



## 2012 Progress Continues on the Basin Management Objectives

### PUBLIC OUTREACH & STAKEHOLDER INVOLVEMENT

- Implemented Public Outreach Plan: updated web site ([www.sonomacountywater.org/svgroundwater](http://www.sonomacountywater.org/svgroundwater)).
- The Basin Advisory Panel met quarterly to implement the groundwater management program.
- The Technical Advisory Committee met monthly to provide technical advice on the groundwater management program.
- Conducted local technical presentations and briefings.
- Sponsored public meetings on the Stormwater Management/Groundwater Recharge Scoping Study.

### RECHARGE A PRIORITY

Provided input on two recharge studies:

- Stormwater Management/Groundwater Recharge Scoping Study in Sonoma Valley
- Groundwater Banking Program Feasibility Study in Sonoma Valley

### IMPROVE GROUNDWATER SUSTAINABILITY

- Distributed and publicized the "Slow It, Spread It, Sink It" guidebook as a resource for property owners to implement stormwater retention and groundwater recharge projects.
- Conducted efforts to pursue funding for additional groundwater monitoring and conservation projects.

### GROUNDWATER LEVEL MONITORING

- Drilled, Constructed and Sampled two multi-depth wells with a \$250K grant.
- DWR, VOMWD, the City of Sonoma, SCWA and local trained volunteers coordinated the semi-annual measurement of water levels from these 141 wells.
- Submitted Monitoring Plan and Data for the California Statewide Groundwater Elevation Monitoring Program.
- Developed and submitted application for Local Groundwater Assistance Grant for additional Groundwater Monitoring Wells

### GROUNDWATER QUALITY PROTECTION

- Continued outreach to distribute Well Owners Guide.
- Initiated development of Salt & Nutrient Management Plan for Sonoma Valley.
- Assembled and compiled additional Department of Public Health groundwater data on wells in the valley.

### CONSERVATION REDUCES GROUNDWATER USE

- Continued the SVGMP Annual Conservation Awards with nominations.

## Hydrologic/Groundwater Conditions in Sonoma Valley

### ANNUAL RAINFALL/SURFACE WATER CONDITIONS

- Annual rainfall was approximately 112% of average for 2011 (33 inches at the City's rain gage compared with the 50-year average of 29.5), and was the second year of above-average rainfall.
- Annual discharge of Sonoma Creek measured at the USGS Agua Caliente gage was approximately 140% of average in 2011 74,355 acre-feet compared with the average of 51,839 af.
- Approximately 19,475 af of discharge was measured at the Kenwood gage on Sonoma Creek

### GROUNDWATER CONDITIONS

- 2011 groundwater level trends observed in shallow-zone wells (<200-feet) are generally stable and groundwater level declines are more pervasive and pronounced in deeper-zone wells (> 200 feet).
- Two previously identified, deeper zone groundwater depressions remain evident - southeast of the City of Sonoma and Southwest of El Verano. Groundwater levels are locally below sea level in these areas.

## 2013 Goals and Planned Activities

### PUBLIC OUTREACH & STAKEHOLDER INVOLVEMENT

- Continue BAP and TAC meetings, prepare media outreach materials and conduct stakeholder briefings.

### GROUNDWATER MONITORING PROGRAM

- Expand Voluntary Groundwater-Level Monitoring.
- Continue multi-agency coordination on ground water monitoring and submit CASGEM data annually.
- Develop Subsidence Monitoring Program

### GROUNDWATER QUALITY PROTECTION

- Participate in the development of the salt and nutrient management plan for Sonoma Valley.
- Conduct additional water quality sampling to assess source of salinity in southern Sonoma Valley.

### GROUNDWATER SUSTAINABILITY

- Complete the two groundwater recharge studies:
  - Stormwater Management/Groundwater Recharge Study
  - Groundwater Banking Program Feasibility Study
- Initiate preparation of a stormwater management/groundwater recharge feasibility study.
- Identify funding and initiate preparation of a groundwater banking pilot study.
- Conduct seepage runs in Sonoma Creek and tributaries to study interaction of surface water and groundwater.
- Upgrade existing hydrogeologic conceptual model and groundwater flow model.

