Key Groundwater Basins in Sonoma County

- Alexander Valley Study Area Completed 2006
- Sonoma Valley Study Area Completed 2006
- Santa Rosa Plain Study Area Initiated 2005
- Petaluma Valley Study Area
Key Findings:

- Increased pumping between 1975-2000 (6,000 to 8,500)
- Localized decline of groundwater levels
- 17,000 acre-ft decline groundwater storage
- Salinity issues in southern part of Valley

(units: acre-feet/year)
Santa Rosa Plain

About 12,000 wells

Reported or Estimated Discharge:

Municipal
3,900-10,100

Ag
8,900-46,600

Domestic
11,000-23,200

(units: acre-ft/year)
Recharge/Recovery Wells

Aquifer Storage

Riverbank Filtration Facility

Urban Areas

Surplus water stored in aquifer for subsequent use during low river flow seasons, droughts, or emergencies