

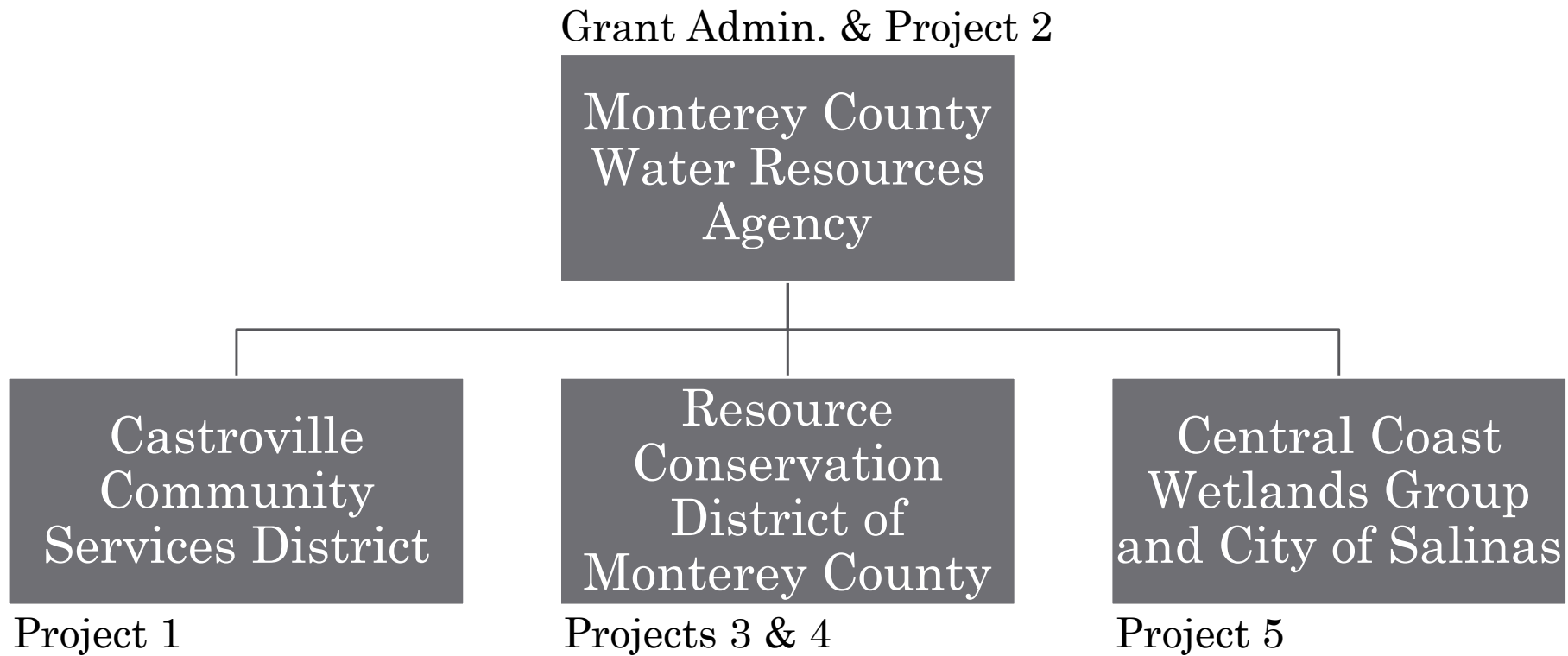
IRWM Implementation Grant Project Update

Amy Woodrow

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Grant Structure and Partners



Project 1

Emergency Deep Aquifer Supply and Storage Tank Project

- **Implementing Agency:** Castroville Community Services District
- **Grant Amount:** \$395,000
- **Total Project Cost:** \$8,132,000
- **Schedule:** June 2019 – June 2027
- **Project Description**
 - Provide a safe and reliable drinking water supply for Castroville, approximately 300 acre-feet per year.
 - Planning, design, and construction of a Deep Aquifer well, Arsenic Treatment System, and a Storage Tank (640,000 gallons).
- **Status Update**
 - Construction completed in the fourth quarter of 2025.
 - Notice of Completion filed in January 2026.



**CASTROVILLE COMMUNITY
SERVICES DISTRICT**

Project 2

Re-operation of Reservoirs: Decision Support Tool to Increase Water Supply Reliability in Salinas Valley

- **Implementing Agency:** Monterey County Water Resources Agency
- **Grant Amount:** \$750,000
- **Total Project Cost:** \$1,820,000
- **Schedule:** July 2021 – Sept. 2025
- **Project Description**
 - Identify how operation of Nacimiento and San Antonio Reservoirs, diversions from the Salinas River, and groundwater extractions impact in-stream flows in the Salinas River.
 - Develop re-operation protocols that consider all necessary uses of the water.
 - Stakeholder engagement

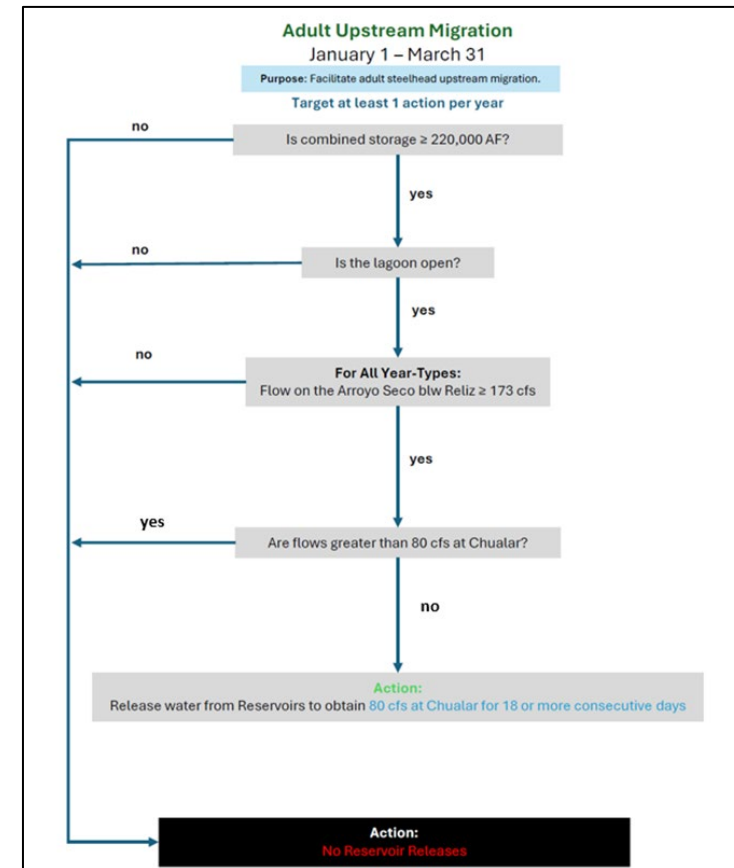


Project 2

Re-operation of Reservoirs: Decision Support Tool to Increase Water Supply Reliability in Salinas Valley

Status Update

- Modeled three reoperation scenarios to quantify resulting changes in surface water and groundwater conditions.
- Formed and convened a Technical Advisory Committee to make recommendations during development of water management scenarios.
 - Five meetings from December 2023 to April 2025.
 - Consensus around the three reoperation scenarios that were modeled and will inform a conservation strategy for the Salinas River Operations Habitat Conservation Plan.
- Held three stakeholder working group meetings from June 2023 to September 2025.



Project 3

Salinas River Flood and Habitat Improvement Program

- **Implementing Agency:** Resource Conservation District of Monterey County
- **Grant Amount:** \$526,525
- **Total Project Cost:** \$1,206,381
- **Schedule:** July 2021 – April 2025
- **Project Description**
 - Vegetation and sediment management for flood risk improvement
 - Invasive species eradication for habitat improvement
 - Benefits include flood protection at the 5- to 7-year recurrence level for approximately 1,000 acres of farmland and improvement of approximately 12,000 acres of riparian habitat.



Project 3

Salinas River Flood and Habitat Improvement Program

Status Update

- Arundo Re-treatment for Habitat Enhancement – Completed:
 - Re-treatment of invasive *Arundo donax* on 1,461 acres of the Salinas River riparian zone
 - Annual work plans and reports for permitting agencies
 - Re-activity biological surveys, on-site biological monitoring, and work area mapping
 - Expected water savings of over 450 acre-feet per year
- Stream Maintenance Channel Creation – Completed:
 - Construction of six new secondary channels for flood risk reduction under the Salinas River Stream Maintenance Program.



1.11b secondary channel (San Lucas) pre-grading



1.11b secondary channel (San Lucas) post-grading

Project 4

Monterey County Farm Nutrient Management and Water Quality Assistance Program

- **Implementing Agency:** Resource Conservation District of Monterey County
- **Grant Amount:** \$315,169
- **Total Project Cost:** \$630,470
- **Schedule:** July 2021 – September 2025
- **Project Description**
 - Provide decision and implementation support to guide farmers' management changes and conservation projects to better manage soil, water, and nutrients.
 - Expand bilingual farm water quality support services.
 - Regional grower education, individual farm consultations, irrigation & nutrient management assessments with recommendations.



Sheet mulching and hedgerow installation at Rancho Cielo demonstration garden



Cover crop



Tensiometers

Project 4

Monterey County Farm Nutrient Management and Water Quality Assistance Program

- **Status Update**

- RCDMC staff completed:

- 110+ site visits
- 40+ follow up assessments for irrigation and nutrient management
- 13 implementation projects

- Connected with dozens of farmers through outreach, including many Spanish-speaking, small scale (<20 acres), diversified crop farmers.

- Responded to requests for assistance
- Visited farms to assess site conditions and constraints
- Scheduled soil and irrigation system assessment follow ups

- Provided site-specific recommendations including applying cover crop, distributing compost, adding flow meters and pressure gauges, updating drip tape or irrigation scheduling, replacing leaking mains and improving sprinklers (among others).

- Exceeded deliverables for on-farm consultations, assessments, and effectiveness tracking.



Sediment basin

Project 5

Salinas Storm Water Management: Increasing Capture, Improving Treatment, Reducing Energy Use

- **Implementing Agency:** Central Coast Wetlands Group and City of Salinas
- **Grant Amount:** \$1,129,883
- **Total Project Cost:** \$2,407,735
- **Schedule:** June 2017 – June 2027
- **Project Description**
 - Series of improvements to the City of Salinas' Industrial Wastewater Treatment Facility
 - Three components to the project

Assess and Rehabilitate a 33-inch pipeline

- Condition assessment and rehabilitation of an abandoned pipeline to reduce energy consumption and capture more stormwater

Treatment Wetland Pilot Study

- Installation of a treatment wetland chamber in series with pilot phosphate removal chambers at the IWTF

Electrical Components Flood Protection

- Improve flood and climate resilience of select IWTF electrical components through installation above the 100-year floodplain

Project 5

Salinas Storm Water Management: Increasing Capture, Improving Treatment, Reducing Energy Use

Status Updates

- Treatment wetland is complete and being monitored every two weeks for nutrients, TSS, and TDS.
- Electrical components flood protection
 - There were some impacts to schedule due to another grant that is being used to fund parts of the design and construction, but design has been completed.
 - Construction delays occurred due to the need for a second round of bidding, but an award was made in May 2025.
- Anticipated schedule
 - 2026 – fabrication and factory testing of electrical and instrumentation equipment
 - 2027 – installation and field testing; completion expected in Spring 2027



Thank you!
Any questions?

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