

# Millions in Grant Funding Awarded, Agreements Signed with the Navy, and Drill Rigs Preparing for Mobilization

Does Anyone Still Think the EBB Water Project  
is “Pie in the Sky?”

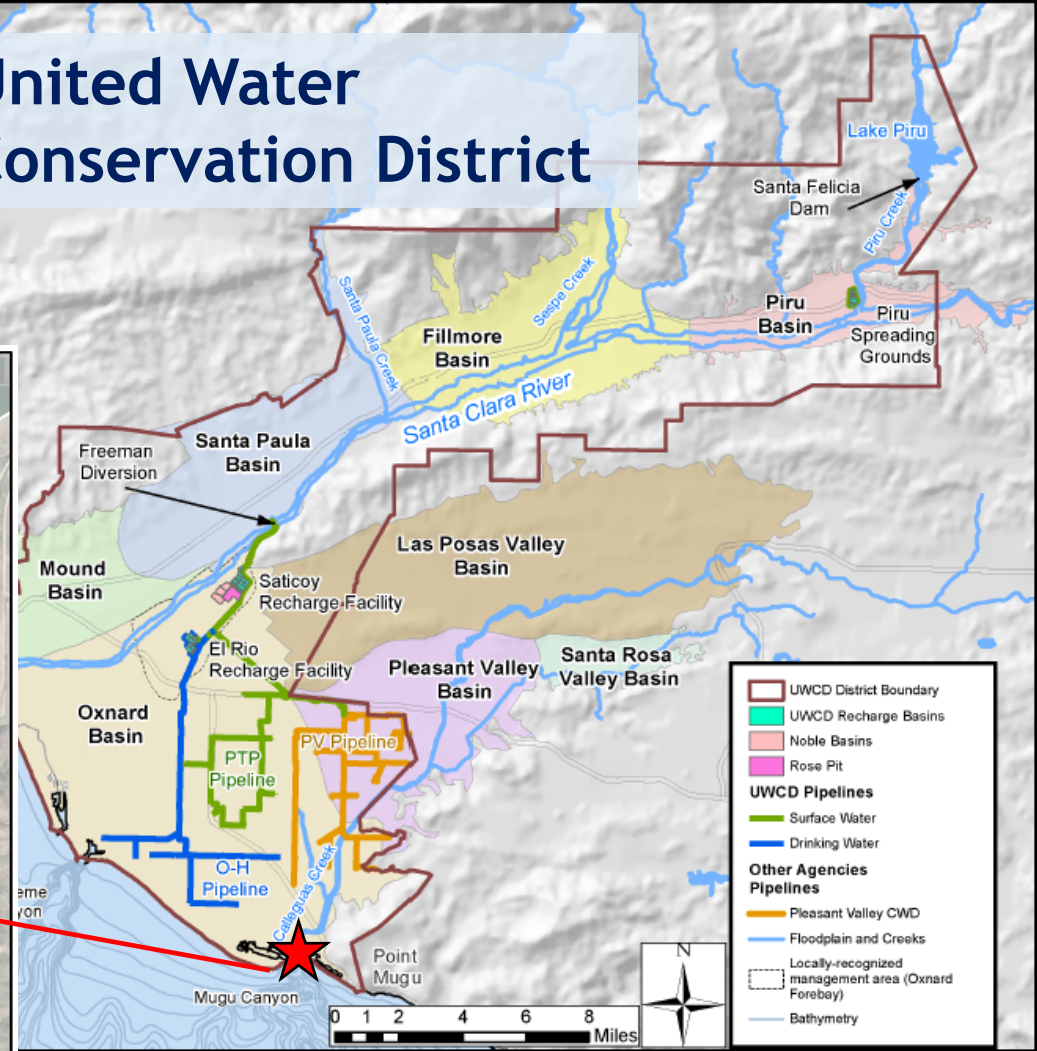
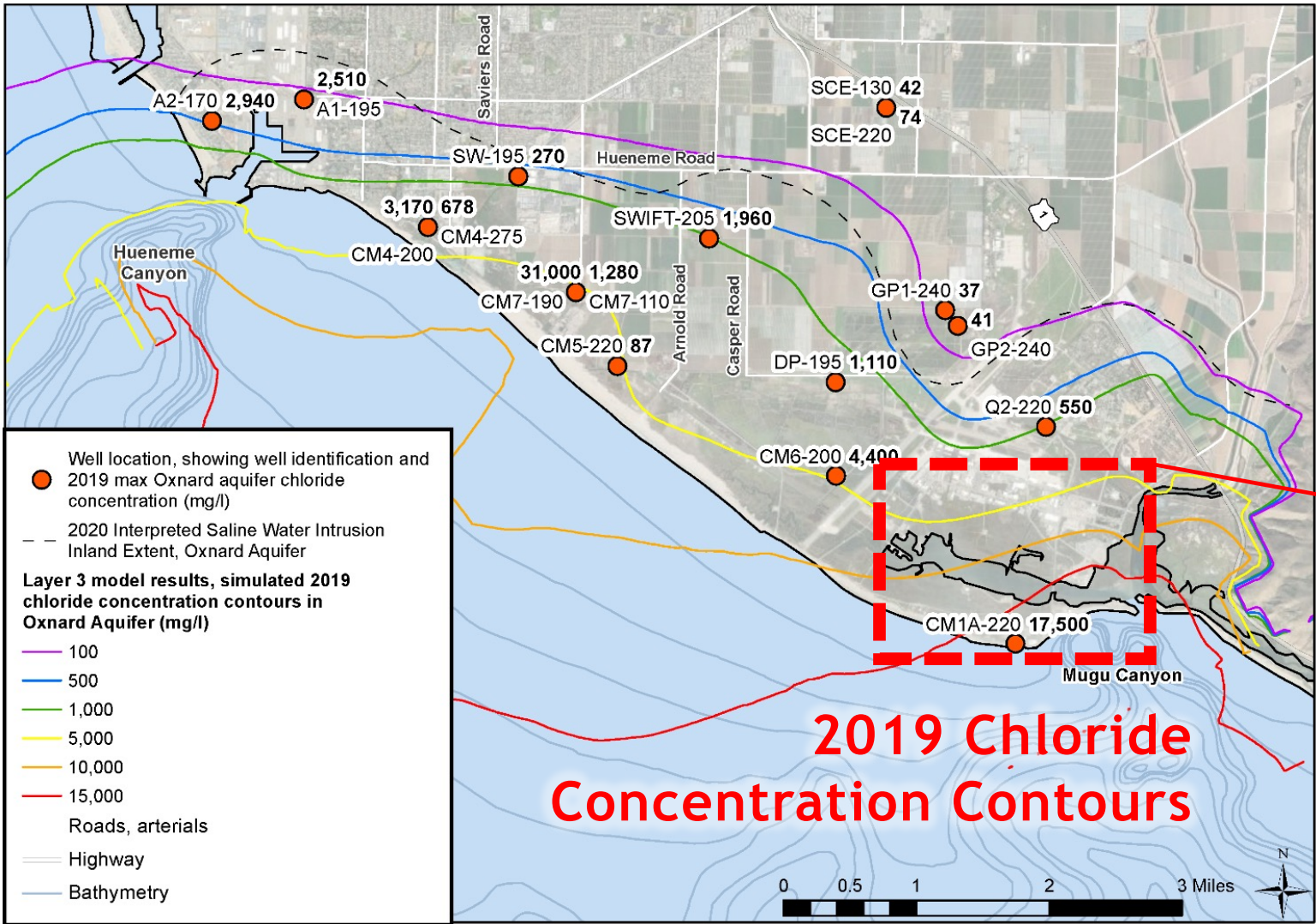


October 26, 2023

Maryam Bral, Ph.D., P.E. *Chief Engineer*  
Nathan Jacobsen, P.E., *Water Program Manager*

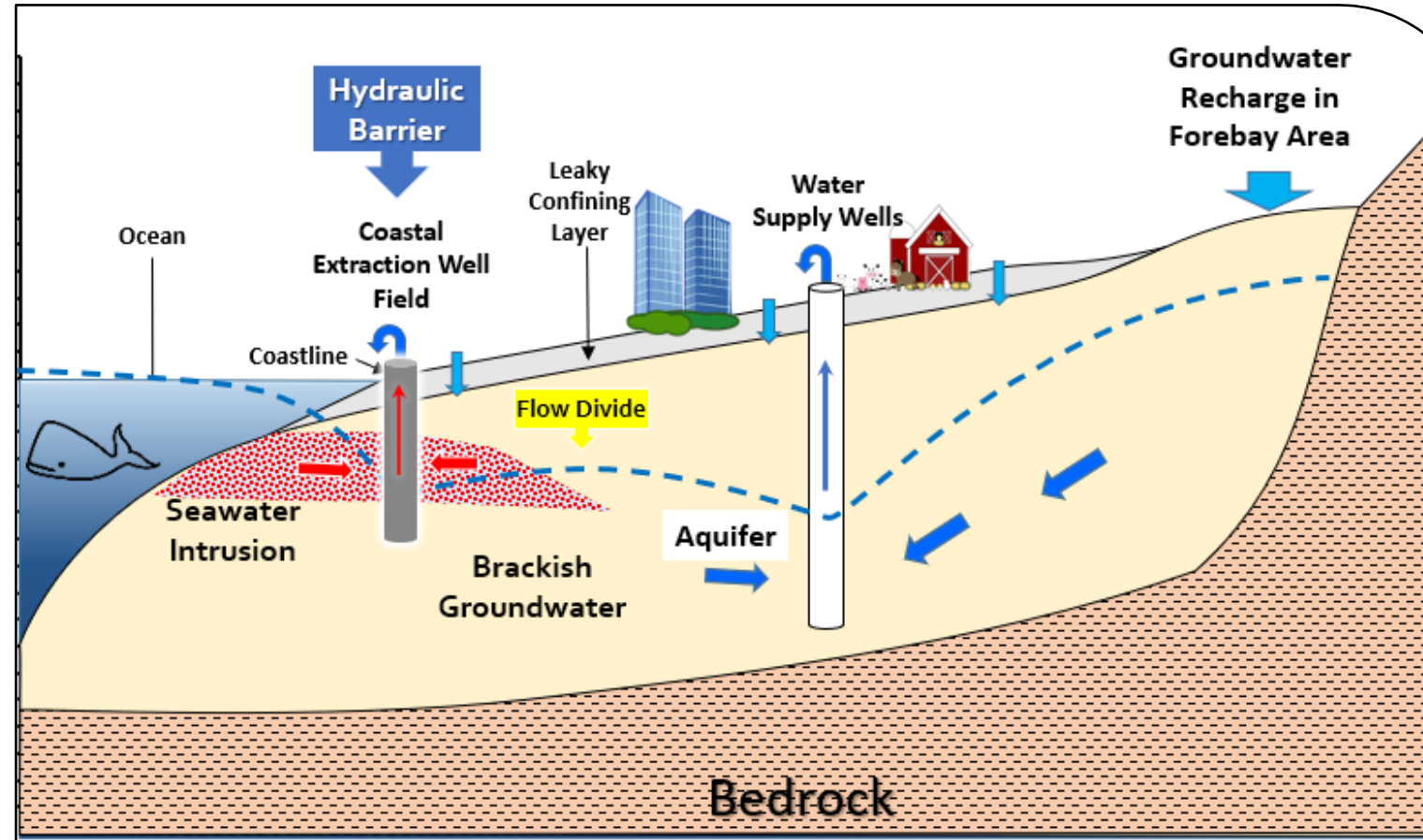
# Seawater Intrusion & Project Location

## United Water Conservation District



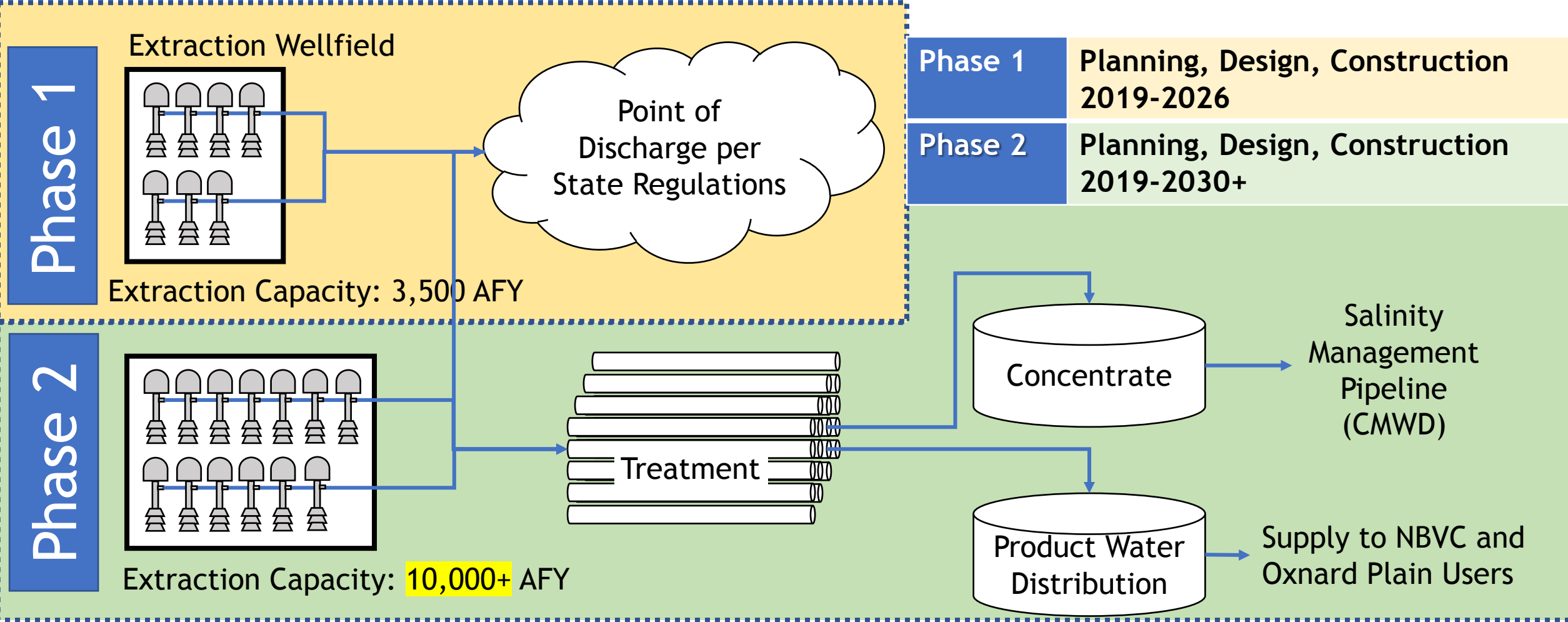
# Extraction Barrier and Project Benefits

- ◆ **CONTROL** seawater intrusion
- ◆ **RESTORE** offshore GW gradients
- ◆ **REMOVE** saline and brackish water from Oxnard Basin
- ◆ **SUPPORT** and increase OPV Basins Sustainable Yield
- ◆ **MITIGATE** for significant GW extraction reduction
- ◆ **ENHANCE** local water supply resilience
- ◆ **ENABLE NBVC** to meet its resilience goals

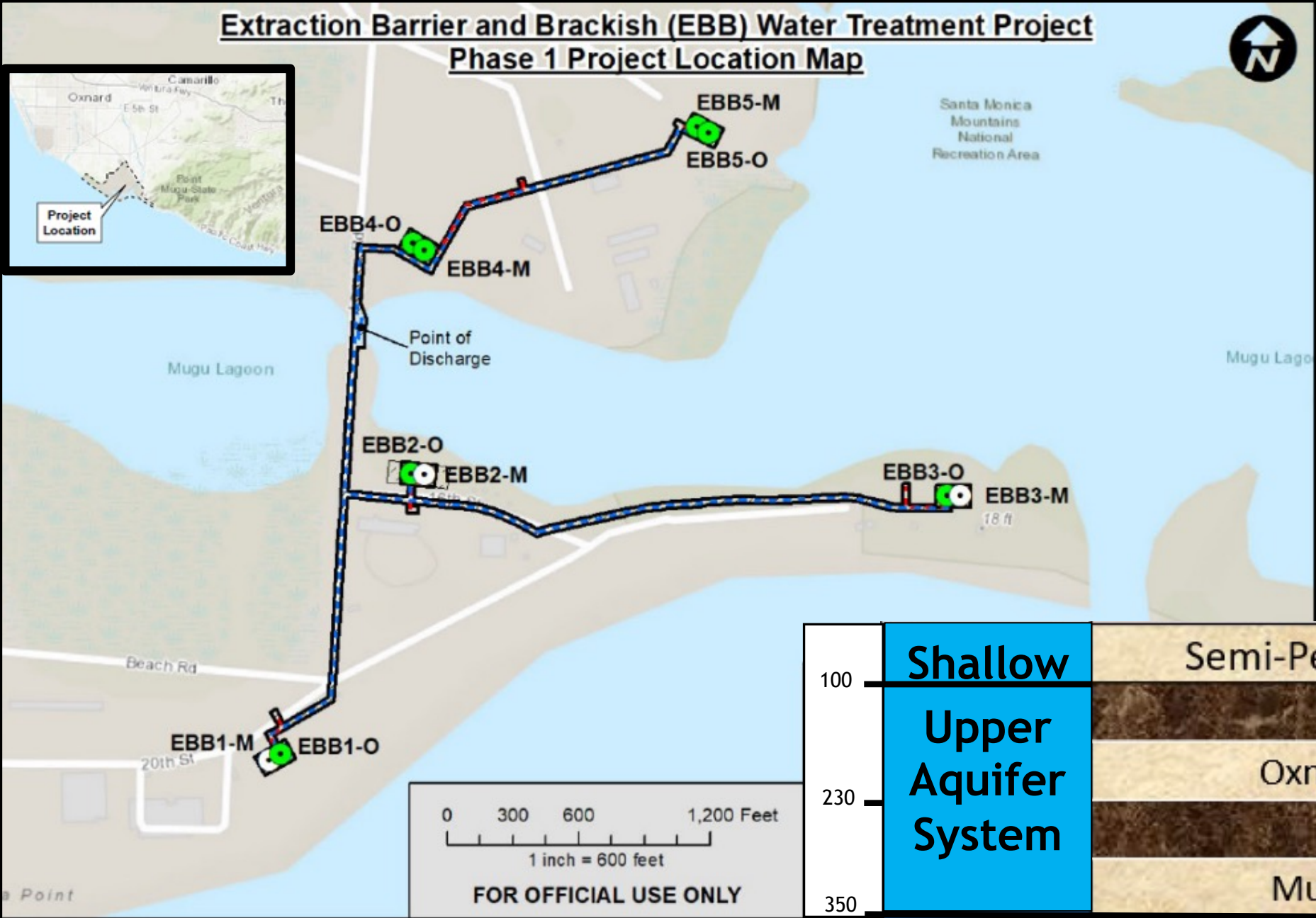


No need for open water intake structures

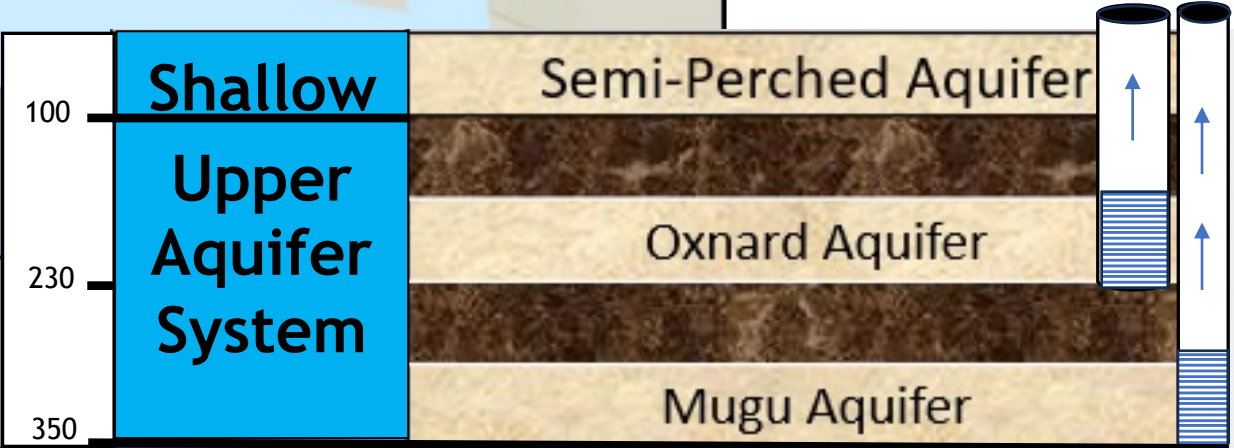
# Project Phasing and Timeline



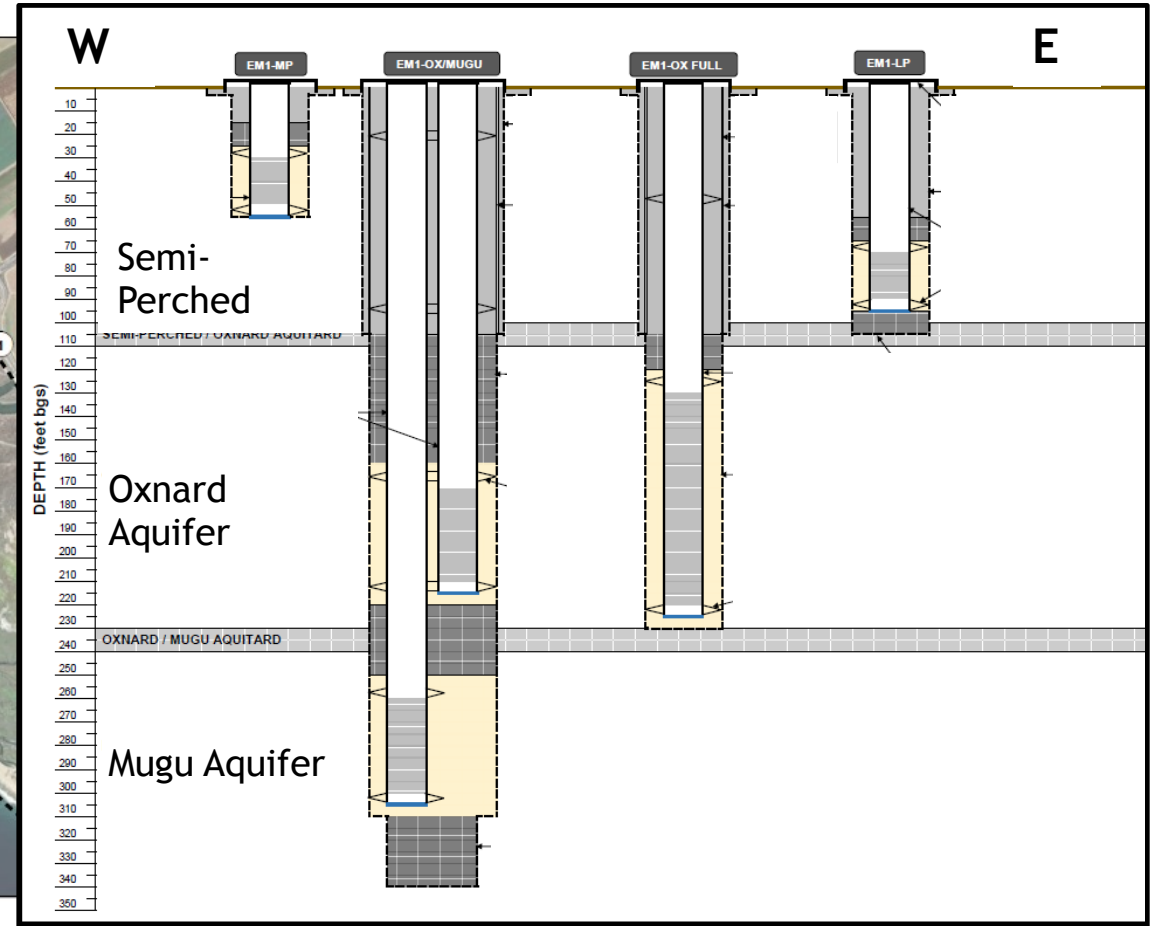
# Phase 1 - Extraction Wells and Discharge Facility



















Phase 1  
Validates and evaluates extraction barrier efficacy and informs Phase 2 design



# Phase 1 - Monitoring Wells



New Monitoring Wells will be used to collect data that help accelerates project design and permitting

-  PROPOSED EXTRACTION WELLS
-  PROPOSED BRACKISH WATER TREATMENT PLANT
-  PROPOSED COASTAL ZONE PRODUCT WATER PIPELINE
-  PROPOSED FOREBAY PRODUCT WATER PIPELINE
-  PROPOSED CONCENTRATE PIPELINE
-  PROPOSED PERMEATE PIPELINE
-  PROPOSED PRODUCT WATER PIPELINE
-  PROPOSED RAW PIPELINE
-  PLEASANT VALLEY COUNTY WATER DISTRICT PIPELINE
-  UWCD MAIN SUPPLY PIPELINE
-  UWCD EL RIO MANIFOLD
-  UWCD OXNARD-HUENEME PIPELINE
-  UWCD PLEASANT VALLEY PIPELINE
-  UWCD PUMPING TROUGH PIPELINE
-  SALINITY MANAGEMENT PIPELINE (CMWD)
-  NBVCNAS POINT MUGU BOUNDARY

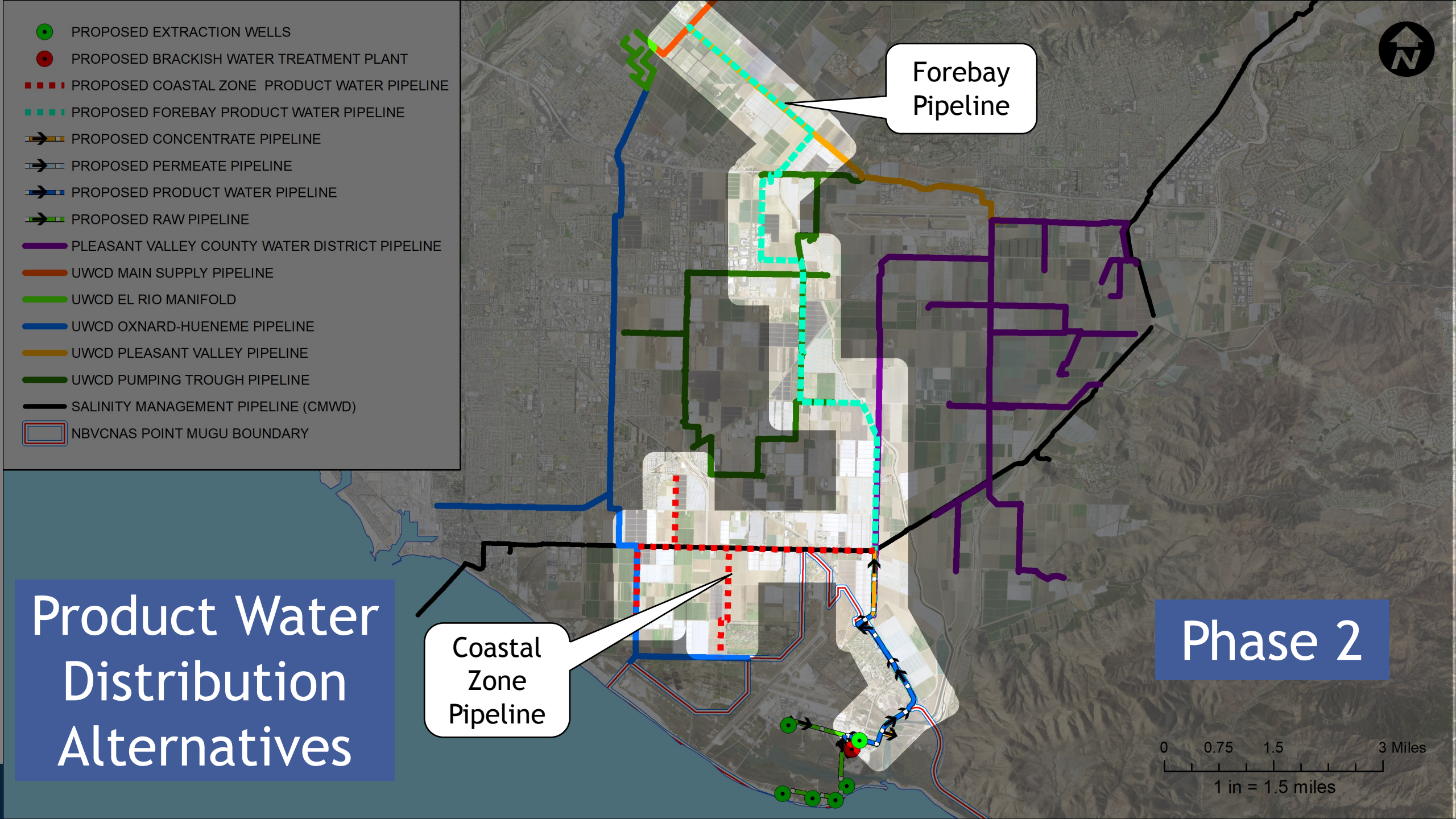
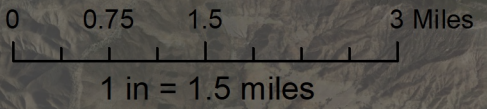


Forebay Pipeline

Coastal Zone Pipeline

# Product Water Distribution Alternatives

Phase 2



# Since 2022 Summit

- ❑ **Design and Environmental Permitting Contracts (2022-2024)**  
KJ to develop design and ESA to support CEQA/ NEPA
- ❑ **US Navy License Agreement (Feb 2023 - Feb 2024)**  
Access to Point Mugu for site specific investigations
- ❑ **Geotechnical Exploration (2023-2024)**  
Geotech consultant selection in process
- ❑ **Monitoring Wells Design and Construction (2023-2024)**  
Jacobs to develop design and oversee construction
- ❑ **Memorandum of Understanding (Oct 2023)**  
United and Navy Roles and Responsibilities
- ❑ **Letter of Request (Oct - Nov 2023)**  
Initiating real estate process for an outgrant easement for Phase 1
- ❑ **SWRCB Prop 1 Round 3 Grant (Aug - Dec 2023)**  
SWRCB grant agreement execution for \$8.45M funding ongoing



# Grants Supporting Phase 1

- **Funds Secured to Date (\$10M)**
  - \$123K - SWRCB Prop 1 GWGP Round 1 - Feasibility Study - COMPLETE
  - \$1.32M - DWR SGM Grant - Monitoring Well Construction - Secured
  - \$8.45M - SWRCB Prop 1 GWGP Round 3 - Phase 1 Project - Secured
- **Potential 2023-2026 Funds**
  - USBR WaterSMART Title XVI WIIN
  - DWR Prop 1 IRWM
  - CA OPC Prop 68
  - DOD OLDCC DCIP



State Water Resources Control Board  
Division of Drinking Water

# Letters of Support

THOMAS L. SLOSSON, PRESIDENT  
DIVISION 1

ANDRES SANTAMARIA, VICE PRESIDENT  
DIVISION 4



**FOX CANYON  
GROUNDWATER MANAGEMENT AGENCY**  
A State of California Water Agency



DEPARTMENT OF THE NAVY  
NAVAL BASE VENTURA COUNTY  
311 MAIN ROAD, SUITE 1  
POINT MUGU, CA 93042-5033



DEPARTMENT OF THE NAVY  
COMMANDER NAVY REGION SOUTHWEST  
750 PACIFIC HIGHWAY A  
SAN DIEGO CA 92132-0658

11010



DEPARTMENT OF THE NAVY  
NAVAL BASE VENTURA COUNTY  
311 MAIN ROAD, SUITE 1  
POINT MUGU, CA 93042-5033

IN REPLY REFER TO:  
11010



DEPARTMENT OF THE NAVY  
NAVAL BASE VENTURA COUNTY  
311 MAIN ROAD, SUITE 1  
POINT MUGU, CA 93042-5033

IN REPLY REFER TO:  
5090  
Ser N0000CV/468  
June 27, 2022

Ms. Kim Thoa Dinh  
State Water Resources Control Board  
Office of Sustainable Water Solutions Branch  
Division of Financial Assistance  
Cal EPA Building  
1001 I Street, 17th Floor  
Sacramento, CA 95814

Dear Ms. Dinh:

**SUBJECT: UNITED WATER CONSERVATION DISTRICT PROPOSAL FOR PROPOSITION ONE, ROUND THREE IMPLEMENTATION GRANT TO DEMONSTRATE CONTROL OF SEAWATER INTRUSION**

This letter is provided in support of the proposal by United Water Conservation District (UWCD) for a State of California proposition one, round three implementation grant to demonstrate that an extraction barrier can effectively prevent and draw-back the advancement of seawater intrusion in the local groundwater basin. The scope of work for the proposition one, round three grant is the first phase of a multi-phase project that is referred to as the Extraction Barrier and Brackish (EBB) Water Treatment Project. As noted in the UWCD grant application, the United States Navy owns the land nearest to the Mugu Submarine Canyon, located just offshore from Naval Base Ventura County (NBVC) Point Mugu, which provides a unique opportunity to have the multi-benefit EBB Water Treatment Project that can reverse inland migration of brackish water while providing a substantial new potable water supply for Ventura County, California.

As water is critical to military sustainability, resiliency, and compatibility, the Navy is in support of proposition one, round three, which will further project development of the EBB Water Treatment Project. The Fox Canyon Groundwater Management Agency (FCGMA) also supports UWCD's proposition one, round three proposal and outlined the EBB Water Treatment Project as a critical component for long-term groundwater sustainability.

To continue the EBB Water Treatment Project and to demonstrate the Navy's support, a real

**NBVC and Navy  
Region SW Support**

**Marathon Land, Inc.**  
P.O. Box 579



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Andy Waters, Waters Family Farms  
Director

Lisa Woodburn, Jensen Design and Survey  
Director

July 12, 2022

Kimthoa Dinh, P.E.  
Bonds Section-Division of Financial Assistance  
State Water Resources Control Board  
CalEPA Building  
1001 I Street, 17th Floor  
Sacramento, CA 95814  
via email: Kim.Dinh@waterboards.ca.gov

**RE: Letter of Support for United Water Conservation District's Prop 1 Round 3 Grant Application for Phase 1 Pumping of Brackish Groundwater Wells to Control Seawater Intrusion, Oxnard Basin**

Dear Ms. Dinh:

The Ventura County Coalition of Labor, Agriculture and Business (VC CoLAB) is writing this letter to express our strong support for United Water Conservation District's (United Water) grant application to assist with protecting the critical Oxnard Basin from seawater intrusion.

VC CoLAB is a non-profit agricultural advocacy organization representing 550 members throughout Ventura County and Southern California. Our diverse membership includes farmers, ranchers, agricultural support services, local water district representatives, and residents who support our efforts to ensure local farming continues to be part of Ventura County and California's future.

California farms produce over half the nation's fruits and vegetables – and Ventura County is a significant portion of the overall state food production. Agricultural lands in the Oxnard Basin region are some of the most valuable and important farmlands in the state of California. But the Oxnard Basin is a crucial water supply source for more than local farming – it is also a key water source for the city of Oxnard and surrounding communities. The threat to the Oxnard groundwater basin from seawater intrusion has been well documented at the local, state, and federal levels.

United Water's innovative Phase 1 plan is an essential component of the work that must be done to protect the Oxnard Basin from seawater

