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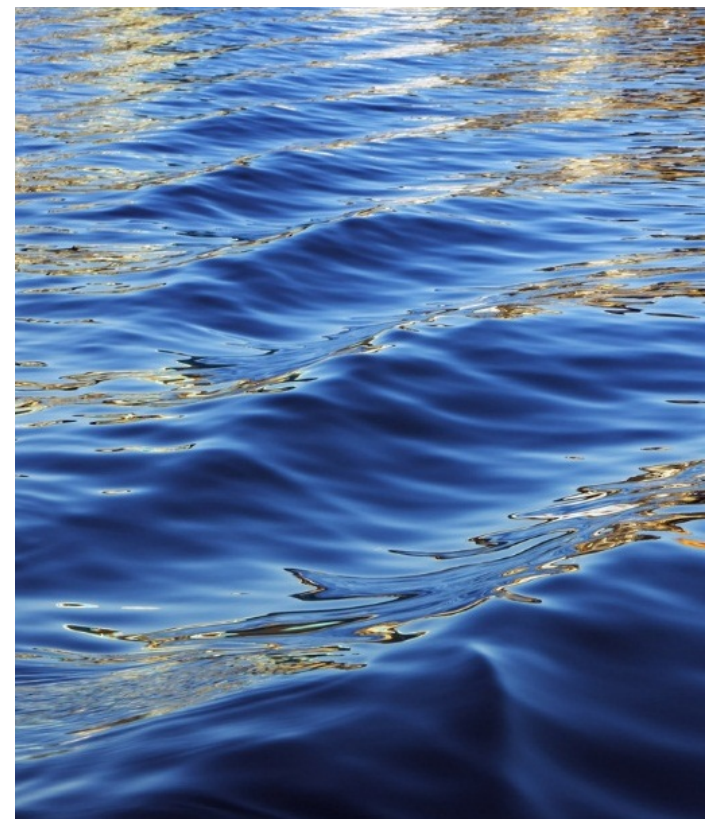


Salinas Valley Basin

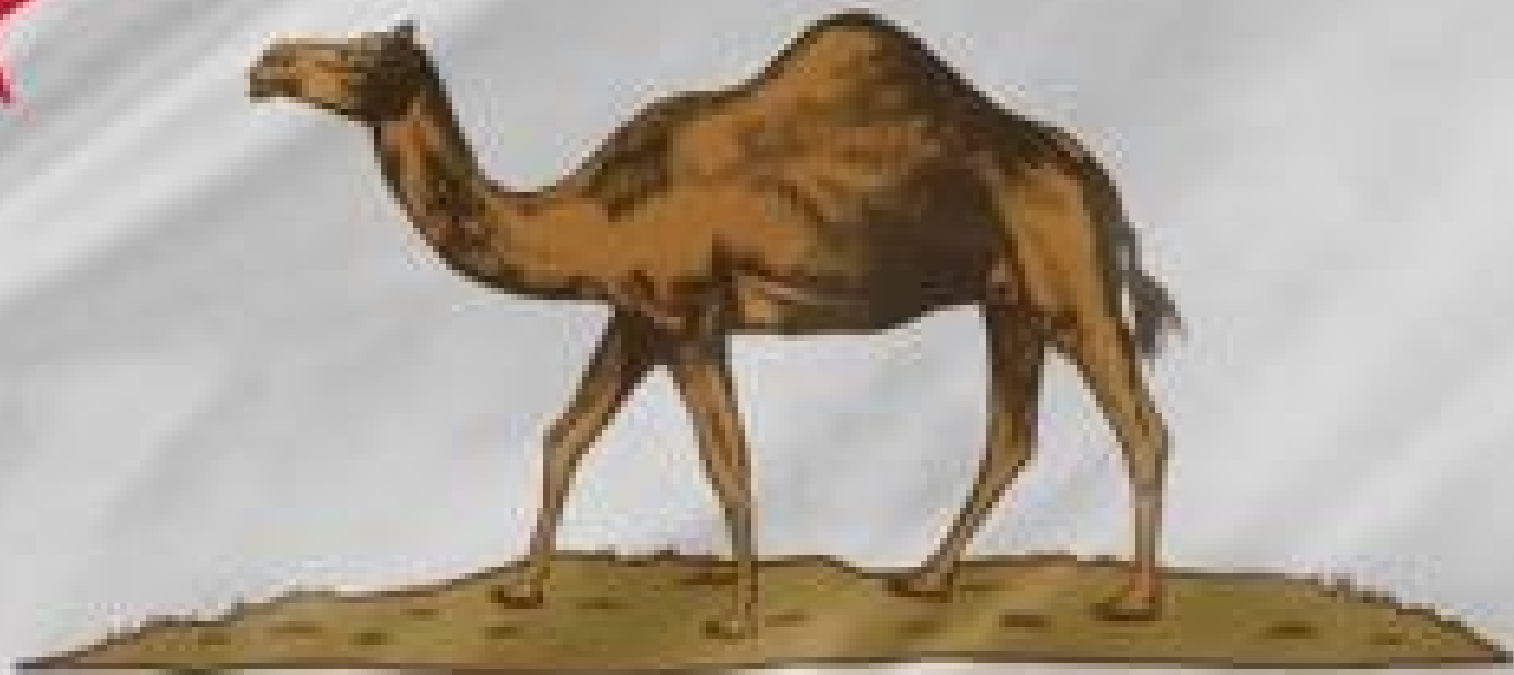
Groundwater Sustainability Agency

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Implementing the
Sustainable Groundwater
Management Act
In the Salinas Valley



2011-2017



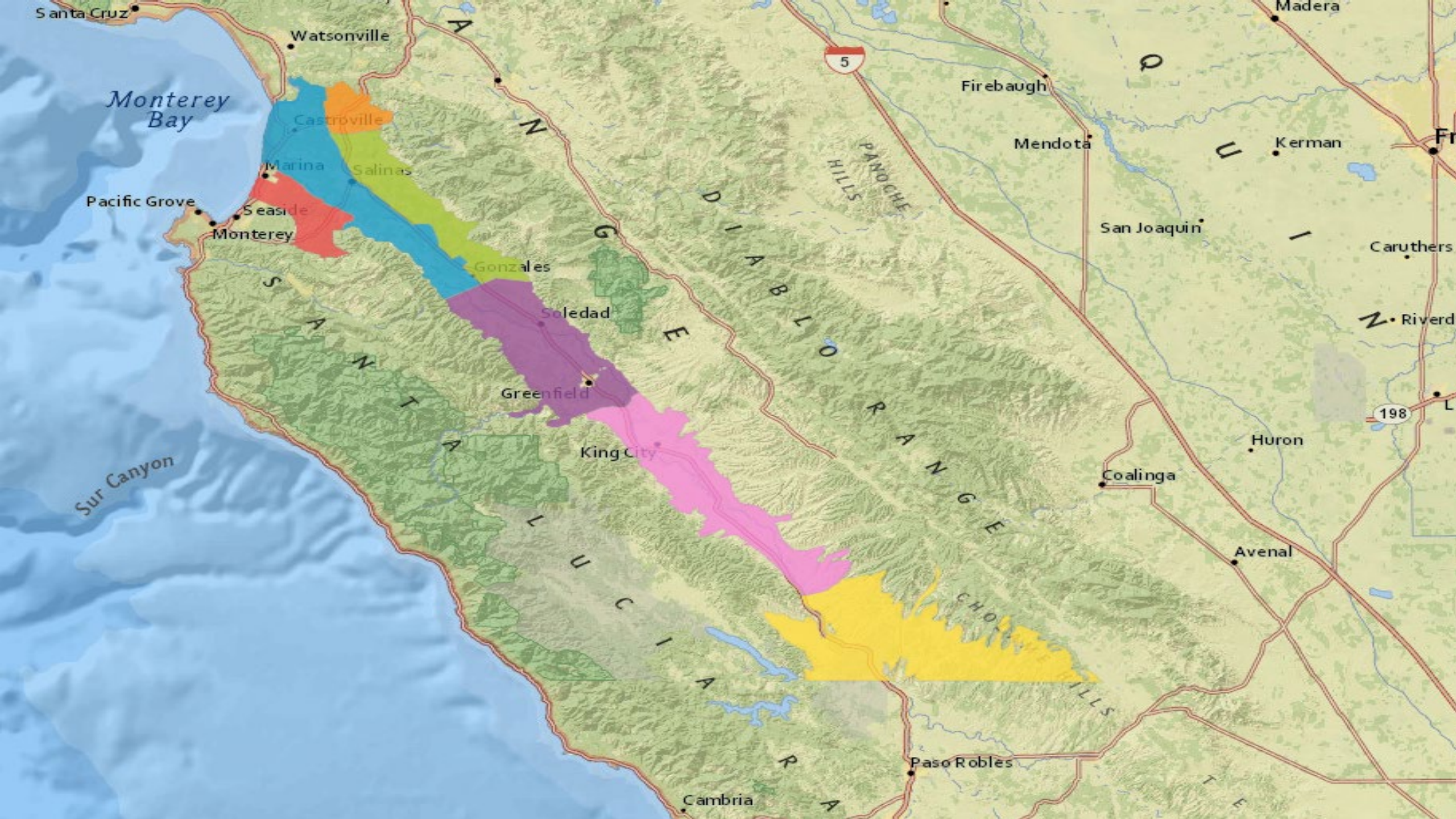
CALIFORNIA REPUBLIC

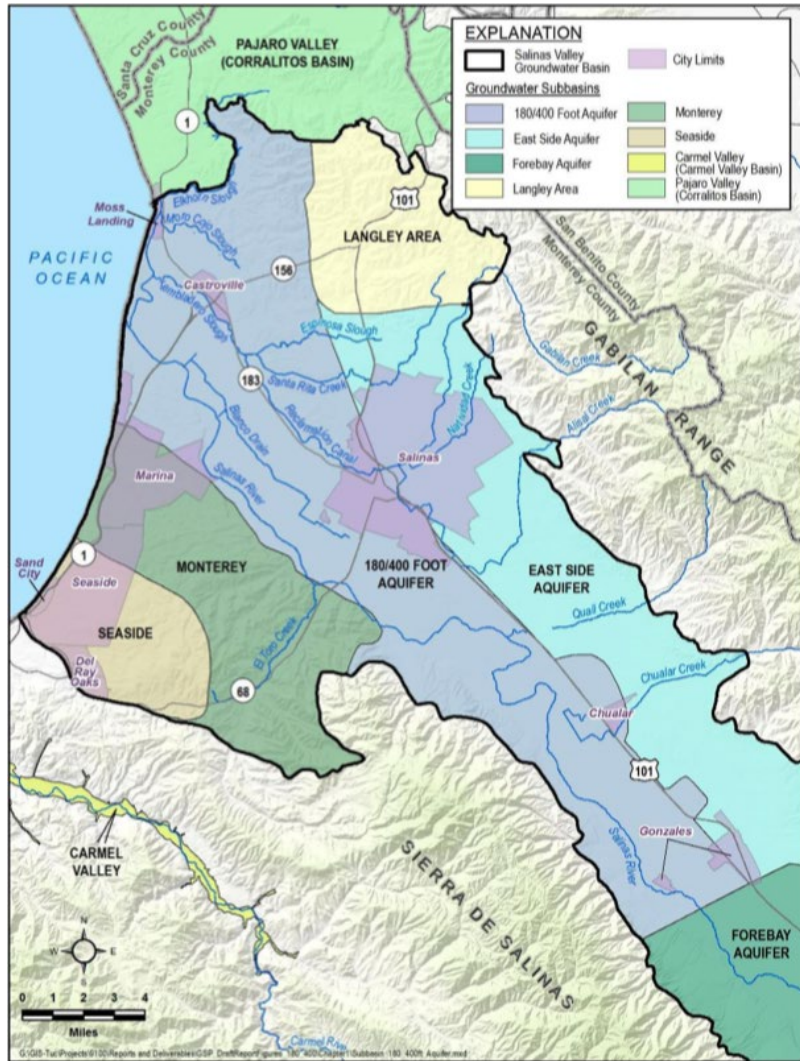


Who Does SGMA Apply To?

- There are 515 groundwater basins in the State
- SGMA applies to the 127 “high and medium priority” basins
- 21 basins are critically-over drafted
 - Parts of Salinas Valley
 - Santa Cruz Mid-County
 - Pajaro Valley







180/400 Pressure Area

Layered Aquifers

Multiple Jurisdictions

Critically Over Drafted Sub basin

Planning Deadline January 31, 2020

(86 days)

Salinas Valley Basin Groundwater Sustainability Agency

Joint Powers Authority

- Monterey County
- Monterey One-Water
- Monterey County Water Resources Agency
- Castroville Community Service District
- Cities
 - King City
 - Soledad
 - Gonzales
 - Salinas
- Contract Agency
 - No full time employees
 - No legacy costs
 - Regional Government Services

Board Representation

- Agriculture
 - Forebay
 - Eastside/Langley
 - Pressure 180-400
 - Upper Valley
- CPUC Regulated Water Company
- Environmental
- Disadvantaged Community/ Small Water Systems
- Other Eligible GSA Entity
- City of Salinas
- South County Cities
- Public Member

Sustainability -50 year process



20 Years to get there – (5-year plan updates)
30 Years of Sustainability

Public Meetings 2018-19

Total Governance Meetings 85

Total Public Info Meetings 43



Number of Meetings 128

Fee Approved March 14, 2019

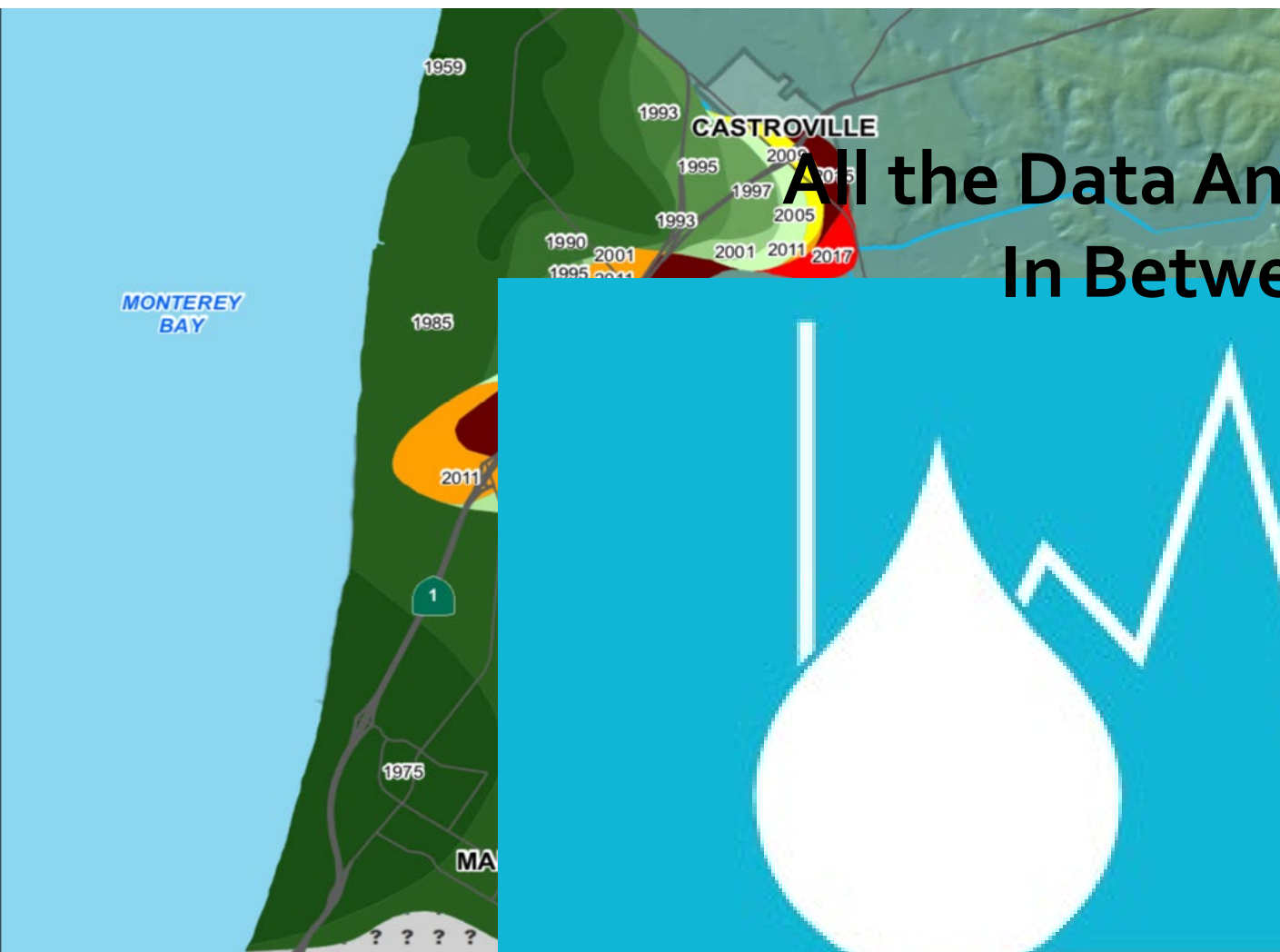
Calculated Fee Schedule for Fiscal Year 2019/20

Proposition 26 Regulatory fee

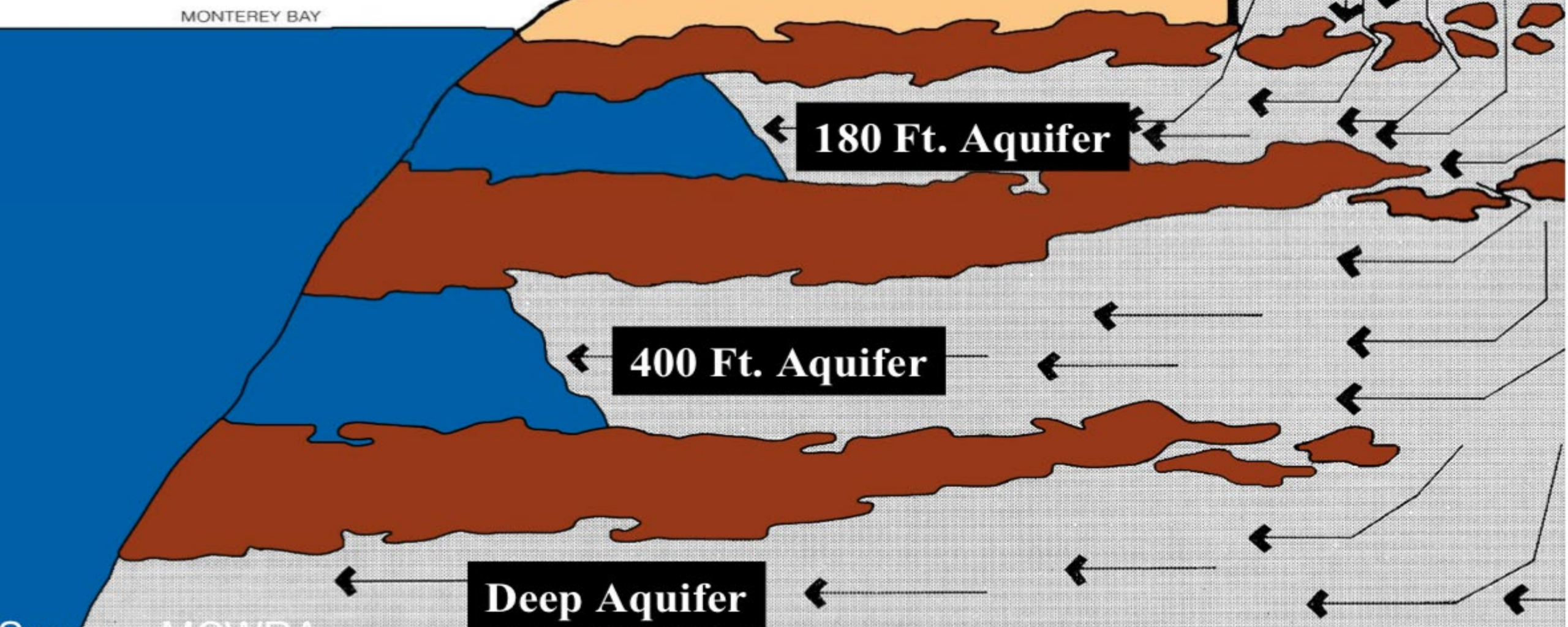
| Sustainable Groundwater Beneficiary | Annual Fee FY 2019/20 | | Water Usage |
|-------------------------------------|-----------------------------------|--|-------------|
| Agricultural | \$4.79 | Per Irrigated Acre | 90% |
| All Other | \$2.26 | Per Service Connection | 10% |
| State of California Cost | \$110 Row Crop \$93.50 Berries | Per Irrigated Acre Per Irrigated Acre | |

Estimated Domestic Water Usage Per Connection .36 acre foot
(approximately 117K) gals)

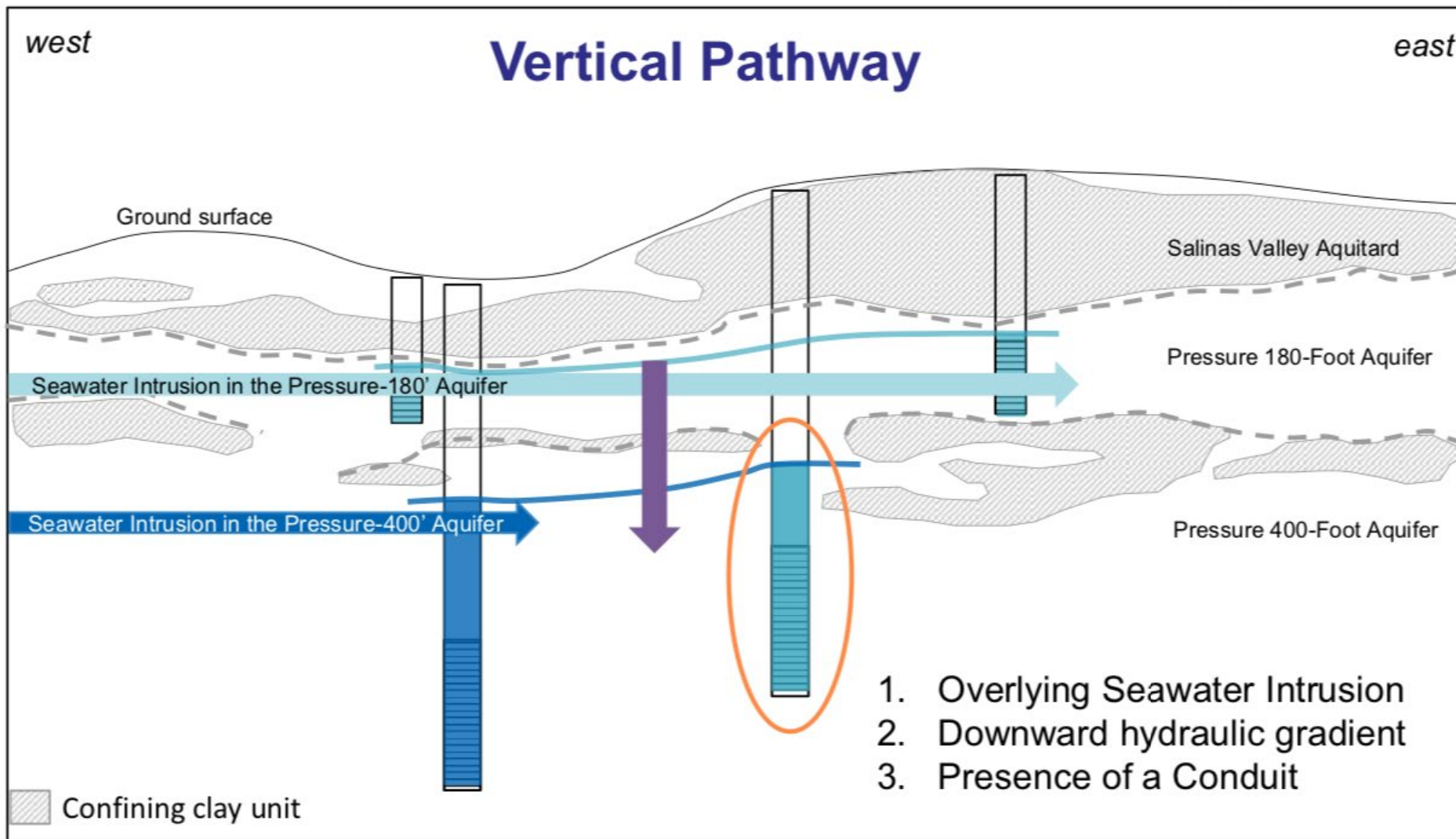
All the Data And Science In Between



- ← Fresh Water Movement
- Clay
- Water Bearing Gravels
- Seawater
- Seawater Intrusion



Seawater Intrusion – Pathways



— Water Level in Pressure 180-Foot Aquifer

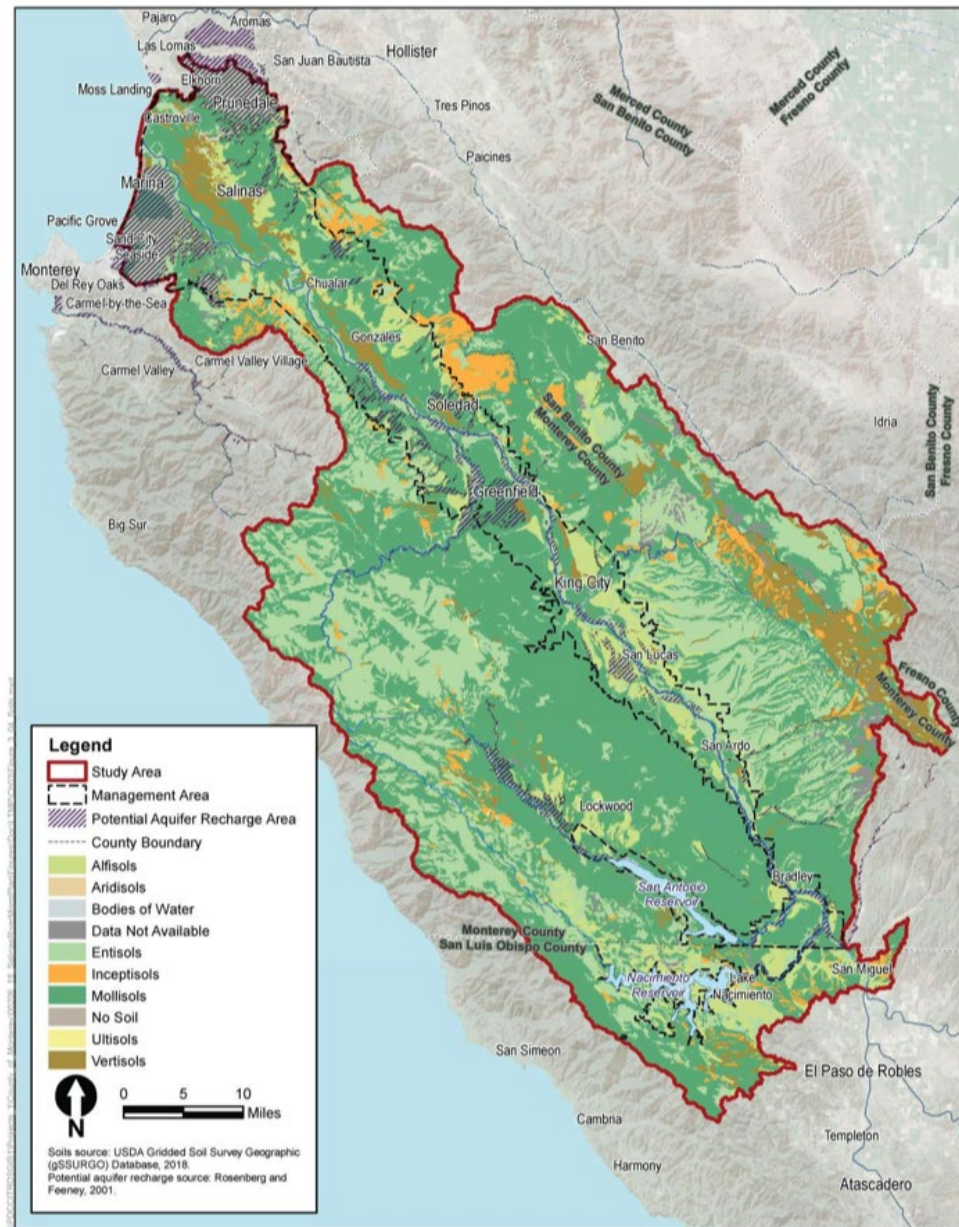
— Water Level in Pressure 400-Foot Aquifer



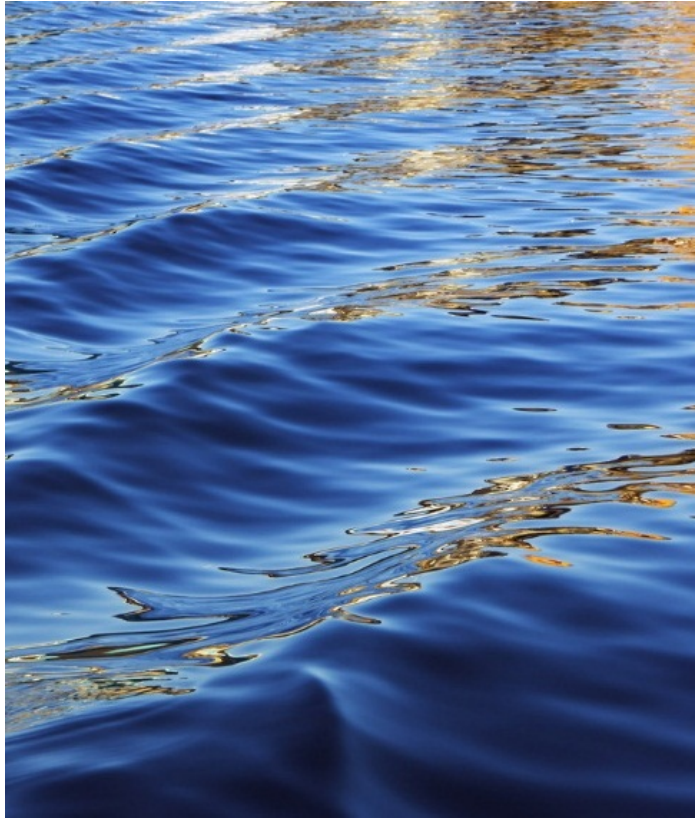

Upstream Portion Spillway Chute



Example Concrete Condition



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Chapter 9
Projects and Actions
Addressing the Issues

Important Points

- This chapter is our proposal on how to reach sustainability. Modifications will be made over the next three to five years
- Not all projects and actions will need to be implemented
- Many details need to be developed
 - Developed over first two to three years of implementation
 - Informed by other GSPs as they are written
 - Opportunity for more input
- Demonstrate to DWR that we have the tools to reach sustainability



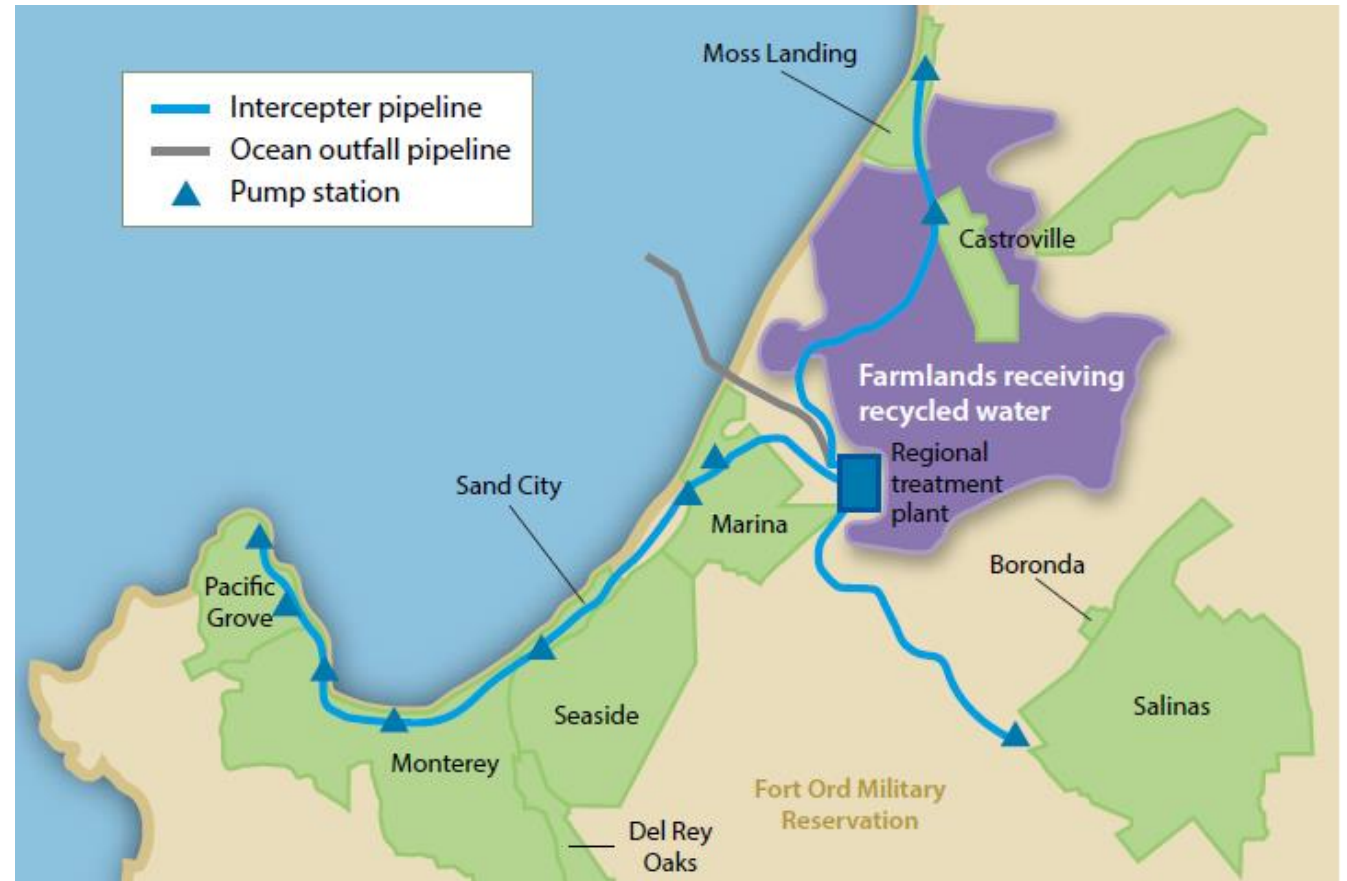
Invasive Species Eradication

- Work with existing programs
- Multiple benefits
- Direct groundwater benefit to 180/400-Foot Aquifer Subbasin is limited
- Indirect benefit through better river management, potential direct benefit in Southern Subbasin



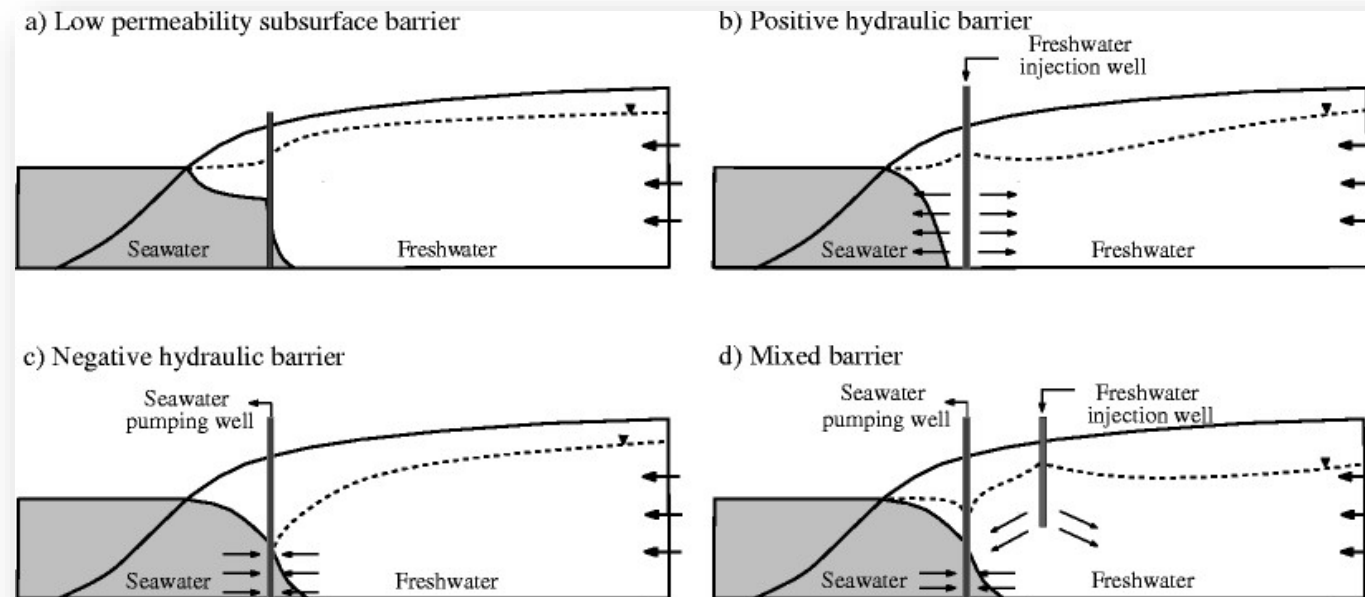
Castroville Seawater Intrusion Project

- Four individual projects identified
 - Optimize CSIP
 - Upgrade M1W plant for winter flows
 - Maximize CSIP use of existing SRDF diversion
 - Expand CSIP area
- All projects work together – no one project is sufficient



Seawater Extraction Barrier

- Designed to halt and reverse seawater intrusion
- Relatively high cost, but a definitive fix
- State of extracted water TBD
- Optional injection barrier addressed

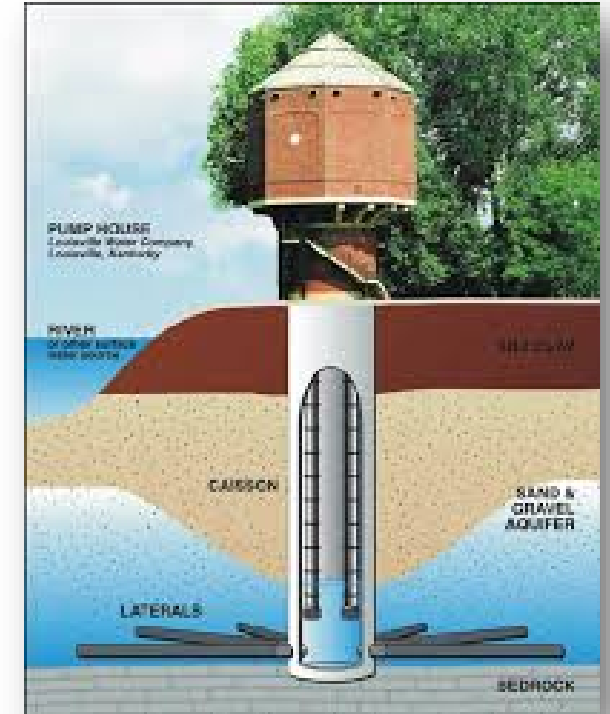


11043 Water Right

- Project 1: radial collector at Chualar provides water to eastern Salinas area
- Project 2: radial collector at Soledad provides water to southern Eastside Sub basin

Inject Winter Flows from SRDF

- Extract at SRDF
- Injection wells add water to 180-Foot and 400-Foot-Aquifers
- Likely require a change in time of diversion on an existing water right
- May reduce size, or need for, seawater intrusion barrier



Management Actions

- Outreach and Education
 - Best practices
- Reservoir reoperation
 - Reliant on Habitat Conservation Plan
- Agricultural retirement
 - Only applicable to willing sellers
 - Potential to subsidize rotational fallowing or partial fallowing
- Restrict pumping in CSIP area
 - Implemented after the CSIP projects are developed
- Support extension of emergency ordinance in Deep Aquifer
 - Temporary until the Deep Aquifer is understood
- Develop Seawater Intrusion Working Group
 - Consolidate all science create comprehensive understanding



Water Charges Framework



- System to fund projects and actions
- Provide a financial incentive to control pumping
- Allow individual well owners, including municipalities, to make financial decisions on water use.
- Identical framework in each Subbasin, but different details in each Subbasin
- Tiered system based on extraction
- **Other options will be reviewed, including regulatory fees, per acre charges**



This will be a negotiated framework. Desired outcome is an equitable and agreed to system.





More

- This plan is the beginning of a very long conversation on changes in the management of groundwater
- We do not know if all actions and programs will be implemented
- We don't yet know how we will pay for it – but expect everyone will pay more
- Many many conversations and much planning ahead
- We must figure out how to work together to get there

Challenge



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