

Delta Stewardship Council Groundwater Panel

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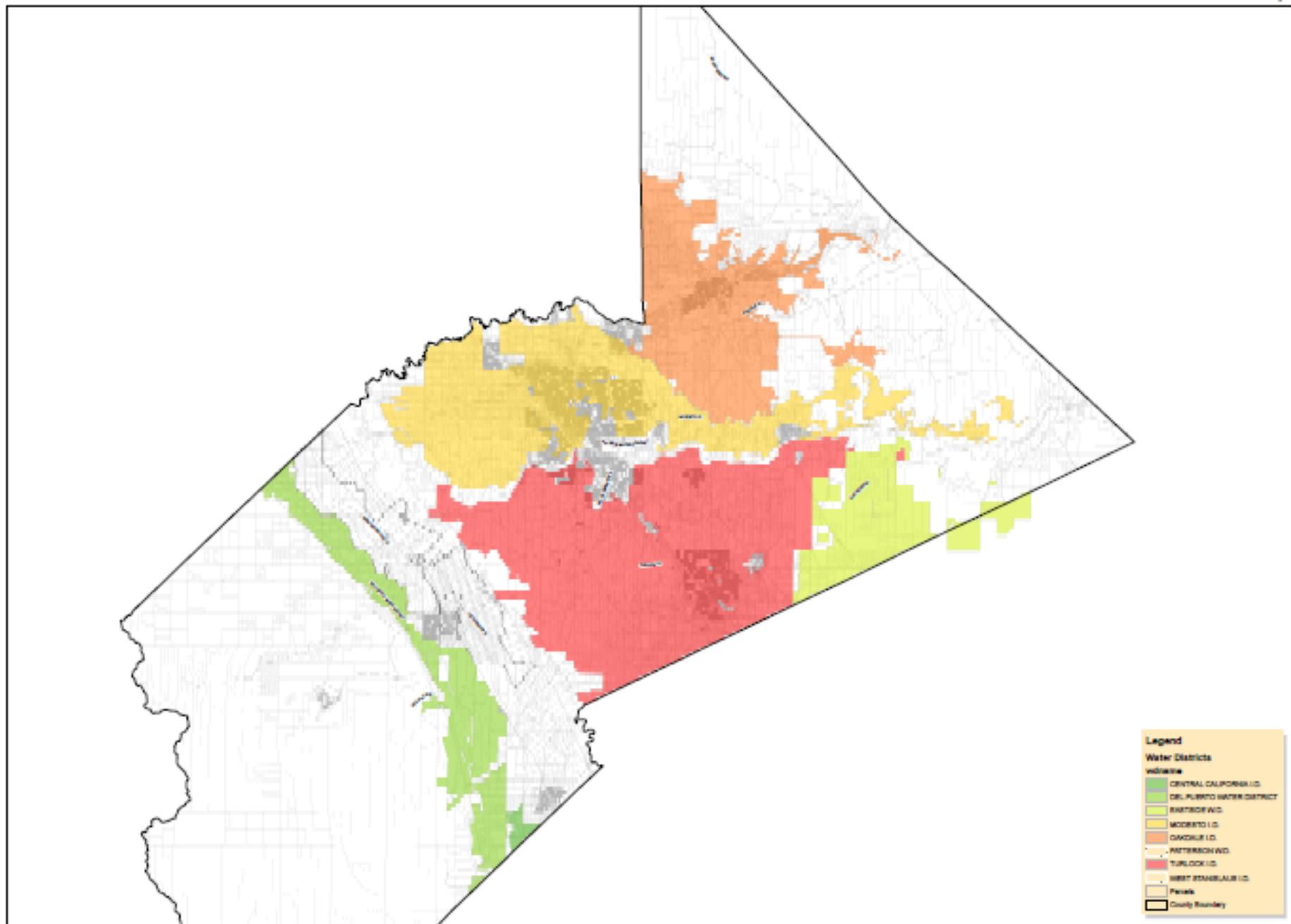
Stanislaus County Case Study

Multi-pronged approach: Present and Future

- Planning/Implementation
 - Water Resources Manager staff position
- Policy Development
 - Water Advisory Committee formation

35,000 17,500 0 35,000 Feet

WATER DISTRICTS



Legend

Water Districts

ndname

- CENTRAL CALIFORNIA I.D.
- DEL PUERTO WATER DISTRICT
- ANTelope I.D.
- MODesto I.D.
- OAKdale I.D.
- PATterson I.D.
- TURLOCK I.D.
- WEST STANISLAUS I.D.
- Parks
- County Boundary

Use Type	Groundwater	Surface Water
City	X	X*
Agriculture	X	X**
Private Domestic	X	
Private Agriculture	X	

*City of Modesto provided 50% average annual demand with treated surface water provided by MID

** West valleyside: CVP (imported), some riparian
East valleyside: Reservoir Storage (local)

County-wide Comprehensive Water Plan

“Silos” of information exist

Public & Private sources

Sew together into single fabric:

UWMPS

AWMPS

GWMPS

Integration & Synthesis (common planning horizon, terminology and forecast methods)

Groundwater Mining & Export Prevention

Adopted Fall 2013

Create local “regulatory oversight” program:

- Out-of-County groundwater exports
- In-County “mining” of groundwater resource

Water Advisory Committee

Board of Supervisor appointed and approved

Community cross-section

Cities, business, developers, well drillers,
pump installers, agricultural interests
(landowners and water purveyors)

100 day plan (*action*, not political cover)

Open public discussion and debate

FIRST MET YESTERDAY, FEBRUARY 26, 2014!

WAC Mission Statement

“To evaluate the status of the groundwater resources of Stanislaus County in order to identify and develop programs and practices that ensure a reliable and sustainable groundwater supply for the benefit of its citizens, present and future, and to make recommendations to the County Board of Supervisors to adopt public policy that empowers such identified actions.”

Technical Advisory Committee

Science-based arm to WAC

Six agricultural water purveyors (east & west)

Four cities (geographic distribution)

Research/Reporting to WAC

Groundwater Management Core Elements

Mapping (GIS-based)

- consistent database (maintain and update)

- Location and MP elevation for each well

Construction

- Total Depth/Cased Depth

Pumpage Data

- Metered?

- Rate Capacity x run time?

Water Level monitoring (CASGEM)

Groundwater Model

United States Geological Survey (USGS)

Local cost-share members with Federal
Government

MODFLOW

1960-2004 calibration period

“Crystal Ball” forecasting

Public Tool

Peer Reviewed Technical Report

Fall 2014

Board of Supervisors

Provide regular Board Updates

- 100 day action plan in June 2014

- Long-term vision plan in January 2015

Inform on progress

Receive guidance or course correction

Make recommendations for consideration of adoption

Suggest implementation mechanisms



ANY QUESTIONS?