

# Local Groundwater Assistance (AB 303) Grant Funding Opportunities

Presented to:



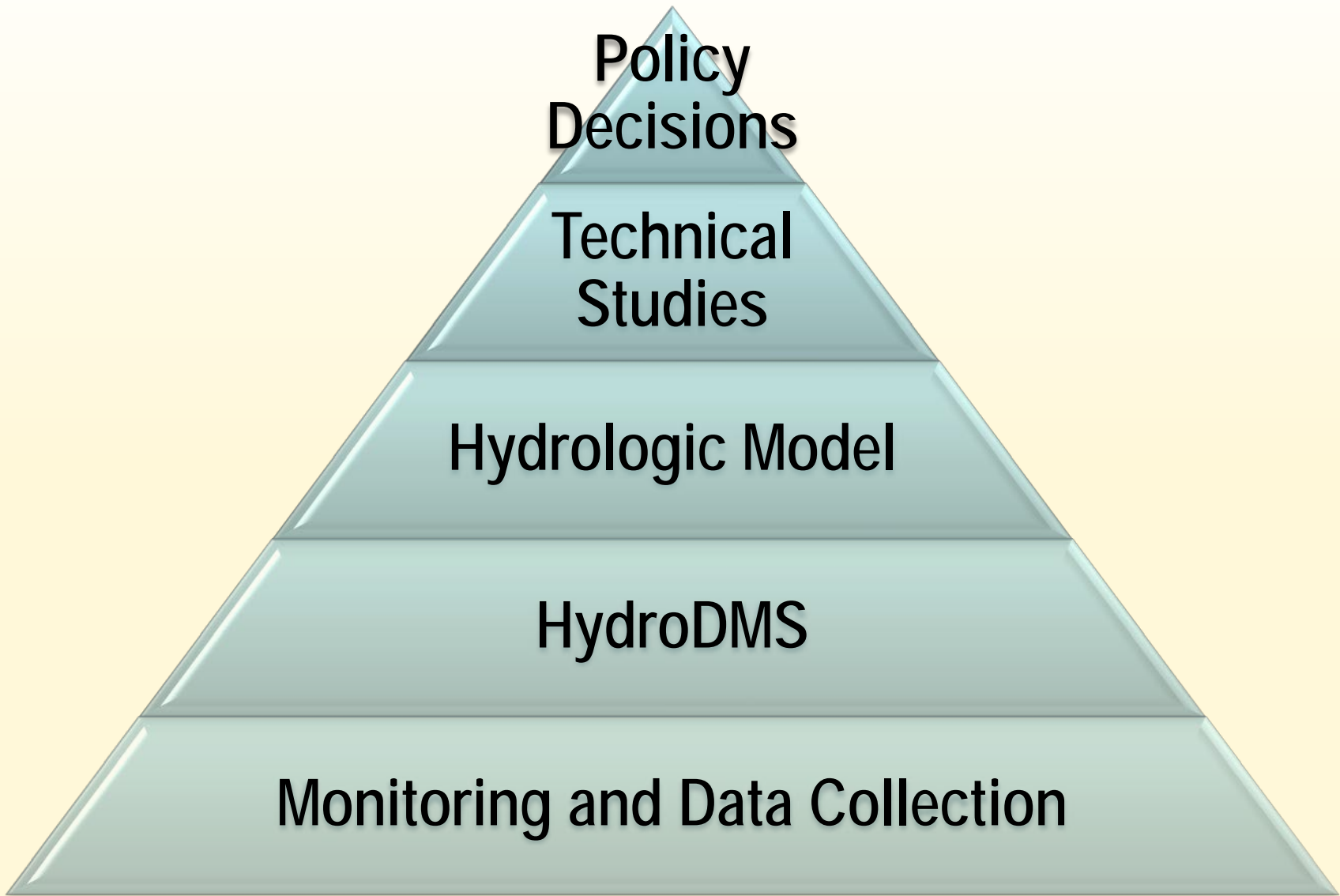
**Presenter**  
Jim Blanke

March 14, 2012

*Innovative Solutions for  
Water and the Environment*

# Outline

- Background on Groundwater Level Management
  - GWMP
  - Monitoring
  - HydroDMS
  - SacIWRM
- AB303 Grant Proposal Project

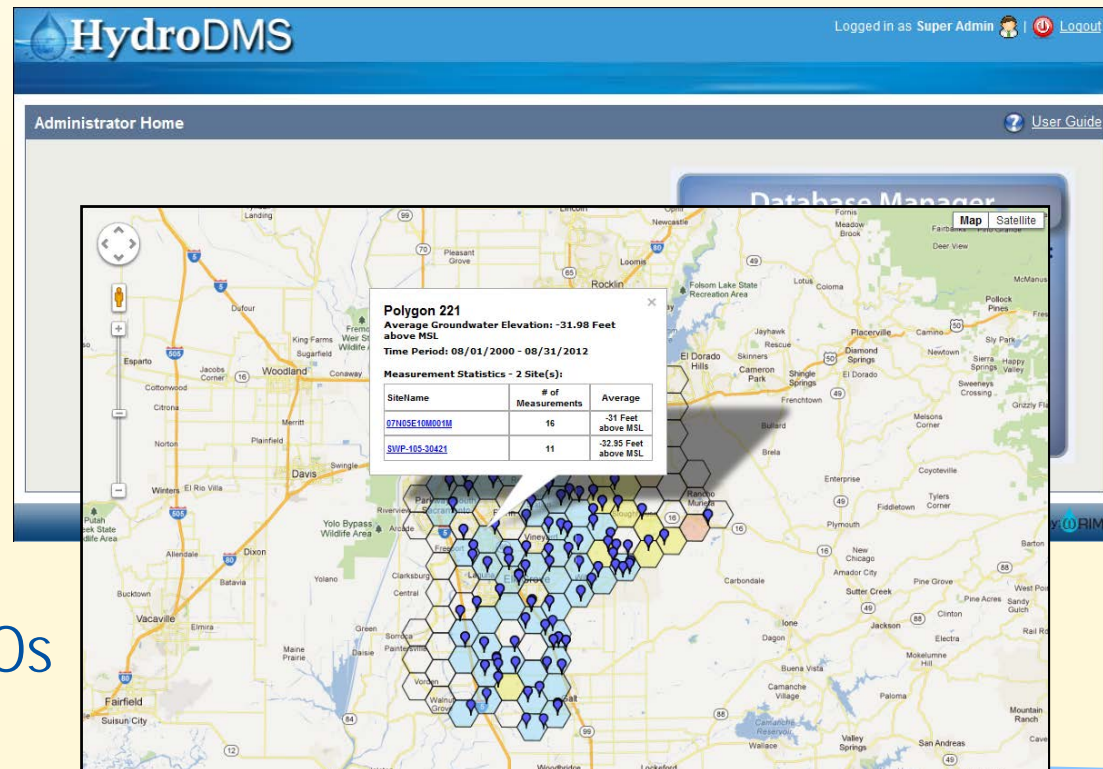


# Groundwater Level Monitoring

- CASGEM
- DWR monitoring (WDL)
- Individual agency monitoring
- Contaminated site monitoring

# Hydrologic Data Management System

- FY '07-'08 AB303 grant
- Activities
  - Data compilation
  - Quality control
  - Interface design
  - User access
- Improved
  - Access to data
  - Data analysis tools
  - Visualization of BMOs

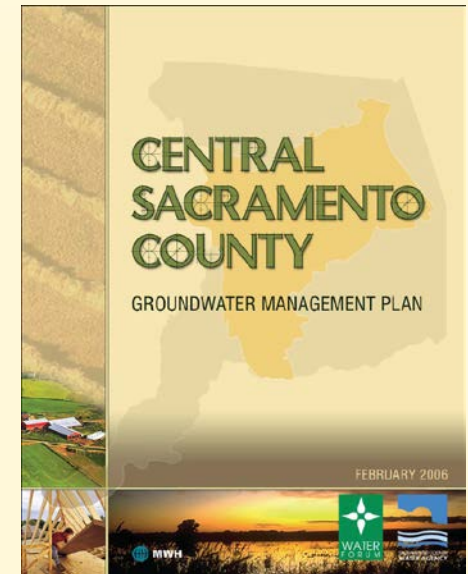


# Sacramento County Integrated Water Resources Model (Sac IWRM)

Year	Study	Year	Study
1992	City IGSM	2000	ARBCA Studies
1993	County IGSM	2002	Aerojet Analysis
1996	ARWRI	2004	Zone 40 WSMP Update
1996	Northridge CU Study	2005	NCMWC Impacts Assessment
1996	Rio Linda WS Analysis	2005	Rio Del Oro Impacts Study
1996	Hydrology Update	2007	Sutter Measure M Impact Study
1996	Water Forum	2007	Sun Creek Development
1999	Sunrise Douglas WS Analysis	2008	Model Comprehensive Update
1999	Zone 40 (N. Vineyard Well Field)	2009	TNC Study

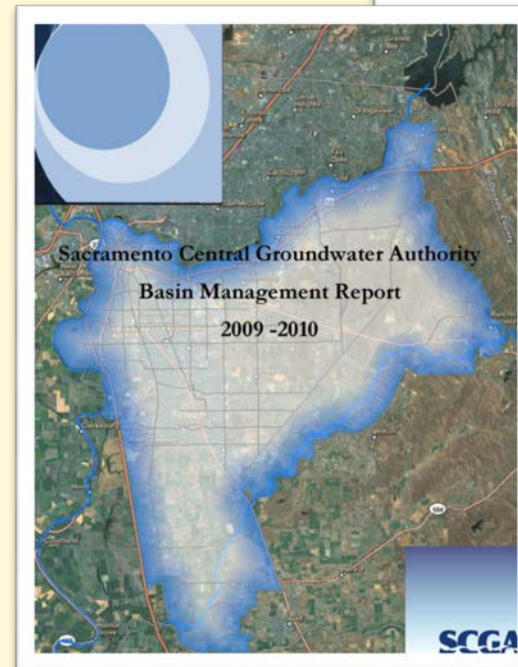
# Groundwater Management Plan

- Objectives
  - Maintain a long-term average **groundwater extraction** rate of 273,000 AF/year.
  - Establish specific minimum **groundwater elevations** within all areas of the basin consistent with the Water Forum Solution.
  - Protect against any potential inelastic land surface **subsidence**.
  - Protect against any adverse impacts to **surface water** flows.
  - Develop specific **water quality** objectives for several constituents of concern.



# Groundwater Management Plan

- Establish specific minimum groundwater elevations within all areas of the basin consistent with the Water Forum Solution.
  - No Thresholds
  - Methodology



**Appendix B**  
of the development of Basin Management  
2 (Maintain specific groundwater elevations  
reas of the Central Basin consistent with the  
Water Forum solution).



# Proposed Project for Funding

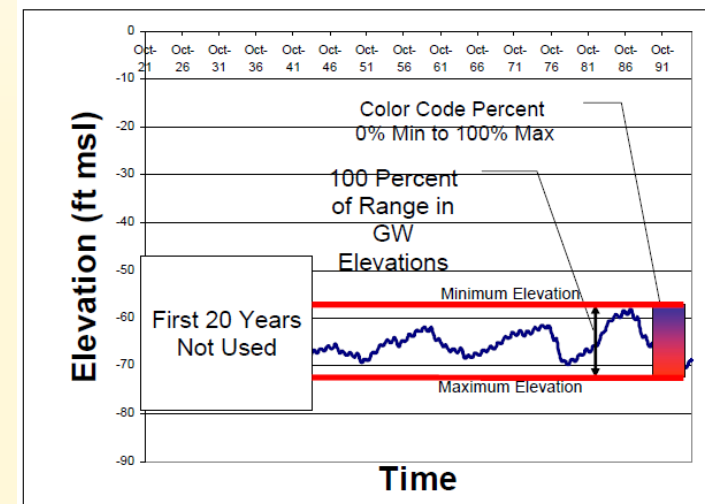
- Complete BMO No. 2 – Groundwater Elevations
- Develop recharge map (AB 359 compliance)

# Proposed Project for Funding

## Complete BMO No. 2 – Groundwater Elevations

- Follow/Update GWMP methodology
- Update SacIWRM hydrologic data
- Aggregate polygons
- Identify appropriate wells for analysis
- Identify data gaps
- Develop thresholds
- Provide public/Board presentations
- Incorporate results into HydroDMS

Figure B-2. Methodology of Bandwidth based on Model Hydrograph



# Proposed Project for Funding

Develop recharge map (AB 359 compliance)

- Review methods of development
  - modeled recharge
  - hydrologic and near-surface properties
- Develop map(s) / Identify data gaps

(D) For purposes of this paragraph, “map identifying the recharge areas” means a map that identifies, or maps that identify, the current recharge areas that substantially contribute to the replenishment of the groundwater basin.

# Results

- Implementation of BMO #2. Reporting of progress in biennial reports
- Monitoring prioritization (data gaps)
- Recharge maps / Compliance with AB 359
  - Recharge / LID projects
  - Wellhead protection

# Timing / Next Steps

- Comment period on draft PSP ended March 1
- Final PSP may not be out until summer
- Update needed for authorizing resolution

# Questions?