Who are the Regional Management Group
Proximity and Diversity of Resources
Chronology of Activity
Challenges and Management Strategy
Poso Creek Regional Management Group

- Cawelo Water District (SWP)
- Delano-Earlimart Irrigation District (CVP)
- Kern-Tulare Water District (CVP)
- North Kern Water Storage District (Local)
- North West Kern Resource Conservation District
- Semitropic Water Storage District (SWP)
- Shafter-Wasco Irrigation District (CVP)
- 16 Disadvantaged Communities
The proximity of the Regional Management Group to the California Aqueduct, Friant-Kern Canal, Kern River, Poso Creek and groundwater banking facilities, combined with large conveyance and absorptive capacity, provides an ideal setting for expanded conjunctive use operations.
Poso Creek IRWM Chronology

- 2005 – Formed Regional Water Management Group
- 2006 - Received Prop 50 Planning Grant (IRWMP)
- 2007 – Adopted IRWMP
- 2007 – Scored IRWMP in Prop 50 Funding Round
- 2008 – Shifted Regular Meeting Focus to Implementation
- 2008 to 2010 – Conducted Reclamation System Optimization Review
- 2009 – Region Acceptance Process with DWR, conditionally approved
- 2009, 2010, and 2011 – Received Reclamation Grants
- 2010 – Governance MOU completed
- 2010 – Applied to Rural Water Supply Program
- 2011 – RAP II with DWR, fully-accepted as Region
- 2011 – Implementation Grant from DWR
Challenges to the Region: Historical and Projected Groundwater Levels

The Largest Water Supply Challenges Facing the Region

- Water Reliability
- Water Cost
- Water Quality

Regional Groundwater Levels

- Historical
- Future

1950 1970 2006 2026

With Poso Creek IRWMP
With projected reduction in surface water supplies
Historical Surface Water Supplies

1981 – 2005 Surface Water Supplies

CVP 42%
Local 34%
SWP 24%
Priority Water Management Strategy in Region

Non-structural – Have Institutional Agreements and Environmental Documents in place to move water

Structural Measures
Expand In-lieu Service Areas
Expand Direct Recharge
Modify Regional Conveyance to enhance:
  – Groundwater Management
  – Water Supply Reliability
  – Conjunctive Management of Surface Water and Groundwater
  – Water Transfers and Exchanges
Implemented Water Supply Enhancement Projects - $20M Grant Funding since 2008

Semitropic In-lieu P-1030 and P-565 Systems ($30M) (2007 funded without grants)

Reclamation Funding: 2008 to present
- Poso System Optimization Review ($300K)
- North Kern and SWID North and South Interties ($600K)
- DEID’s Turnipseed Banking Enhancement ($1.55M)
- Semitropic Canal Improvements, VFDs and Sonic Meters ($300K)
- North Kern’s Turnout No. 2 ($300K)

ARRA funds in 2009:
- Semitropic Pond-Poso Spreading Grounds ($2.2M)
- North Kern Calloway to Lerdo Intertie ($5M)
- Water Conservation and Efficiency ($711K), NRCS ($1M)

DWR Prop 84 Imp Grant, ($8.25M); CVC to Cal Canal Intertie ($6.8M)