



Public Hearing Item 9:

**CONSIDER ADOPTION OF RESOLUTION
MODIFYING RULE 20E – ESTABLISHING
ZONES OF CONTROL FOR PURE WATER
MONTEREY**

September 15, 2025, Regular Meeting
Staff contact: Jonathan Lear

Resolution to Modify Rule 20E

MPWMD Rule 20E

Establishes Pure Water Monterey control zones for construction of drinking water wells

Zones are required by Title 22 Regulations for Department of Drinking Water Permit required for operation of Pure Water Monterey

Outlines the regulatory process of how the zones will be enforced

Developed with Department of Drinking Water – Recycled Water Unit input

Originally Created by Ordinance 183 adopted by the Board in July 2019

Resolution to Modify Rule 20E

- **Recharge Goal – 5,950 AFY**
 - 5% - Paso Robles (PR)
 - 95% - Santa Margarita (SM)
- **PWM Injection Facilities**
 - 6 DIWs
 - 2 VZWs
 - 5 MW Clusters
- **Local Water Supply Wells**
 - ASR Wells (SM)
 - Other Cal-Am Wells
 - Paralta (PR and SM)
 - Ord Grove 2 (PR and SM)
 - Luzern (PR)
 - Bayonet 1 and 2 (Under Construction)



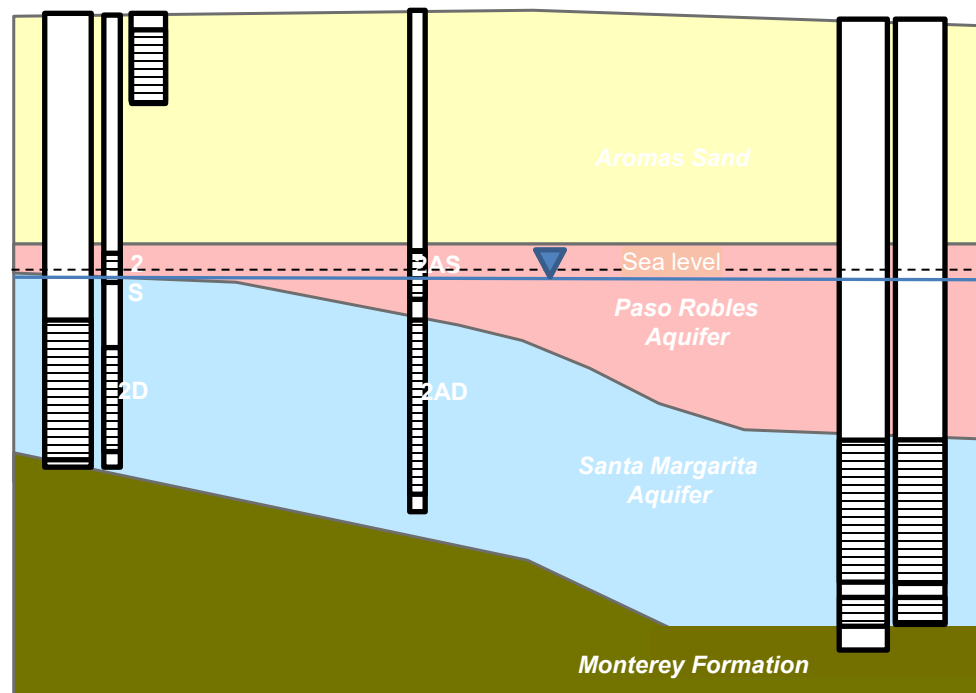
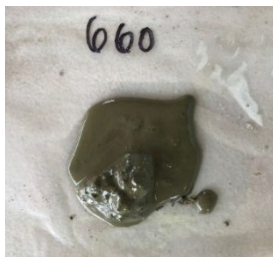
Cross Section of Seaside Groundwater Basin

Cross Section A-A'

- Paso Robles
- Santa Margarita



- Monterey



Resolution to Modify Rule 20E

Modeled Travel Times with Groundwater Model Calibrated to 6 Tracer Tests

Seaside Basin Watermaster MODFLOW model was used

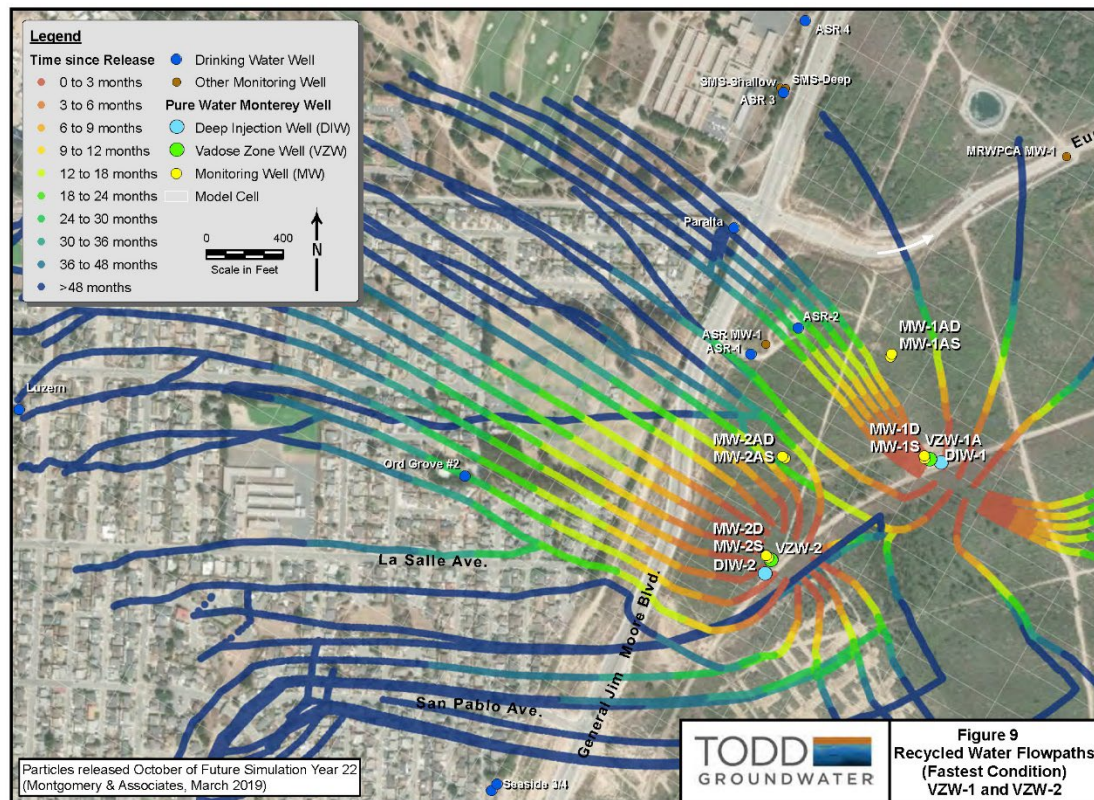
Same Model used for PWMX EIR Title 22 Engineering Report

Worked with Cal-Am to use realistic pumping scenarios

Used Historic Carmel River Flows to drive realistic ASR operations

Worked with PWM and M1W to simulate realistic PWM operations

Complied with all Water Rights and State Board Orders



Resolution to Modify Rule 20E

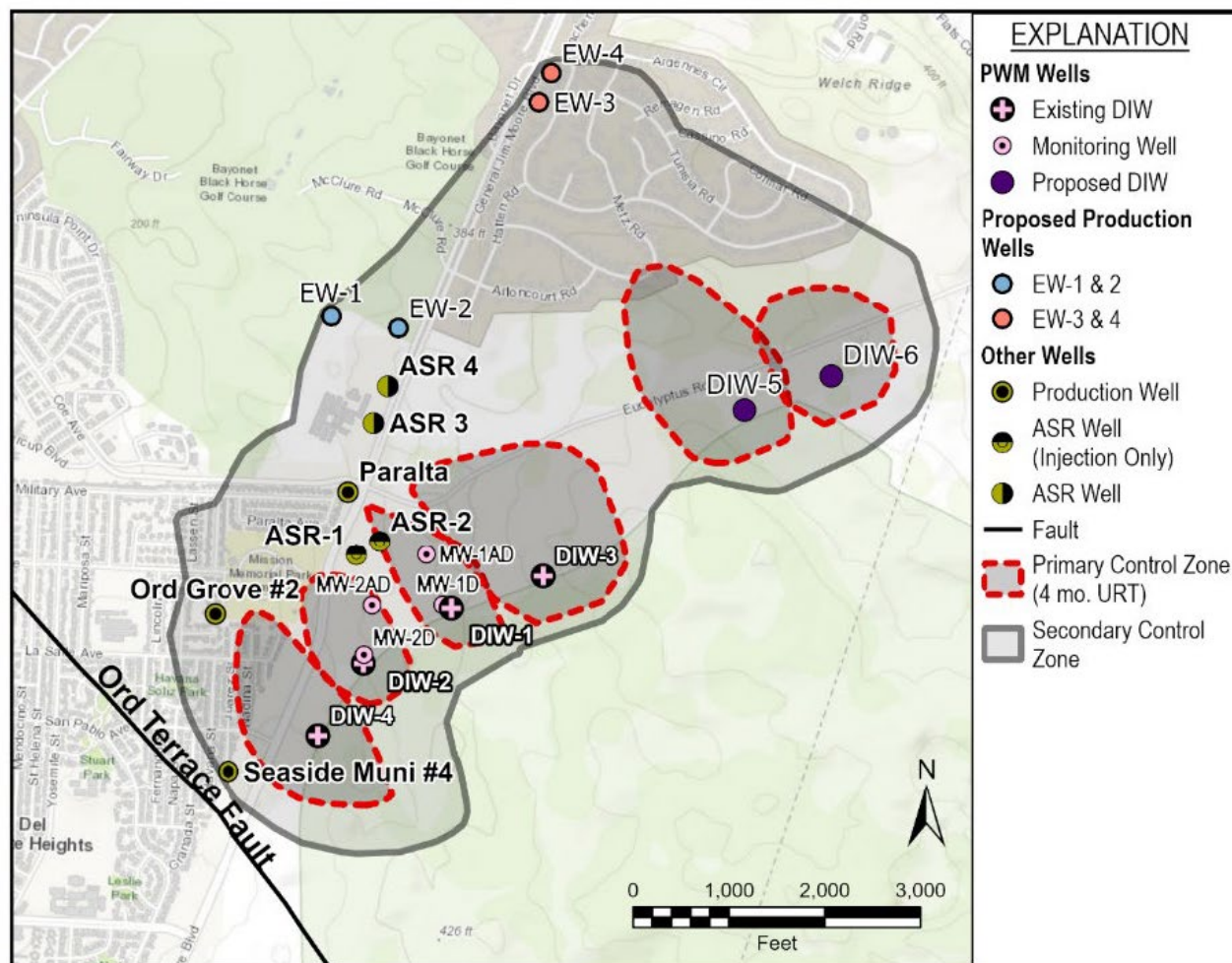




Figure 10-2. Boundaries of the Primary and Secondary Control Zones

Control Zone Process – Rule 22e

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- Prohibition of installation of drinking water Wells within the control zones in the Paso Robles Aquifer and the Santa Margarita Sandstone shall be enacted once the Pure Water Monterey (PWMX) begins injecting as required by Title 22 Regulations. Maps identifying the control zones are included with this Rule. The process shall be as follows:
 - Monterey County Environmental Health (MCEH) requires MPWMD review and comment of all proposed well construction permits prior to the approval of a well construction permit if the proposed Well site is within the MPWMD boundaries.
 - At the time of permit review, if the Well is determined to be inside the control zone, the permit will be denied.

Secondary Control Zone Process – Rule 22e

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- An elevated level of study is required prior to MPWMD approving the permit in the MCEH review process in accordance with Title 22 Regulations. The study must demonstrate that Wells proposed to be installed in the secondary control zone will not capture water injected into the PWM injection wells that have had travel time shorter than travel time required in the Title 22 Engineering Report and the RWQCB Permit. The process shall be as follows:
 - MCEH requires MPWMD review and comment of all proposed well construction permits prior to the approval of a well construction permit if the proposed Well site is within the MPWMD boundaries.
 - At the time of permit review, if the Well is determined to be inside the secondary control zone, MPWMD will work with MCEH and the Applicant to demonstrate appropriate travel time to the proposed Well.

Resolution to Modify Rule 20E

Recommendation

- It is recommended that the Board adopt the resolution to modify the Zone of Control Map in Rule 20E
- Timing of Recommendation is linked to the October 9, 2025 Regional Board Hearing where it is expected the PWMX Permit will be approved and the new Zone of Control will be in place