

GOALS AND OBJECTIVES OF THE PLAN

Santa Rosa Plain

Draft 6-12-2012

(Includes BAP 6/7/2012 Feedback)

Goal

The goal of the Plan is to locally manage and protect groundwater resources through non-regulatory measures to support all beneficial uses, including human, agriculture, and ecosystems, in an environmentally sound, economical, and equitable manner for present and future generations.

Basin Management Objectives

Integrated Groundwater Management

- Improve coordination and interaction between water resource management agencies
- Conjunctively manage surface water and groundwater to improve water supply availability and reliability
- Coordinate surface water and groundwater management with land use planning
- Foster shared management responsibilities among urban and rural stakeholders
- Further cultivate state and federal partnerships for program implementation

Stakeholder Involvement and Public Awareness

Provide an ongoing forum, information, and current media to educate and improve the public and stakeholder awareness of water and groundwater supplies and management issues to help secure local support of the plan and to ensure collaboration in addressing future challenges during program implementation

Groundwater Protection & Recharge

- *Recharge Area Protection* - Identify and map groundwater recharge areas, encourage the protection of recharge areas to preserve natural recharge and groundwater quality, and provide groundwater recharge area maps to local agencies for planning
- *Recharge Enhancement* - Consider and evaluate, and where appropriate promote, activities to enhance groundwater recharge to provide increased water supply reliability while protecting and improving groundwater quality
- *Wells* - Encourage ~~adequate local regulation and~~ permitting of the construction, placement, reconstruction, and destruction of all wells to provide protection of groundwater resources from pollution or contamination

Conservation & Efficiency

Promote actions to conserve and reduce water usage and increase water and energy efficiency by urban and non-urban water users

Water Reuse

Increase water reuse in a safe and environmentally sound manner to enhance water supply reliability and reduce demands on groundwater and surface water resources

Monitoring & Modeling

The plan should have consistent and ongoing data collection, data management, and monitoring programs and analytical tools including:

- *Groundwater Elevations* - Measure groundwater elevations and foster activities aimed at maintaining groundwater elevations to support all beneficial uses and protecting against land subsidence
- *Surface Water-Groundwater Interaction* - Evaluate surface water and groundwater interactions and foster protection against adverse interactions between groundwater and surface water flows, thereby protecting and enhancing aquatic ecosystems
- *Water Quality* - Monitor groundwater quality and foster activities aimed at protection and improvement of groundwater quality for beneficial uses
- *Land Subsidence* - Monitor for land subsidence and foster activities aimed at protecting against groundwater extraction-related land subsidence
- *Modeling* - The surface water/groundwater model should be maintained and updated at an appropriate frequency based on current data to assess inputs, outputs and change in storage, and to support and enhance science-based decision-making

Climate Change Planning

Integrate a range of future weather scenarios into planning to ensure adequate water supply reliability in a changing climate