

FPBGSA Board Meeting - 10 June 21
 Item 3A - Draft Sustainable Management Criteria

- SMC Matrix
- Stakeholder Discussion / Input on Draft SMC



SMC	Undesirable Results	Metric	MT	MO	Summary	Comments
GW Elevation	Loss of ability to pump GW	GW elevation	WL declines below the base of well screens in more than 25% of representative wells	GW levels at 2011 high WL		maximizes range between MT and MO
GW Storage Reduction	inadequate GW storage to last through multi-year drought without GW extraction limitations	✓ W elevation	WL declines below the base of well screens in more than 25% of representative wells	GW levels at 2011 high WL		maximizes range between MT and MO
SW Depletion	Surface water flow declines due to GSP implementation that interfere with the beneficial use and users	Rising GW rates at the Fillmore-Piru basin boundary (Fish Hatchery) / Depth to GW at the Fillmore - Piru basin boundary	No DOM, MUNI, IRRIG or REC beneficial users or uses of surface water are materially impacted by implementation of the GSP. GDEs addressed through trigger program.	GW levels at 2011 high WL		The GSP does not propose projects or management actions that would change the operational regime of the basins. Therefore, implementation of the GSP does not cause significant and unreasonable effects.
Land Subsidence	Land subsidence amounts that interfere with infrastructure operations	✓ Subsidence rates	Total inelastic subsidence of 1ft/yr or 1ft over 5 yrs	Inelastic subsidence rates within +/- 0.1 ft/yr as determined by InSAR		Monitor subsidence amount - InSAR data from DWR; study to identify susceptible infrastructure (e.g., long-span bridges, gravity sewage systems) for 5 yr GSP update
Degraded WQ	Water quality degradation that impairs the beneficial use of the resource	✓ WQ values	Water quality parameters established in existing or future regulations	FPBGSA is not a water purveyor and lacks regulatory authority for WQ compliance, but will cooperate with appropriately empowered entities		
Seawater Intrusion	NA	✓ NA	NA	NA		

Consultations and Meetings...

✓ Cienega / Fish Hatchery GDE - SW Depletion and GW Elevation

- Internal GSP Team
 - Stillwater Sciences
 - UWCD technical staff
 - DBS&A staff
 - Exec Director
- DWR
 - DWR - Tim Ross, Jack Tung
 - DBS&A staff
 - Exec Director

Brainstorming sessions on possible approaches to set MTs, etc. focused on GDEs for (a) SW depletion due to GW pumping and (b) GW elevations due to GW pumping

Conclusions...

✓ Cienega / Fish Hatchery GDE - SW Depletion and GW Elevation

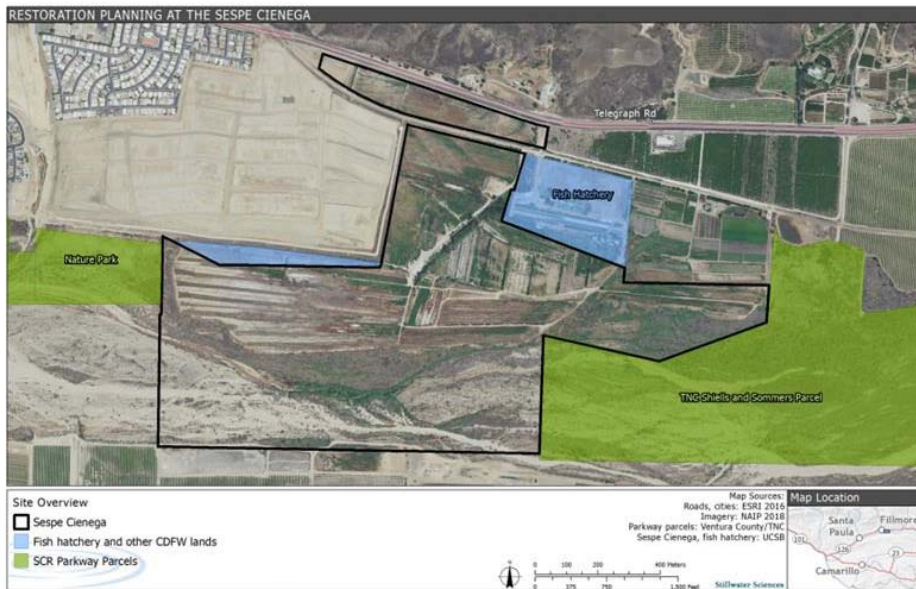
- Internal GSP Team
 - ✓ Focus on Cienega area, only
 - ✓ CWL is an appropriate MT for vegetation
 - ✓ Mitigation of CWL exceedance is appropriate - use pumped GW
 - ✓ Mitigation water used by CDFW at Cienega project
 - ✓ No documented occurrence of spawning or rearing in the isolated reaches
 - ✓ No readily identifiable way to mitigate loss of rising GW due to pumping or evaporation
 - ✓ No readily identifiable way to mitigate water temperature increases

Conclusions...

✓ Cienega / Fish Hatchery GDE - SW Depletion and GW Elevation

- **DWR Meeting**

- ✓ CWL is an appropriate MT for vegetation
- ✓ Mitigation of CWL exceedance is permissible
- ✓ Supports idea of CDFW being responsible for using mitigation water in most effective manner
- ✓ Massive pumping reductions do not resolve issue and create other S&U effects
- ✓ GSA not responsible for water evaporation or temperature rise
- ✓ No documented occurrence of spawning or rearing in the isolated reaches
- ✓ Rising GW depletions due to pumping in future approx. = past, therefore no need for MT

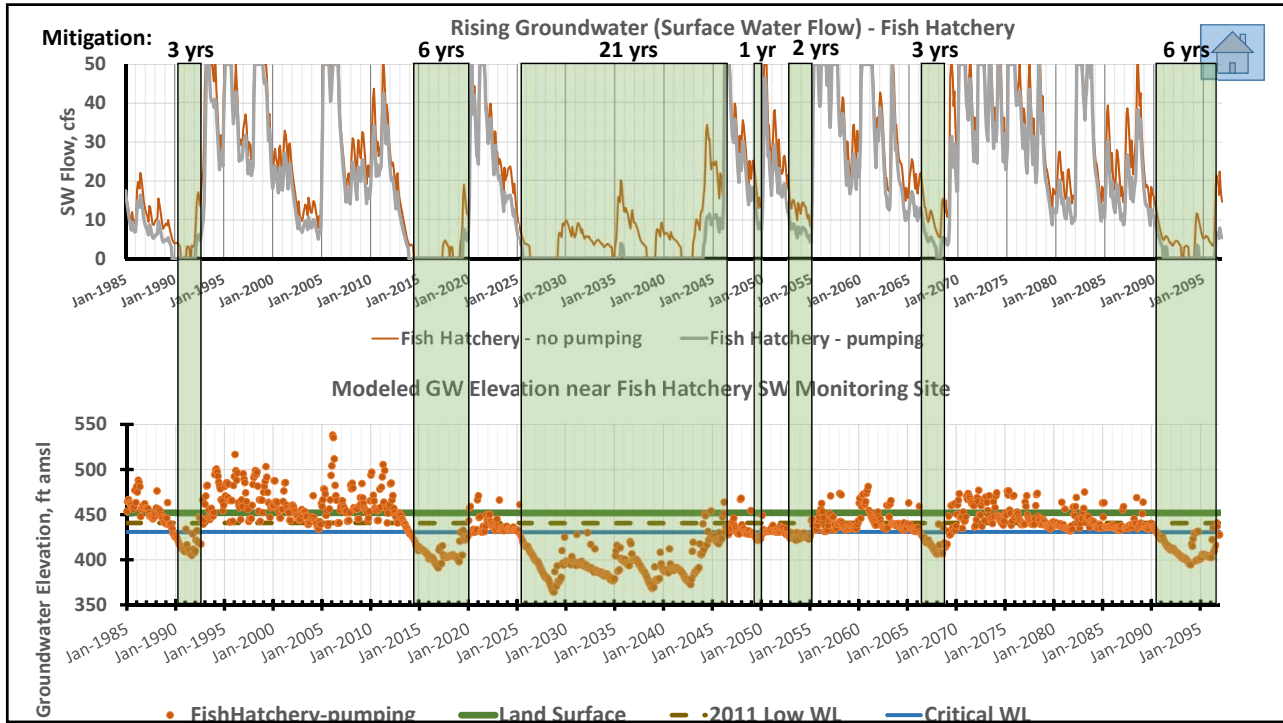


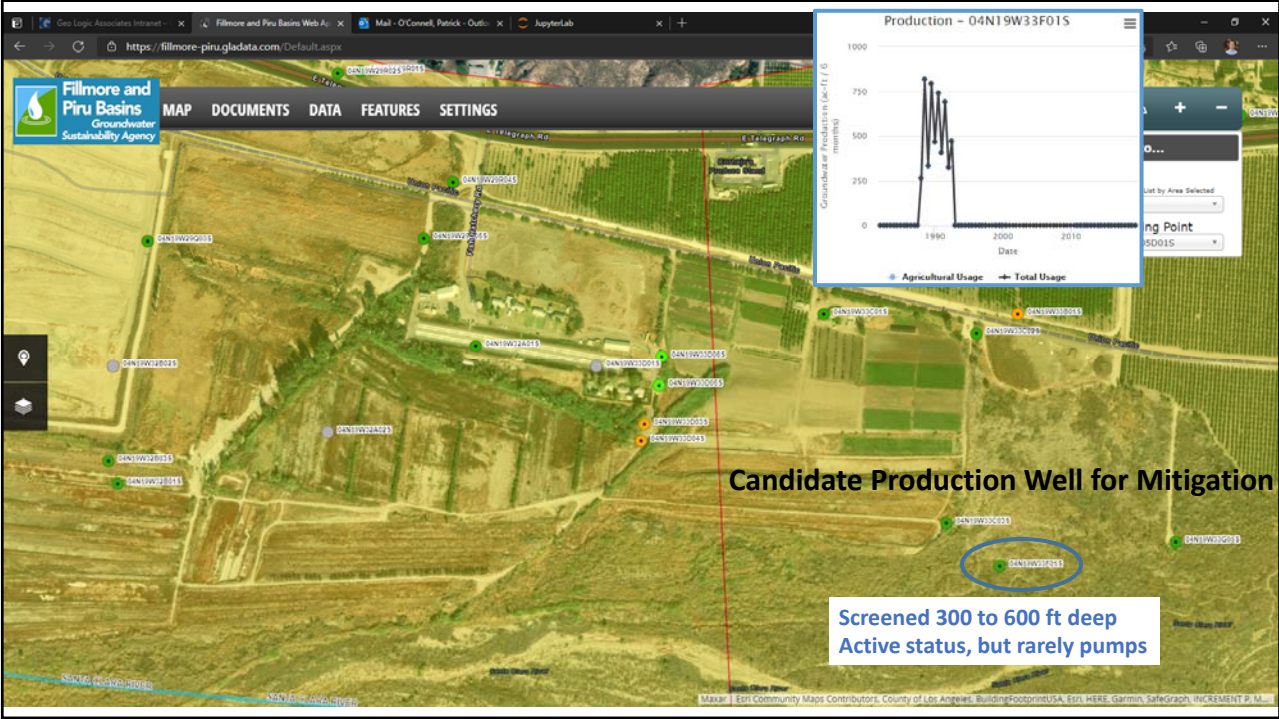
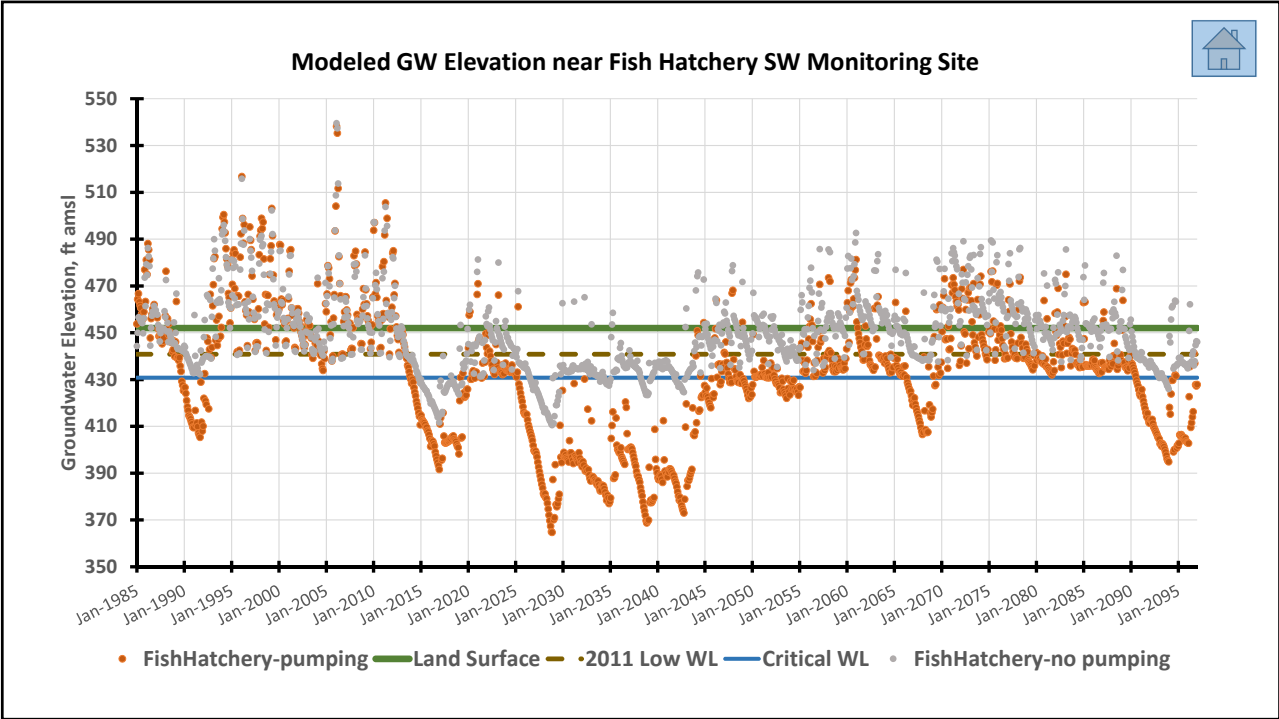
“Cienega Springs” project area

Figure 1-2. CSER project area and adjacent Santa Clara River Parkway Parcel and Fillmore fish hatchery.

SMC	Undesirable Results	Metric	MT	MO	Comments
	Loss of ability to pump GW	GW elevation	WL declines below the base of well screens in more than 25% of representative wells	GW levels at 2011 high WL	maximizes range between MT and MO
GW Elevation	Significant and unreasonable GDE vegetation die-off due to GSP implementation	Depth to GW at the Fillmore - Piru basin boundary	WL declines below the Critical Water Level defined as 10 ft lower than 2011 low WL*	GW levels at 2011 high WL	*when the CWL is exceeded, mitigation water (e.g., Dumped GW) will be provided to CDFW for use at the Geneva Springs restoration project site, if the WL has not recovered to CWL by the subsequent May 1st
SW Depletion	Surface water flow declines due to GW extractions that interfere with the beneficial use and users	Rising GW rates at the Fillmore-Piru basin boundary (Fish Hatchery area)	A MT is not applicable for this sustainability indicator.	GW levels at 2011 high WL	Future rising GW conditions are not expected to be materially different from historical conditions. The GSP does not propose projects or management actions that would change the operational regime of the basins. Therefore, implementation of the GSP does not cause significant and unreasonable effects.

DRAFT
 Do Not Cite or Reference





The graphic is divided into three main sections:

- Water Drop:** A large blue water drop shape containing various environmental and water-related terms such as "Subsidence", "Groundwater Decline", "Surface Water Depletion", "Sea Water Intrusion", "Groundwater Storage Decline", "Water Quality Degradation", and "Water Quality Improvement".
- Questions:** The word "Questions" is written in a bold, black font. To its right is a 3D white figure of a person standing next to a large red question mark.
- ALL YEAR Advertisement:** A vintage-style advertisement for lemons. It features a landscape with mountains and palm trees. The text includes "ALL YEAR" in large yellow letters at the top, "VENTURA COUNTY LEMONS" on the bottom left, "Sunkist" with a lemon logo in the center, and "FILLMORE LEMON ASSN. FILLMORE CALIFORNIA U.S.A." on the bottom right. A small "GROWN IN U.S.A." logo is also visible.