



Public Workshop

*Protection of Domestic Drinking Water
Supplies for the Lower Salinas Valley*

Proposition 1 Implementation Grant Project

May 26, 2021



Disclosure Statement

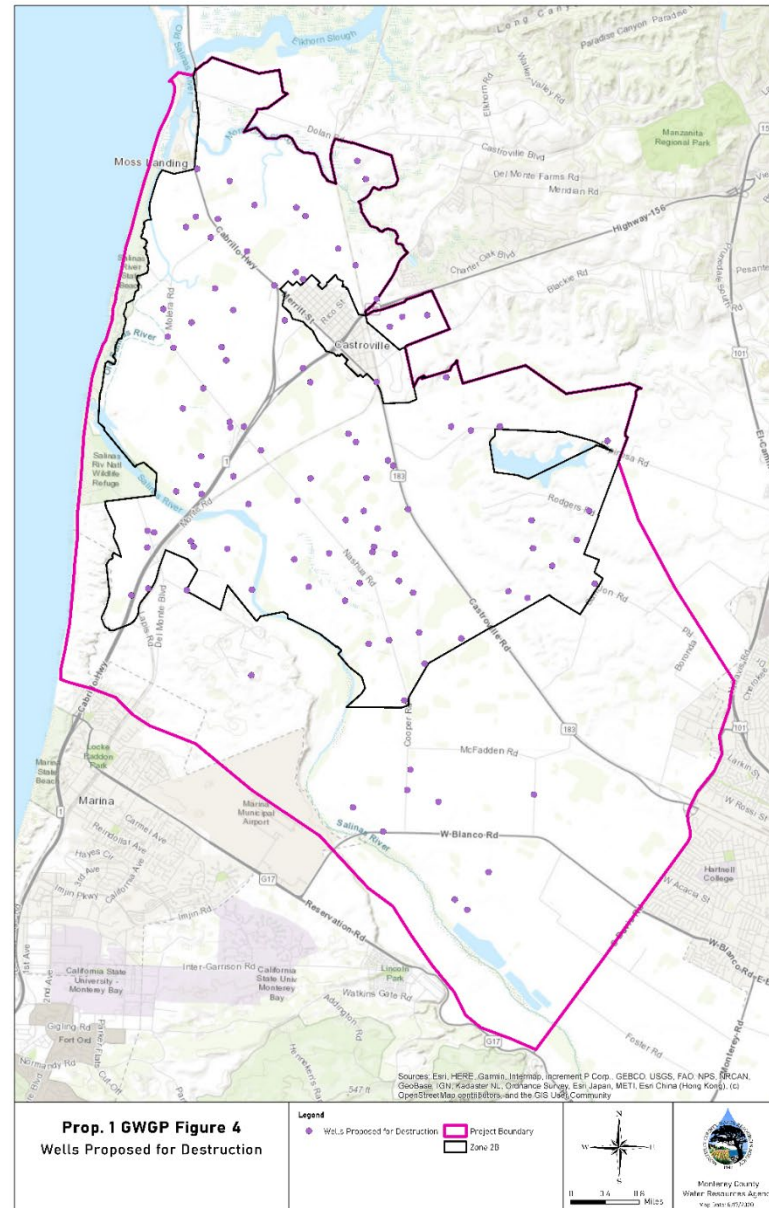
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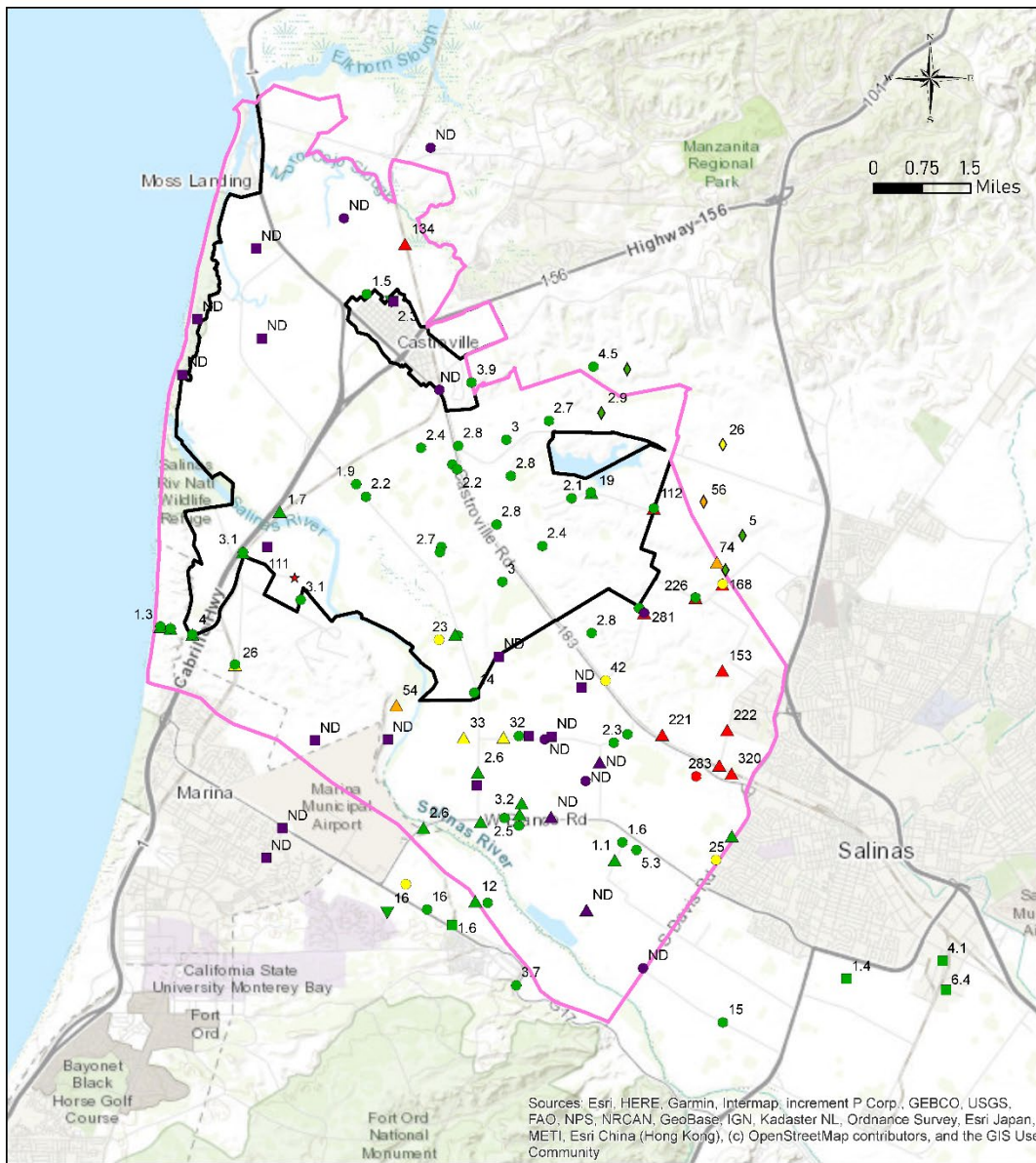


Project Introduction

- Project will destroy a around 105 abandoned and inactive wells in the Project area.
 - Eliminate conduits for migration of impaired groundwater between aquifers.
 - Aquifers serve as a water supply for domestic, municipal, and agricultural uses.
- Seawater intrusion and nitrate contamination have been documented in the Project area in both the 180-Foot and 400-Foot Aquifers.

Project Area





Nitrate as Nitrate (mg/L)
June 2020

Wells labeled by Nitrate concentration

PROVISIONAL

Aquifer Symbology

- ★ Dune Sand Aquifer
- ◆ Eastside Deep
- ▲ 180-Foot Aquifer
- 400-Foot Aquifer
- ▼ 180-Foot and 400-Foot Aquifers
- Deep Aquifers

Nitrate mg/L

- Non-detect (ND)
- 1 - 22.5
- 22.6 - 45
- 46 - 90
- above 90

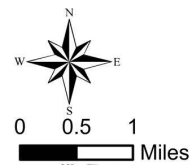
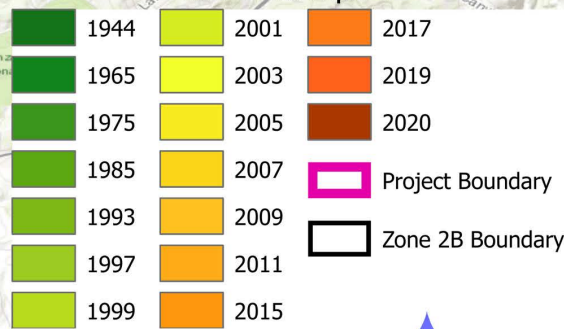
Zone 2B

- ▭ Zone 2B
- ▭ Project Boundary

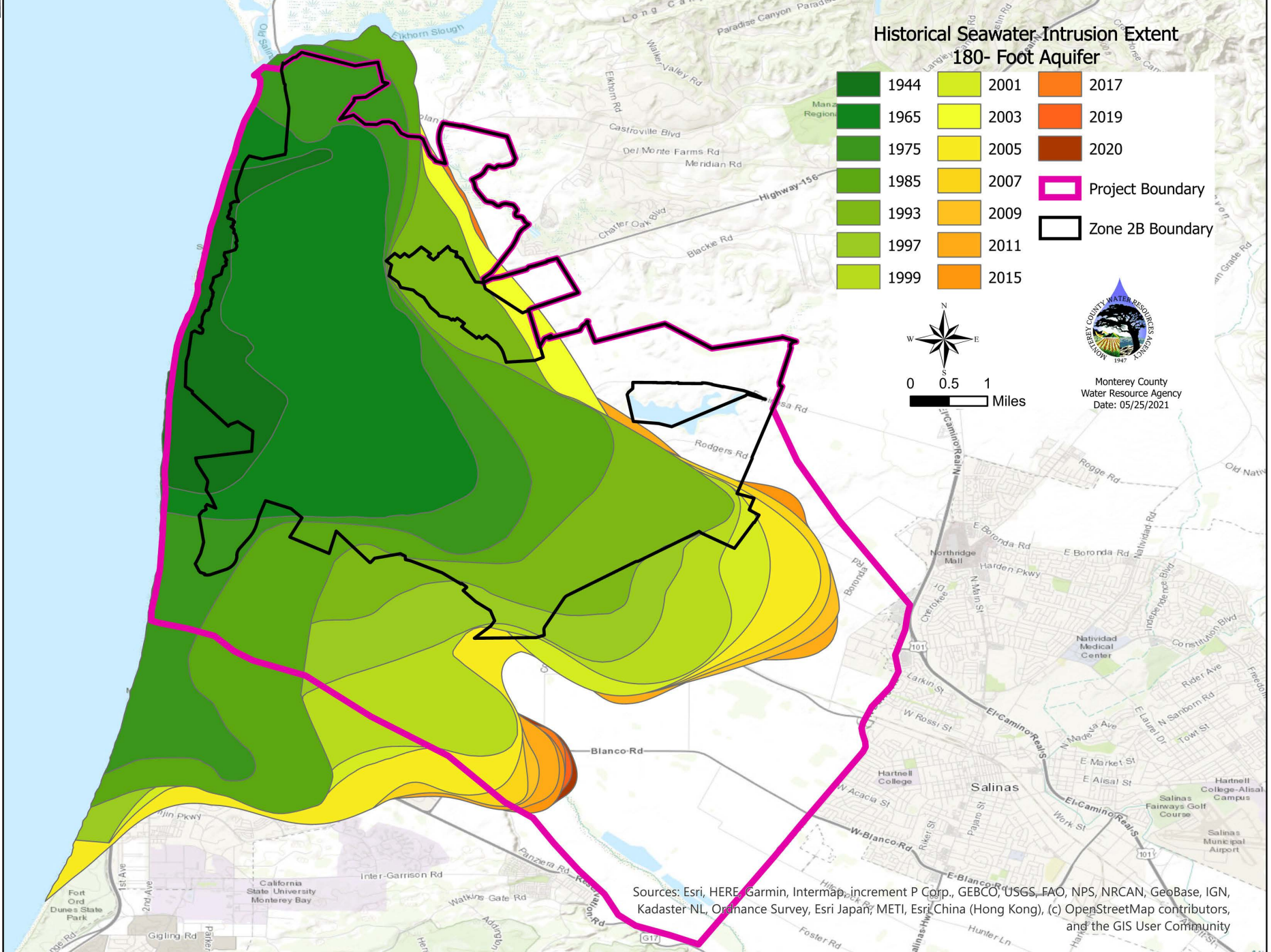


Monterey County
Water Resources Agency
Map Date: 10/8/2020

Historical Seawater-Intrusion Extent 180- Foot Aquifer

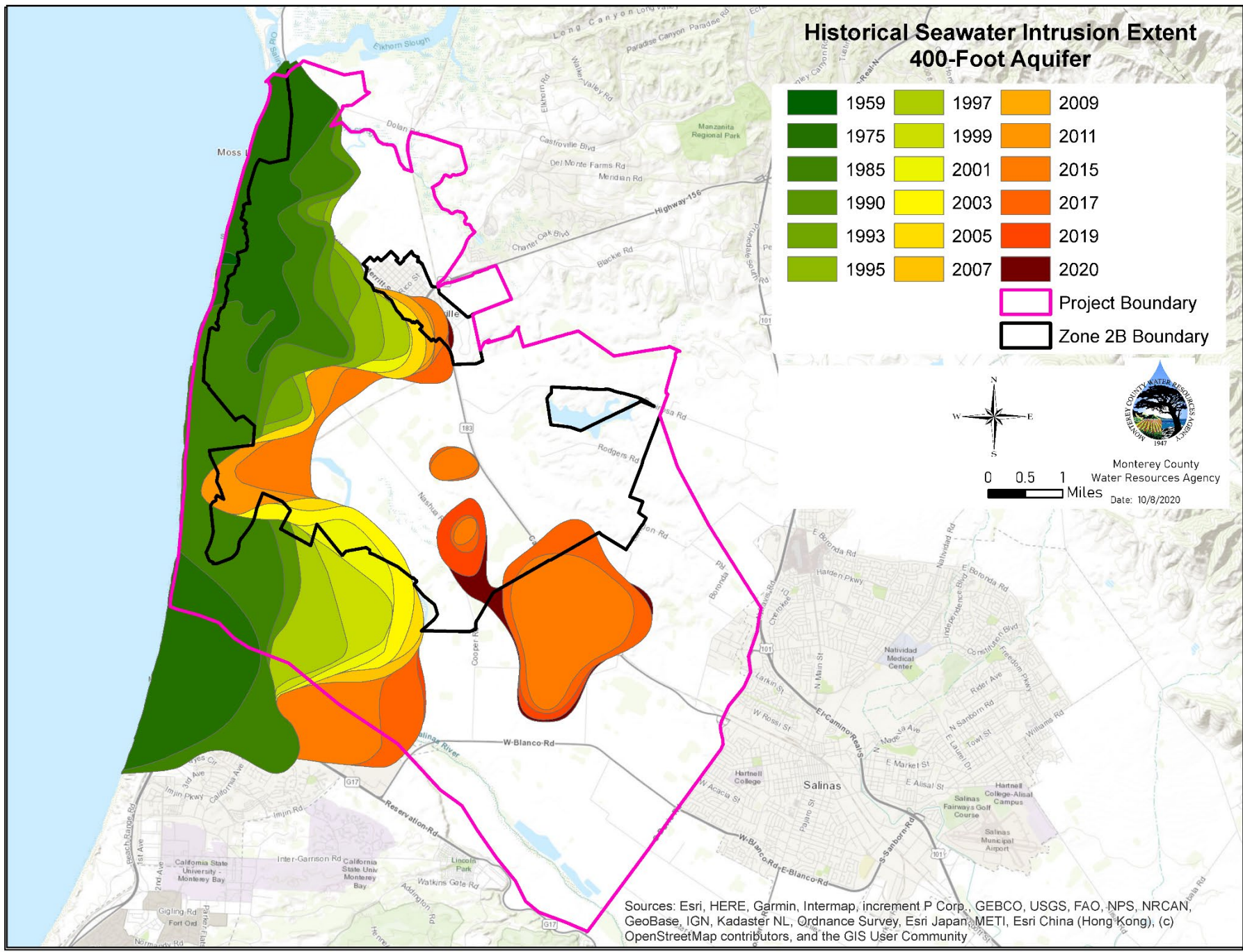
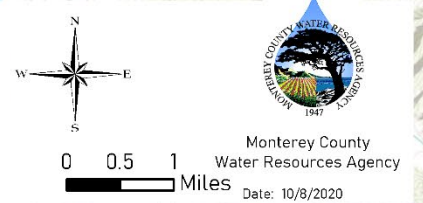
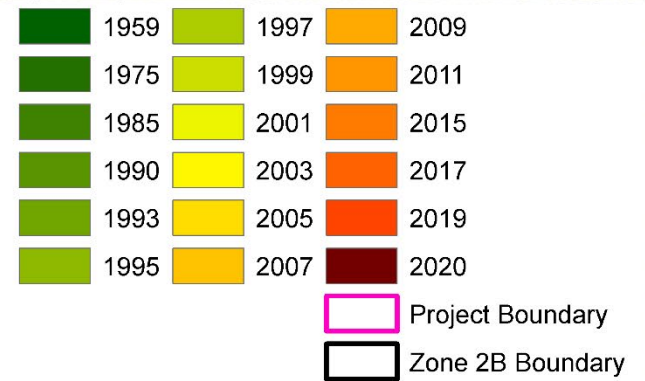


Monterey County
Water Resource Agency
Date: 05/25/2021



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Historical Seawater Intrusion Extent 400-Foot Aquifer



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Implementation to Date

- Field reconnaissance of well sites to confirm well location, identity, and current conditions.
- Convened three meeting of a Technical Advisory Committee to review reports on pre-project conditions, monitoring, reporting, and project evaluation criteria.
- Filed CEQA Notice of Exemption for Project.

Implementation to Date

- Well owner notification and appeal process.
- Established an approach with Monterey County Health Department for obtaining well destruction permits.
- Released RFP for well destruction services.
- Developed informational flyer and website.

Budget Summary

- Project total is \$9,125,524
- Grant Agreement requires a 46% Agency match

Funding Source	Amount
Requested Grant	\$4,927,729
Local (in-kind) Match	\$1,534,495
Other Funding Match	\$2,663,300
Total Project Cost	\$9,125,524

Budget Detail

Task	Requested Grant	Local (in-kind) Match	Other Funding Match	Total Project Costs
Direct Project Administration	\$229,462	\$56,430	\$0	\$285,892
Planning/Design/Engineering/Environmental	\$642,437	\$78,880	\$22,199	\$743,516
Construction/Implementation	\$3,810,960	\$251,712	\$2,641,101	\$6,703,773
Monitoring/Performance	\$125,290	\$1,147,473	\$0	\$1,272,763
Education/Outreach	\$119,580	\$0	\$0	\$119,580
Total	\$4,927,729	\$1,534,495	\$2,663,300	\$9,125,524



Budget Detail

- MCWRA has committed to meet the \$2,663,300 in match from reserve funds but is seeking to offset this from outside contributions, to minimize impacts to existing projects and maintenance.

- To date, MCWRA has received:
 - \$83,000 from the Castroville Community Services District
 - \$399,499 from the Monterey County Cannabis Assignment
 - \$65,000 from Monterey One Water

Upcoming Activities and Timeline

Upcoming Task	Expected Timing
Well location and identification efforts	Ongoing
Well owner notification and appeals	Ongoing
Well owner agreements and permits	Ongoing
RFP for well drilling contractor(s) closes	June 17, 2021
Retain well drilling contractor(s)	August 2021
Begin well destruction work	Summer/Fall 2021
Project completion	February 2023



Project Information

- Project updates are provided monthly at:
 - MCWRA Basin Management Advisory Committee meetings
 - 1st Wednesday of each month
 - MCWRP Water Quality & Operations Committee

Project Information

- <https://www.co.monterey.ca.us/government/government-links/water-resources-agency/programs/protection-of-domestic-drinking-water-supplies-in-the-lower-salinas-valley>

Project Information

Proposition 1 Groundwater Grant Program

Protection of Domestic Drinking Water Supplies for the Lower Salinas Valley



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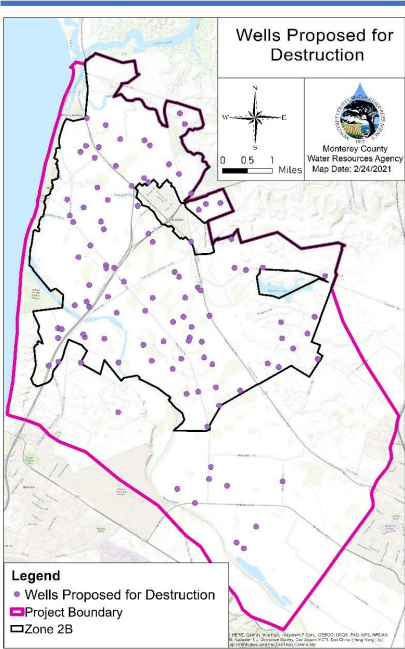
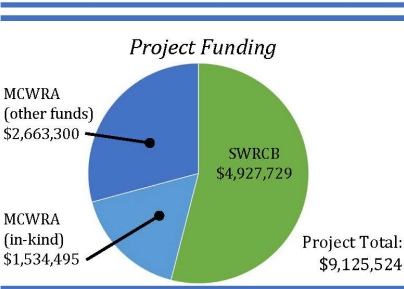
Project Description

With this Project, the Monterey County Water Resources Agency (MCWRA) will destroy a minimum of one hundred abandoned or inactive wells to prevent conduits that allow for vertical migration of seawater- and nitrate-contaminated groundwater into aquifers that supply drinking water wells and agricultural wells in the Salinas Valley Groundwater Basin.

Project Location

The Project will take place in the coastal region of the Salinas Valley Groundwater Basin, within the 180/400 Foot Aquifer Subbasin.

The Project area includes MCWRA Zone 2B, which is the Castroville Seawater Intrusion Project (CSIP) area, and some surrounding lands outside the Zone 2B boundary.



Outreach & Information

MCWRA will be holding a public workshop on the Project in Spring 2021.

<https://www.co.monterey.ca.us/government/government-links/water-resources-agency/programs/protection-of-domestic-drinking-water-supplies-in-the-lower-salinas-valley>

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Questions?