



United Water
CONSERVATION DISTRICT

COASTAL BRACKISH GROUNDWATER TREATMENT



NOTABLE PROGRESS MADE



- ◆ Received DWR Prop 1 Planning Grant (\$122,563) to evaluate extraction barrier wells to minimize seawater intrusion in the Oxnard Basin. Key tasks:
 - ◆ Refine groundwater model in coastal areas
 - ◆ Evaluate and identify potential locations and numbers of well sites, water distribution alternatives, impact on basin sustainability goals



- ◆ Partnering with the U.S. Navy
 - ◆ Extraction wells and treatment plant to be located at Naval Base Ventura County Point Mugu
 - ◆ Collaboration began in Nov 2019 and is ongoing



**ORIGINAL
PROPOSAL
(FEB 2020)**

Major Pipeline Lengths		
Type	Laguna Rd. and	
	11 th St.	Dump Rd.
Concentrate	15,877 ft	19,022 ft
Product Water	18,029 ft	21,806 ft
Raw Water	8,186 ft	8,531 ft
Total	42,092 ft	49,359 ft

Extraction
Wells

Coastal Brackish
Groundwater
Treatment Plant
(Alternative
Locations)



Pacific Ocean

Mugu Canyon

0 0.1 0.2 0.4 0.6 0.8 Miles

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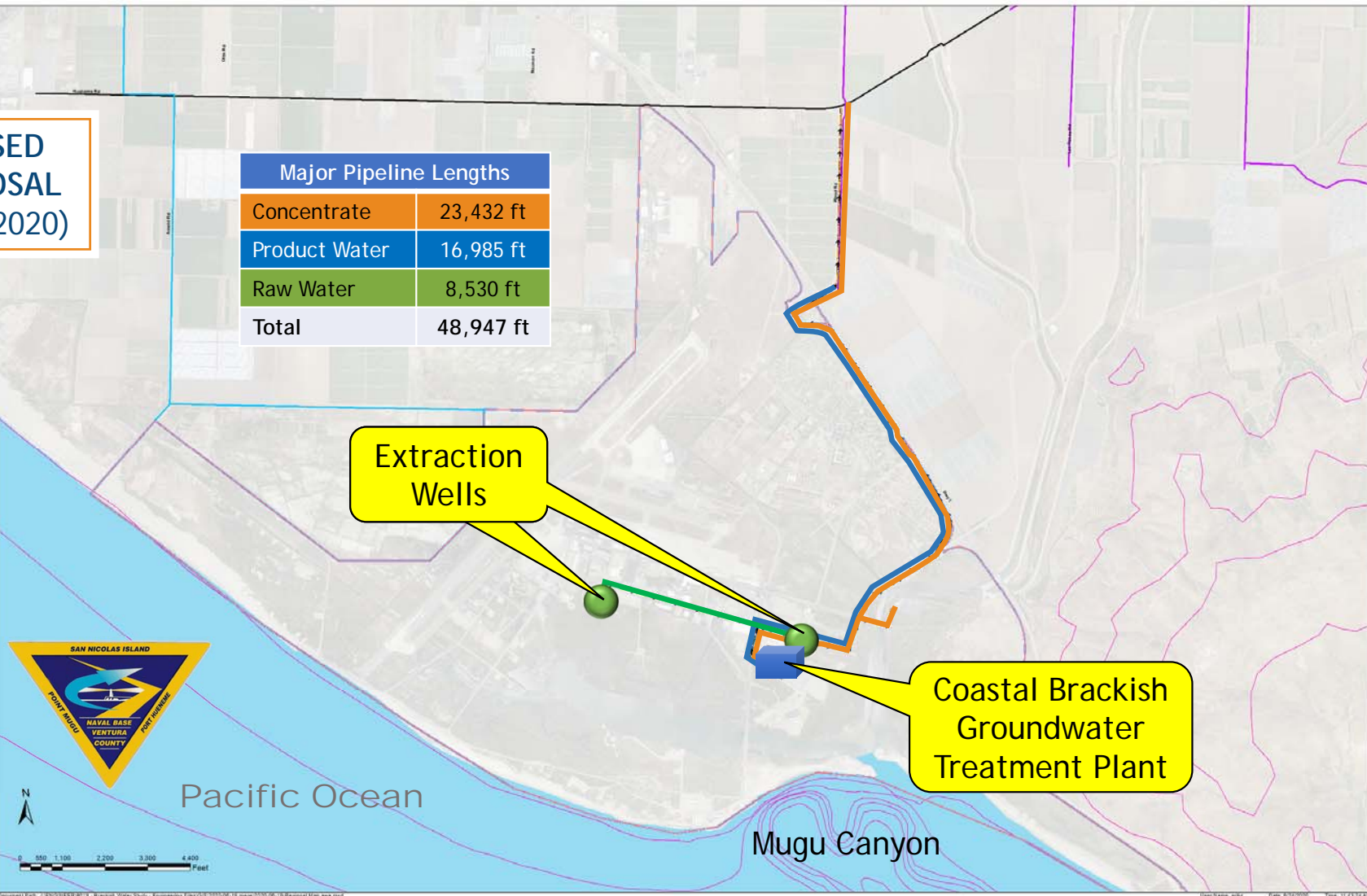
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**REVISED
PROPOSAL
(JUNE 2020)**

Major Pipeline Lengths	
Concentrate	23,432 ft
Product Water	16,985 ft
Raw Water	8,530 ft
Total	48,947 ft

Extraction
Wells

Coastal Brackish
Groundwater
Treatment Plant



NEXT STEPS

- ◆ Submit Letter of Intent (LOI) to the Navy
 - ✧ Request for Outgrant Easement
- ◆ Start work on groundwater modeling (Planning Grant)
 - ✧ Form Technical Advisory Committee (TAC) - DDW, LA RWQCB, Navy and others
 - ✧ Engage in public outreach - FCGMA and other local organizations/representatives
- ◆ Start Environmental Impact Analysis and determine permitting requirements
- ◆ Continue with Conceptual Design
 - ✧ Comprehensive groundwater sampling using existing coastal monitoring wells
 - ✧ Determine product water quality
 - ✧ Identify pre-treatment/post-treatment requirements