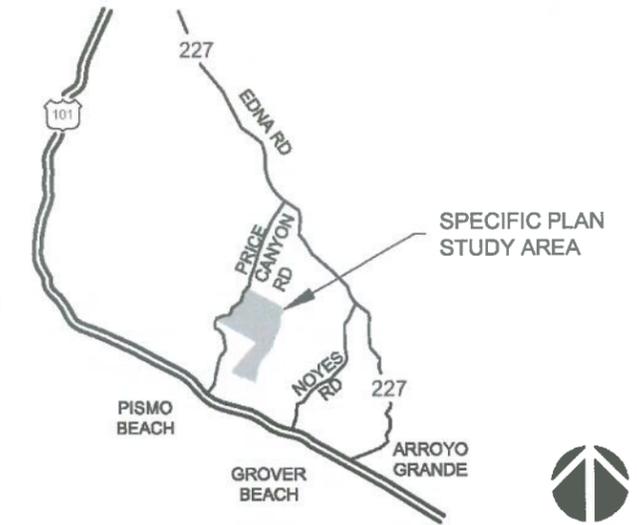
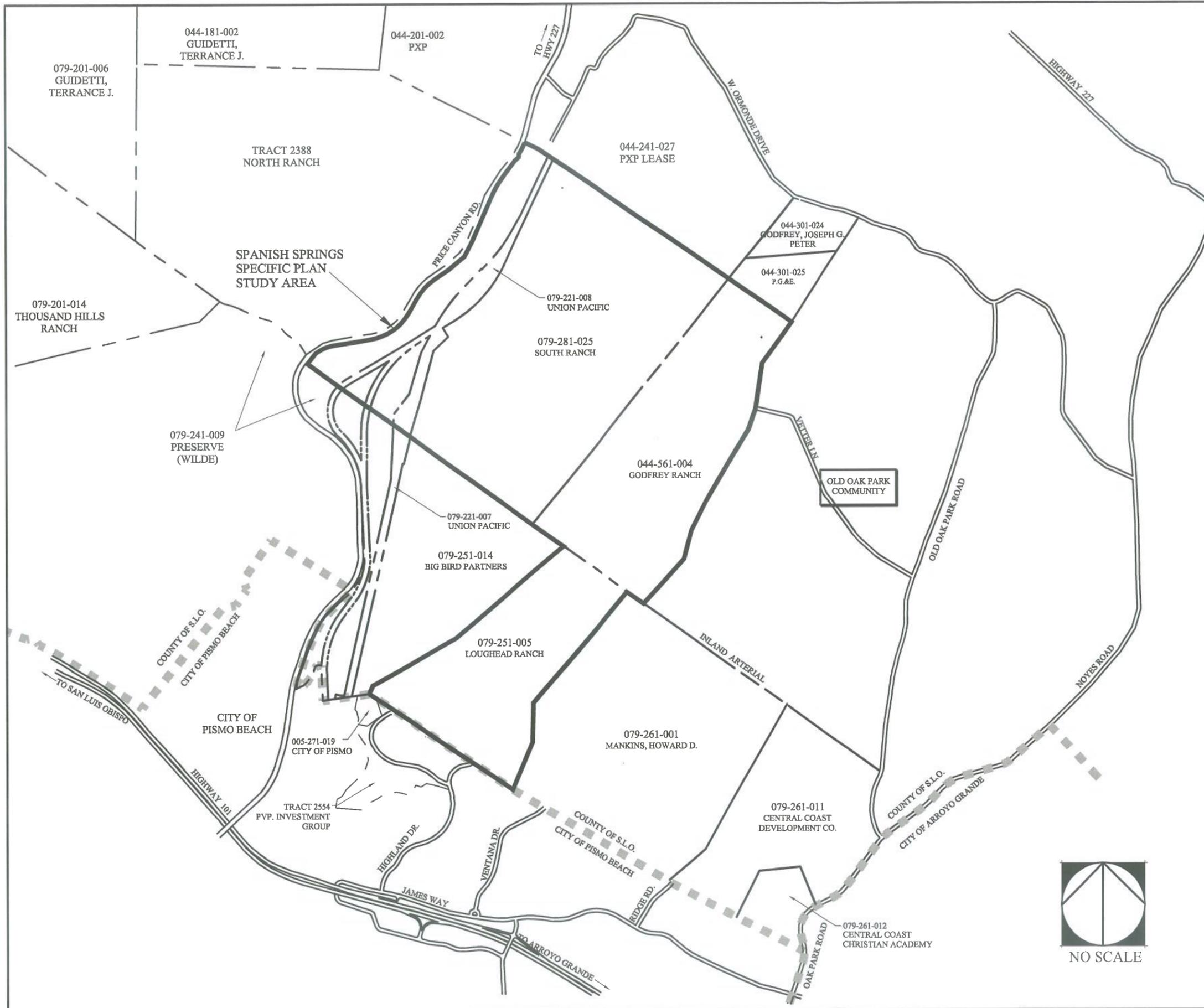
Given current development trends and the availability of larger parcels of land for hotel development, it is estimated that approximately 725 to 965 new hotel/condominium vacation rentals could be developed at build out.

### **Commercially zoned property,**

Approximately 68 acres of commercially zoned is available for development if all the property was utilized only for commercial/retail/office space. If 15% of the vacant commercial property was used for hotel/motel development as noted above, approximately 58 acres of commercially zoned property would be available for commercial development.

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**APPENDIX F – PRICE CANYON PROJECT VICINITY MAP**



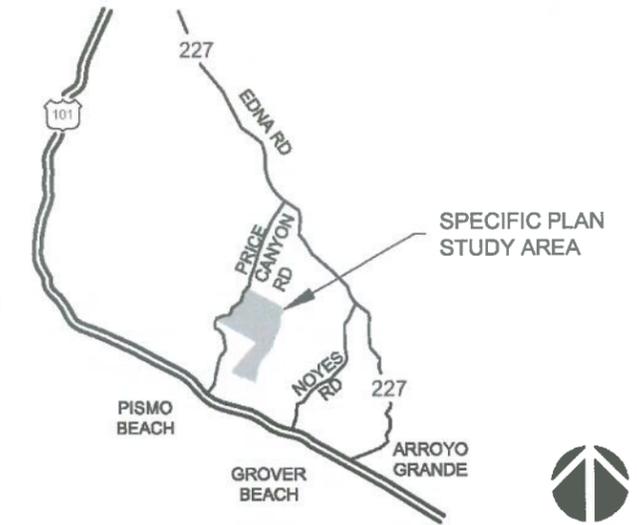
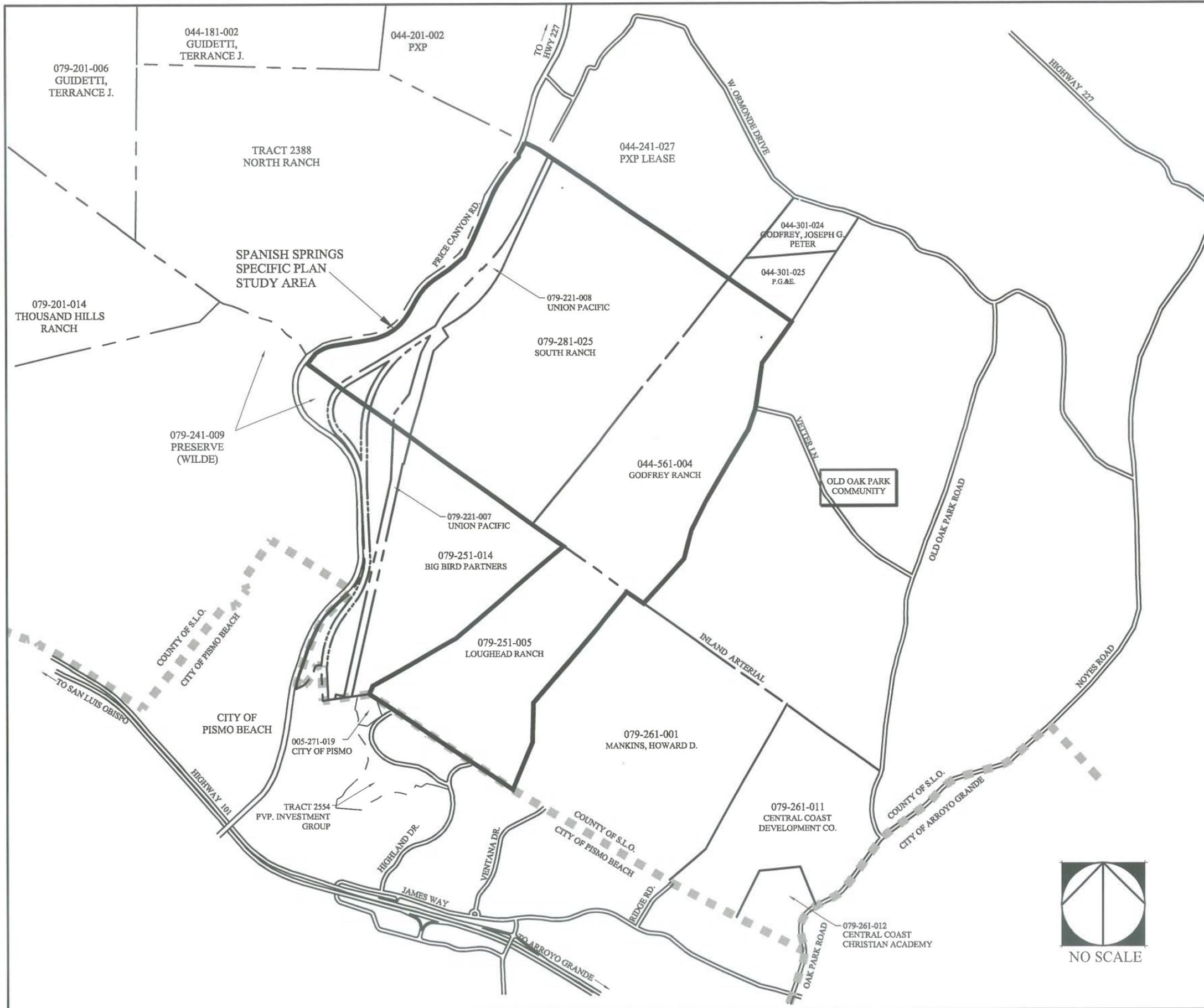
VICINITY MAP

OWNER	ENTITY
COASTAL CHRISTIAN SCHOOL CENTRAL COAST DEV.CO.	- LOS ROBLES DEL MAR
HOWARD MANKINS	- MANKINS RANCH
PALOS VERDES PROPERTIES	- PVP CITY
CITY OF PISMO BEACH	- FRIENDS OF PRICE HOUSE
UNION PACIFIC RAILROAD	- UPRR
TIM LEWY/DARREN S HETLER	- BIG BIRD PARTNERS
BRAD WILDE	- WILDE PRESERVE
JOHN KING/BHTII LLC	- GODFREY RANCH
BHTII LLC	- SOUTH RANCH
RICK LOUGHEAD/BHTII LLC	- LOUGHEAD RANCH

FIGURE 1  
VICINITY & OWNERSHIP  
MAP

SPECIFIC PLAN  
FOR  
SPANISH SPRINGS





VICINITY MAP

OWNER	ENTITY
COASTAL CHRISTIAN SCHOOL CENTRAL COAST DEV.CO.	- LOS ROBLES DEL MAR
HOWARD MANKINS	- MANKINS RANCH
PALOS VERDES PROPERTIES	- PVP CITY
CITY OF PISMO BEACH	- FRIENDS OF PRICE HOUSE
UNION PACIFIC RAILROAD	- UPRR
TIM LEWY/DARREN S HETLER	- BIG BIRD PARTNERS
BRAD WILDE	- WILDE PRESERVE
JOHN KING/BHTII LLC	- GODFREY RANCH
BHTII LLC	- SOUTH RANCH
RICK LOUGHEAD/BHTII LLC	- LOUGHEAD RANCH

FIGURE 1  
VICINITY & OWNERSHIP  
MAP

SPECIFIC PLAN  
FOR  
SPANISH SPRINGS



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**APPENDIX G – PISMO BEACH COUNCIL AGENDA REPORT  
(OCTOBER 2009)**



## **PISMO BEACH COUNCIL AGENDA REPORT**

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### **SUBJECT / TITLE:**

**APPROVAL OF ADDITIONAL STATE WATER ALLOCATION AND DROUGHT BUFFER REQUEST**

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### **RECOMMENDATION:**

1. The City Council approve the acquisition of 1,240 acre-feet as an ongoing drought buffer for current State Water supplies.
  2. That the City Council direct staff to request a planning allocation of 1,000 acre-feet of drought buffer allocation for potential reductions in Lopez Project deliveries, and possible short term pumping reductions from groundwater supplies.
  3. That the City Council direct staff to request a planning allocation of 500 acre-feet of additional deliverable State Water supplies, and 500 acre-feet of drought buffer to accommodate growth within the sphere of influence areas.
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### **EXECUTIVE SUMMARY:**

The City of Pismo Beach is fortunate to have three sources of water to meet the water demands of the community. These sources include groundwater from water wells located in Grover Beach, Lopez Project water, and State Water from Northern California. Much like a financial portfolio, diversification of water resources allows the City to respond to water shortages in one source, with enhancements from another source.

The City of Pismo Beach has an allotment of 700 acre-feet of groundwater pumped from the northern cities area of the Santa Maria Groundwater Basin. This area is often referred to as the Tri Cities Mesa area and is a relatively small groundwater basin of 8,300 acres. The amount of water that is allowed to be withdrawn from this basin is regulated by a final judgment issued as part of the Santa Maria Groundwater Basin Litigation. Other water users within the basin are the Cities of Arroyo Grande, Grover Beach, Oceano Community Services District and various private property owners that have rights to extract water from the basin.

The City of Pismo Beach has an allotment of 900 acre-feet of Lopez Project water as a member of Zone 3. Zone 3 is a special district that was formed to provide water resources to the south San Luis Obispo County region. The various political bodies that have contracts for water supply and benefit from the water resources within Zone 3 are financially obligated to pay their proportionate share of the Lopez Project costs.

The City of Pismo Beach has an allotment of 1,240 acre-feet<sup>1</sup> of State Water that is derived from Northern California. This water comes from the Feather River and is stored in Lake Orville and other reservoirs along the State Water delivery system. Like the

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<sup>1</sup> 140 acre-feet allocated to Brad Wilde Pismo 98 LLC

Lopez Project the various political organizations that benefit from the water generated are required to contribute financially based on their proportionate share of the project cost. As the largest water project in the world, the State Water Project has many components and can be somewhat confusing. There are twenty-nine main contractors and many subcontracts and agreements for water supply throughout the state system. San Luis Obispo County (County) is a main State Water contractor that has 25,000 acre-feet of State Water allotment. The County has 8,487 acre feet of subcontracts to provide water supply to various areas within the County. The difference between the 25,000 acre-feet in State Water allotment and the 8,487acre-feet in subcontracted deliveries is the subject of this staff report.

The County has 17,513 acre-feet of unallocated State Water allotment. There appears to be additional pipeline capacity in the coastal branch aqueduct to deliver additional State Water to San Luis Obispo and Santa Barbara Counties. The County has requested that the City provide a planning allocation amount for this additional State Water allotment. In the past the City has requested 247 acre-feet. Following completion of the County Master Plan the County intends to divest themselves of any unallocated State Water allotment. This provides the City with an opportunity to secure additional drought buffer and additional State Water allocation to secure the communities water future.

A planning allocation is an amount of additional State Water that the City would like the County to reserve for Pismo Beach as the County begins negotiating with the State Department of Water Resources (DWR) and Central Coast Water Authority (CCWA) for additional State Water delivery options. The planning allocation is a nonbinding number that can be modified and refined once the additional State Water acquisition costs are determined.

Staff reviewed the reliability of the current water supplies and the amount of water required to supply the adopted sphere of influence areas to determine an appropriate planning allocation recommendation for City Council review and concurrence. Staff also reviewed the current County Drought Buffer program and has provided a separate recommendation for that program.

All of the City's current water resources have reliability concerns that may affect on a short-term basis the amount of water that can be delivered. For example the proposed Habitat Conservation Plan for the Lopez Project may require that more water be released for fish. The continued drought and lowering of groundwater levels within the basin may reduce the amount of groundwater that can be pumped from the basin. Current court action has reduced pumping from the Delta, which in turn has greatly impacted the ability of DWR to make deliveries of State Water.

### **Drought Buffer for Current State Water Supplies**

To address the uncertainty in current State Water supplies separate from the planning allocation staff is recommending that 1,240 acre-feet of drought buffer<sup>2</sup> water be

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<sup>2</sup> Drought buffer water is water that has no pipeline capacity for delivery, and is used to increase deliveries during times of drought. For example during the current drought period 40% delivery is anticipated, without a drought

acquired to firm up current State Water supplies. The City has utilized the County Drought Buffer Program over the last several years to firm up the short-term supply shortages in the State Water deliveries on a year-by-year basis. Under the County Drought Buffer Program the City pays an additional \$100 to \$150 per acre-foot in addition to the \$75 water cost to purchase drought buffer on a year-to-year basis. In years when the State Water deliveries are closer to full contract amounts the City has no increased annual cost. The City can fix the amount of the drought buffer at \$75 per acre-foot if the City agrees to purchase the water on an annual basis. Given the likelihood on continued shortages in the state system it is important that the City have drought water supplies to meet current water demands. The cost of this program is already incorporated within the rate structure and no additional rate increases would be required to implement this recommendation. Another reason to formalize the current practice at this time is that the County intends to eliminate the year-to-year drought buffer program following completion of the County Water Master Plan. The result of this action would allow the City to receive 1,240 acre-feet of State Water supply even when State Water supplies are reduced by 50%.

### **Additional State Water Planning Allocation**

The additional State Water allocation recommendation includes two components, additional drought buffer water that is relatively inexpensive and new State Water allocation that is more expensive but competitive with other water resources. The current costs for drought allocation buffer water is approximately \$75 per acre-foot and \$1,250 to \$1,500 per acre-foot for new State Water allocation with a buy in fee yet to be determined.

To determine the planning number for firming up shortages in the Lopez and groundwater systems, staff is recommending that City Council include 1000 acre-feet of State Water drought buffer water. This amount would yield approximately 500 acre-feet of water in a shortage period that the City would likely be able to deliver in the event that reductions were required in either groundwater pumping or from Lopez Project. The City would need to work with the County, CCWA and DWR to facilitate delivery of the water, however in shortage situation these arrangements can be accommodated.

The planning allocation for additional State Water to serve the Sphere of Influence areas is recommended at 500 acre-feet. This amount of water would need the same additional 500 acre-foot drought buffer component. The financing for this block of water would come from the development community and appropriate financing mechanism are recommended to be in place prior to the City Council committing to acquire this additional water supply. It is anticipated that existing ratepayers would not bear an additional burden for the additional State Water allocation for the Sphere of Influence areas.

---

buffer the City would receive 496 acre-feet of water, with a drought buffer of 1240 acre-feet the City would receive 992 acre-feet

---

**FISCAL IMPACT:**

The current rate structure contains funding to facilitate the acquisition of the annual 1,240 acre-feet of drought buffer for current State Water supplies. The additional 1,000 acre-feet of drought buffer to protect against groundwater and Lopez Project shortages would have an annual cost in the range of \$75,000 per year. The Cost for the additional State Water allocation is yet to be determined.

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**OPTIONS:**

The City Council could modify the recommended State Water and drought buffer allocation request, or choose to not part participate in program.

---

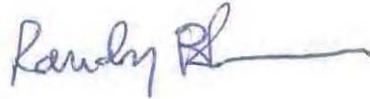
**ATTACHMENTS:**

None.

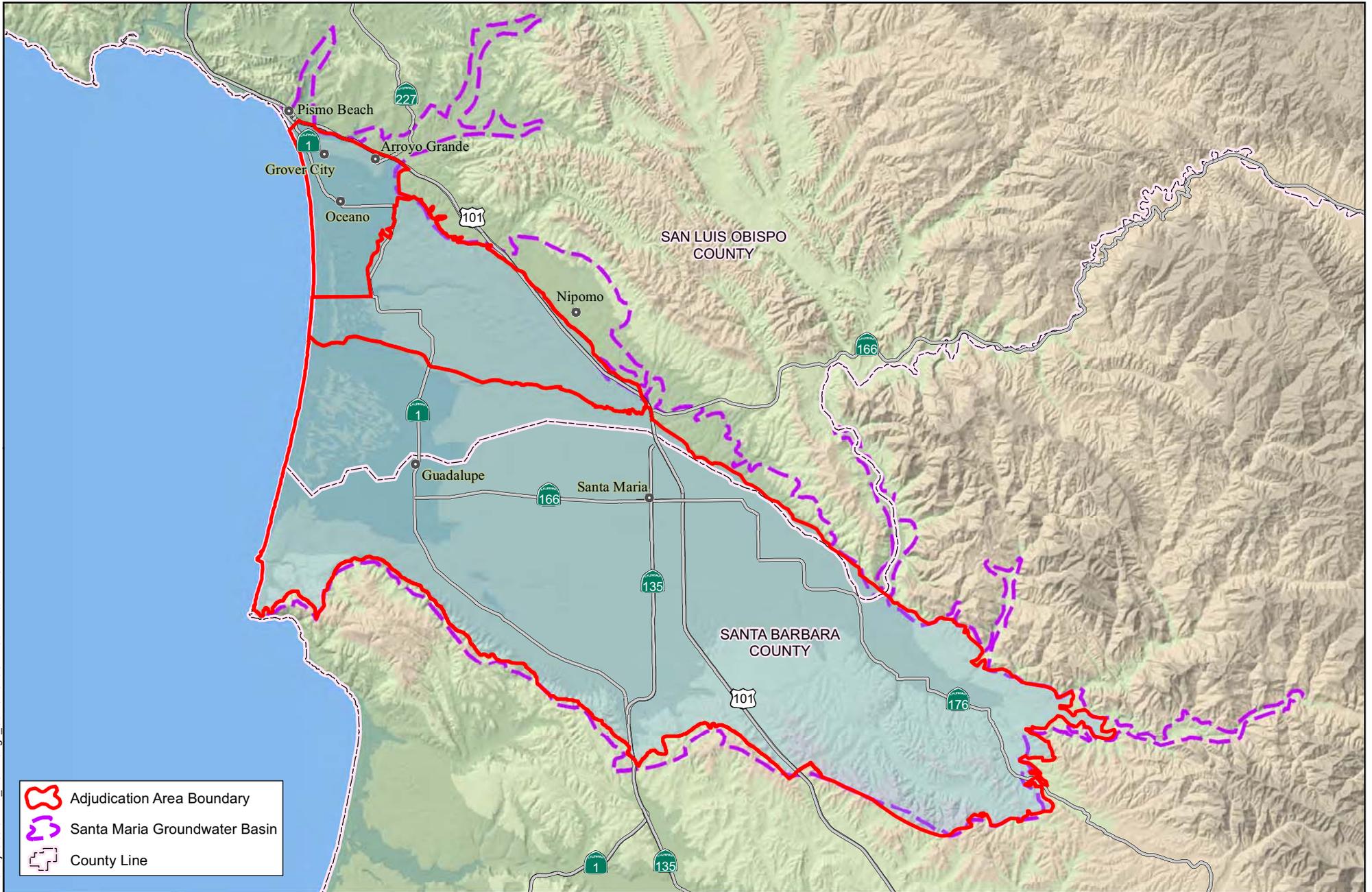
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**Prepared by:** Dwayne Chisam, P.E., Public Works Director    **Meeting Date:** October 6, 2009

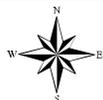
**Acting City Manager Approval:**



**APPENDIX H – NORTHERN CITIES MANAGEMENT AREA,  
SELECTED FIGURES FROM 2010 ANNUAL MONITORING  
REPORT**



- Adjudication Area Boundary
- Santa Maria Groundwater Basin
- County Line



2010 Annual Monitoring Report  
San Luis Obispo and Santa Barbara Counties

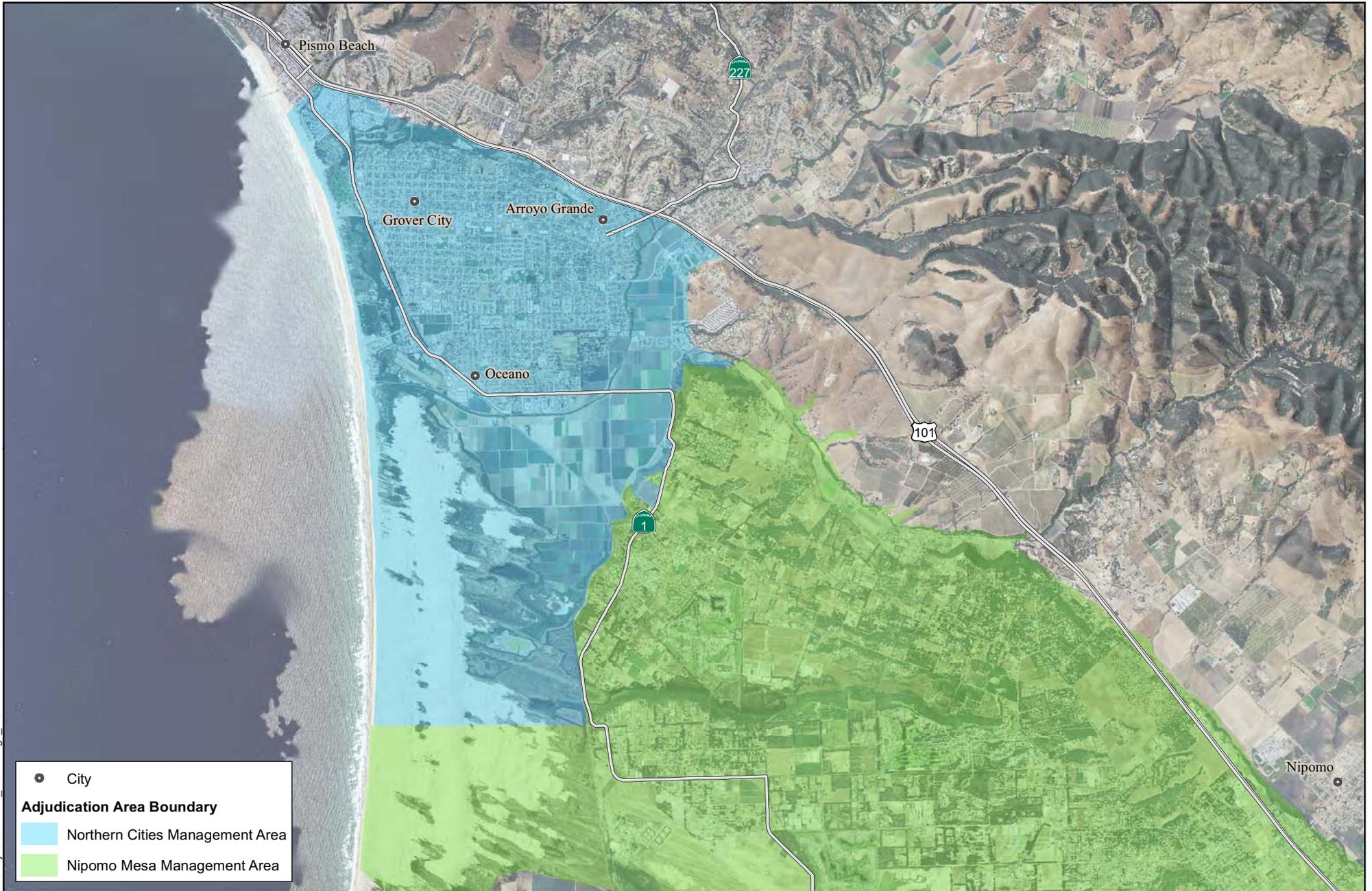
Northern Cities Management Area



SANTA MARIA GROUNDWATER BASIN

APRIL 2011

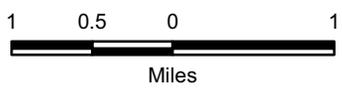
FIGURE 1



- City

**Adjudication Area Boundary**

- Northern Cities Management Area
- Nipomo Mesa Management Area



2010 Annual Monitoring Report  
San Luis Obispo County

Northern Cities Management Area



**NORTHERN CITIES MANAGEMENT AREA**

APRIL 2011

FIGURE 2

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**APPENDIX I – HISTORICAL GROUNDWATER ELEVATION  
DATA**

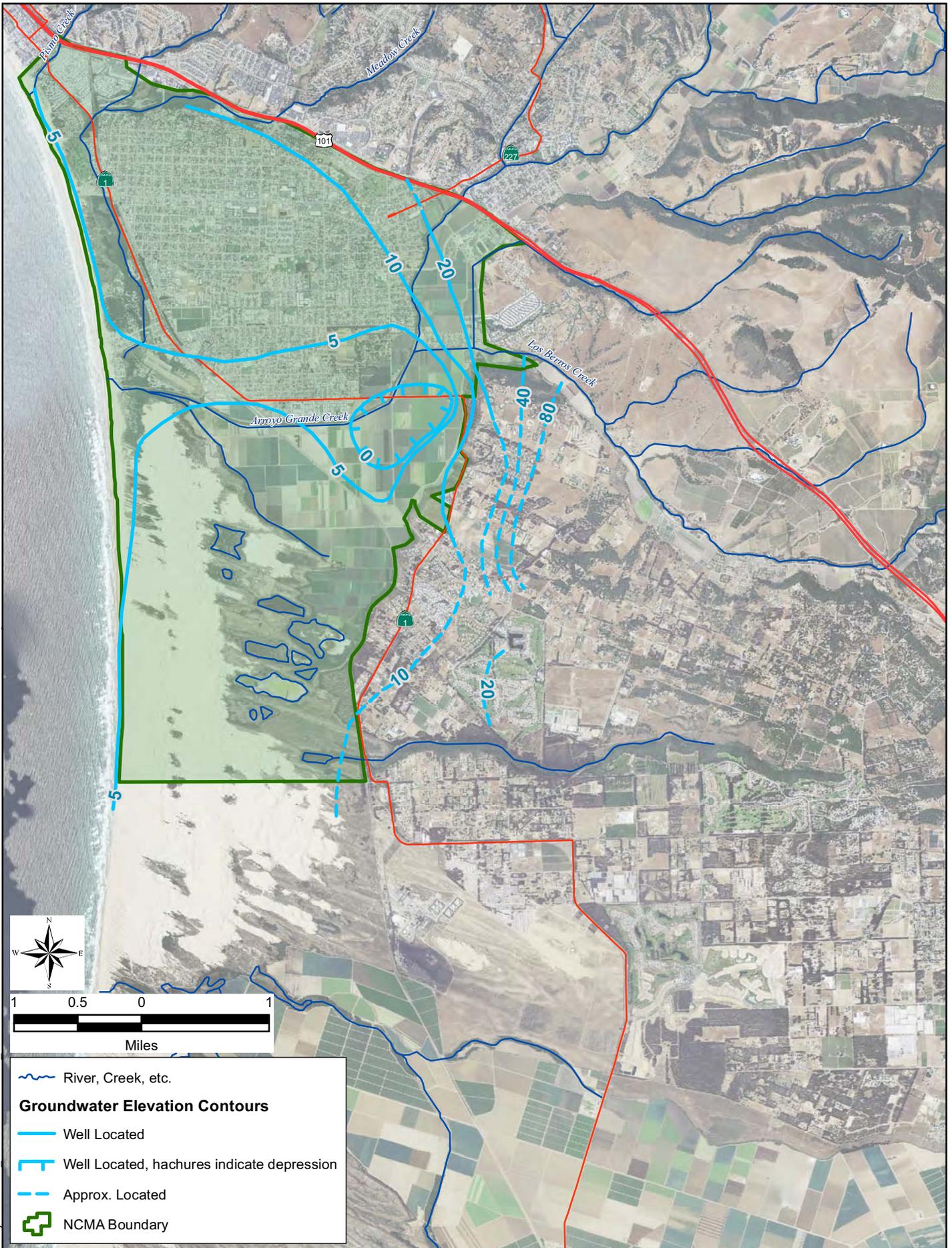


**LEGEND**

- ⊕ Well Used in Contouring
- — — October 2009 Groundwater Elevation Contour (feet, MSL), Dashed where uncertain
- Creeks

April 2010  
 TODD ENGINEERS  
 Alameda, California

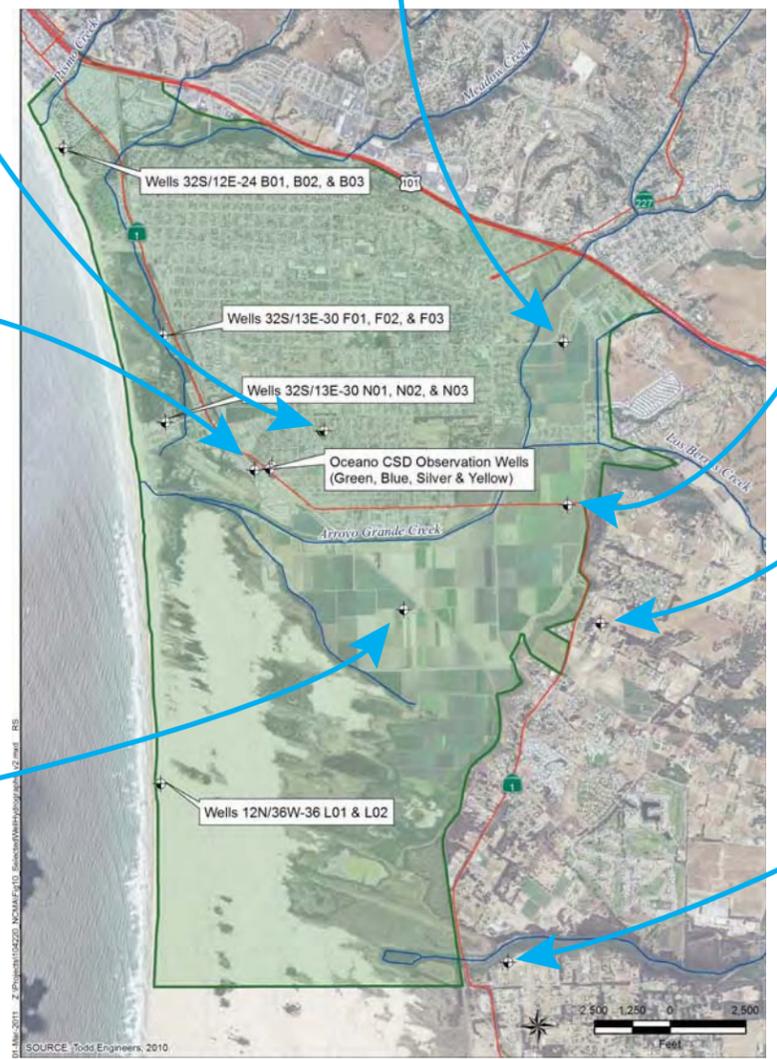
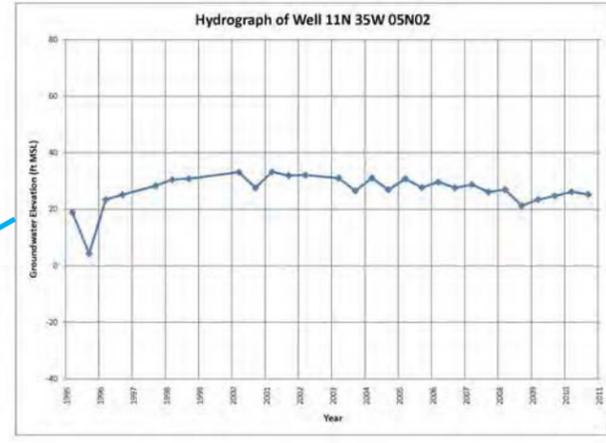
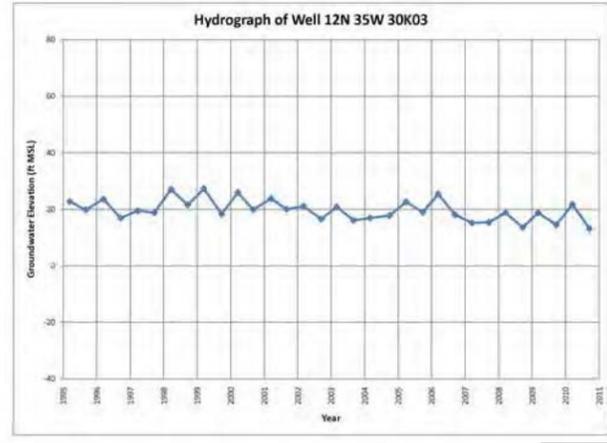
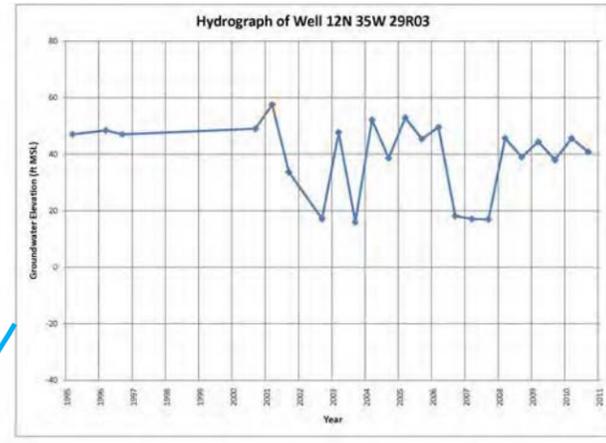
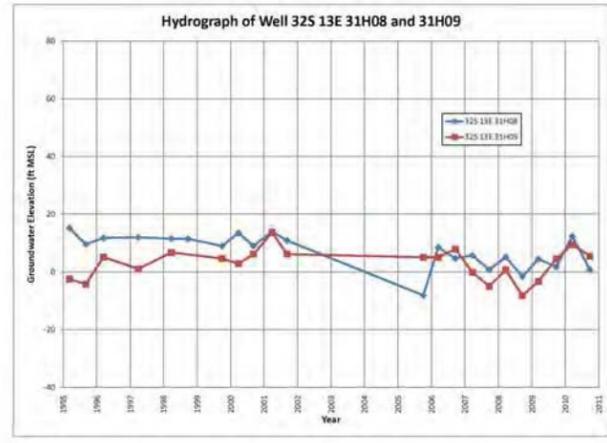
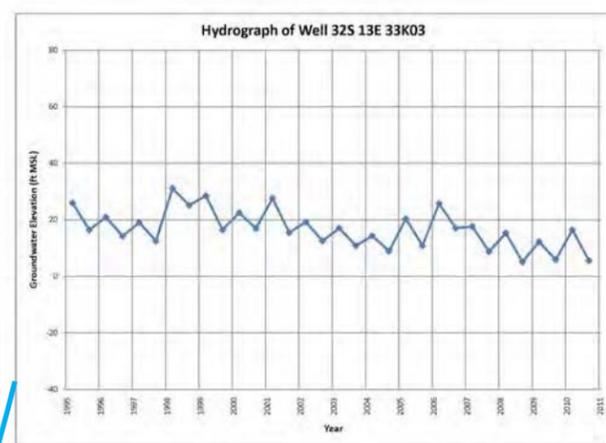
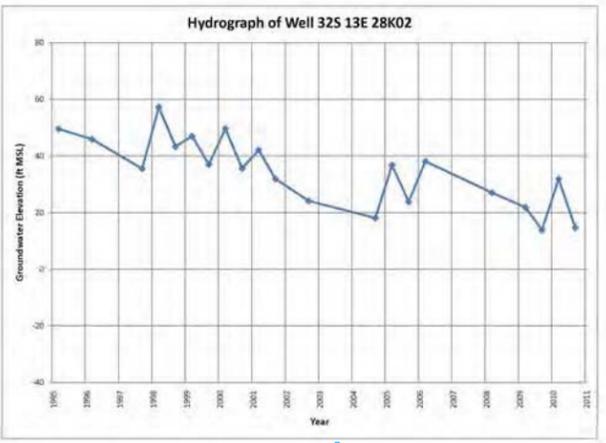
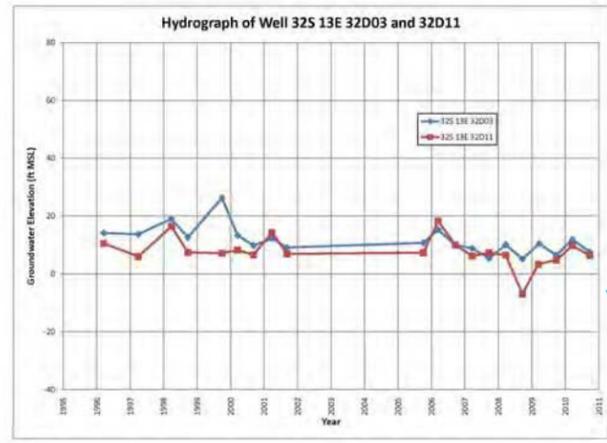
**Figure 9**  
**October 2009**  
**Groundwater Elevation**  
**Contours**



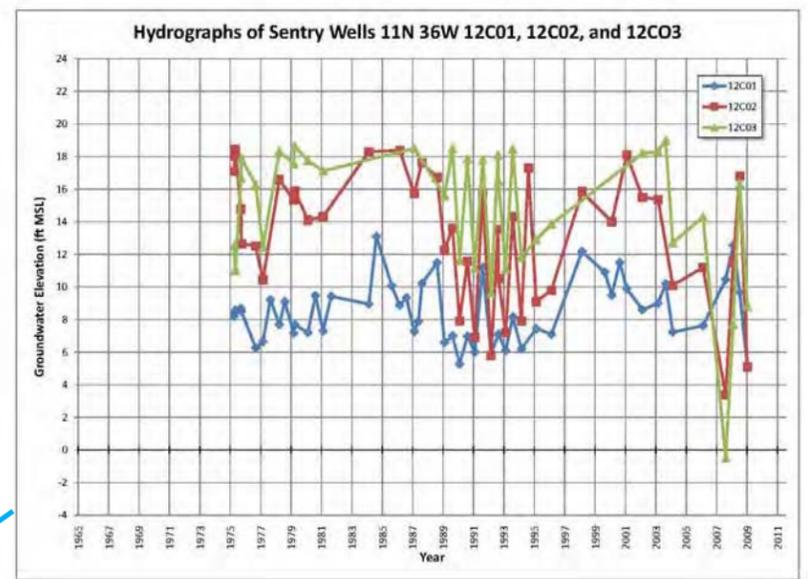
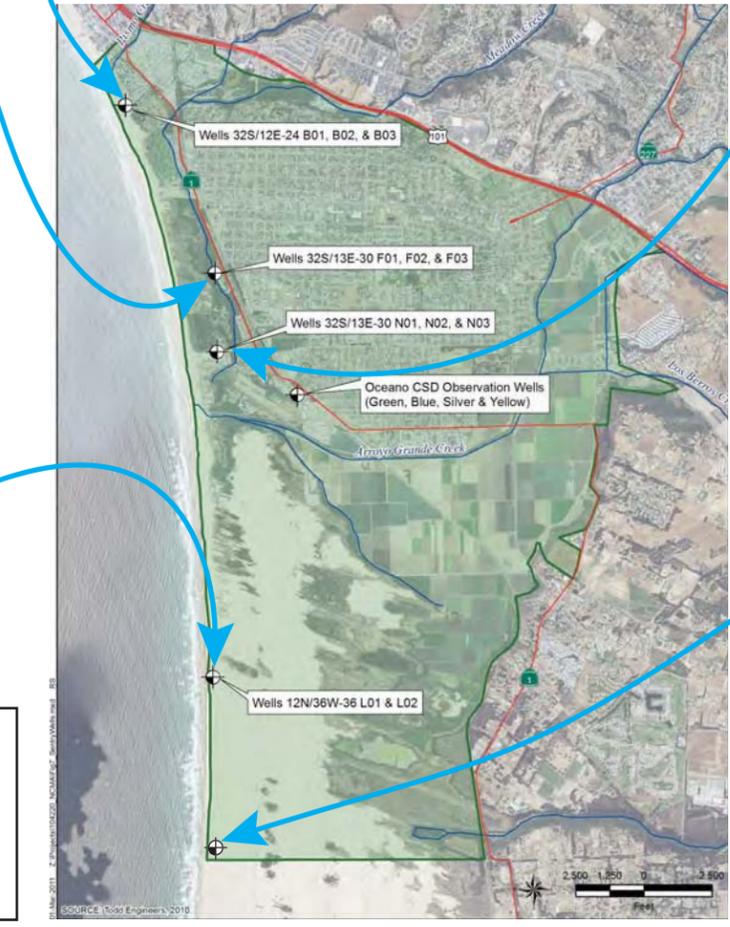
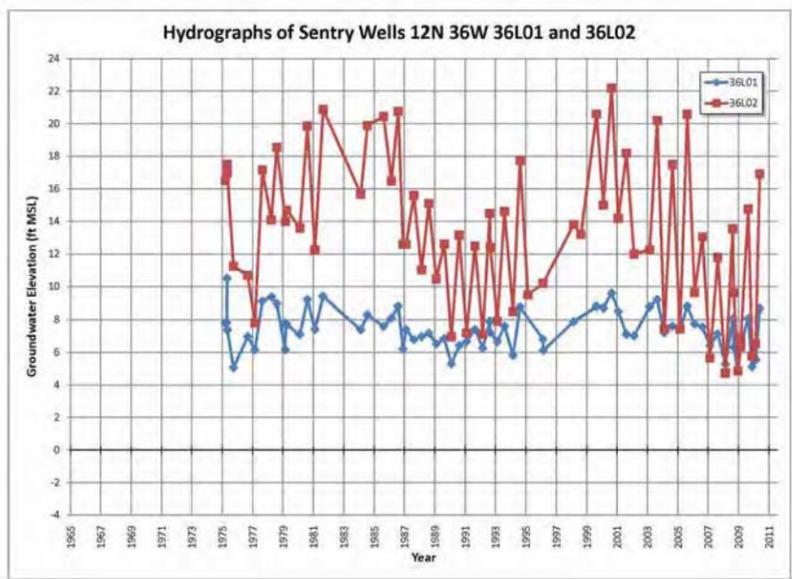
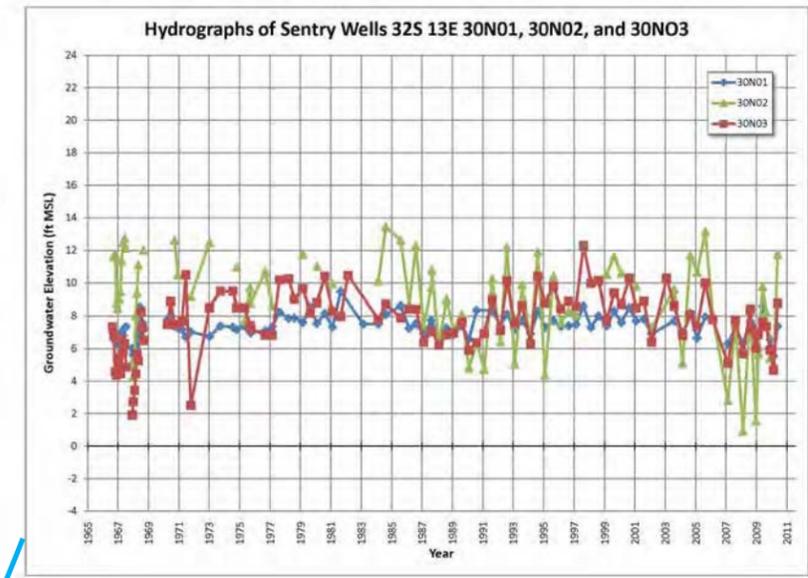
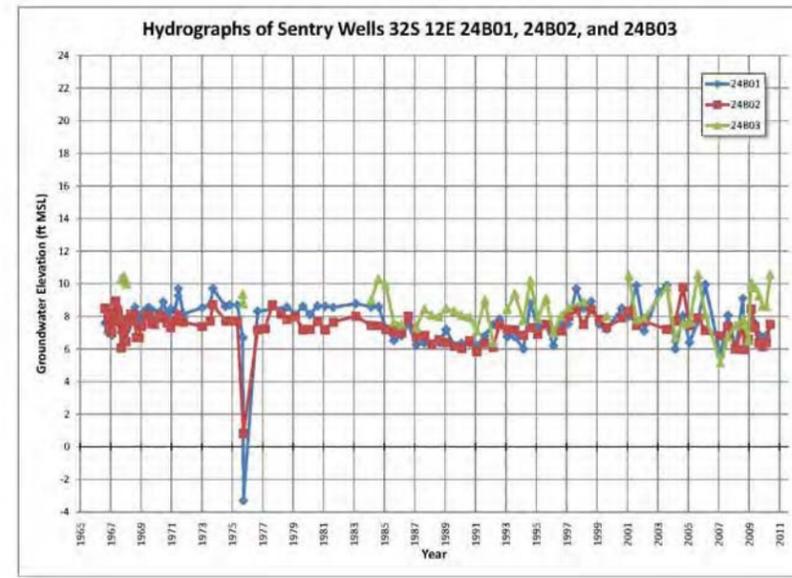
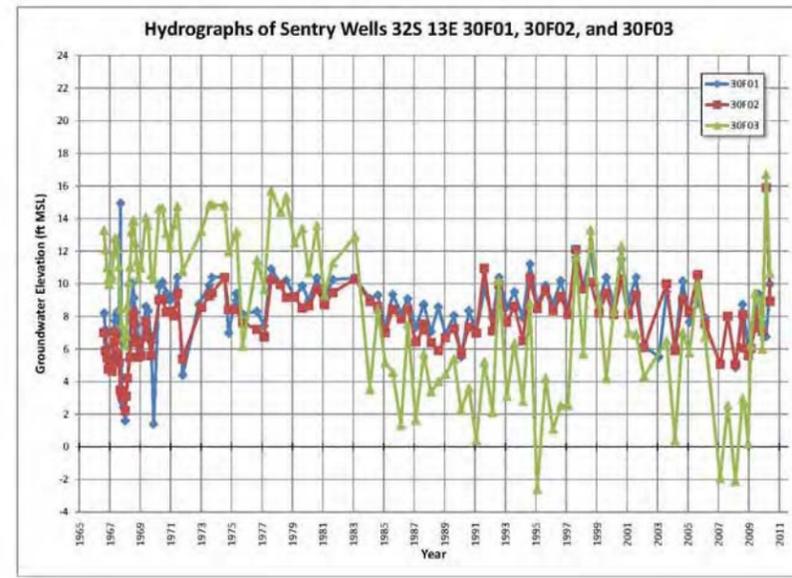
26-Apr-2011 Z:\Projects\104220\_NCMA\GWElevations\_Oct2010.mxd SET



- River, Creek, etc.
- Groundwater Elevation Contours**
- Well Located
- Well Located, hachures indicate depression
- Approx. Located
- NCMA Boundary

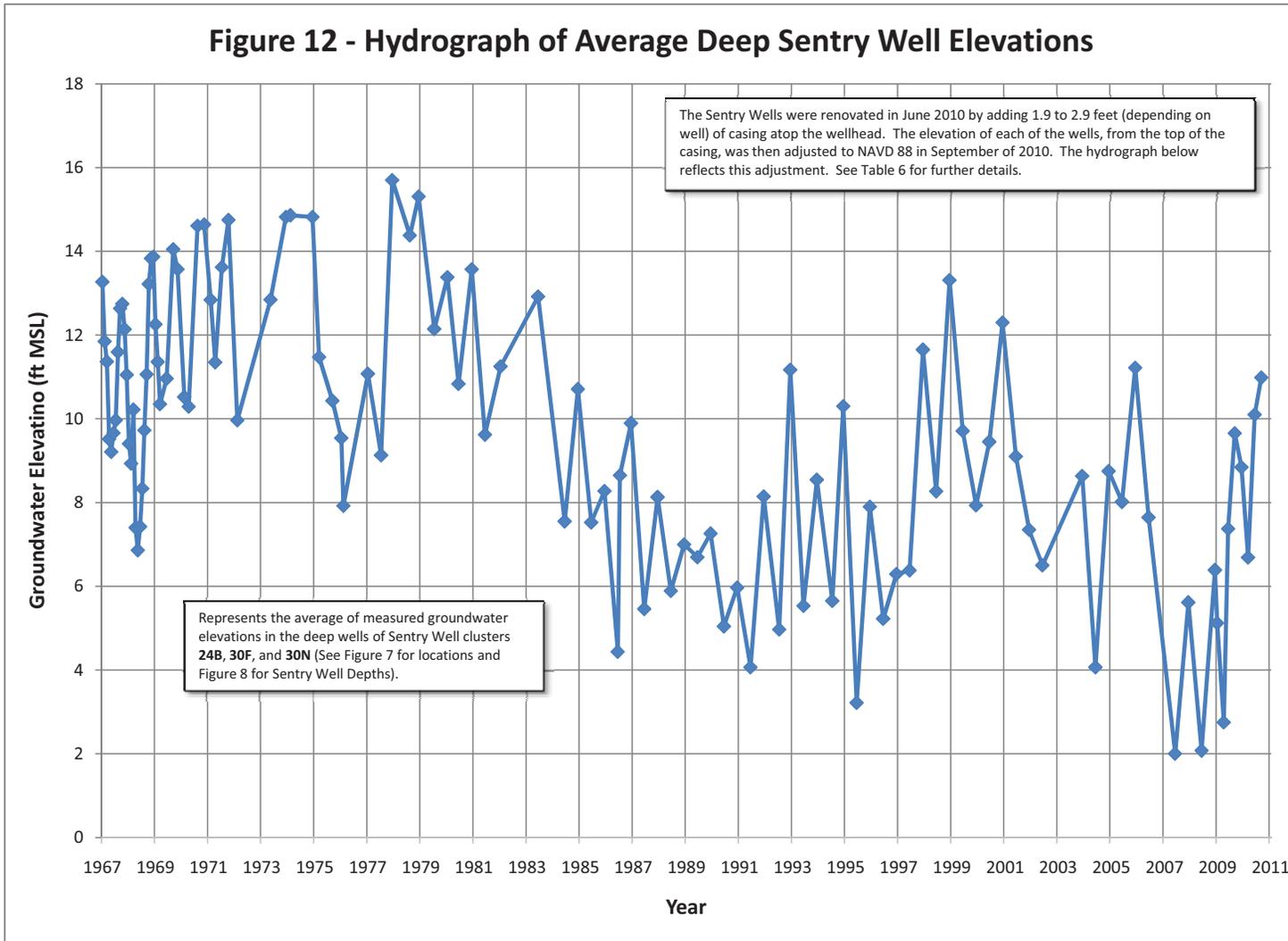


**LEGEND**  
 Selected Well



**LEGEND**  
 ⊕ Sentry Well  
 ◆ Shallow Well  
 ■ Intermediate Well  
 ▲ Deep Well

**Figure 12 - Hydrograph of Average Deep Sentry Well Elevations**



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**APPENDIX J – GENTLEMEN’S AGREEMENT**

**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

**APPENDIX K – SANTA MARIA RIVER VALLEY  
GROUNDWATER BASIN ADJUDICATION JUDGMENT**

**FILED**

JAN 25 2008

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

**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

AND RELATED CROSS-ACTIONS AND  
ACTIONS CONSOLIDATED FOR ALL  
PURPOSES

**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 “1,” 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 “1,”* 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

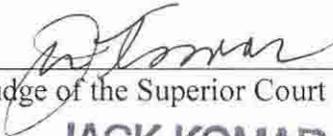
1 by filing a written notice with the court. Any Party desiring to be relieved of receiving notices  
2 may file a waiver of notice on a form approved by the court. The court shall maintain at all  
3 times a current list of Parties to whom notices are to be sent and their addresses for purposes  
4 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

  
\_\_\_\_\_  
Judge of the Superior Court  
**JACK KOMAR**

---

**APPENDIX L – WATER SHORTAGE CONTINGENCY PLAN**

***WATER SHORTAGE CONTINGENCY PLAN***

***CITY OF PISMO BEACH  
PUBLIC WORKS DEPARTMENT  
1000 BELLO STREET  
PISMO BEACH, CA 93449***

***(805) 773-4656***

***SEPTEMBER 1992***

## INTRODUCTION

*The California legislature enacted Assembly Bill 11X during the 1991 legislative session which amended Sections 10620, 10621, 10631, and 10652 and added Section 10656 to the California Water Code. Assembly Bill 11X mandated that every urban water supplier providing municipal water directly or indirectly to more than 3000 customers or supplying more than 3000 ac.ft. annually to develop a Water Shortage Contingency Plan. The legislature further mandated that the plan be filed with the California Department of Water Resources before January 31, 1992.*

*The legislation also specifically called for a certain format to be followed in the preparation of the plan, and the attached plan prepared by the City of Pismo Beach is in conformance with the requirements of the Assembly Bill. The legislation further provided that a public hearing must be held by City Council to adopt the Water Shortage Contingency Plan, and that a resolution of City Council be approved with the adoption of the plan.*

*The Public Works Commission of the City of Pismo Beach reviewed and sent a plan forward to City Council with revisions during August 1992. The City Council of the City of Pismo Beach reviewed the plan at a public hearing on September 15, 1992 and adopted Resolution 92-92 which approved the plan and directed that the plan be forwarded to the California Department of Water Resources.*

## *SECTION I*

### *Past, Current, and Projected Water Use*

*As identified in the November 6, 1989 Status Report for City Water Supplies, prior to 1983 the City's water use ranged between 155 and 200 gpcd, but started increasing in the mid to late 80's, and peaked at 245 gpcd in 1989 (Exhibit 1). However, this trend changed when per capita water use decreased because of the drought and the implementation of mandatory water conservation measures (Exhibit 2).*

*Currently the per capita water use is approximately 205 gpcd, and the City's is projecting that amount of water use per capita in projecting our long-term water needs. The City currently has sufficient water for our existing population. Based upon our current General Plan buildout we have the potential to develop the equivalent of 2780 residential units.*

*At an average City water demand of .4 ac.ft. per residential unit per year, the City therefore needs 1100 ac.ft. of water to meet the buildout needs of the General Plan.*

## *SECTION II*

### *Available Water Supply*

*On November 6, 1989, the City Council adopted urgent water policies after concluding that the City had overcommitted its firm water supply. The City then implemented a Mandatory Water Conservation Ordinance, a "Retrofit" Ordinance (requiring that new users must provide their own water by retrofitting existing fixtures), and directed staff to pursue all possible means of bringing to the City new reliable water supplies. Current City water supplies are both from groundwater and surface water, and the City in May 1992 contracted for 1100 ac.ft. of State Water to meet the needs of our current General Plan buildout population.*

## SECTION III

### *Status of Action*

*The City's Mandatory Water Conservation Ordinance (Exhibit 2) has four stages of water supplies, from normal water supply to critical water supply conditions. The critical water supply condition allows the City to impose any water rationing requirement which it deems appropriate to protect the public health, safety, welfare, comfort and convenience of our citizens. Additionally, the City's Water Contingency Plan (Exhibit 5) outlines steps the City could take to augment water supplies and reduce the level of rationing.*

## SECTION IV

### *Mandatory Provisions to Reduce Water Use*

*As stated earlier, in May 1990 the City adopted Ordinance 90-10 which is the City's Mandatory Water Conservation Ordinance. Under our first three conditions of water supply, normal, moderately restricted, and severely restricted, the City prohibits water use as follows:*

- 1. Use of water which results in excessive gutter runoff is prohibited.*
- 2. Outdoor water use, except irrigation, is prohibited such that it will not be used for cleaning driveways, patios, parking lots, sidewalks, streets, and washing cars by use of a hose is prohibited.*
- 3. Outdoor irrigation is prohibited between the hours of 10:00 a.m. and 4:00 p.m., and irrigation of private and public landscaping, turf areas and gardens is permitted at even numbered addresses only on Mondays Thursdays and at odd-numbered addressed on Tuesdays and Fridays.*
- 4. Restaurants may not serve water unless requested by the customer.*

5. *Emptying and refilling swimming pools is prohibited.*
6. *Use of potable water for compaction or dust control is prohibited.*

## **SECTION V**

### ***Consumption Limits During Mandatory Stages***

*The City does not have pre-established guidelines for reduced consumption at our critical water supply condition since those would have to be set based upon the estimated reduction in water supplies. The City would obtain compliance with any rationing effort through a billing methodology that would penalize users who use more than their water allocation.*

## **SECTION VI**

### ***Excessive Use Surcharges***

*It is anticipated that excessive use surcharges on the system would be established when customers exceeding their target allocation and would be billed a 100 percent surcharge per each increment of water use that exceeds the allocation by 25 percent.*

## **SECTION VII**

### ***Analysis of Financial Impact on Revenue***

*To understand how the City plans for the financial impact of conservation, it is necessary to understand how the water rate structure was designed.*

*In April 1992 City Council adopted a water rate following extensive review by the City's Public Works Commission which is a inclined block rate with five steps. Exhibit 3 is a copy of the City Water Equity Study completed in 1992 showing the rationale for the current water rates.*

*Our water rate model is in computer form and City staff can quickly adjust the*

*variables of the rate structure so that a lower projected water consumption would generate a new rate based upon the revenue needed in the Water Enterprise fund.*

## **SECTION VIII**

### ***Ordinances and Resolutions***

*Enclosed as Exhibit 4 is a package of ordinances and resolutions adopted by the City since November 1989.*

## **SECTION IX**

### ***Tracking Mechanism to Verify Actual Reductions***

*Every service in the City is metered and read bi-monthly. Our meter readings are computerized, and within one day of meter reading the City would have the information to see if actual water reductions were occurring. From the water meter reading, adjustments and recommendations could be made if the reductions were not meeting the targeted conservation.*

***EXHIBIT 1***

PER CAPITA WATER PRODUCTION

YEAR	PRODUCTION (AC.FT.)	POPULATION	PER CAPITA WATER USE (GAL/DAY)
1972	812	4430	164
1973	797	4630	154
1974	839	4829	155
1975	901	4910	164
1976	1185	4900	216
1977	1107	4890	202
1978	1133	4970	204
1979	1120	5150	194
1980	1124	5364	187
1981	1172	5450	192
1982	1168	5650	189
1983	1183	6020	175
1984	1465	6180	212
1985	1435	6430	199
1986	1597	7130	200
1987	1691	7220	209
1988	1943	7370	235
1989	2064	7520	245
1990	1995	7669*	232
1991	1812	7822	206

15-YEAR  
AVERAGE  
= 205 gpcd

\*1990 Census

***EXHIBIT 2***

AN ORDINANCE OF THE CITY OF PISMO BEACH ADDING CHAPTER 13.06  
OF THE CITY MUNICIPAL CODE; INSTITUTING MANDATORY WATER  
CONSERVATION MEASURES

WHEREAS, the City of Pismo Beach, like all Central Coast communities depends on water supplies recharged by rainfall, and in times of drought water supplies are restricted; and

WHEREAS, municipal water supply is a critical service to the well being of the City, and all water customers should act with this knowledge in regard to the use of water; and

WHEREAS, in order to manage the City's water supply for the greatest longterm public benefit, and with particular regard to domestic use, sanitation and fire protection, it is necessary to restrict the essential uses of water within the City's service area; and

WHEREAS, the water uses prohibited and restricted by this ordinance are hereby determined to be non-essential; and

WHEREAS, it is necessary for the immediate preservation of the public peace, health, welfare, safety, comfort and convenience that the City enact mandatory water conservation measures to the fullest extent of the law, in order to ensure a continuing adequate water supply for the citizens of the City of Pismo Beach.

NOW, THEREFORE, the City Council of the City of Pismo Beach does ordain as follows:

1. In accordance with Government Code Section 36936, the City Council makes each and all of the listed findings and statements set forth above.
2. Section 13.06 is hereby added to the Municipal Code of the City of Pismo Beach as follows:

Chapter 13.06

Sections:

- 13.06.010 Chapter Purpose
- 13.06.020 Declaration of Water Supply Conditions
- 13.06.030 Normal Water Supply Condition
- 13.06.040 Moderately Restricted Water Supply Conditions
- 13.06.050 Severely Restricted Water Supply Conditions
- 13.06.060 Critical Water Supply Conditions
- 13.06.070 Penalties for Non-Compliance

MANDATORY WATER CONSERVATION MEASURES

13.06.010 Chapter Purpose.

The purpose of this Chapter is: (a) to protect the public health, safety, welfare, comfort and convenience by ensuring that the City water demand does not exceed the available supply of water; (b) to define the steps necessary to ensure sufficient water supply for human consumption, sanitation, and fire protection under all foreseeable water supply conditions; (c) to establish resource management consistent with State law, the authority of the City to implement resource management regulations and restrictions with regard to the use of water; (d) to maximize the public benefit and prevent unnecessary hardship and economic impact during periods of water shortages by matching appropriate water shortage response strategies to various levels of shortage.

It is the intent of this chapter to recognize that there may be varying durations and intensities of water shortages, and to apply water use restrictions and management techniques commensurate with the water supply.

13.06.020 Declaration of Water Supply Conditions

The City Council shall from time to time adopt resolutions declaring the level of the City water supply condition, which in turn will dictate the water conservation measures in effect at any particular time within the City. The four levels of water supply conditions are: (1) normal water supply condition, (2) moderately restricted water supply condition, (3) severely restricted water supply condition, (4) critical water supply condition. Upon adoption of the required resolution, the restrictions and measures identified in this ordinance shall take affect immediately.

13.06.030 Normal Water Supply Condition.

1. Outdoor water use for washing vehicles, boats, paved surfaces, buildings or other similar uses shall be attended and have hand-controlled water devices, typically including spring-loaded shutoff nozzles.
2. Outdoor irrigation resulting in excessive gutter runoff is prohibited.
3. Restaurants shall serve drinking water only in response to a specific request by a customer.

13.06.040 Moderately Restricted Water Supply Conditions.

1. Use of water which results in excessive gutter runoff is prohibited.
2. Outdoor water use for washing vehicles, boats, buildings or other similar uses shall be attended and have hand-controlled watering devices, typically including spring-loaded shutoff nozzles.
3. No water shall 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.
4. Outdoor irrigation
  - a. Outdoor irrigation is prohibited between the hours of 10 a.m. and 4:00 p.m.
  - b. 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. All customers are directed to use no more water than necessary to maintain landscaping.
5. Restaurants shall serve drinking water only in response to a specific request by a customer.
6. Use of potable water for compaction or dust-control purposes in construction activities is prohibited.

13.06.050 Severely Restricted Water Supply Conditions

1. Use of water which results in excessive gutter runoff is prohibited.
2. Outdoor water use (except irrigation)
  - a. No water shall be used for cleaning driveways, patios, parking lots, sidewalks, streets, or other such use except where necessary to protect the public health and safety.
  - b. Washing cars by use of a hose is prohibited. Use of a bucket is permitted subject to non-wasteful applications.
3. Outdoor Irrigation
  - a. Outdoor irrigation is prohibited between the hours of 10 a.m. and 4:00 p.m.

- b. 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 on Tuesdays and Fridays. All customers are directed to use no more water than necessary to maintain landscaping.
4. Restaurants will serve water only in response to a specific request by a customer.
5. 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.
6. Use of potable water for compaction or dust-control purposes in construction activities is prohibited.

#### 13.06.060 Critical Water Supply Conditions

In addition to 13.06.050, the City Council may impose any water rationing requirement as it deems appropriate to protect public health, safety, welfare, comfort and convenience.

#### 13.06.070 Penalties for Non-Compliance

1. Violation of any provision of this chapter may result in termination of water service until such violation is corrected, and until all appropriate fees and penalties are paid in full.
2. An administrative procedure shall be established by resolution of the City Council from time to time for enforcement of this section. Such procedures shall include, without limitation, at least the following factors:
  - a. Provisions for notice to the alleged offender, including the furnishing of informational material and advice where appropriate.
  - b. Comprehensive guidelines for staff use in determining whether or not the offense justifies disconnection of the water service.
  - c. An opportunity for the alleged offender to be heard at the department head level or above before the water service is disconnected, except in cases of continuing deliberate water wasting.
  - d. Provisions for City recovery of all staff costs, including overhead, for any second or greater offense within any one-year period.
  - e. A schedule of additional civil administrative penalties for any third or greater offense within any one year period.
  - f. The right to appeal first to the Public Works Commission, and then to the City Council, subject to prior deposit of all fees and penalties then due and owing, plus the payment of appeal fees as established by the procedural resolution.

#### 13.06.080 Violation - a Misdemeanor

In addition to, and completely separate from, the civil enforcement provisions in this ordinance, any person who knowingly and willfully violates the provisions of this ordinance shall be guilty of a criminal misdemeanor, punishable as provided in the General Penalty provisions of the Municipal Code. All previous attempts by the City to obtain compliance by the defendant may be introduced as evidence of offender's knowledge and willfulness.

This Ordinance shall be in full force and effect thirty (30) days after its passage, and before the expiration of fifteen (15) days after the passing of this Ordinance, it shall be posted with the names of the members voting for and against the same, in three public places within the City of Pismo Beach, to wit:

1. The United States Post Office, Pismo Beach
2. The United States Post Office, Shell Beach
3. Pismo Beach City Hall

INTRODUCED at a regular meeting of the City Council held this 14th day of May, 1990, on motion of Councilmember Baker, seconded by Councilmember Foster, and on the following roll call vote, to wit:

AYES: Councilmembers Baker, Foster, Eldwayen, Fiorentino and Mayor Morrow.

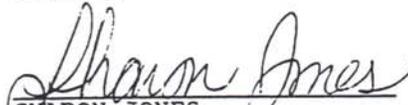
NOES: None

ABSENT: None

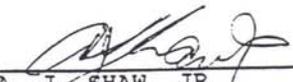
ABSTAIN: None

  
DICK MORROW, Mayor

ATTEST:

  
SHARON JONES  
City Clerk

APPROVED AS TO FORM:

  
A. J. SHAW, JR.  
City Attorney

PASSED AND ADOPTED at a regular meeting of the City Council held this 29th day of May, 1990, on motion of Councilmember Fiorentino, seconded by Councilmember Eldwayen, and on the following roll call vote, to wit:

AYES: Councilmembers Fiorentino, Eldwayen, Baker, Foster and Mayor Morrow.

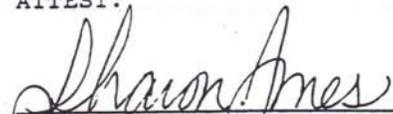
NOES: None

ABSENT: None

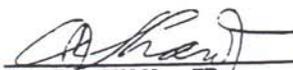
ABSTAIN: None

  
DICK MORROW, Mayor

ATTEST:

  
SHARON JONES  
City Clerk

APPROVED AS TO FORM:

  
A. J. SHAW, JR.  
City Attorney

***EXHIBIT 3***

RESOLUTION NO. R-89-127

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PISMO BEACH ESTABLISHING A WATER CONSERVATION PROGRAM TO REGULATE THE ADDITION OF NEW WATER USES; PROVIDE OFF-SITE RETRO-FIT GUIDELINES AND ADMINISTRATIVE PROCEDURES TO RECOGNIZE VARIOUS WATER RESOURCE CONSERVATION MEASURES PURSUANT TO AND IMPLEMENTING URGENCY ORDINANCE NO. O-89-19

THE CITY COUNCIL HEREBY RESOLVES:

Section 1: Intent

It is the intent of this Resolution to provide implementation guidelines and retro-fit guidelines to facilitate the administration of Urgency Ordinance No. O-89-19. This Resolution shall clarify the means by which applications may be made to the City so that development may proceed in an orderly manner consistent with the City's General Plan. It is the intent to identify herein various conservation measures that may be available to the public and various conservation measures that the Community Development Department and Public Works Department may accept and review in considering projects. The purpose of this Resolution is to facilitate a means by which any new construction building permits before the City's Community Development Department, and Building Division may be considered and issued. The urgency water conservation regulations shall apply to the application for an issuance of any building permit, which in the determination of the Community Development Director and/or City Engineer may result in increased water consumption.

Section 2: Prohibitions

Urgency Ordinance No. O-89-19 authorizes the Community Development Department to issue building permits only to those projects where it has been demonstrated to the satisfaction of the Community Development Director and/or City Engineer that the applicant can participate in and provide water conservation measures and remedies to the existing critical City water supply deficiency system that results in a proportionate decrease in the existing city water demand by reducing existing demand in proportion to proposed demand in a ratio of at least 1.5:1. This shall be interpreted as follows:

1. That applicants shall, from the City's existing demand, release through conservation and retro-fit measures 1.5 units (acre feet, cubic feet, gallons) of water for every unit (acre feet, cubic feet, gallons) of water that is required for the project.

Section 3: Consumption Values

The following values are assigned to projects within the City:

1. a. Single family residences shall consume .4 a.f.y.  
b. Multi-family residences shall consume .3 a.f.y.  
c. Hotel rooms shall require .16 a.f.y. average annual use
2. a. For each single family residential water allocation requested, the applicant shall provide a .6 a.f.y. reduction in demand.  
b. For each multi-family residential unit water allocation requested, the applicant shall provide a .45 a.f.y. reduction in demand.  
c. For each hotel room water allocation requested, the applicant shall provide a .24 a.f.y. reduction in demand.

Any other projects, or any other form of commercial or residential development shall require the submission of calculations of saving and consumption for verification by the City's Engineering department prior to issuance of permits. Each project shall provide 1.5 x the estimated annual average use of its project requirement.

Section 4: Regulative actions taken by the City pursuant to Urgency Ordinance No. O-89-19.

1. Planners shall make water conservation recommendations when reviewing and writing Environmental Impact Reports and Environmental Assessments.
2. Large water users shall develop and provide their own conservation programs at the time of application and prior to use permitting.
3. Self-closing faucets shall be installed in all public and large commercial and industrial buildings prior to issuance of permits.
4. All new construction or development shall require low water using landscapes and water efficient irrigation systems.
5. Buildings shall be internally water efficient.

Section 5: Guidelines:

- a. Low-water using plants shall be used wherever possible.
- b. The use of large areas of turf shall generally be limited to active use areas and should be that of low water using drought tolerant variety. The relationship between turf and the size of a property shall be such that no amount of turf shall be permitted that is greater than 10% of the area of the property.
- c. Existing trees and shrubs landscaped areas except turf shall be mulched in all projects. Efficient irrigation systems shall be required on all projects. The landscaped design should minimize run-off through appropriate grading and plant selection. The project shall also be reviewed for shade tree designs and windbreaks which will put in place to encourage and provide adequate shield for reducing evaporation and dehydration. All large projects shall utilize drip irrigation systems wherever feasible for shrubs. The use of sprinklers shall generally be discouraged. Wherever feasible large projects shall install ground and air moisture sensors and link them to the timing systems for the irrigation system.
- d. Water conservation devices shall be incorporated into all new development. These devices shall consist of ultra-low (1-1/2 gallon) toilets, ultra low-flow shower heads, faucets, sinks and any water outlet in any building whether residential or commercial. These regulations shall apply to any new units or additions to units in which water use would be increased. More specifically, this would mean that there shall be no addition of units without consistency with these water regulations programs.

Section 6: Exceptions:

1. Projects providing a proven assignable source of water from other than existing City supplies.

Section 7: Encouragement

Conservation Programs providing for retro-fitting of existing landscaping and/or dwellings or buildings within the City shall be encouraged. Areas which can be easily retro-fitted should include City parks, public schools, any public or governmental agency's buildings or facilities, including schools, school shower rooms; large hotels, single family & multi family homes, mobile home parks; applicants are encouraged to advertise in the newspaper requesting that people enter into an agreement with them to modify their existing plumbing systems and buildings and grounds. Various City parks, public right-of-ways shall be considered to be fine candidates for this type of retro-fit program. This resolution does not supersede any other ordinances or policies of the City except as to the manner in which water shall be provided to projects. The City's existing growth management system and other provisions shall remain in effect.

ON MOTION of Councilmember Baker, seconded by Councilmember Fiorentino, the foregoing Resolution is hereby passed and adopted this 13th day of November, 1989, by the following roll call vote, to wit:

AYES Councilmembers Baker, Fiorentino, Eldwaven, Foster and Mayor Morrow

NOES: None

ABSTAIN: None

ABSENT: None

*Dick Morrow*  
DICK MORROW, Mayor

ATTEST:  
*Sharon Jones*  
SHARON JONES  
CITY CLERK

APPROVED AS TO FORM:  
*A. J. Shaw, Jr.*  
A. J. SHAW, JR.  
CITY ATTORNEY



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**APPENDIX M – WATER CONSERVATION ORDINANCE**

## Chapter 13.24 WATER CONSERVATION

### **13.24.010 Purpose—Intent.**

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A. The purpose of this chapter is:

1. To protect the public health, safety, welfare, comfort and convenience by ensuring that the city water demand does not exceed the available supply of water;
2. To define the steps necessary to ensure sufficient water supply for human consumption, sanitation and fire protection under all foreseeable water supply conditions;
3. To establish resource management consistent with state law, the authority of the city to implement resource management regulations and restrictions with regard to the use of water;
4. To maximize the public benefit and prevent unnecessary hardship and economic impact during periods of water shortages by matching appropriate water shortage response strategies to various levels of shortage.

B. It is the intent of this chapter to recognize that there may be varying durations and intensities of water shortages, and to apply water use restrictions and management techniques commensurate with the water supply. (Ord. 90-10 § 2 (part), 1990: prior code § 13.06.010)

### **13.24.020 Declaration of water supply conditions.**

---

A. The city council shall from time to time adopt resolutions declaring the level of the city water supply condition, which in turn will dictate the water conservation measures in effect at any particular time within the city. The four levels of water supply conditions are:

1. Normal water supply condition;
2. Moderately restricted water supply condition;
3. Severely restricted water supply condition; and
4. Critical water supply condition.

B. Upon adoption of the required resolution, the restrictions and measures identified in this chapter shall take effect immediately. (Ord. 90-10 § 2 (part), 1990: prior code § 13.06.020)

### **13.24.030 Normal water supply conditions.**

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Normal water supply conditions are typified by the following:

A. Outdoor water use for washing vehicles, boats, paved surfaces, buildings and other similar uses shall be attended and have hand-controlled water devices, typically including spring loaded shutoff nozzles.

B. Outdoor irrigation resulting in excessive gutter runoff is prohibited.

C. Restaurants shall serve drinking water only in response to a specific request by a customer. (Ord. 90-10 § 2 (part), 1990: prior code § 13.06.030)

### **13.24.040 Moderately restricted water supply conditions.**

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Moderately restricted water supply conditions are typified by the following:

- A. Use of water which results in excessive gutter runoff is prohibited.
- B. Outdoor water use for washing vehicles, boats, buildings or other similar uses shall be attended and have hand-controlled watering devices, typically including spring-loaded shutoff nozzles.
- C. No water shall 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.
- D. Outdoor Irrigation.
  - 1. Outdoor irrigation is prohibited between the hours of ten a.m. and four p.m.;
  - 2. 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. All customers are directed to use no more water than necessary to maintain landscaping.
- E. Restaurants shall serve drinking water only in response to a specific request by a customer.
- F. Use of potable water for compaction or dust control purposes in construction activities is prohibited. (Ord. 90-10 § 2 (part), 1990: prior code § 13.06.040)

**13.24.050 Severely restricted water supply conditions.**

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- A. Use of water which results in excessive gutter runoff is prohibited.
- B. Outdoor Water Use--Except Irrigation.
  - 1. No water shall be used for cleaning driveways, patios, parking lots, sidewalks, streets or other such use except where necessary to protect the public health and safety;
  - 2. Washing cars by use of a hose is prohibited. Use of a bucket is permitted subject to non-wasteful applications.
- C. Outdoor Irrigation.
  - 1. Outdoor irrigation is prohibited between the hours of ten a.m. and four p.m.;
  - 2. 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. All customers are directed to use no more water than necessary to maintain landscaping.
- D. Restaurants shall serve drinking water only in response to a specific request by a customer.
- E. 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.
- F. Use of potable water for compaction or dust control purposes in construction activities is prohibited. (Ord. 90-10 § 2 (part), 1990: prior code § 13.06.050)

**13.24.060 Critical water supply conditions.**

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In addition to the conditions specified in Section 13.24.050, the city council may impose any water rationing requirement as it deems appropriate to protect public health, safety, welfare, comfort and convenience. (Ord. 90-

10 § 2 (part), 1990: prior code § 13.06.060)

### **13.24.070 Penalties for noncompliance.**

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A. Violation of any provision of this chapter may result in termination of water service until such violation is corrected, and until all appropriate fees and penalties are paid in full.

B. An administrative procedure shall be established by resolution of the city council from time to time for enforcement of this section. Such procedures shall include, without limitation, at least the following factors:

1. Provisions for notice to the alleged offender, including the furnishing of informational material and advice where appropriate;

2. Comprehensive guidelines for staff use in determining whether or not the offense justifies disconnection of the water service;

3. An opportunity for the alleged offender to be heard at the department head level or above before the water service is disconnected, except in cases of continuing deliberate water wasting;

4. Provisions for city recovery of all staff costs, including overhead, for any second or greater offense within any one-year period;

5. A schedule of additional civil administrative penalties for any third or greater offense within any one year period;

6. The right to appeal first to the public works commission, and then to the city council, subject to prior deposit of all fees and penalties then due and owing, plus the payment of appeal fees as established by the procedural resolution. (Ord. 90-10 § 2 (part), 1990: prior code § 13.06.070)

### **13.24.080 Violation--Penalty.**

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In addition to, and completely separate from, the civil enforcement provisions of the ordinance codified in this chapter, any person who knowingly and wilfully violates the provisions of this chapter shall be guilty of a criminal misdemeanor as provided in the general penalty provisions of this code. All previous attempts by the city to obtain compliance by the defendant may be introduced as evidence of the offender's knowledge and wilfulness. (Ord. 90-10 § 2 (part), 1990: prior code § 13.06.080)

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**APPENDIX N – WATER QUALITY REPORT (2009)**

*The City of Pismo Beach Water System met all  
Federal and State standards for drinking water during 2009.*

**WHERE THE RESIDENTS AND CONSUMERS  
OF PISMO BEACH GET THEIR WATER.**

**Surface Water**

Lopez Lake - The City is entitled to receive 896 acre feet per year, approximately 292 million gallons of water.

**State Water**

The City is entitled to receive 1100 acre feet per year, approximately 358 million gallons of water.

**Groundwater**

Arroyo Grande Aquifer - The City is entitled to extract 700 acre feet per year, approximately 228 million gallons of water.

**How Much Water Do We Use?** In 2009, The residents and visitors of Pismo Beach used approximately 2057 acre feet or 654 Million Gallons.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or human activity.

**WATER CONSERVATION REMINDER  
AVOID WASTEFUL USE**

**Contaminants that may potentially be present in untreated source water, surface water and well water include:**

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants such as salts and metals, which can be naturally occurring or result from urban storm runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities.

**CITY OF PISMO BEACH**

Customer Service: (805) 773-4656  
Date of Report: June 1, 2010  
Period Covered: Jan. 1, 2009 to Dec. 31, 2009

**CONSUMER CONFIDENCE REPORT**

PRE-SORT STANDARD  
U.S. POSTAGE  
**PAID**  
PISMO BEACH, CA  
93449  
PERMIT NO. 2  
ECRWSS



**RESIDENTIAL CUSTOMER  
PISMO BEACH, CA. 93449**

## 2009 Water Quality Data for Lopez Treatment Plant/State Water Project

**T**ables 1, 2, 3, 4, 5, 6, and 7 list all of the drinking water contaminants that were detected from **January 2009 through December 2009**, unless otherwise noted. The presence of these contaminants in water does not necessarily indicate that the water poses a health risk. The State allows us to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of our data, although representative, may be more than one year old. Water quality data for State water was provided by the Central Coast Water Authority.

Contaminants with a Primary Drinking Water Standard		
Table 1 - Treatment of surface water sources		
Turbidity Performance Standard – Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of the effectiveness of our filtration system Turbidity of combined filter effluent water must: 1. Be less than or equal to 0.3 NTU in 95% of measurements in a month 2. Not exceed 1.0 NTU for more than eight consecutive hours.	Treatment Technique for Lopez Project Conventional Treatment	Treatment Technique for Central Coast Water Authority (State Water) Conventional Treatment
Lowest monthly percentage of samples that met Turbidity Performance Standard 1.	99.5%	100%
Highest single turbidity measurement during the year.	0.15	0.04-0.12
The number of violations of any surface water treatment requirement.	0	0

Table 2 - Microbiological Contaminant's			Delivered Water		Lopez WTP		CCWA PPWTP		Potential Source of Contamination
Contaminant (reporting units)	MCL	PHG (MCLG) or (MRDLG)	Range	Average	Range	Average	Range	Average	
Total Coliform Bacteria (MPN/100mL)	>5.0% of monthly samples are positive	(0)	ND-1.6% (a,d)	0%-0.16% (a)		0	0-2.3%	0.2%	Naturally present in the environment.
Turbidity (NTU)	TT=1NTU	----	0.04-1.4(a)	0.10-0.09(a)	0.018-0.15(b)	0.029 (b)	ND	ND	Surface water runoff.
Heterotrophic plate count (CFU/mL)	TT = adequate disinfection	(0)	ND-115 ND-310 (a)	4-9(a)	ND-1	ND	0-1	0.3	Naturally present in the environment.
Fecal Coliform and E.coli (ppb)	---	0	--	--			0 Positives	0 Positives	Human and animal fecal waste.

Table 3 - Inorganic Contaminants									
Aluminum (ppb)	1	0.6	ND-0.100	ND		ND	ND-340	129	Erosion of natural deposits; residue from some surface water treatment processes.
Arsenic (ppb)	10	0.004		2		2.7	ND	ND	Runoff from orchards; natural deposits.
Fluoride (ppb)	2.0	1.0		0.307		0.397	.1	.1	Erosion of natural deposits.

Table 4 - Radioactive Contaminants									
Gross Beta Particle Activity (pCi/L)	15	----	7.3	7.3	ND-1.93 (2005)	0.8 (2005)	NC	NC	Erosion of natural deposits

Table 5 - Disinfection Byproducts, Disinfectant Residuals, and Disinfection Byproduct Precursors - FEDERAL RULE									
Contaminant (reporting units)	MCL	PHG (MCLG) or (MRDLs)	Delivered Water		Lopez WTP		CCWA PPWTP		Potential Source of Contamination
			Range	Average	Range	Average	Range	Average	
Total Trihalomethanes (ppb)	RAA = 80	----	21-27 20-41 (a,c)	24 34 (a,c)			46.0-65.0	54.6	By-product of drinking water chlorination.
Haloacetic Acids (ppb)	RAA = 60	----	10-12 10-38.4 (a,c)	11 17 (a,c)	10-16	13	7.3-14.0	11.0	By-product of drinking water disinfection.
Total Chlorine Residual (ppm)	MRDL = 4.0 as Cl <sub>2</sub>	[4]	0.60-4.4 (e) 0.85-3.2 (a,c)	2.3 2.4 (a,c)	0.48-5.2 (e)	2.2	1.1-2.9	2.0	Drinking water disinfectant added for treatment.
Chlorite (ppm)	1.0	0.05	0.28-0.74 ND-0.69 (a)	0.54 0.49 (a)	ND-0.98	0.72	ND	ND	By product of drinking water disinfectant.
Chlorite (ppb)	RAL=800	----	130-360 (a)	170 230 (a)	190-510	310	ND	ND	By product of drinking water disinfectant.
Chlorine Dioxide (ppb)	MRDL 800 as ClO <sub>2</sub>	[800]	ND-440 (a)	ND 160 (a)	ND-420	ND	ND	ND	Drinking water disinfectant added for treatment.

Table 6 - Detection of Contaminants with a Secondary Drinking Water Standard									
Aluminum (ppb)	200	----	ND-100	ND		ND			Residue from some surface water treatment processes.
Chloride (ppm)	500	NA	10.3-43.4	41.8	24.9-26.1	25.5	37-147	101	Runoff/leaching from natural deposits.
Color (CU)	15	----		3		1	ND	ND	Naturally occurring organic materials.
Corrosivity (LI)	Noncorrosive	----	ND	ND	ND	ND	noncorrosive	noncorrosive	Balance of hydrogen, carbon and oxygen in water, affected by temperature and other factors.
Iron (ppb)	300	NA	100				ND	ND	Leaching from natural deposits; industrial waste.
Manganese (ppb)	50	NA	20				ND	ND	Leaching from natural deposits.
Odor - Threshold (TON)	3	----	1-3 1-6 (a, f)	1.7 1.6	ND-6 (f)	2	1	1	Naturally occurring organic materials.
Specific Conductance (µS/cm)	1600	----	690-700	700	700-710	705	231-786	561	Runoff/leaching from natural deposits.
Sulfate (ppm)	500	----	101-103	102	107-111	109	63	63	Runoff/leaching from natural deposits.
Turbidity (NTU)	5	----	0.04-1.4 (a)	0.10 0.09 (a)	0.018-0.15 (b)	0.029 (b)	0.04-0.2	.06	Soil Runoff.
Total Dissolved Solids (ppm)	1000	----	410-450	430		450	131-493	362	Runoff/leaching from natural deposits.

Table 7 - Detection of Contaminants without a Drinking Water Standard									
Alkalinity as CaCO <sub>3</sub> (ppm)	----	----	160-250	220	250-280	270	52-94	75	Runoff/leaching from natural deposits; seawater influence.
Calcium (ppm)	----	----	55-61	58	67-68	68	30-76	56	Runoff/leaching from natural deposits; seawater influence.
Hardness as CaCO <sub>3</sub> (ppm)	----	----	190-370	260	320-330	330	60-164	117	Generally found in ground and surface water.
Magnesium (ppm)	----	----	33-34	34		39	17	17	Runoff/leaching from natural deposits; seawater influence.
pH	----	----	8.16-8.26	8.21	8.07-8.29	8.18	7.5-9.0	8.2	Runoff/leaching from natural deposits; seawater influence.
Potassium (ppm)	NA	NA	----	----			3.5	3.5	Runoff/leaching from natural deposits; seawater influence.
Sodium (ppm)	----	----	38-40	39	28-29	29	77	77	Runoff/leaching from natural deposits; seawater influence.
Total Organic Carbon (f) (TOC) (ppm)	TT	NA	0.30				1.2-3.4	2.2	Various natural and manmade sources.

## 2009 WATER QUALITY DATA FOR PISMO BEACH

**Table #1 - DISTRIBUTION SYSTEM WATER SAMPLING RESULTS SHOWING DETECTION OF COLIFORM BACTERIA**

Contaminants	Highest No. of Detections	No. of Months In Violation	MCL	MCLG	Typical Source of Contaminant
Total Coliform Bacteria	0	0	More than 1 positive monthly sample	0	Naturally present in the environment.
Fecal Coliform Bacteria Or <i>E. coli</i> '	0	0	A routine sample and a repeat sample are total Coliform positive, and once is also fecal Coliform or <i>E. Coli</i> positive	0	Human and animal fecal waste.

**Table #2 - 2005 HOME SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER**

Contaminants (CCR UNITS)	No. of Samples	90 <sup>th</sup> Percentile Level Detected	No. of Sites Exceeding RAL	RAL	Typical Source of Contaminant
LEAD (ppm)	20	0.00	0	15	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
COPPER (ppm)	20	0.68	0	1.3	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

## GROUND WATER SAMPLING TEST RESULTS FOR DETECTION OF CONTAMINANTS

TABLE #3			WELL #5		WELL #23		PRIMARY DRINKING WATER STANDARDS
CONTAMINANT	M.C.L. (µg/l)	MCLG PHG	RANGE	AVERAGE	RANGE	AVERAGE	POTENTIAL CONTAMINATION SOURCE
Arsenic (ppb)	10	0	3.8	3.8	2.1	2.1	Erosion of natural deposits
Nitrate (as No3 (mg/L)	45	45	ND	ND	7.08	7.08	Runoff from fertilizers; sewage from humans and animals
Zinc	5000	NA	ND	ND	140	140	Improper waste disposal
Gross Alpha Particle Activity (pCi/l)	15	(0)	8.54	8.54	4.18	4.18	Erosion of natural deposits
Uranium	20	0.5	4.03	4.03	4.38	4.38	Erosion of natural deposits
			WELL #5		WELL #23		SECONDARY DRINKING WATER STANDARDS
CONTAMINANT	M.C.L.		RANGE	AVERAGE	RANGE	AVERAGE	POTENTIAL CONTAMINATION SOURCE
ORGANIC CONTAMINANTS							
Chloride (mg/l)	500		77	77	85	85	Runoff; leaching from natural deposits; seawater
Iron	300		120	120	ND	ND	Natural or industrial
Manganese (mg/l)	50		31	31	35	35	Natural or industrial
Magnesium (mg/l)	NS		49	49	59	59	Runoff; leaching from natural deposits, seawater
Sulfate (mg/l)	500		170	170	300	300	Runoff; leaching from natural deposits; industrial
Total Dissolved Solids	1000		710	710	820	820	Soil runoff; leaching from natural deposits
Toluene	150		0-22	0	0	0	Discharge from petroleum and chemical factories; underground gas tank leaks.
Fluoride	2.0		0.10	0.10	0.20	0.10	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
			WELL #5		WELL #23		WITHOUT A DRINKING WATER STANDARD
CONTAMINANT			RANGE	AVERAGE	RANGE	AVERAGE	POTENTIAL CONTAMINATION SOURCE
Total Alkalinity as CaCO <sub>3</sub> (ppb)			360	360	280	280	Runoff; leaching from natural deposits; seawater
Calcium (ppm)			110	110	130	130	Runoff; leaching from natural deposits; seawater
Sodium (ppm)			50	50	79	79	Runoff; leaching from natural deposits; seawater
DISTRIBUTION SYSTEM							
VOLITILE ORGANIC CONTAMINANTS			RANGE	AVERAGE	MCL	(MCLG)	
Total Trihalomethanes (ppb)			26-52	34	80	NA	By-product of drinking water chlorination
Total Haloacetic Acids (ppb)			7-27	18	60	NA	By-product of drinking water chlorination
ADDITIONAL ANALYSIS							
Aggressiveness Index			12-13	13	NS	NA	NA
Specific Conductance (micromhos)			1200-1300	1250	1600	NA	Substances that form ions when in water; seawater influence
Total Hardness (ppm) (as CaCo3)			470-500	50	450	450	Generally found in ground and surface water
pH (units)			7.1-8.4	8.2	6.5-8.5	NA	NA
Turbidity (NTU)*****			0-0.3	0.1	5	NA	Soil runoff

\*\*\*\*\*Turbidity is a measure of the cloudiness of the water. We monitor it because it is a good indicator of water quality. High turbidity can hinder the effectiveness of disinfectants.

**Table #7 - WELL SAMPLING RESULTS SHOWING DETECTION OF UNREGULATED CHEMICALS**

	Avg. Level Detected	Range of Detections Low - High	MCL	RAL	Typical Source of Contaminant
UNREGULATED CHEMICALS					
BORON (ppb)	250	ND-300	NS	1000	Naturally-occurring element found in soil and water in the form of boric acid and sodium tetraborate
VANADIUM (ppb)	4.5	ND-6.7	NS	50	Naturally-occurring. Has been found in association with hazardous waste sites.

## FOR THE WEB BROWSERS: [www.pismobeach.org](http://www.pismobeach.org)

EPA/CDC Provides guidelines on appropriate means to the risk of infection by Cryptosporidium and other microbial contaminants, for information call - Safe Drinking Water Hotline (1-800-426-4791).

This hotline operates from 9 a.m. to 5 p.m. EST, Monday through Friday.

For more information contact:

- The Office of Ground Water and Drinking at EPA  
<http://www.epa.gov/OGWDW/>
- American Water Works Association <http://www.awwa.org>
- County Board of Supervisors  
<http://www.slonet.org/vv/ipslocao/agendas.html>

### You can Provide Input Regarding Water Quality Decisions in your Area.

- A vulnerability assessment of well #5 and #23 has been completed.
- The drinking water source assessment and protection program was completed in September 2002, both are on file at the Water Department.
- The public can address concerns to the Public Works Water Department. Contact Tom Hembree at (805) 773-7054 for information.
- The City Council meets the first and third Tuesday of each month at City Hall.
- Este informe contiene informacion muy importante sobre su agua potable. Traduzcalo o hable con alguien que lo entienda bien.

### State and Lopez Water Footnotes:

- Distribution system samples
- Combined Filter Effluent turbidity monitoring is used as an indicator of filtration performance.
- Compliance based on the running annual average of samples computed quarterly.
- TOCs are taken at the treatment plant's combined filter effluent.

## DEFINITIONS:

<b>Maximum Contaminant Level (MCL)</b>	The highest level of contaminant that is allowed in drinking water.
<b>Maximum Contaminant Level Goal (MCLG) and Public Health Goal (PHG)</b>	The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the United States Environmental Protection Agency and PHGs are set by the California Environmental Protection Agency.
<b>Maximum Residual Disinfectant Level (MRDL)</b>	The level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap.
<b>Maximum Residual Disinfectant Level Goal (MRDLG)</b>	The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency.
<b>Primary Drinking Water Standards (PDWS)</b>	MCLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible.
<b>Secondary Drinking Water Standards (SDWS)</b>	MCLs for contaminants to protect the taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect health at the MCL levels.
<b>Treatment Technique (TT)</b>	A required process intended to reduce the level of a contaminant in drinking water.
<b>Regulatory Notification Level (NL)</b>	The concentration of a contaminant that, if exceeded, triggers treatment or other requirement which a water system must follow.
<b>Running Annual Average (RAA)</b>	An arithmetic average of all samples is computed quarterly. This quarterly average is then averaged against the previous three quarters worth of data to provide an annual running average. The highest running average over a twelve month period used for compliance.
<b>Not Collected (NC)</b>	A sample was not collected for this contaminant.
<b>Not Reported (NR)</b>	Contaminant was not reported.
<b>No Standard (NS)</b>	Contaminant for which there is no established MCL.
<b>Not Detected (ND)</b>	Contaminant is not detectable at testing limit.
<b>Not Analyzed (NA)</b>	Contaminant was not analyzed.
<b>WAIVED</b>	On September 4, 2007, the CDPH granted a TOC waiver to the Lopez WTP. The facility upgraded to Membrane Treatment.
<b>pCi/L</b>	PICOCURIES PER LITER (A MEASURE OF RADIOACTIVITY)
<b>ppm</b>	PARTS PER MILLION, OR MILLIGRAMS PER LITER (mg/L)
<b>ppb</b>	PARTS PER BILLION, OR MICROGRAMS PER LITER (µg/L)
<b>µS/cm</b>	MICROMHOS PER CENTIMETER (UNIT OF SPECIFIC ONDUCTANCE OF WATER)
<b>CU</b>	COLOR UNITS
<b>NS</b>	NO STANDARD
<b>CFU/ml</b>	COLONY FORMING UNITS PER MILLILITER
<b>NTU</b>	NEPHELOMETRIC TURBIDITY UNIT
<b>TON</b>	THRESHOLD ODOR NUMBER
<b>LI</b>	LANGELIER INDEX; NONCORROSIVE = ANY POSITIVE VALUE, CORROSIVE = ANY NEGATIVE VALUE
<b>LopezWTP</b>	LOPEZ WATER TREATMENT PLANT
<b>CCWA</b>	CENTRAL COAST WATER AUTHORITY
<b>PPWTP</b>	POLONIO PASS WATER TREATMENT PLANT

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

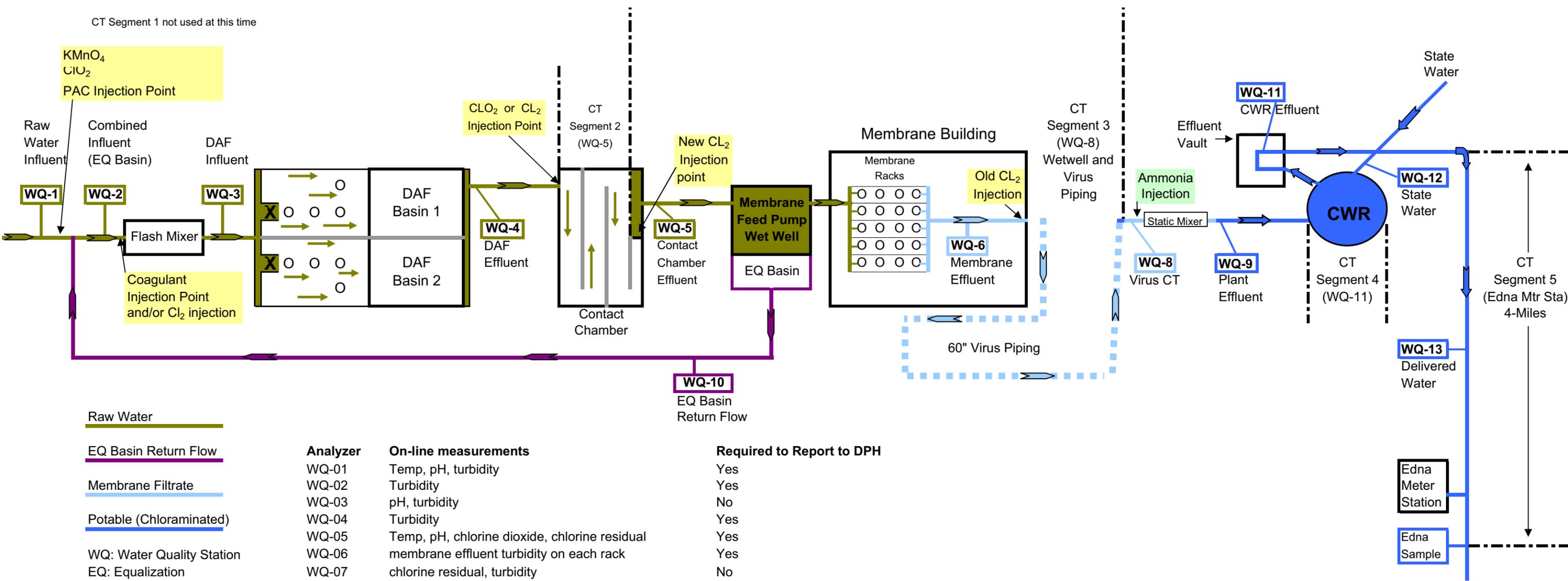
Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk.

★ More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791). Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system deficiencies, some elderly, and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers.

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**APPENDIX O – LOPEZ WATER TREATMENT PLANT  
PROCESS FLOW MAP**

## LOPEZ WATER TREATMENT PLANT: WATER QUALITY STATIONS / CT SEGMENTS



- Raw Water
- EQ Basin Return Flow
- Membrane Filtrate
- Potable (Chloraminated)

WQ: Water Quality Station  
 EQ: Equalization  
 DAF: Dissolved Air Flotation  
 CWR: Clearwater Reservoir

Analyzer	On-line measurements	Required to Report to DPH
WQ-01	Temp, pH, turbidity	Yes
WQ-02	Turbidity	Yes
WQ-03	pH, turbidity	No
WQ-04	Turbidity	Yes
WQ-05	Temp, pH, chlorine dioxide, chlorine residual	Yes
WQ-06	membrane effluent turbidity on each rack	Yes
WQ-07	chlorine residual, turbidity	No
WQ-08	Temp, pH, chlorine residual, turbidity	Yes
WQ-09	chlorine residual, chlorite, chlorine dioxide residual	Yes
WQ-10	pH, turbidity	Yes
WQ-11	chlorine residual, turbidity	No
WQ-12	chlorine residual, turbidity	No
WQ-13	Temp, pH, chlorine residual, turbidity	Yes, if problem

**APPENDIX P – SAN LUIS OBISPO COUNTY  
CORRESPONDENCE ON STATE WATER PROJECT DELIVERY  
PROJECTIONS**



May 12, 2011

Ms. Courtney Howard  
County of San Luis Obispo  
Public Works Department  
1050 Monterey Street, Suite 207  
San Luis Obispo, California 93408-6000

Subject: Central Coast Water Authority  
2010 Urban Water Management Plan Update

L. J. Lavagnino  
Chairman

Richard Shaikewitz  
Vice Chairman

William J. Brennan  
Executive Director

Brownstein Hyatt  
Farber Schreck  
General Counsel

*Member Agencies*

City of Buellton

Carpinteria Valley  
Water District

City of Guadalupe

City of Santa Barbara

City of Santa Maria

Goleta Water District

Montecito Water District

Santa Ynez River Water  
Conservation District,  
Improvement District #1

*Associate Member*

La Cumbre Mutual  
Water Company

Dear Ms Howard:

The California Urban Water Management Planning Act requires every urban water supplier to prepare and adopt an Urban Water Management Plan (UWMP). An urban water supplier is defined as a public water system supplying 3,000 customers or delivering 3,000 acre-feet annually. The Central Coast Water Authority (CCWA) is classified as a wholesale urban water supplier. As such, CCWA is required to prepare an UWMP and is also required to provide projections of the volume of water to be delivered in the future to the retail urban water suppliers for a range of water-year types.

CCWA staff has reviewed the Department of Water Resources (DWR) report entitled "The State Water Project Delivery Reliability Report 2009" and obtained reliability data from DWR that is specific to San Luis Obispo County. Following the estimation protocol described in the UWMP Guidelines and the DWR Reliability Report, CCWA prepared an estimated projection for future water deliveries for a variety of water-year types. This estimate is attached for your use. An excel file will also be emailed to you separately for your use in developing your own projections, if you need to utilize different scenarios than provided in the CCWA estimate.

If you have any question, please call me at 805-688-2292, ext 228.

Sincerely,

A handwritten signature in black ink, appearing to read "John Brady".

John Brady  
Operations Manager/Engineer

cc: Syllas Cranor

255 Industrial Way  
Buellton, CA 93427-9565  
(805) 688-2292  
FAX: (805) 686-4700



**Table 1 CCWA Table A Reliability Estimate**

Year	Long Term Average	Single Dry Year 1977	2-year drought 1990-1991	4-year drought 1929-1932	4-year drought 1989-1992	6-year drought 1987-1992
2010	64%	6%	24%	34%	36%	34%
2015	63%	7%	24%	34%	35%	33%
2020	62%	8%	24%	35%	34%	32%
2025	61%	9%	24%	35%	34%	32%
2030	61%	10%	24%	36%	33%	31%
2035	60%	11%	24%	36%	32%	30%

**Table 2 Maximum Table A Amount in Selected Drought Conditions**

Drought Condition	2010	2015	2020	2025	2030	2035
Long Term Average	3,074	3,037	3,000	2,963	2,926	2,889
Single Dry Year 1977	270	317	365	413	461	509
2-year drought 1990-1991	1,152	1,151	1,151	1,150	1,150	1,150
4-year drought 1929-1932	1,627	1,651	1,675	1,698	1,722	1,746
4-year drought 1989-1992	1,728	1,691	1,655	1,619	1,582	1,546
6-year drought 1987-1992	1,629	1,597	1,566	1,535	1,504	1,473

**San Luis Obispo County**

Contractor Table A Amount:	4,830
----------------------------	-------

**Current Conditions, 2009**

	1-yr drought	2-yr drought	4-yr drought	6-yr drought
1922	74%			
1923	60%	67%		
1924	19%	39%		
1925	46%	32%	49%	
1926	51%	48%	44%	
1927	77%	64%	48%	54%
1928	59%	68%	58%	52%
1929	28%	43%	53%	46%
1930	39%	33%	50%	50%
1931	30%	34%	39%	47%
1932	38%	34%	34%	45%
1933	39%	38%	36%	39%
1934	30%	34%	34%	34%
1935	67%	49%	43%	40%
1936	64%	66%	50%	45%
1937	89%	77%	63%	54%
1938	100%	94%	80%	65%
1939	61%	81%	79%	69%
1940	62%	61%	78%	74%
1941	88%	75%	78%	77%
1942	80%	84%	73%	80%
1943	80%	80%	77%	78%
1944	47%	63%	74%	70%
1945	75%	61%	70%	72%
1946	68%	71%	67%	73%
1947	63%	66%	63%	69%
1948	55%	59%	65%	65%
1949	60%	58%	62%	61%
1950	53%	57%	58%	62%
1951	77%	65%	61%	63%
1952	96%	86%	71%	67%
1953	65%	80%	73%	68%

**Future Conditions, 2029**

	1-yr drought	2-yr drought	4-yr drought	6-yr drought
1922	64%			
1923	61%	63%		
1924	20%	41%		
1925	42%	31%	47%	
1926	52%	47%	44%	
1927	72%	62%	46%	52%
1928	64%	68%	57%	52%
1929	33%	49%	55%	47%
1930	41%	37%	53%	51%
1931	30%	35%	42%	49%
1932	39%	34%	36%	46%
1933	39%	39%	37%	41%
1934	32%	35%	35%	36%
1935	66%	49%	44%	41%
1936	66%	66%	51%	45%
1937	81%	73%	61%	54%
1938	100%	90%	78%	64%
1939	45%	72%	73%	65%
1940	63%	54%	72%	70%
1941	75%	69%	71%	72%
1942	64%	69%	62%	71%
1943	74%	69%	69%	70%
1944	50%	62%	66%	62%
1945	75%	62%	66%	67%
1946	59%	67%	64%	66%
1947	57%	58%	60%	63%
1948	58%	58%	62%	62%
1949	56%	57%	58%	59%
1950	59%	58%	58%	61%
1951	74%	67%	62%	61%
1952	82%	78%	68%	64%
1953	57%	70%	68%	64%

1954	57%	61%	74%	68%
1955	51%	54%	67%	66%
1956	88%	69%	65%	72%
1957	48%	68%	61%	67%
1958	100%	74%	71%	68%
1959	48%	74%	71%	65%
1960	54%	51%	63%	65%
1961	66%	60%	67%	67%
1962	55%	60%	56%	62%
1963	73%	64%	62%	66%
1964	62%	68%	64%	60%
1965	75%	68%	66%	64%
1966	62%	68%	68%	65%
1967	80%	71%	70%	68%
1968	64%	72%	70%	69%
1969	100%	82%	76%	74%
1970	77%	89%	80%	76%
1971	55%	66%	74%	73%
1972	59%	57%	73%	72%
1973	70%	64%	65%	71%
1974	87%	79%	68%	75%
1975	72%	79%	72%	70%
1976	56%	64%	71%	66%
1977	6%	31%	55%	58%
1978	89%	47%	55%	63%
1979	77%	83%	57%	64%
1980	91%	84%	66%	65%
1981	49%	70%	76%	61%
1982	100%	74%	79%	69%
1983	100%	100%	85%	84%
1984	77%	89%	82%	82%
1985	67%	72%	86%	81%
1986	87%	77%	83%	80%
1987	38%	62%	67%	78%
1988	21%	30%	53%	65%
1989	70%	45%	54%	60%
1990	21%	45%	37%	51%

1954	58%	58%	68%	64%
1955	43%	50%	60%	62%
1956	82%	62%	60%	66%
1957	54%	68%	59%	63%
1958	92%	73%	68%	64%
1959	49%	70%	69%	63%
1960	47%	48%	60%	61%
1961	53%	50%	60%	63%
1962	66%	59%	54%	60%
1963	58%	62%	56%	61%
1964	64%	61%	60%	56%
1965	67%	66%	64%	59%
1966	62%	65%	63%	62%
1967	81%	72%	69%	66%
1968	55%	68%	66%	65%
1969	100%	78%	75%	72%
1970	69%	84%	76%	72%
1971	59%	64%	71%	71%
1972	57%	58%	71%	70%
1973	66%	62%	63%	68%
1974	74%	70%	64%	71%
1975	69%	72%	67%	66%
1976	62%	66%	68%	65%
1977	10%	36%	54%	56%
1978	78%	44%	55%	60%
1979	69%	73%	55%	60%
1980	83%	76%	60%	62%
1981	57%	70%	72%	60%
1982	95%	76%	76%	65%
1983	100%	98%	84%	80%
1984	77%	89%	82%	80%
1985	68%	72%	85%	80%
1986	79%	73%	81%	79%
1987	26%	52%	62%	74%
1988	30%	28%	51%	63%
1989	59%	44%	48%	56%
1990	19%	39%	34%	47%

1991	27%	24%	35%	44%
1992	26%	26%	36%	34%
1993	80%	53%	38%	41%
1994	47%	63%	45%	45%
1995	92%	69%	61%	49%
1996	80%	86%	75%	59%
1997	87%	83%	76%	68%
1998	96%	92%	89%	80%
1999	77%	87%	85%	80%
2000	59%	68%	80%	82%
2001	33%	46%	66%	72%
2002	74%	54%	61%	71%
2003	56%	65%	56%	66%
Min	6%	24%	34%	34%

Long Term Average: 64%

1991	28%	24%	34%	40%
1992	24%	26%	33%	31%
1993	66%	45%	34%	38%
1994	57%	62%	44%	42%
1995	85%	71%	58%	47%
1996	66%	75%	68%	54%
1997	81%	73%	72%	63%
1998	83%	82%	78%	73%
1999	71%	77%	75%	74%
2000	65%	68%	75%	75%
2001	30%	48%	62%	66%
2002	67%	49%	58%	66%
2003	58%	62%	55%	62%
Min	10%	24%	33%	31%

Long Term Average: 61%

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**APPENDIX Q – CUWCC BMP ANNUAL REPORTS**



**CUWCC BMP RETAIL COVERAGE REPORT 2009-2010**  
**Foundation Best Management Practices for Urban Water Efficiency**

Agency: **The City of Pismo Beach** District Name: **The City of Pismo Beach** CUWCC Unit #: **6979**

Retail

Primary Contact **Dwayne Chisam** Telephone - [redacted] Email: **Dchisam@pismo-beach.org**

Compliance Option Chosen By Reporting Agency:  
 (Traditional, Flex Track or GPCD)

GPCD if used:

GPCD in 2010	226.1
GPCD Target for 2018	199.4

Year	Report	Target	Highest Acceptable Bound	
			% Base	GPCD
2010	1	96.4%	234.5	100%
2012	2	92.8%	225.7	96.4%
2014	3	89.2%	217.0	92.8%
2016	4	85.6%	208.2	89.2%
2018	5	82.0%	199.4	82.0%

Not on Track if 2010 GPCD is > than target

GPCD in 2010 **226**  
 Highest Acceptable GPCD for 2010 **243**

**On Track**



**CUWCC BMP RETAIL COVERAGE REPORT 2009-2010**  
**Foundation Best Management Practices for Urban Water Efficiency**

**Foundational BMPs**

**BMP 1.1 Operational Practices**

		<b>2009</b>	<b>2010</b>	
1. Conservation Coordinator provided with necessary resources to implement BMPs?	Name Title Email	Nathania Boutet Regulatory Compliance Coordinator <a href="mailto:nboutet@pismo-beach.org">nboutet@pismo-beach.org</a>	Nathania Boutet Regulatory Compliance Coordinator <a href="mailto:nboutet@pismo-beach.org">nboutet@pismo-beach.org</a>	Conservation Coordinator provided with necessary resources to implement BMPs?  805-773-4656
		<b>On Track</b>	<b>On Track</b>	
2. Water waste prevention documentation				
Descriptive File		COPismoBeach_MuniCode_Title13.Ch13.24, COPismoBeach_MuniCode_Title15.Ch15.48,		
Descriptive File 2010			COPismoBeach_MuniCode_Title13.Ch13.24, COPismoBeach_MuniCode_Title15.Ch15.48,	On Track if any one of the 6 ordinance actions done, plus documentation or links provided
URL				
URL 2010				
Describe Ordinance Terms		Water Conservation Municipal Code Title 13 Chapter 13.24 and Title 15 Chapter 15.48 Water-Efficient Landscape Standards.		
Describe Ordinance Terms 2010			Attached with the e-mail are pdf's of the City of Pismo Beach municipal codes Title 13 Chapter 13.24 Water Conservation, Title 15 Chapter 15.04 Adoption of California 2010 Construction Codes, Chapter 15.48 Water Efficient Landscape Standards and Requirements and Chapter 15.08.070 California Green Building Standards which establish water efficient design in new development.	
		<b>On Track</b>	<b>On Track</b>	



**CUWCC BMP RETAIL COVERAGE REPORT 2009-2010**  
**Foundation Best Management Practices for Urban Water Efficiency**

**BMP 1.2 Water Loss Control**

	2009	
Complete a prescreening Audit	Yes	On Track
Metered Sales	1,860	
Verifiable Other Uses		
Total Supply	2,057	
(Metered Sales + System uses) / Total Supply >0.89	0.90	On Track
If ratio is less than 0.9, complete a full scale Audit in 2009?	No	
Verify Data with Records on File?	Yes	On Track
Operate a system Leak Detection Program?	Yes	On Track

On Track if Yes  
On Track if =>.89, Not on Track if No  
On Track if Yes  
On Track if Yes  
On Track if Yes

	2010	
Compile Standard Water Audit using AWWA Software?	No	at least as effective as
AWWA file provided to CUWCC?	0	
AWWA Water Audit Validity Score?	N/A	Info only until 2012
Completed Training in AWWA Audit Method?	yes	
Completed Training in Component Analysis Process?	No	Info only until 2012
Complete Component Analysis?	No	Info only until 2012
Repaired all leaks and breaks to the extent cost effective?	Yes	On Track
Locate and repair unreported leaks to the extent cost effective.	Yes	On Track
Maintain a record-keeping system for the repair of reported leaks, including time of report, leak location, type of leaking pipe segment or fitting, and leak running time from report to repair.		Info only until 2012
Provided 7 types of Water Loss Control Info		Info only until 2012
Leaks Repaired	12	
Value Real Losses	\$ -	
Value Apparent Losses	\$ -	
Miles Surveyed	0.1	
Press Reduction	Off	
Cost of Interventions	\$ -	
Water Saved	0.01	

On Track if Yes, Not on Track if No  
On Track if Yes, Not on Track if No  
Info only until 2012  
Info only until 2012  
On Track if Yes, Not on Track if No  
On Track if Yes, Not on Track if No  
Info only until 2012  
Info only until 2012

Comments by Pismo Beach: Leak detection service & system visual check look for wet spots on the ground. Most leaks were on service lines, couple on mains.



**CUWCC BMP RETAIL COVERAGE REPORT 2009-2010**  
**Foundation Best Management Practices for Urban Water Efficiency**

**1.3 METERING WITH COMMODITY RATES FOR ALL NEW CONNECTIONS AND RETROFIT OF EXISTING CONNECTIONS**

Exemption or 'At least as Effective As' accepted by CUWCC

Numbered Unmetered Accounts

Metered Accounts billed by volume of use

Number of CII accounts with Mixed Use meters

Conducted a feasibility study to assess merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters?

Feasibility Study provided to CUWCC?

Completed a written plan, policy or program to test, repair and replace meters

	2009		2010	
	0	On Track	0	On Track
	Yes	On Track	Yes	On Track
	No		No	
	Yes		No	
	No		No	

If signed MOU prior to 31 Dec 1997, On Track if all connections metered; If signed after 31 Dec 1997, complete meter installations by 1 July 2012 or within 6 yrs of signing and 20% biannual reduction of unmetered connections.

On Track if no unmetered accounts

Volumetric billing required for all connections on same schedule as metering

Info only

Info only until 2012

On Track if Yes, Not on Track if No

Info only until 2012



# CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

## Foundation Best Management Practices for Urban Water Efficiency

Agency: **City of Pismo Beach**  
 Retail  
 Primary Contact: **Dwayne Chisam**

District Name: **City of Pismo Beach**

CUWCC Unit #: **6979**  
 Coverage Report Date: **October 3, 2011**  
 Email: **dchisam@pismo-beach.org**

### 1.4 Retail Conservation Pricing Metered Water Rate Structure

Date 2009 data received: **July 5, 2011**  
 Date 2010 data received: **July 5, 2011**  
 On Track if: Increasing Block, Uniform, Allocation, Standby Service; Not on Track if otherwise

Customer Class	2009 Rate Type	Conserving Rate?	Customer Class	2010 Rate Type	Conserving Rate?
Single-Family	Increasing Block	Yes	Single-Family	Increasing Block	Yes
Multi-Family	Uniform	Yes	Multi-Family	Uniform	Yes
Dedicated Irrigation	Uniform	Yes	Dedicated Irrigation	Uniform	Yes
Other	Uniform	Yes	Other	Uniform	Yes
<b>On Track</b>			<b>On Track</b>		

Year Volumetric Rates began for Agencies with some Unmetered Accounts

Info only  
 Agencies with Partially Metered Service Areas: If signed MOU prior to 31 Dec. 1997, implementation starts no later than 1 July 2010. If signed MOU after 31 Dec. 1997, implementation starts no later than 1 July 2013, or within seven years of signing the MOU,



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

**Adequacy of Volumetric Rates) for Agencies with No Unmetered Accounts**

Customer Class	2009 Rate Type	2009 Volumetric Revenues \$1000s	2010 Rate Type	2010 Volumetric Revenues \$1000s
Single-Family	Increasing Block	\$ 919	Single-Family	\$ 928
Multi-Family	Uniform	\$ 603	Multi-Family	\$ 613
Dedicated Irrigation	Uniform	\$ 198	Dedicated Irrigation	\$ 174
Other	Uniform	\$ 670	Select a Customer Type	\$ 1,101
Other	Select a Rate Structure	\$ -	Other	\$ -
Other		\$ -		\$ -
Other		\$ -		\$ -
Total Revenue Commodity Charges (V):		\$ 2,389	Total Revenue Commodity Charges (V):	
Total Revenue Fixed Charges (M):		\$ -	Total Revenue Fixed Charges (M):	
Calculate: V / (V + M):		100%	Calculate: V / (V + M):	
		Info Only until 2011		
		Info Only until 2011		

Volumetric meter rates % effective 2011  
Agency Choices for rates:

A) Agencies signing MOU prior to 13 June2007, implementation starts 1 July2007: On Track if  $(V / (V + M)) \geq 70\% \times .8 = 56\%$  for 2009 and  $70\% \times 0.90 = 63\%$  for 2010; Not on track if  $(V / (V + M)) < 70\%$ ;

B) Use Canadian model. Agencies signing MOU after 13June2007, implementation starts July 1 of year following signing.

Canadian Water & Wastewater Rate Design Model Used and Provided to CUWCC **No** **No**  
 Info Only until 2011 Info Only until 2011  
 If Canadian Model is used, was 1 year or 3 year period applied?

**Wastewater Rates**

Does Agency Provide Sewer Service? **2009** If 'No', then wastewater rate info not required. **2010**  
**Yes** **Yes**

Customer Class	2009 Rate Type	Conserving Rate?	Customer Class	2010 Rate Type	Conserving Rate?
Single-Family	Uniform	Yes	Single-Family	Uniform	Yes
Multi-Family	Uniform	Yes	Multi-Family	Uniform	Yes
Other	Uniform	Yes			
<b>On Track</b>			<b>On Track</b>		

On Track if: 'Increasing Block', 'Uniform', 'based on long term marginal cost' or 'next unit of capacity'



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### BMP 2. EDUCATION PROGRAMS

##### BMP 2.1 Public Outreach Actions Implemented and Reported to CUWCC

Does a wholesale agency implement Public Outreach Programs for this utility's benefit?  
Names of Wholesale Agencies

	2009	2010	
	Yes	No	Yes/No
	<b>Verdin Marketing Inc.</b>		
1) Contacts with the public (minimum = 4 times per year)	5	4	
2) Water supplier contacts with media (minimum = 4 times per year, i.e., at least quarterly).	4	4	
3) An actively maintained website that is updated regularly (minimum = 4 times per year, i.e., at least quarterly).	Yes www.pismobeach.org	Yes	
4) Description of materials used to meet minimum requirement.	Television contacts Website Flyers and/or brochures (total copies), bill stuff	Website Television contacts	All 6 action types implemented and reported to CUWCC to be 'On Track'
5) Annual budget for public outreach program.	\$ 618	\$ 808	
6) Description of all other outreach programs	Public Service Announcements are coordinated with Central Coast Partners for Water Quality; Additionally, Public Education Information is updated on the public channel	Public Service Announcements are coordinated with Central Coast Partners for Water Quality; Additionally, Public Education Information is updated on the public channel 20.	
	<b>On Track</b>	<b>On Track</b>	



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

#### 2.2 School Education Programs Implemented and Reported to CUWCC

	2009	2010	
Does a wholesale agency implement School Education Programs for this unility's benefit? Name of Wholesale Supplier?	No	No	
1) Curriculum materials developed and/or provided by agency			Yes/ No
2) Materials meet state education framework requirements and are grade-level appropriate?	No	No	All 5 actions types implemented and reported to CUWCC to be
3) Materials Distributed to K-6? Describe K-6 Materials	No	No	Describe materials to meet minimum requirements
Materials distributed to 7-12 students?	No	No	Info Only
4) Annual budget for school education program.	\$ -	\$ -	
5) Description of all other water supplier education programs	The City of Pismo Beach did not participate in any Water Conservation Programs for School Education Programs.	Comment by Pismo Beach: The City of Pismo Beach did not participate in any Water Conservation Programs for School Education Programs.	
	<b>Not On Track</b>	<b>Not On Track</b>	



## CUWCC BMP RETAIL COVERAGE REPORT 2009-2010

### Foundation Best Management Practices for Urban Water Efficiency

Agency: **The City Of Pismo Beach** District Name: **The City Of Pismo Beach** CUWCC Unit #: **6979**

Retail

Primary Contact **Dwayne Chisam** Telephone \_\_\_\_\_ Email: **dchasam@pismoeach.org**

#### 2.2 School Education Programs Implemented and Reported to CUWCC

Does a wholesale agency implement School Education Programs for this utility's benefit?  
Name of Wholesale Supplier?

1) Curriculum materials developed and/or provided by agency

**2011**

[Redacted]

Materials: Water Cycle Puzzle Board, House with Bathroom. The "Puzzle" tells the Story of water, including the water cycle, water treatment, water conservation and water reclamation. Define Water Conservation & Importance, Conservation in Home, and Conservation in Yard.

2) Materials meet state education framework requirements and are grade-level appropriate?

Yes

3) Materials Distributed to K-6?

Yes

Describe K-6 Materials

Pismo Beach Water Hero Certificate to each student and water drop pledges to take home

Materials distributed to 7-12 students?

Yes

4) Annual budget for school education program.

\$ 600

5) Description of all other water supplier education programs

Senior High School student Intern at the Treatment Plan and Laboratory. The student began the Internship April 23, 2012 from 1:00 pm to 4:00 pm Tuesday and Wednesday through the end of school year

**On Track**

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**APPENDIX R – WATER AND SEWER RATE STRUCTURE  
(2010-2011)**



760 Mattie Road  
 Pismo Beach, CA 93449  
 805-773-4655 Fax: 805-773-7065

Water: June 2011  
 Sewer: June 2011

Ord #2007-10  
 Ord #2007-11

(Operation, Maint, Replacement and Debt Svcs)

**Water Rates:**

<b>WSFR</b>	<b>Single Family</b>	<b>1-12</b>	<b>2.30</b>	<b>(12 &gt; 27.60)</b>
		<b>13+</b>	<b>2.99</b>	
<b>WNR</b>	<b>Multi Family, Mobile Homes</b>		<b>2.55</b>	
	<b>Commercial</b>		<b>2.55</b>	
<b>IRR</b>	<b>Irrigation</b>		<b>2.81</b>	
<b>WCH</b>	<b>Const/Hyd</b>		<b>5.10</b>	
<b>WMU</b>	<b>Municipal</b>		<b>2.55</b>	
<b>WMI</b>	<b>Municipal Irrigation</b>		<b>2.81</b>	

**Water Service Chgs by Meter Size**

<b>5/8 &amp; 3/4</b>	<b>31.90</b>
<b>1</b>	<b>63.85</b>
<b>1 1/2</b>	<b>106.30</b>
<b>2</b>	<b>170.10</b>
<b>3</b>	<b>319.15</b>
<b>4</b>	<b>532.05</b>
<b>6</b>	<b>1,276.65</b>

**Sewer Rates:**

<b>SFR</b>	<b>Single Family Residential</b>	<b>62.23 Fixed</b>
<b>APT</b>	<b>Apartments/Multi</b>	<b>39.62 Fixed</b>
<b>MH</b>	<b>Mobile Homes</b>	<b>35.77 Fixed</b>
		<b>Per HCF:</b>
<b>COM</b>	<b>Commercial</b>	<b>4.65</b>
<b>DR</b>	<b>Dual Residential/Restaurant</b>	<b>6.98</b>
<b>DRC</b>	<b>Dual Residential/Comercial</b>	<b>5.39</b>
<b>GROC</b>	<b>Grocery</b>	<b>10.32</b>
<b>HM</b>	<b>Hotel</b>	<b>4.06</b>
<b>HMR</b>	<b>Hotel w/restaurant</b>	<b>7.61</b>
<b>SWC</b>	<b>School w/ cafeteria</b>	<b>4.27</b>
<b>SWOC</b>	<b>School</b>	<b>3.24</b>
<b>NSC</b>	<b>Shopping Center</b>	<b>4.55</b>
<b>BRDWALK</b>	<b>Shopping Center w/Rest</b>	<b>6.98</b>
<b>IRRIG</b>	<b>Irrigation</b>	<b>NO CHG</b>
<b>SMU</b>	<b>City Meter</b>	<b>4.65</b>
<b>CTYIRR</b>	<b>City Meter Irrigation</b>	<b>NO CHG</b>
<b>CTYDF</b>	<b>City Meter Drinking Fount.</b>	<b>NO CHG</b>
<b>CTYSS</b>	<b>City Meter Sand Shower</b>	<b>NO CHG</b>
<b>SEPSFR</b>	<b>Septic Tank</b>	<b>NO CHG</b>
<b>TRVP</b>	<b>Trailer/RV</b>	<b>3.68</b>
<b>STAT</b>	<b>Service Station</b>	<b>4.25</b>
<b>RB</b>	<b>Restaurant/Bakery</b>	<b>10.02</b>
<b>CONST</b>	<b>Construction</b>	<b>NO CHG</b>
<b>HYD</b>	<b>Hydrant</b>	<b>NO CHG</b>
<b>VACLOT</b>	<b>Vacant Lot</b>	<b>NO CHG</b>
<b>STANDBY</b>	<b>STANDBY...NO CHARGES</b>	

**Sewer Service Chg by Meter Size**

<b>5/8</b>	<b>16.75</b>
<b>3/4</b>	<b>23.76</b>
<b>1</b>	<b>37.78</b>
<b>1 1/2</b>	<b>72.82</b>
<b>2</b>	<b>114.88</b>
<b>3</b>	<b>213.01</b>
<b>4</b>	<b>353.20</b>
<b>6</b>	<b>843.86</b>

**SFR Pays 16.04 Sewer Svc Chg  
 Regardless of Meter Size**

**78.98 Flat SSFR**

**110.88 Flat Chgs for Water/  
 Sewer SFR 0 Consumption**

**SFRLI Single Family Residential Low Income Consumption Only**  
**APTLI Must have proof of low income status from either PG&E or The Gas Co.**