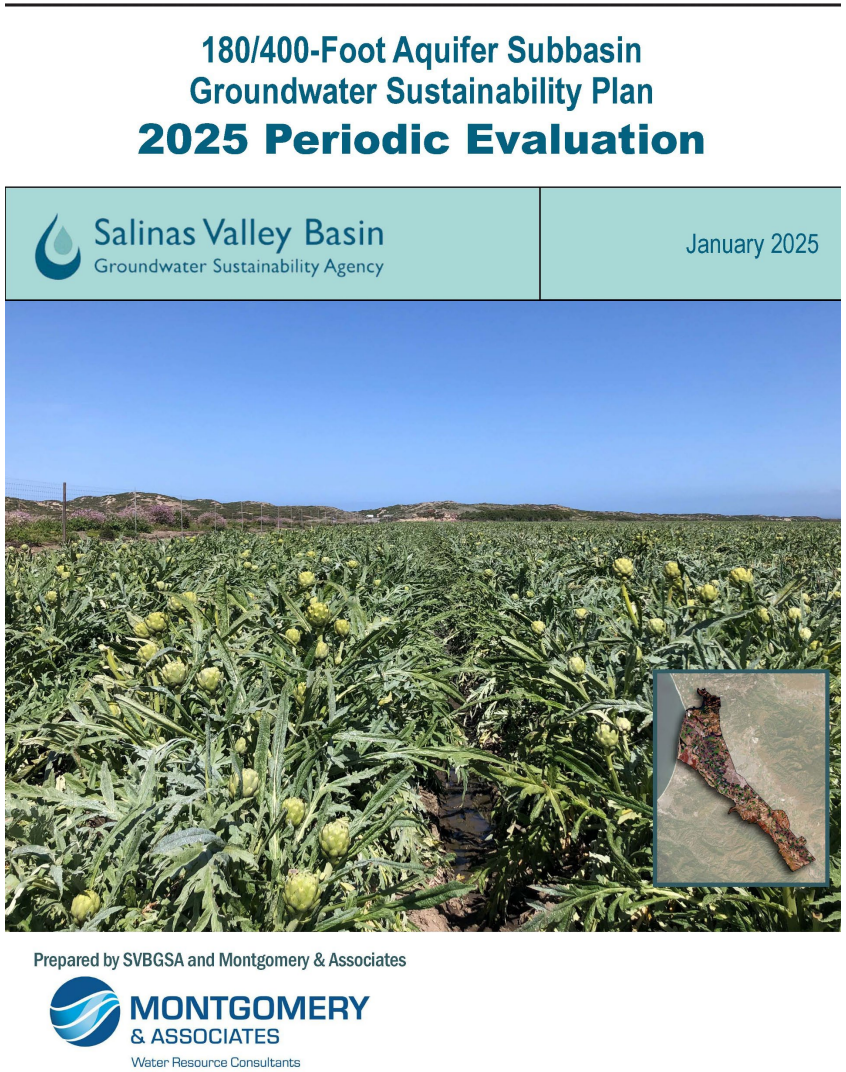
Salinas Valley Basin
Groundwater Sustainability Agency

180/400-Foot Aquifer Subbasin GSP 2025 Evaluation

MCWRA Board of Directors Meeting
June 16, 2025

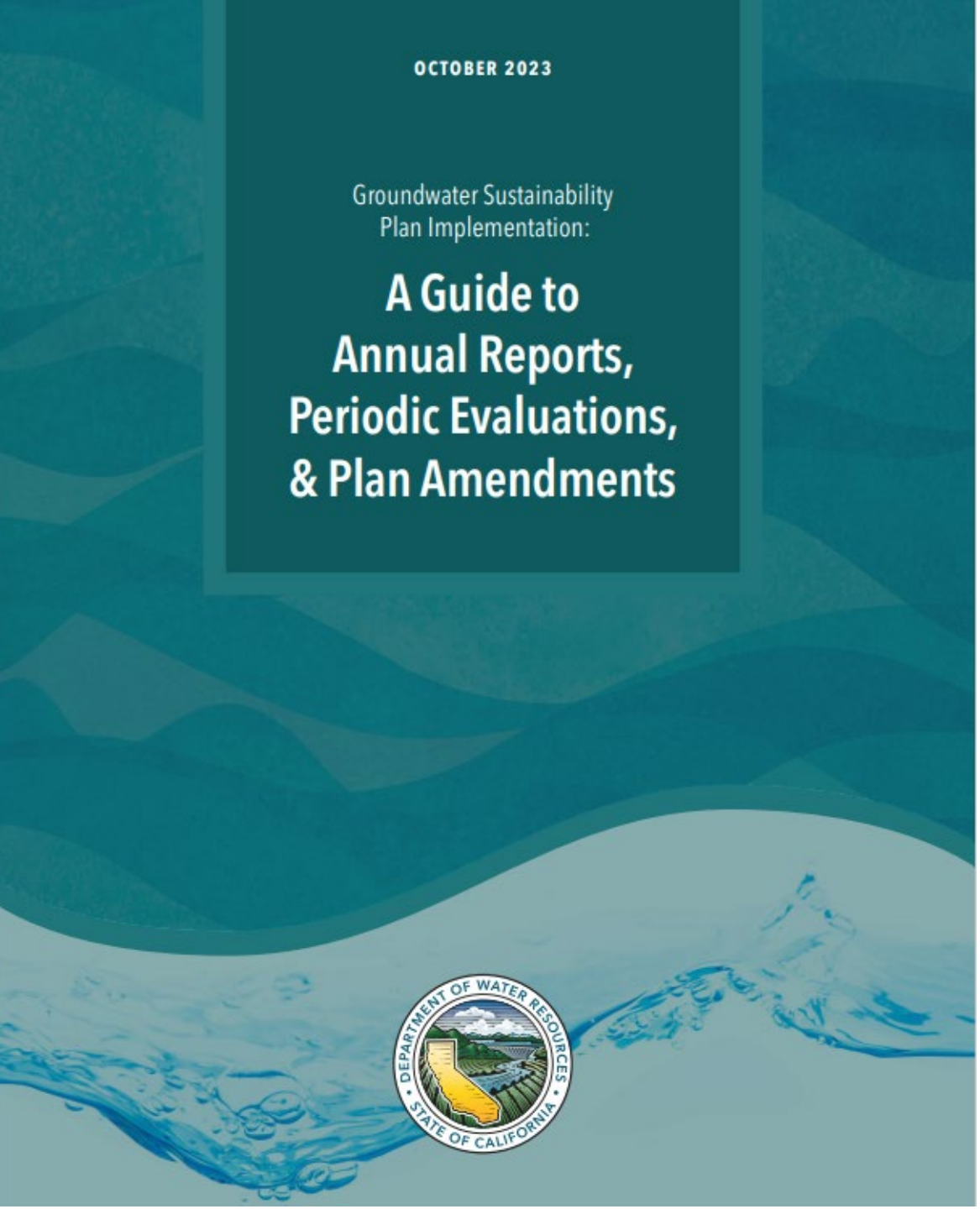
180/400 Subbasin GSP 5-Year Evaluation

- DWR required evaluation of Critically Overdrafted Basins by January 2025
- Covers Water Year (WY) 2019 to WY 2023
- Developed and discussed throughout 2024 with 180/400 Subbasin Committee
- DWR 75-day public comment period ended April 12, 2025
- DWR to review no later than January 2027



Evaluation Accompanied by GSP Amendment 1

- DWR approved the 2020 180/400 Subbasin GSP in June 2021
  - Included Recommended Corrective Actions (RCA).
- Prepared 180/400 Subbasin GSP Amendment 1 in 2022
  - GSP consistency with 5 other Subbasin GSPs
- SVBGSA Board adopted Amendment 1 on September 8, 2022
- DWR required 5-Year Evaluation by January 2025 and resubmittal of Amendment 1
- Evaluation provides comprehensive overview of changes from 2020 GSP to 2022 Amendment 1

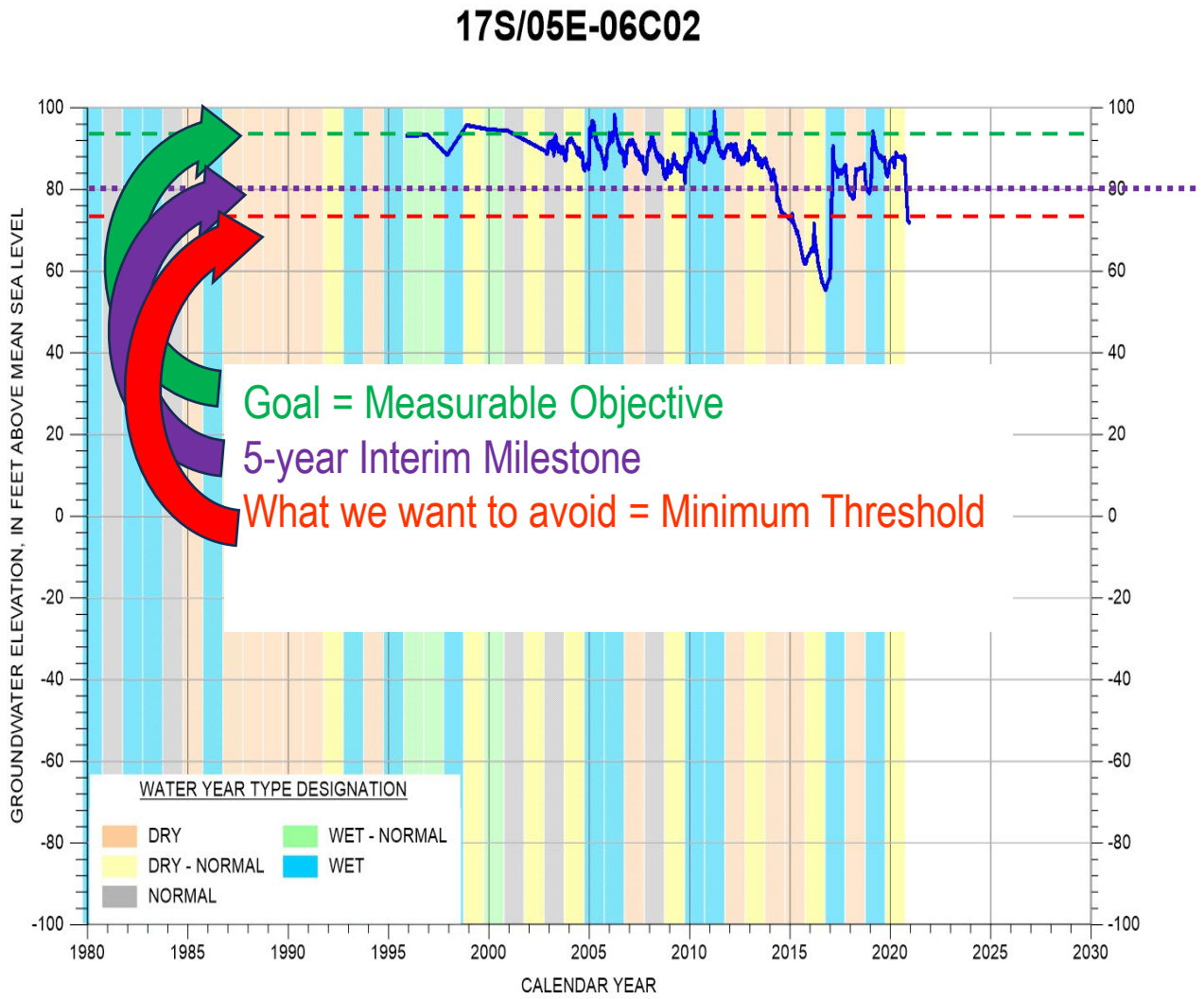


Follows DWR Guidance for Periodic Evaluation

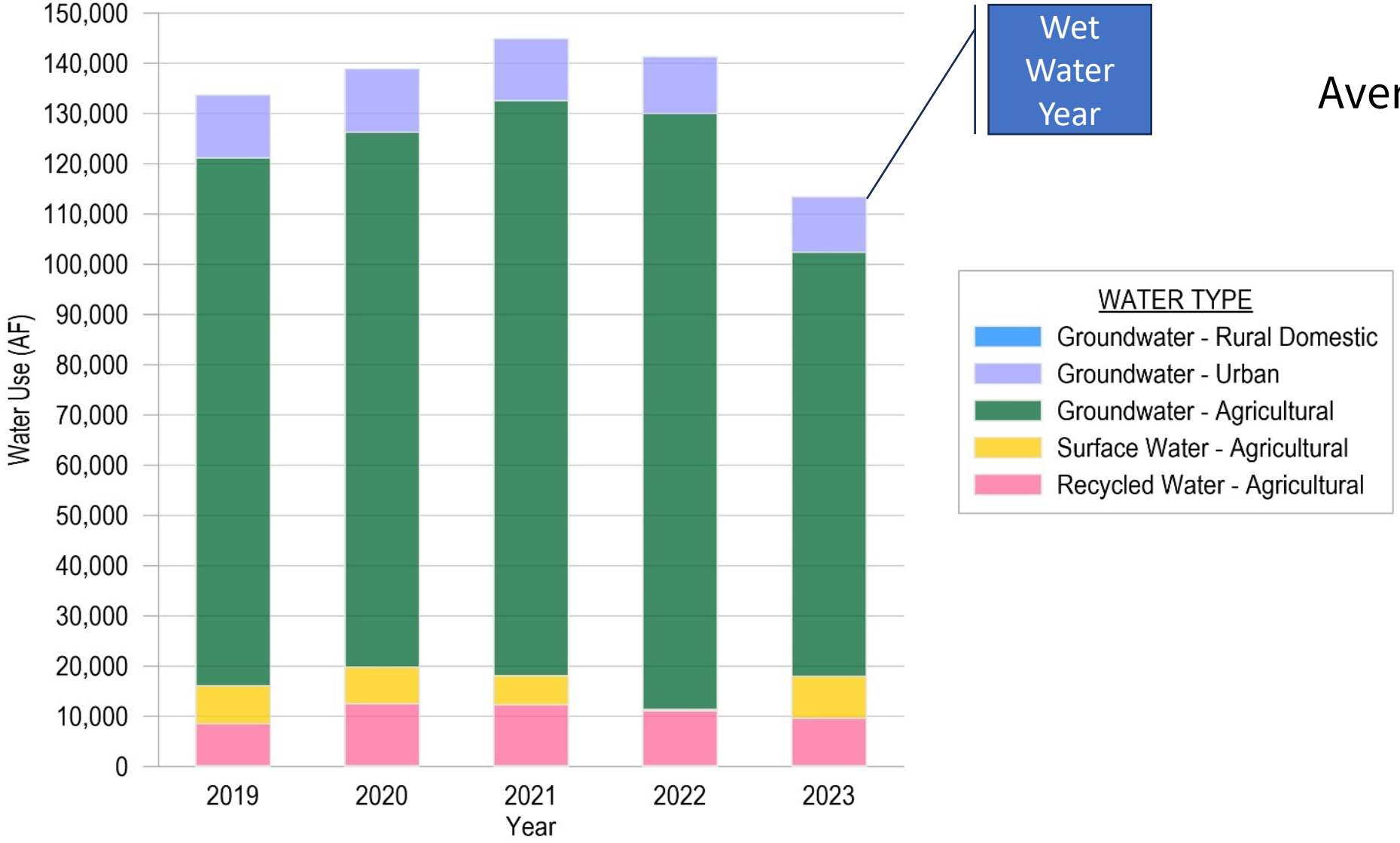
Executive Summary
1 – Status of Data Gaps and New Information Collected
2 – Water Use and Groundwater Conditions Relative to SMC
3 – Status of Projects and Management Actions
4 – Basin Setting Based on New Information
5 – Monitoring Networks
6 – GSA Administration, Funding, and Authorities
7 – Outreach, Engagement, and Coordination with Other Agencies

Evaluates Groundwater Conditions Relative to Sustainable Management Criteria (SMC)

- 5 years of data (WY2019-2023)
- Compare conditions to SMC
- Review impact on beneficial users
- Evaluate Sustainable Management Criteria (SMC)



Water Use Higher in Dry Years



Average water use = 134,640 AF/yr

Average groundwater extraction = 117,960 AF/yr

Sustainable Management Criteria Summary

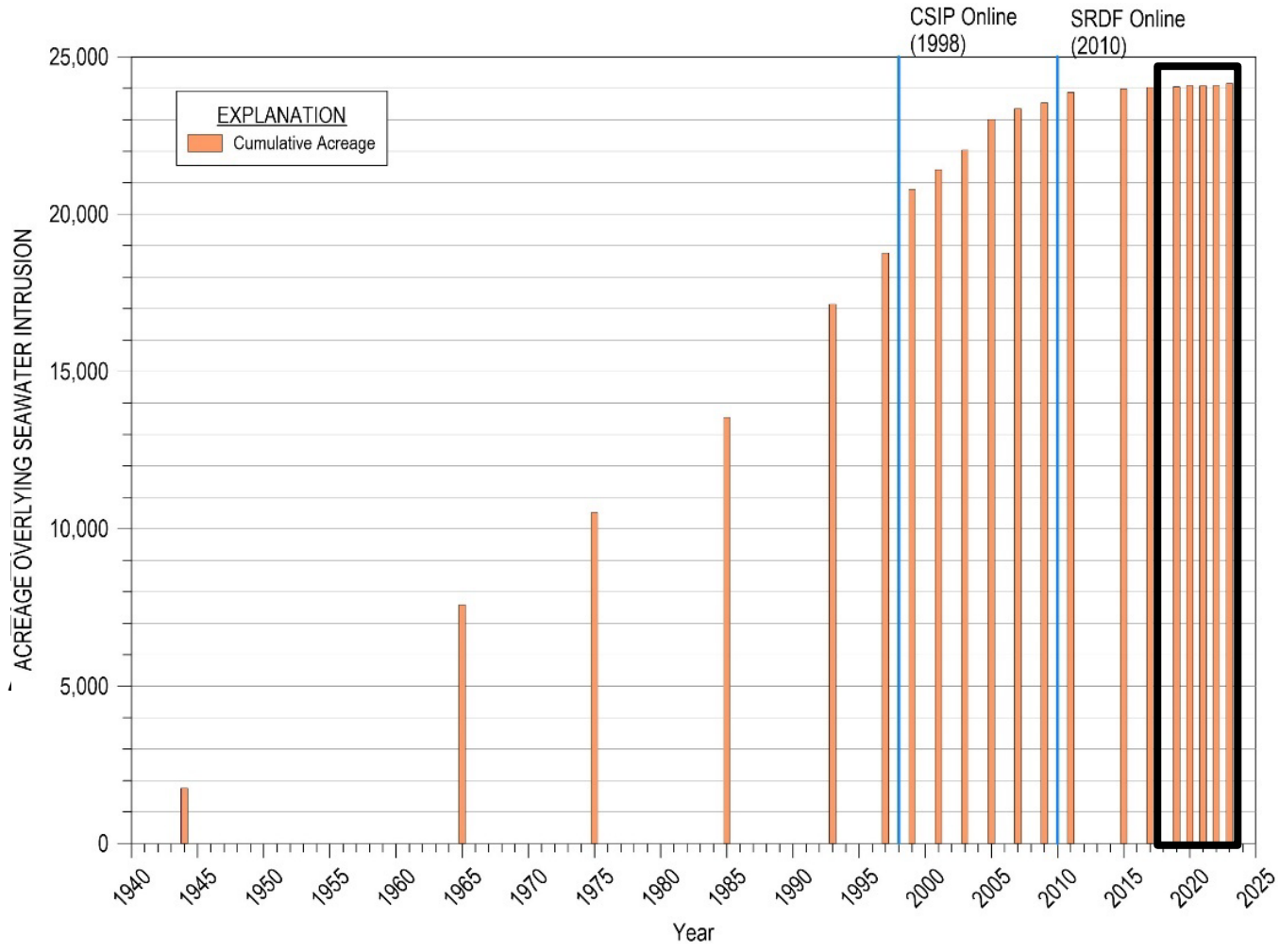
	Groundwater Levels	Seawater Intrusion	Groundwater Storage	Groundwater Quality	Land Subsidence	Depletion of ISW
WY 2019	X	X	√	√	√	√
WY 2020	X	X	√	√	√	√
WY 2021	X	X	X	√	√	√
WY 2022	X	X	X	√	√	X
WY 2023	X	X	√	√	√	√

X = Undesirable Result
√ = No Undesirable Result

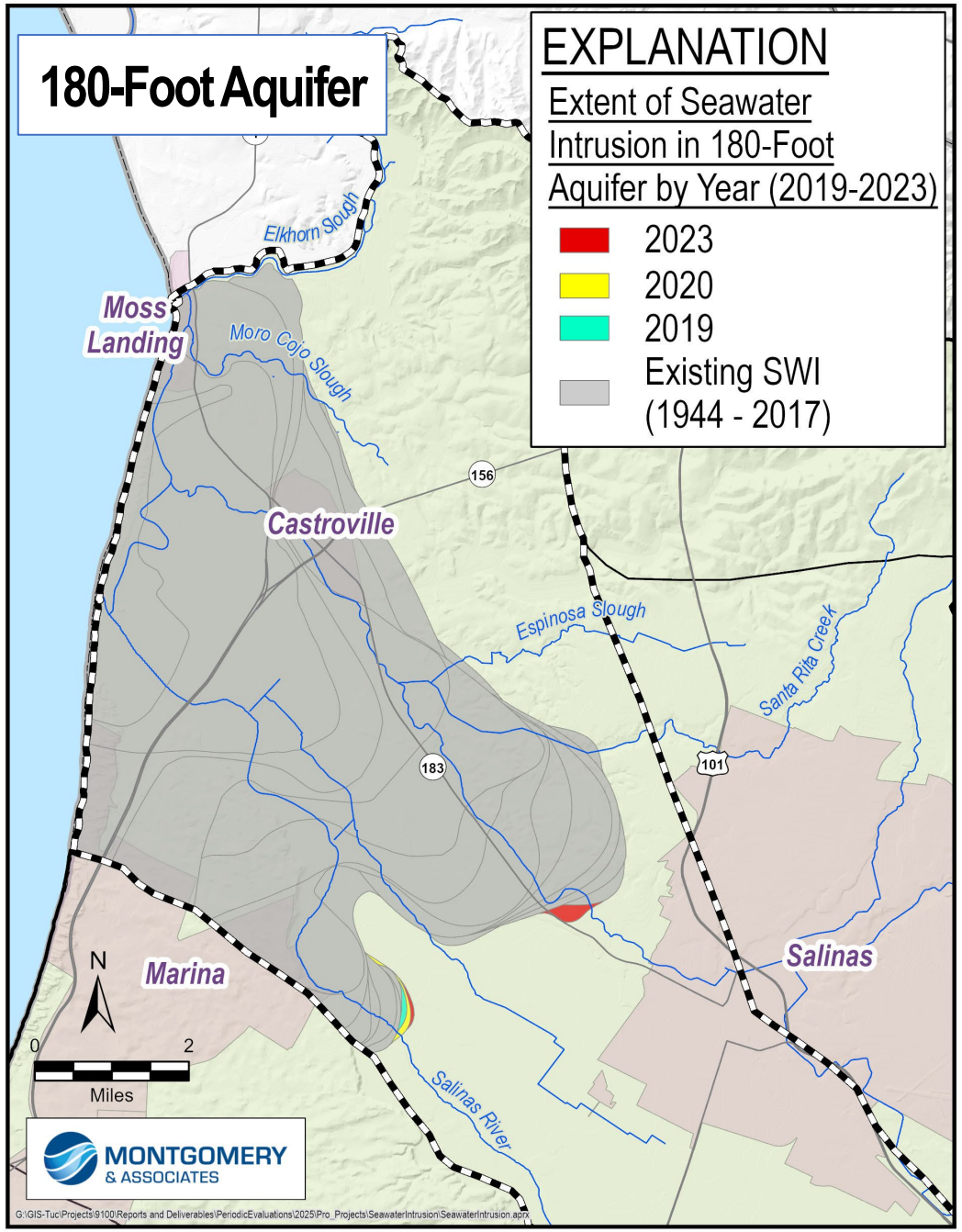
Groundwater Level Undesirable Results

Aquifer	Less Than 15% of RMS Wells are Exceeding their Minimum Threshold		More Than 15% of RMS Wells are Exceeding their Minimum Threshold		
	Percent of RMS Wells Below Minimum Thresholds				
	2019	2020	2021	2022	2023
180-Foot Aquifer	0	9%	9%	37%	6%
400-Foot Aquifer	11%	0	13%	34%	7%
Deep Aquifers	45%	100%	82%	78%	55%
Subbasin Groundwater Level Undesirable Result	2019 Undesirable Result	2020 Undesirable Result	2021 Undesirable Result	2022 Undesirable Result	2023 Undesirable Result

Seawater Intrusion
180-Foot Aquifer

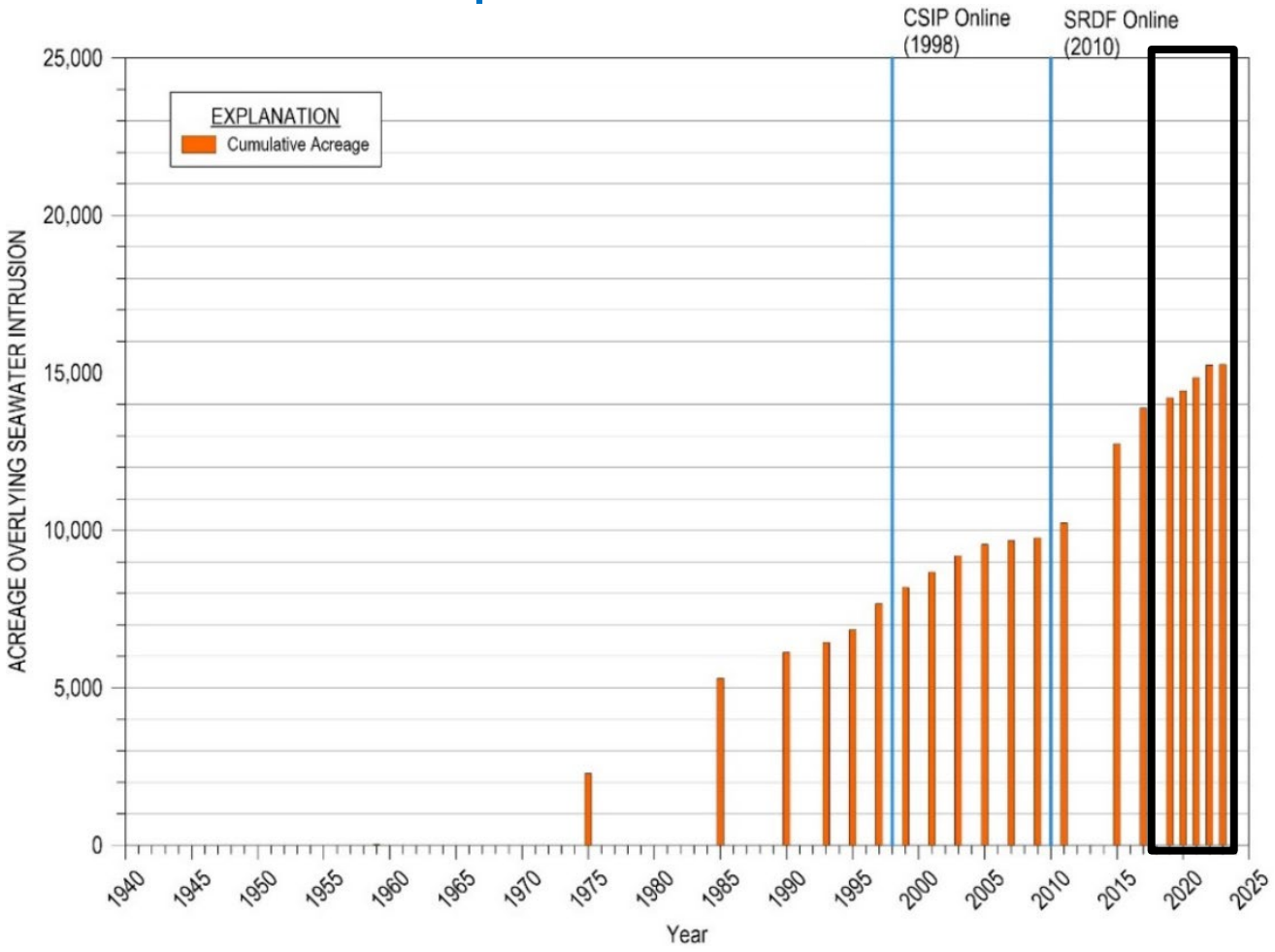


Cumulative Acreage from 1940 to 2025



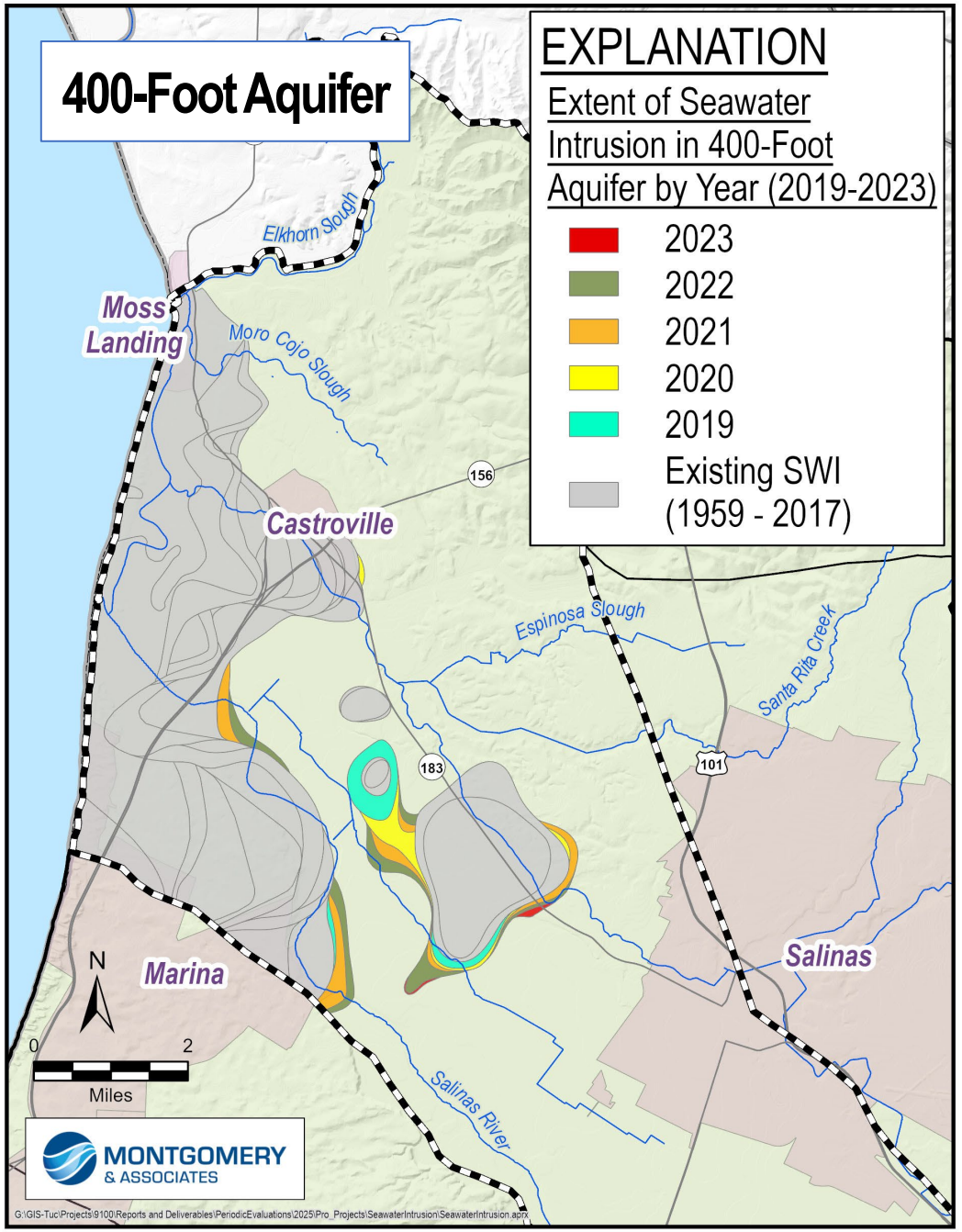
Seawater Intrusion

400-Foot Aquifer

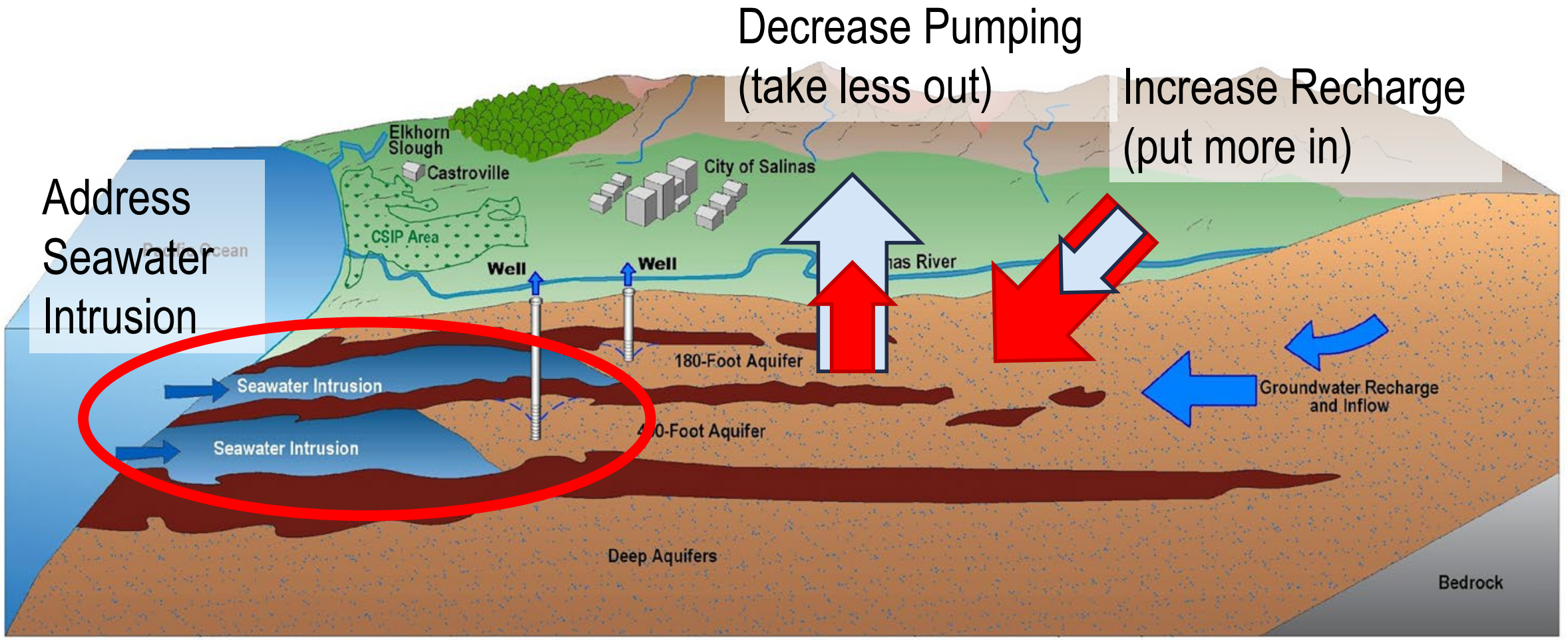


Cumulative Acreage from 1940 to 2025

***No seawater intrusion found in the Deep Aquifers*

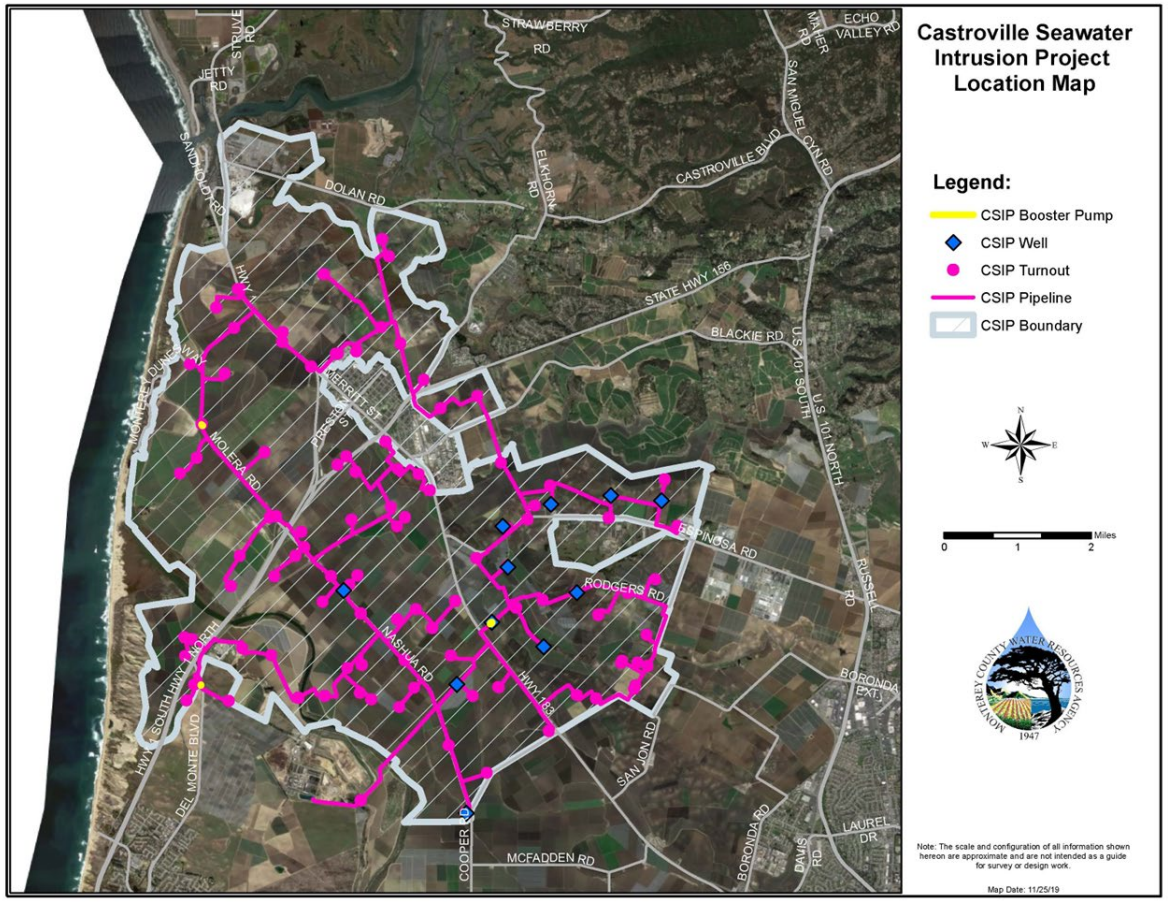


Achieving Groundwater Sustainability



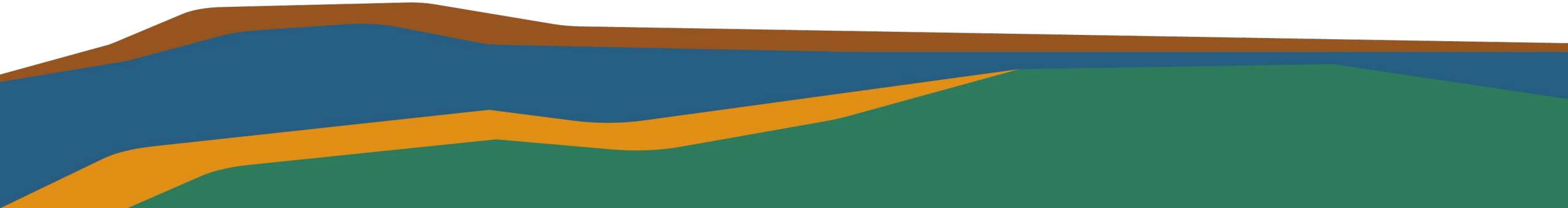
Summary of Project and Management Action Activities

- Feasibility studies underway
  - CSIP Optimization (MCWRA)
  - Brackish Groundwater Restoration Project (*aka Seawater Intrusion Extraction Barrier*)
  - Aquifer Storage and Recovery
  - Demand Management
- Feasibility studies getting started
  - Castroville and Eastside Canals and Alternatives (Permit 11043)
  - New Seawater Intrusion Project (NSIP)
- Other PMA activities
  - M1W Chlorine Scrubber Upgrade
  - Multi-benefit Stream Channel Maintenance
  - Somavia Road Irrigation Supply
  - Multi-benefit Land Repurposing Program



Summary of Progress Towards Meeting Sustainable Management Criteria

- ✓ Need to address seawater intrusion
- ✓ Seawater intrusion measurable objective may be too ambitious
- ✓ Need to address groundwater levels, particularly in the Deep Aquifers
- ✓ Need to address overdraft and pumping to Sustainable Yield



Plan to Align Next Evaluation with other 5 Subbasins

- 5-Year Evaluations for other GSPs due January 2027
- Plan for 180/400 GSP 2-Year Evaluation concurrently
- Iterative Process
- Project selection process to determine PMA to continue to move forward
- Integrated Implementation approach recommended

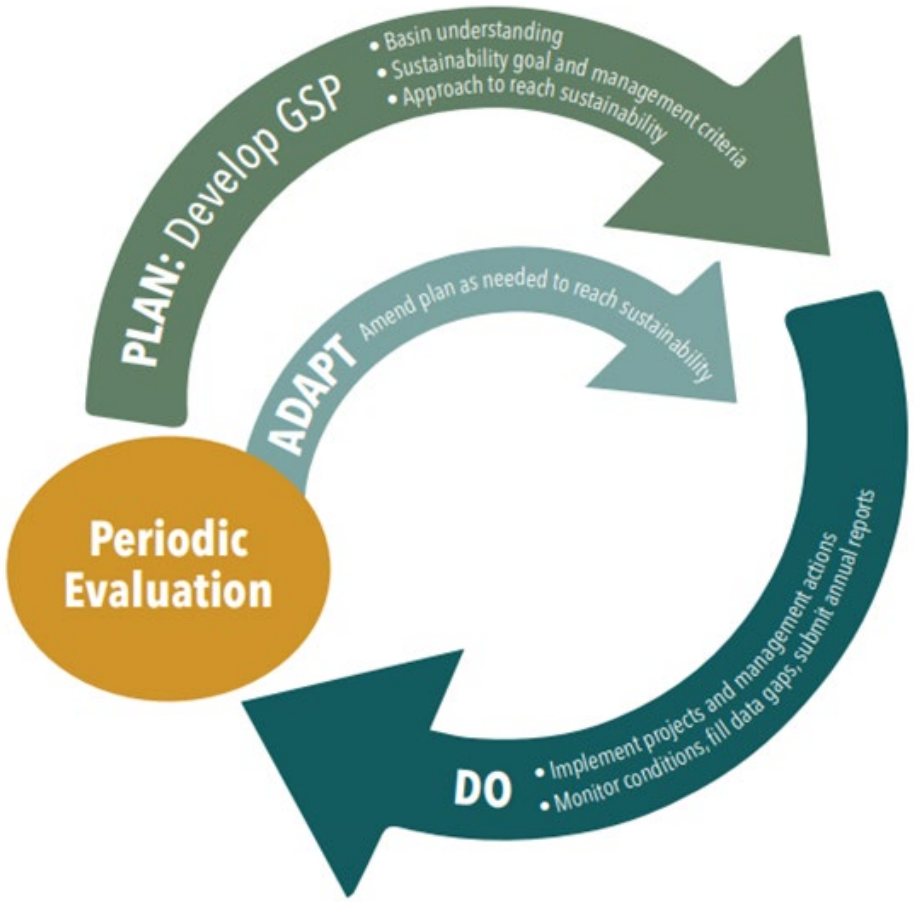


Figure 2: GSP Implementation Adaptive Management Approach

How to review the 180/400-Ft. Aquifer Subbasin GSP 5-Year Evaluation

Documents posted on SVBGSA website:

https://svbgsa.org/180-400-ft-aquifer/

Documents posted on DWR website:

https://sgma.water.ca.gov/portal/gsp/periodiceval/preview/24

Comments submitted to DWR:

- California Department of Fish and Wildlife
- City of Marina
- Community Water Center
- Community Alliance with Family Farmers
- Salinas Basin Water Alliance
- Salinas Valley Water Coalition
- California Water Service (Cal Water)
- California American Water (Cal Am)
- Landwatch

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Questions?

For more information
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