

Merced Area Groundwater Pool Interests (MAGPI)

Overview

September 28, 2015



MERCED AREA GROUNDWATER POOL INTERESTS

MAGPI- Genesis

- Groundwater Management Act of 1992 (AB 3030) –
 - Authorized Local Water Purveyors Agencies Manage Groundwater Management
 - Required a Groundwater Management Plan by Locals
- MAGPI
 - Formed In 1997 Per AB 3030 - Membership Bound by a Memorandum of Understanding
 - MAGPI Composed of 16 Members



MAGPI Members

- City of Merced
- City of Atwater
- City of Livingston
- Merced County
- MID
- Turner Island WD
- Lone Tree MWC
- Stevinson WD
- LeGrand-Athlone WD
- Winton CSD
- Planada CSD
- LeGrand CSD
- Meadowbrook WC
- Black Rascal WC
- East Merced RCD
- Chowchilla WD



MAGPI – Objectives 1997 MOU

- a) To Determine and Evaluate the Basin's Existing Groundwater Supplies
- b) Prepare and Promote a Draft Groundwater Management Plan of the Basin, which could be Adopted by the Appropriate Agencies or in the Event the Parties Deem Appropriate to Form a Joint Powers Authority (JPA) to Adopt Such a Plan, which then be Ratified by the JPA members
- c) Consider Developing and/or Adopting an Existing Hydrologic Groundwater Model of the Basin's Groundwater Supplies for Association Analysis of the Basin



MAGPI – Objectives 1997 MOU

- d) Determine the Basin's Need for Additional or Improved Water Extraction, Storage, Delivery, Conservation, Reuse and Recharge Facilities
- e) Provide Information and Guidance for the Management, Preservation, Protection and Enhancement of the Basin
- f) Begin to Determine the Safe Yield of Basin



MAGPI – Groundwater Activities Outside MAGPI

- 1993-1995 Merced Water Supply Plan (MWSP) with the City of Merced, Accepted but Not adopted by MID Board
- 1995 - 1996 Recharge Exploration – Field Work to Locate Recharge Areas
- 2000 – 2001 MWSP with City of Merced and UC Merced
- 2003 Southeast Quadrant Study Feasibility Study for Well Field Planada/Le Grand



MAGPI – MAGPI Activities

- 1997 Adopted Groundwater Management Plan Per AB 3030
- 2001 Conjunctive Water Management Program MOU with DWR
- 2001 Cressey Pilot Recharge Basin Geologic Exploration (DWR Funds)
- 2002 Data Assessment (DWR Funds)
- 2003 Conjunctive Use Site Assessment (DWR Funds)
- 2004 Tied Basin Public Wells to One Elevation Datum, Bear Creek Surface/Ground Water Interaction Investigation



MAGPI – MAGPI Activities

- 2007 – Prsnt Water Resources Model (DWR Cost Share)
- 2007 – 2013 Merced Integrated Regional Water Management Plan (DWR Funds)
- 2008 Update Merced Groundwater Basin Groundwater Management Plan Per SB 1938
- 2012 Basin Monitoring Plan per California Statewide Groundwater Elevation Monitoring (CASGEM)
- 2014-Prsnt Followed Various Bills of the Sustainable Groundwater Management Act





Questions ?



MERCED AREA GROUNDWATER POOL INTERESTS