

# Paso Robles Groundwater Basin Management Efforts

Water Resources Advisory Committee  
May 1, 2013

## BOS Meeting 12/18/12

Per direction to return at the end of 2012 with an update on Groundwater Management Plan:

- Received update on Steering Committee accomplishments
- Authorized staff to develop requests for proposals to prepare feasibility studies

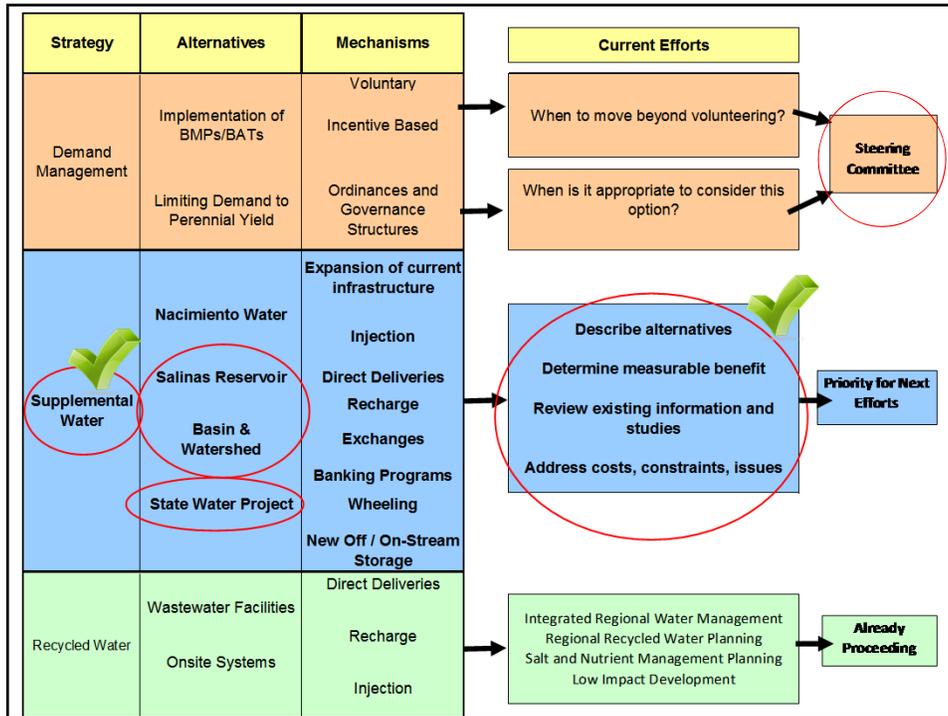
## 12/18/12 Board Direction

“... directs staff to come back within 4 months with a prioritized list of recommendations to stabilize the Paso Robles Groundwater Basin.”

May 7, 2013

## Pieces of the Solutions Puzzle

- Supply Management – Evaluating the options and combinations of physical solutions to help stabilize levels in the future
  - Feasibility Studies/IRWM Efforts
- Demand Management - What additional strategies may be necessary
  - Management Structure
- Continuing to understand the extent of the problem
  - Monitoring
  - Computer Model Update of the Basin



## Recommendations

- May 7<sup>th</sup> Board of Supervisors Meeting
  - Staff Recommendation
    - State Water/Salinas River Watershed & Reservoir
  - Steering Committee Recommendation
    - Management Structure

## Feasibility Studies RFP Approach

- Evaluating State Water
  - Constraints/Reliability/Environmental
  - Financial/Infrastructure options
  - Contractual Requirements to Implement
- Salinas River Corridor Water Availability Analysis
  - Hydrological, Water Rights, Infrastructure Options
  - Relationship to the Basin Model
  - Environmental

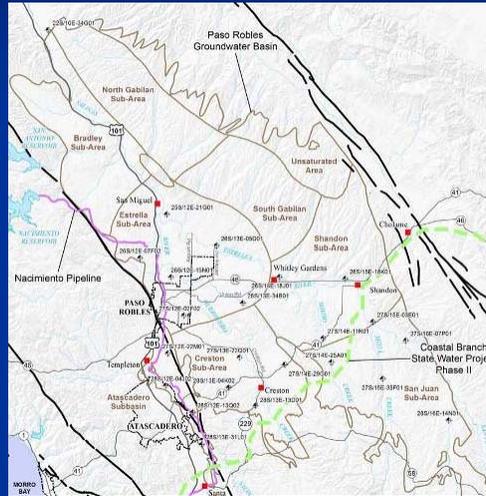
Via coordination with stakeholders

## Management Structure Approach

- Evaluating Governance Options
  - Comparing and Contrasting
- Evaluating Adjudications
  - Comparing and Contrasting to Paso Basin Facts and Circumstances
- Coordinating with the Steering Committee and Others

# The Extent of the Problem

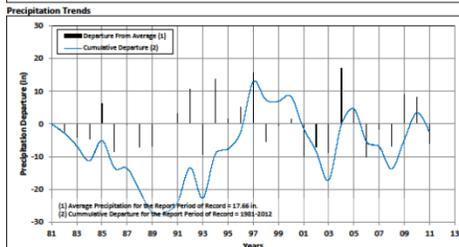
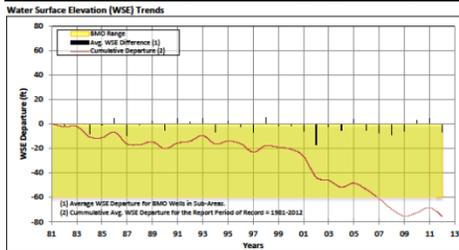
- Composite Hydrographs per Basin Sub-area
- Computer Model Update



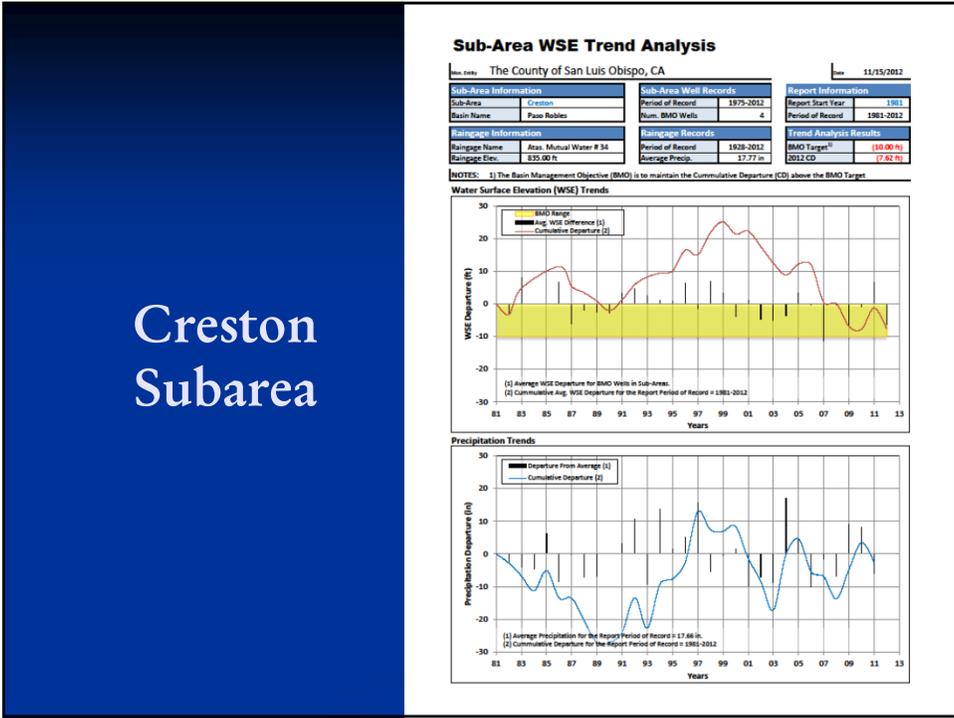
## Sub-Area WSE Trend Analysis

The County of San Luis Obispo, CA		Date: 11/15/2012	
<b>Sub-Area Information</b>	<b>Sub-Area Well Records</b>	<b>Report Information</b>	
Sub-Area: Estrella	Period of Record: 1977-2012	Report Start Year: 1981	
Basin Name: Paso Robles	Num. BMO Wells: 6	Period of Record: 1981-2012	
<b>Rain gauge Information</b>	<b>Rain gauge Records</b>	<b>Annual Analysis Results</b>	
Rain gauge Name: Area: Mutual Water # 34	Period of Record: 1928-2012	BMO Target <sup>(1)</sup> : 160.00 ft	
Rain gauge Elev.: 555.00 ft	Average Precip.: 17.77 in	2012 CD: 175.35 ft	

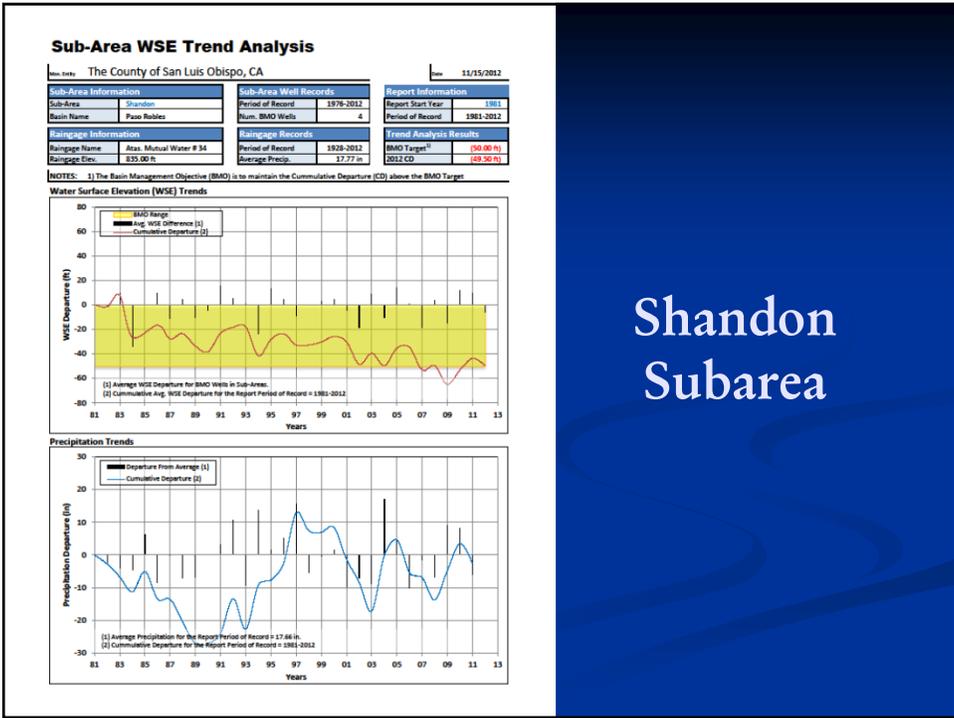
NOTES: 1) The Basin Management Objective (BMO) is to maintain the Cumulative Departure (CD) above the BMO Target



Estrella  
Subarea



# Creston Subarea



# Shandon Subarea

# Computer Model Update

- Scope
  - Data, Hydrogeology, Watershed, Simulations
- Model Updated - Fall 2013
  - Water Balance Approach – May 2, 2013
  - Simulations Development – Late Summer 2013

## Questions?

Next Blue Ribbon Steering Committee Meeting:

May 16, 2013, 2:00 p.m.  
Paso Robles City Public Safety Bldg  
900 Park Street

[www.ourwaterbasin.org](http://www.ourwaterbasin.org)  
Paso Robles Groundwater Basin