Solution Mojave Water Agency

OESTE GROUNDWATER RECHARGE UPDATE

Presenter: Tony Winkel, PE, PG

Wednesday, Aug 23, 2023



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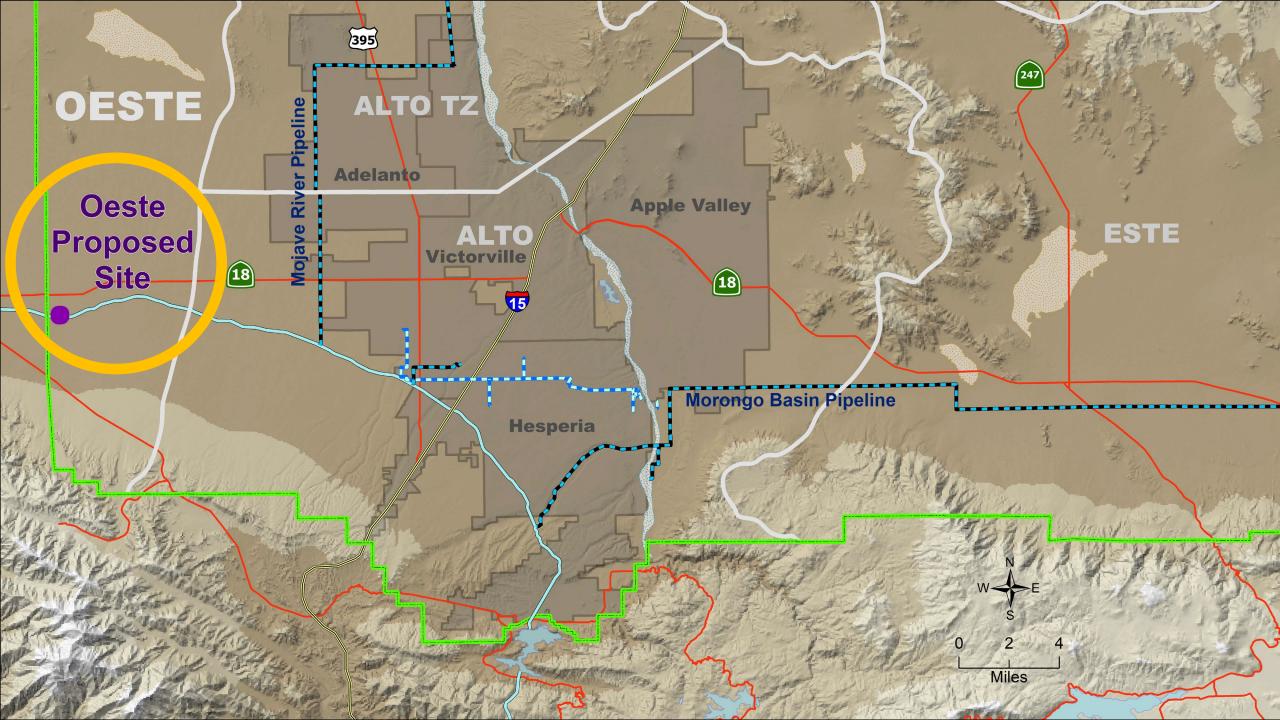
Why?

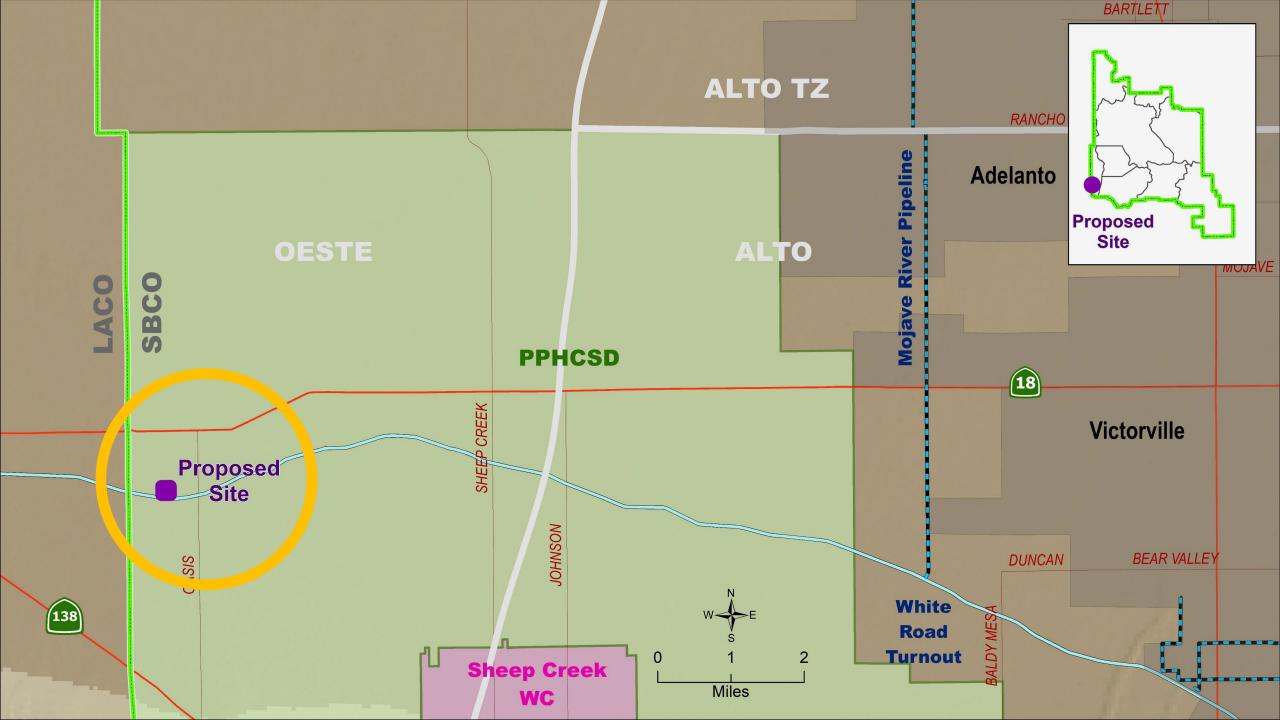
Long-term groundwater declines led to the 1996 Mojave Basin Area Judgment with an obligation to import supplemental water supplies to the Oeste Subarea

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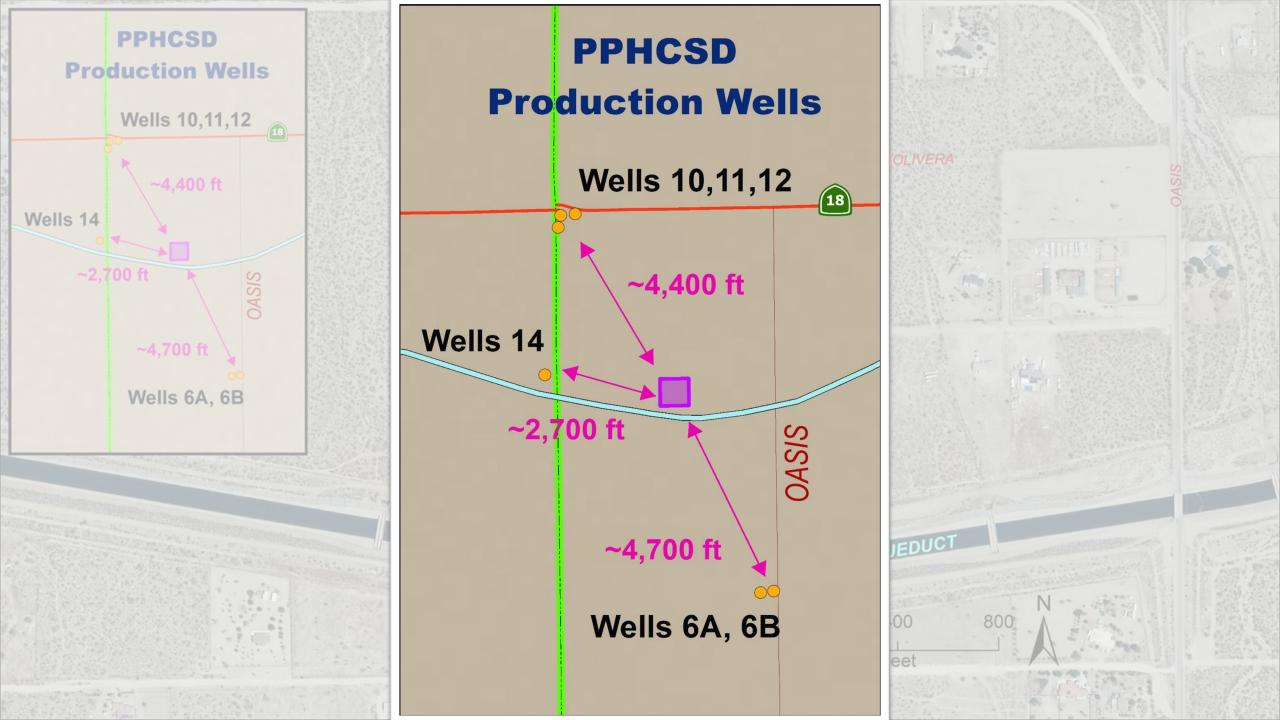
OVERVIEW

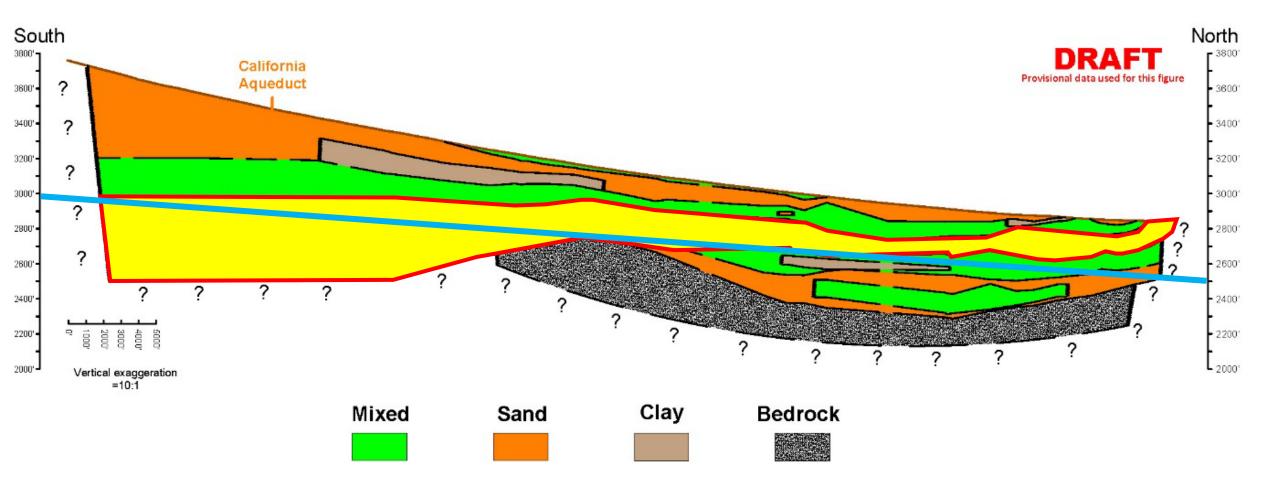
- Project Location
- Preliminary Investigations
- Geophysical Surveys
- Percolation Testing
- Monitoring Well Installation
- Preliminary Design
- Request for Proposals (RFP)
- Facility Construction



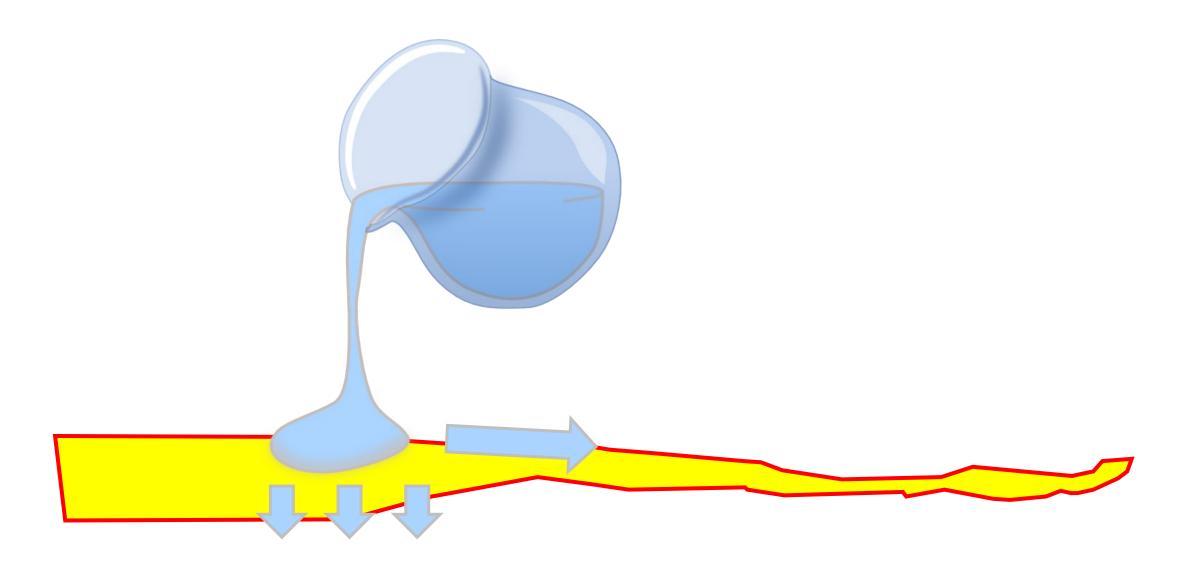






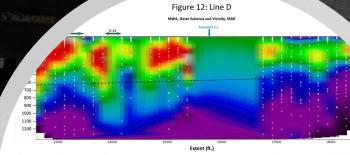


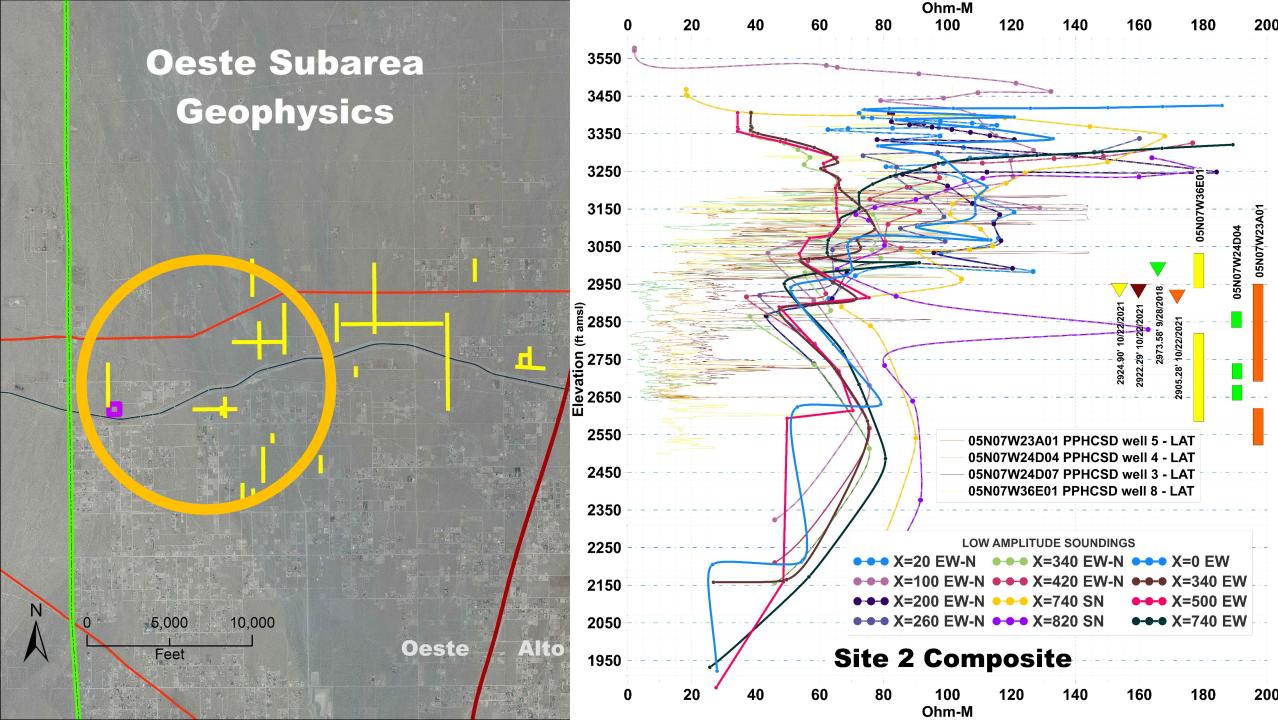




Surface Geophysics

P.Y. marine

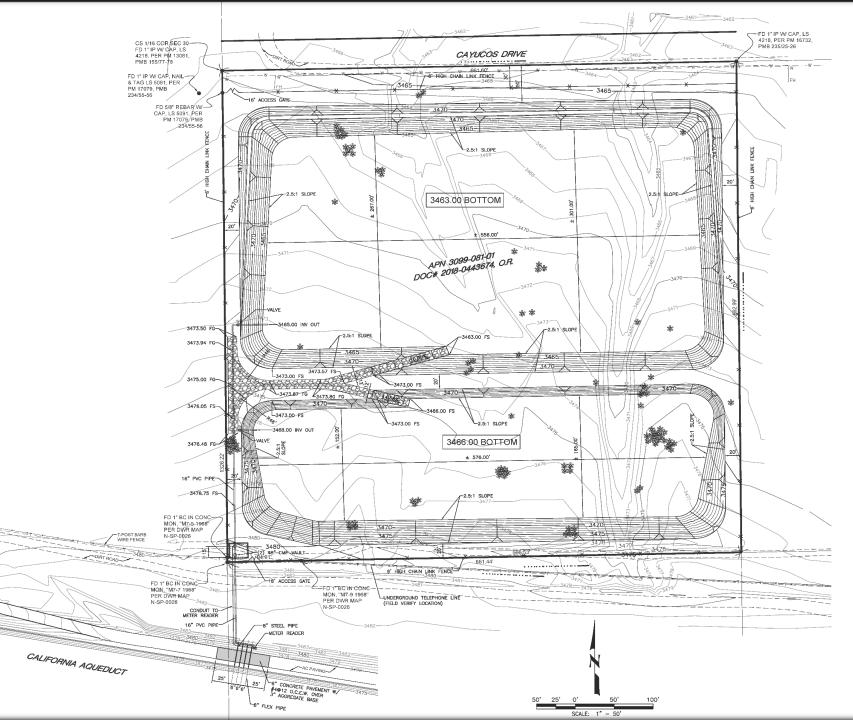




Percolation Test

1168369





Preliminary Basin Design

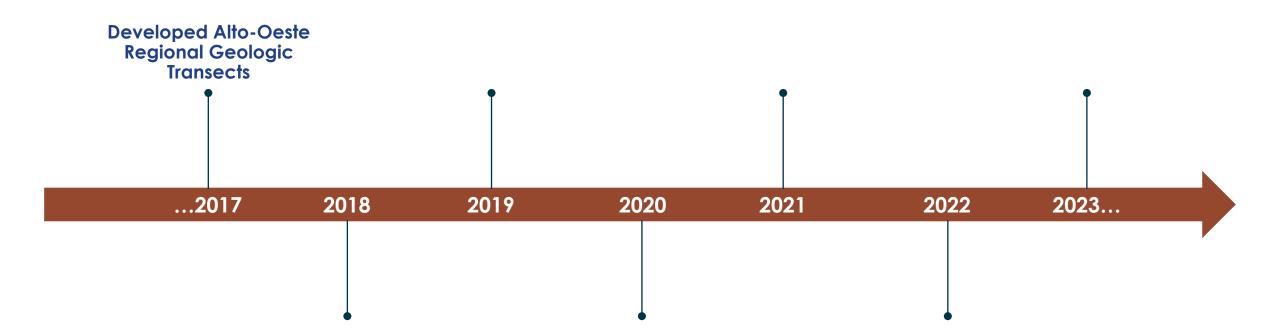
NOTE:

TOP BASIN AREA = 125,195 S.F. BOTTOM BASIN AREA = 223,390 S.F. CUT = 84,131 C.Y. FILL = 3,722 C.Y. NET = 80,409 C.Y.

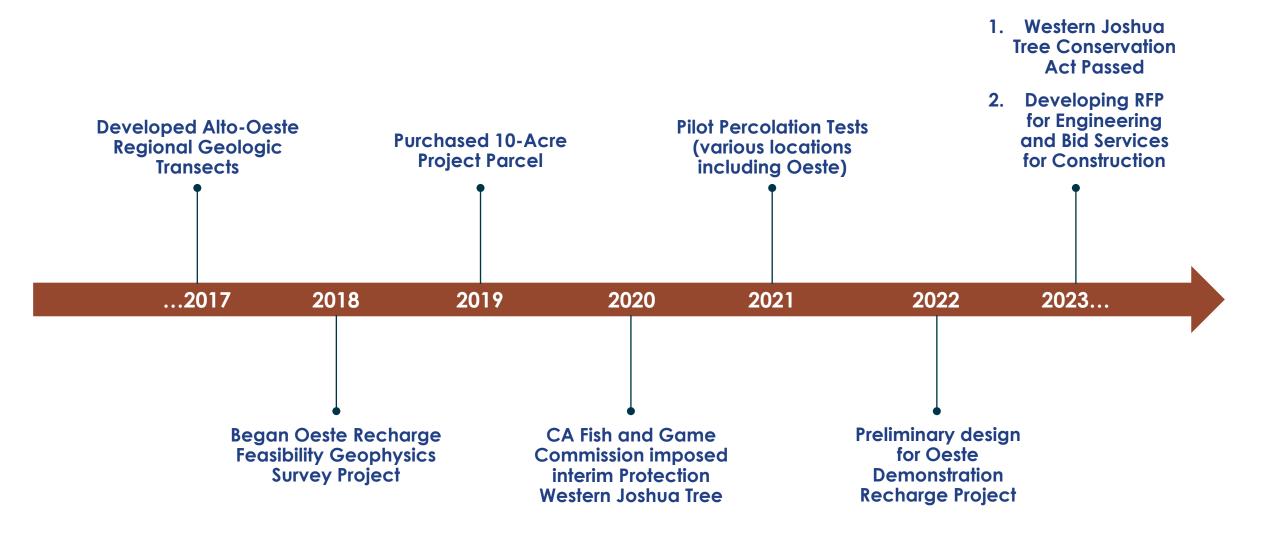
THE SIDE SLOPES ARE 2.5:1 (2.5 FEET RUN PER 1.0 FOOT RISE) THE MAX CUT DEPTH ON THE NORTHERLY BASIN IS 11 FEET. THE CONSTRUCTED DEPTH FROM TOP OF SLOPE TO BASIN BOTTOM IS 9 FEET. THE MAX CUT DEPTH ON THE SOUTHERLY BASIN IS 12 FEET. THE CONSTRUCTED DEPTH FROM TOP OF SLOPE TO BASIN BOTTOM IS 7 FEET.



Oeste Recharge Facility Timeline



Oeste Recharge Facility Timeline



CONTACT US



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SECURING WATER FOR TODAY AND TOMORROW...