

Current Policy Successes in the TAMA

Presented to: The ADWR Enhanced Aquifer
Management Stakeholder Meeting #2

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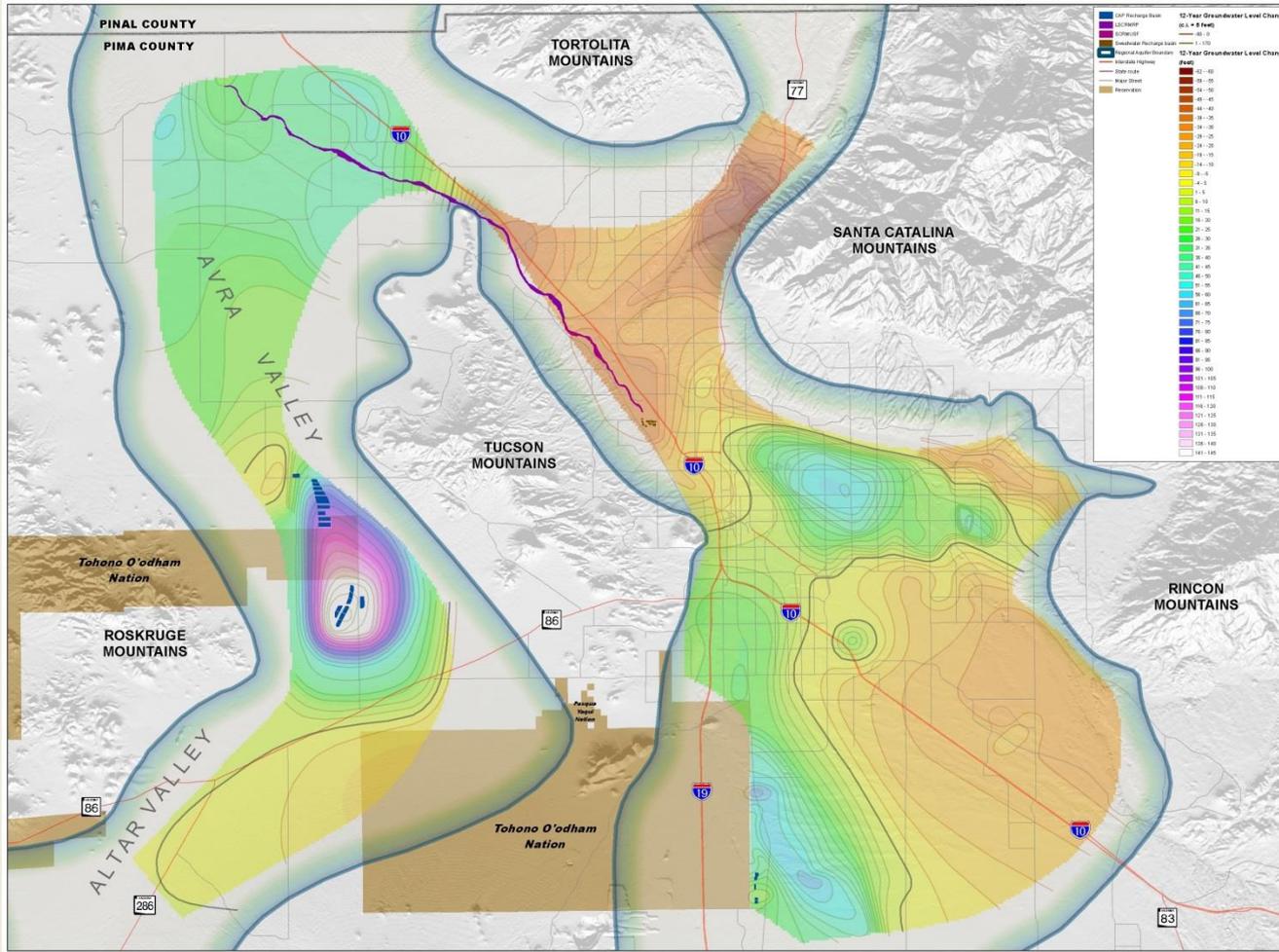
November 13, 2013



Overview

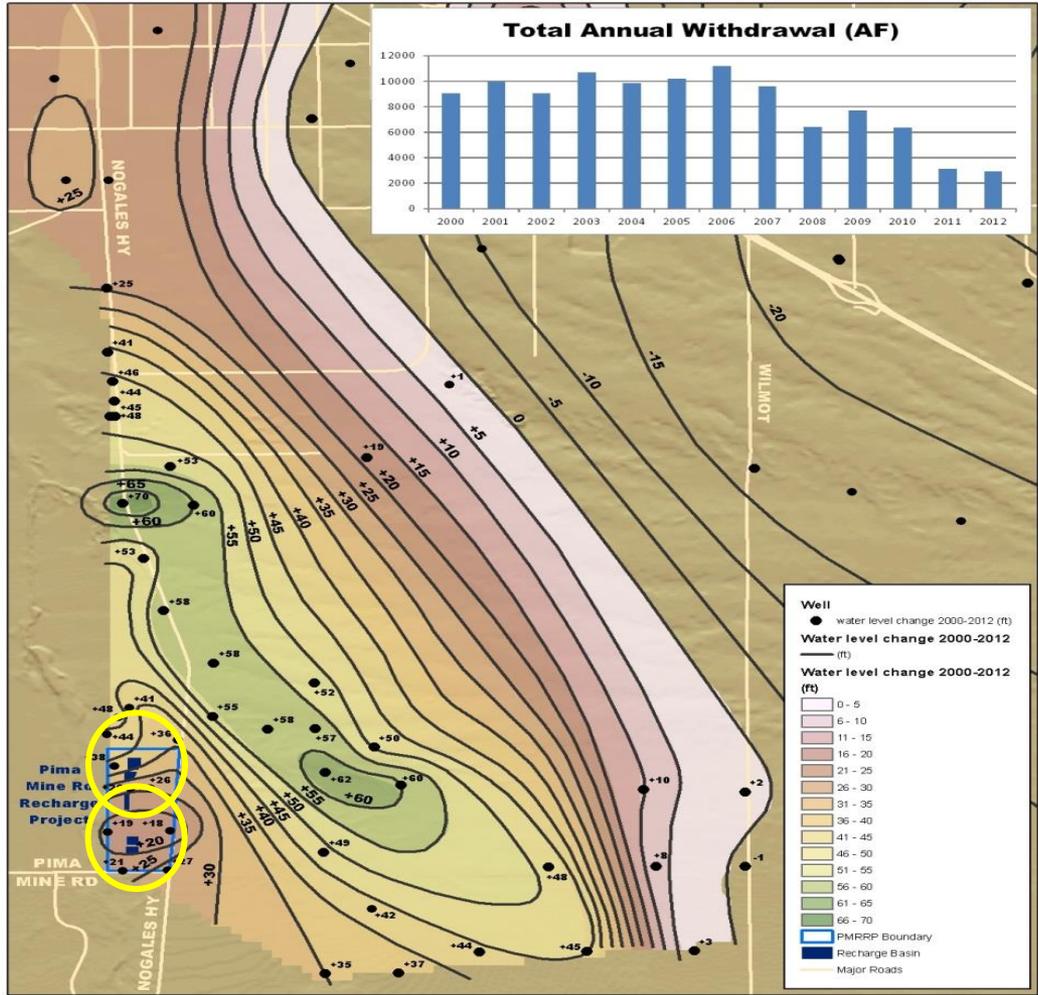
- Aquifer Status 2000 – 2012
- Impact Analysis – PMRRP
- Direct and Wheeling Projects
- Effluent Utilization
- Next Steps

Water Level Change in the TAMA 2000 - 2012



PMRRP & Santa Cruz Well Field

Pima Mine Road Area Groundwater Recovery 2000-2012

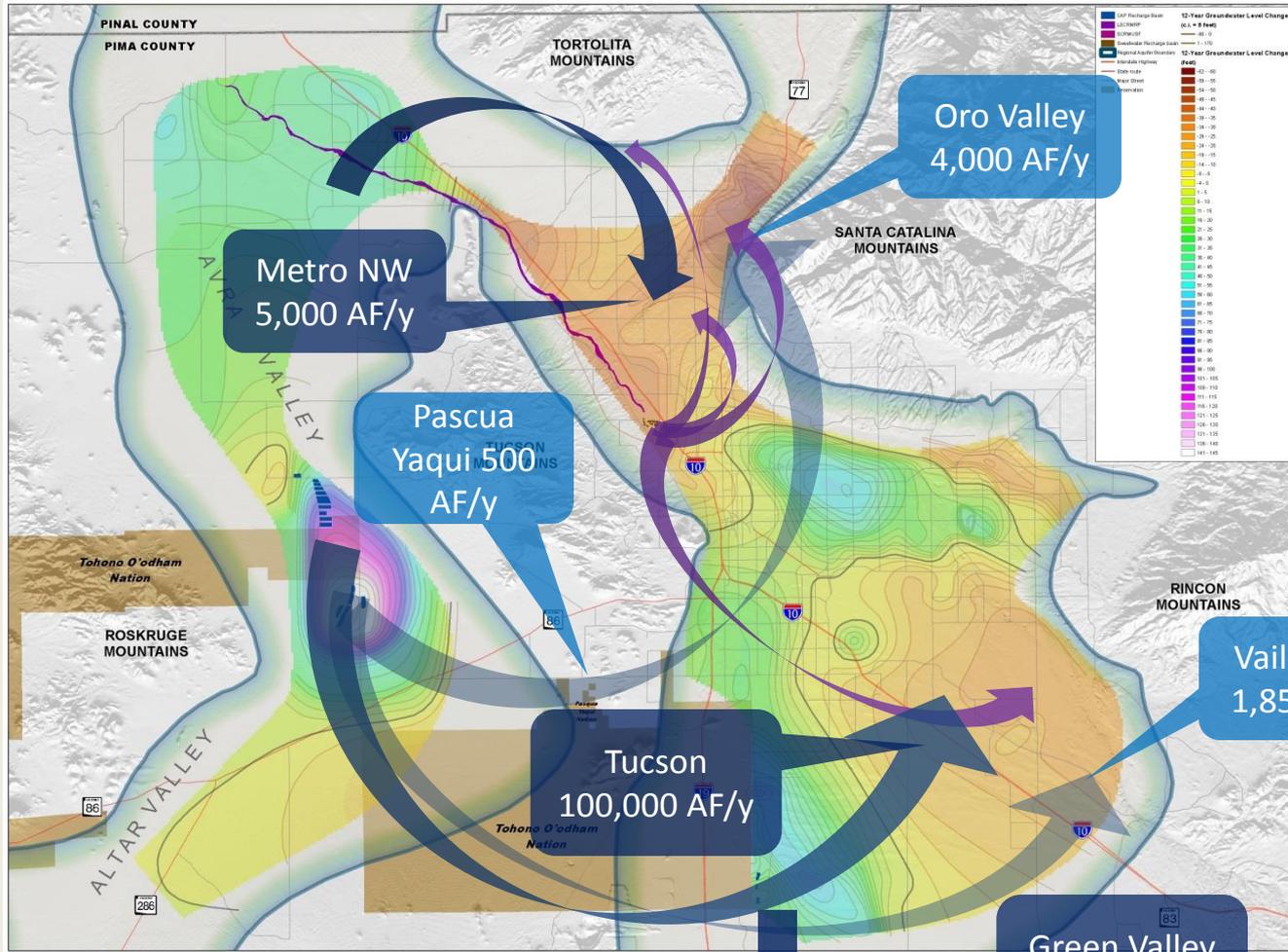


Financial Impacts

- Santa Cruz Well Field Pumpage Ramping to ~18,000 AF
 - Five Capital Projects Culminating in FY 2015
 - Balance Water Levels at PMRRP Facility
 - Lowest Energy Costs to Utility
- Recovery >1 Mile from PMRRP
 - 10% Cut to Aquifer for Annual Storage and Recovery
 - 1,800 AF of Resource Loss
 - \$320,400 Resource Investment Loss (2015 Advisory CAP Rate - \$178)
 - ~\$1.9 M Lost Revenue



Renewable Supply Deliveries and Wheeling Programs



TAMA Effluent Utilization

- 2012 Total Effluent Production 61,393 AF
- SAWRSA 28,200 AF
- Municipal Effluent Availability and Direct Use
 - Tucson 25,092 AF / 9,362 AF
 - Oro Valley 1928 AF / 1928AF
 - Metro Water 2172 AF / 0
 - Flowing Wells 639 AF / 6 AF
 - Pima County 3319 AF / 1777 AF
- Total Direct Use 13,073 AF



TAMA Effluent Utilization 2012

- Balance of Municipal Effluent Availability 20,118 AF
- After ET and Recharge 6,890 AF outflow
- Total Cut to Aquifer 4,910 AF

- Expanding Effluent Recharge and Use
 - Metro Water Wheeling ~TBD AF
 - SRF Basin Expansion ~3,000 AF
 - SHARP ~4,000 AF
 - Tucson's RWMP and future IPR



Next Steps

- Continue Participation in this Stakeholder Process
- Contribute to the Development of TAMA 4th Management Plan
- Assist ADWR with Revised Pumpage Projections for Models
- Continue Regional Cooperation within the TAMA and with other AMA's to address the impacts of groundwater pumping

Bottom Line

The current policies have incentivized Regional Cooperation in the TAMA addressing areas of water level declines. The proposed policy may disincentive future purchases of renewable supplies and/or limit future infrastructure projects needed to reverse water level declines.



Questions

