

### Attachment 3 Status of GWMP

Yucaipa Valley Water District does not have an adopted Groundwater Management Plan. This grant application seeks funding to develop a GWMP. The GWMP for the Yucaipa Basin is expected to be adopted on October 31, 2014.

Several documents have been prepared that underscore the District's intent to develop and adopt a GWMP. Q 7 in the "Applicant Information and Questions Tab" provides a list of documents that indicate collaboration with other entities on groundwater management.

Key documents that show the District's intent to develop and adopt a GWMP are listed below and included in Appendix B:

- **Letters of Commitment to Develop a GWMP from Participating Subbasin Agencies and Cities** – San Bernardino Valley Municipal Water District, the City of Redlands, the City of Yucaipa, Western Heights Mutual Water Company, and South Mesa Mutual Water Company. See Appendix B
- **SBVMWD Usable Capacity and Safe Yield Study, 2012** - San Bernardino Valley Municipal Water District (SBVMWD), RFP to Determine the Usable Capacity and Safe Yield for each Sub-Basin within the Yucaipa Basin Area, 2012 – a partnership that includes SBVMWD, YVWD, San Gorgonio Pass Water Agency, South Mesa Mutual Water Company, Western Heights Mutual Water Company (WHWC), and the cities of Redlands and Yucaipa has been formed to hire a consultant to determine the usable capacity and safe yield for each Subbasin within the Yucaipa Basin Area. The Study will be completed in March, 2013. See Appendix C.
- **USGS Studies** - In several respects, the District has already established an informal groundwater management plan with the numerous water resource projects completed by the USGS which has produced the following information that provides important data for a GWMP:
  - Recharge Tracking
    - Imported water was recharged in the Wilson Creek spreading basin in 2009. Since then, groundwater quality data have been collected from the Wilson Creek multiple-completion well site and nearby production wells in order to track the horizontal and vertical movement of the recharge water.
    - Water quality sampling from the Wilson Creek multiple-completion monitoring well site and from YVWD production wells
  - Reporting
    - For the data report documenting the multiple-completion monitoring well sites,
      - Cuttings were photographed and lithologic descriptions were tabulated;
      - Water-quality data were extracted from the USGS database;
      - Figures and tables were created; and
      - Electronic versions of the geophysical logs were archived.
    - For the geologic sections and water-level maps,
      - GIS coverage showing different mapping of faults were obtained and compared to define groundwater subbasins; and

- Gravity model, showing depth and configuration of the basin and subbasins, was updated with the new fault map. See Appendix D for additional information the USGS studies.

Other documents showing the District's intent to develop and adopt a GWMP include:

- **Safe Yield Estimates Established** - John Mann (Mann 1986) and David Keith Todd (Todd, 1988) independently estimated the safe yield of the collective subbasins at 10,634 and 7,910 acre-feet/year, respectively. Both studies represent the best available estimate of the safe yield for the collective Yucaipa basins. The average of the two safe yield estimates, 9,270 (1990), has been accepted as the safe yield goal by groundwater pumpers in the subbasin.
- **Maximum Perennial Yield Study** - Geoscience Support Services, Evaluation of Maximum Perennial (Safe) Yield for the Groundwater Basin within the Western Heights Mutual Water Company Service Area, 2012 – this study will be completed in 2012 and be included in the SBVMW Study listed above that will determine the usable capacity and safe yield for each Subbasin within the Yucaipa Basin Area.
- **YVWD – Resolution 12-1998** – Groundwater Protection Plan
- **YVWD – Resolution 13-2007** Urban Water Management Plan
- **YVWD – Resolution 06-2008 Adopt Upper Santa Ana Regional Watershed Integrated Regional Water Management Plan** – includes components required in a GWMP including identification of several Basin Management Objectives to assist local agencies in optimizing local resources while protecting groundwater resources, and water management strategies to be implemented to achieve those goals.
- **YVWD – Adoption of Resolution 07-2009 One Water One Watershed, Integrated Regional Water Management Plan for Santa Ana River Watershed** - groundwater management is incorporated into this IRWMP with conjunctive use, improving/managing groundwater storage and utilization of unused groundwater capacity being some of the resource management strategies described in the plan.