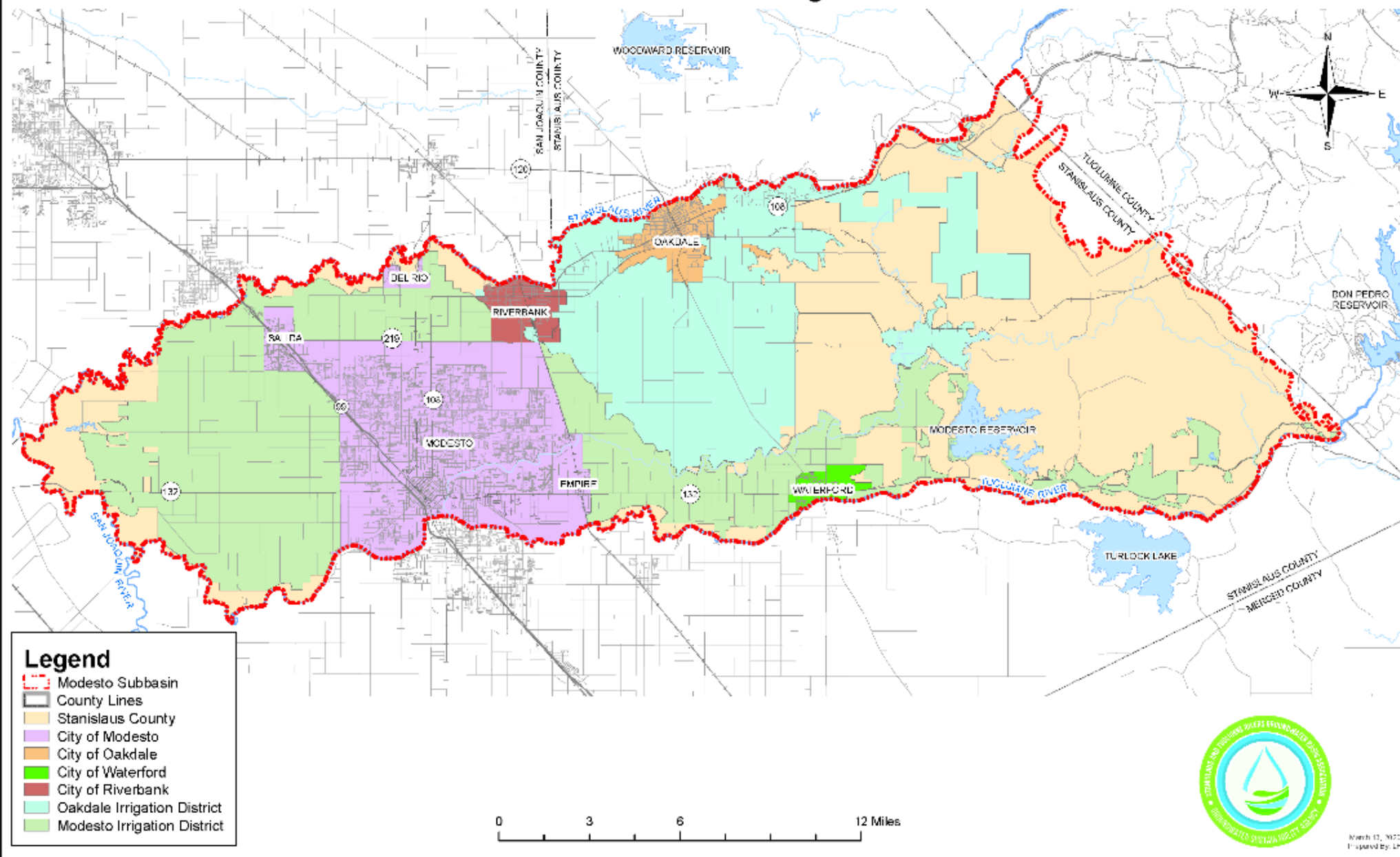




# Paulsell Lateral Expansion Grant Project and SGMA Update

Eric Thorburn, P.E.  
Water Operations Manager/District Engineer  
August 7, 2023

# Modesto Subbasin Agencies



# Sustainable GW Management Act (SGMA) Update

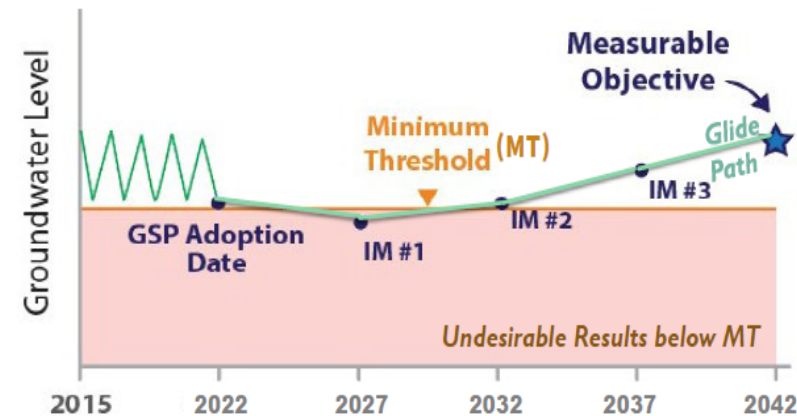
## Modesto GW Subbasin

### 1 GSA (274k acres) - south of the Stanislaus River

- GSP submitted Jan. 2022
  - DWR has 2 years to review
  - Avg annual overdraft = 43k AF
  - No projects = 47k AF (58%) reduction in NDE
- 2022 WY Annual Report (2<sup>nd</sup>) - April 1, 2023 deadline
  - Change in storage = -172k AF (-0.7 ft)
  - Continued water level decline primarily in NDE
    - April 2022 - 19% RMWs below MTs
    - April 2023 - 30% RMWs below MTs
    - No wells below IMs
- County led NDE Modesto Subbasin landowner workshop 1 of 3 – Held Jan. 25<sup>th</sup>
  - Focused on overdraft in NDE and proposed projects
  - Workshop #2 will focus on MAs in other subbasins – Anticipated +/-November 2023
    - **MAs will need to occur in NDE if IMs are not met**

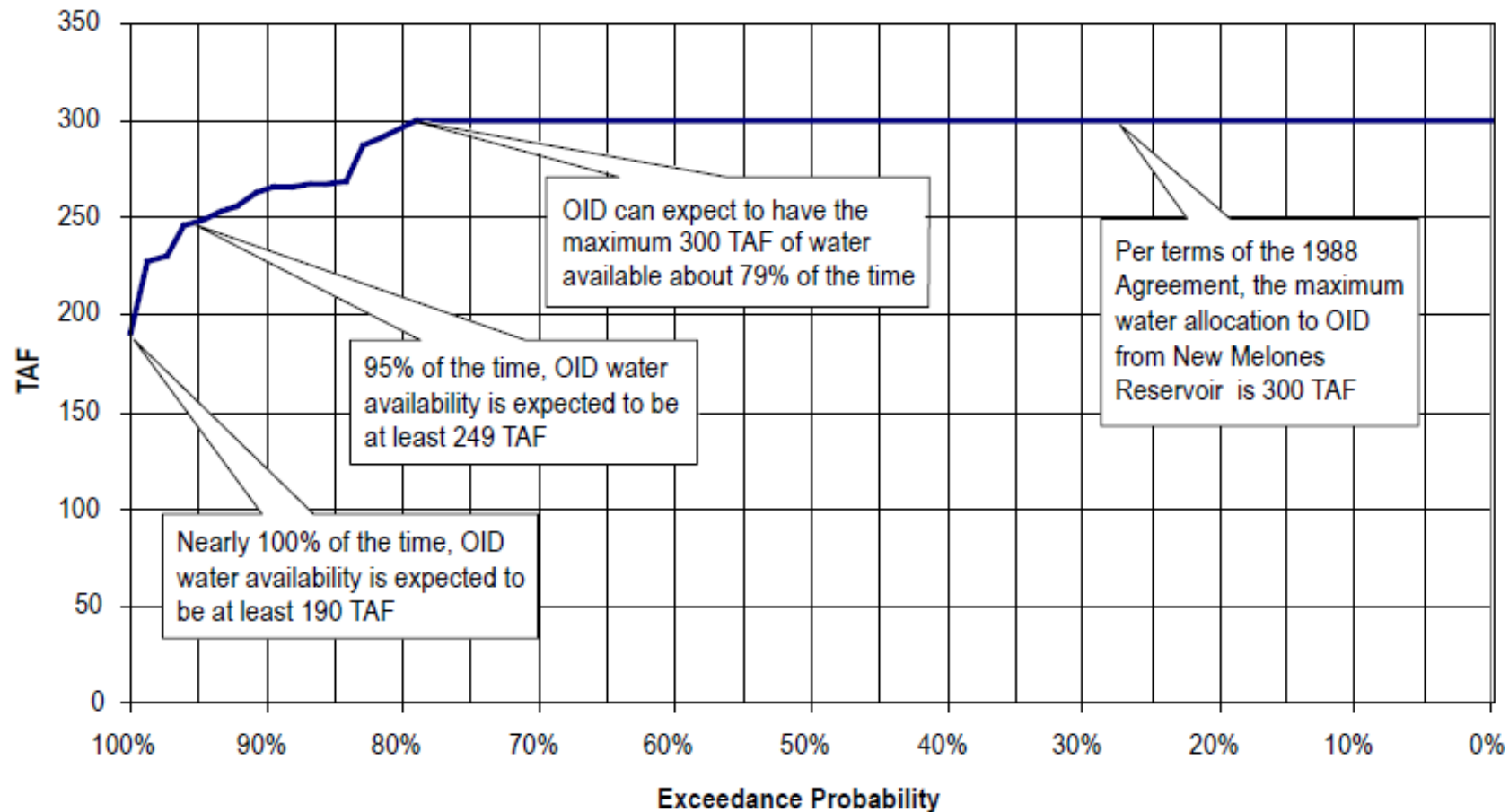
## INTERIM MILESTONES – PROPOSED APPROACH

- IM #1 – 2027: water level declines before project benefits are observed
- IM #2 – 2032: set at the MT
- IM #3 – 2037: one-half distance between the MT and the MO



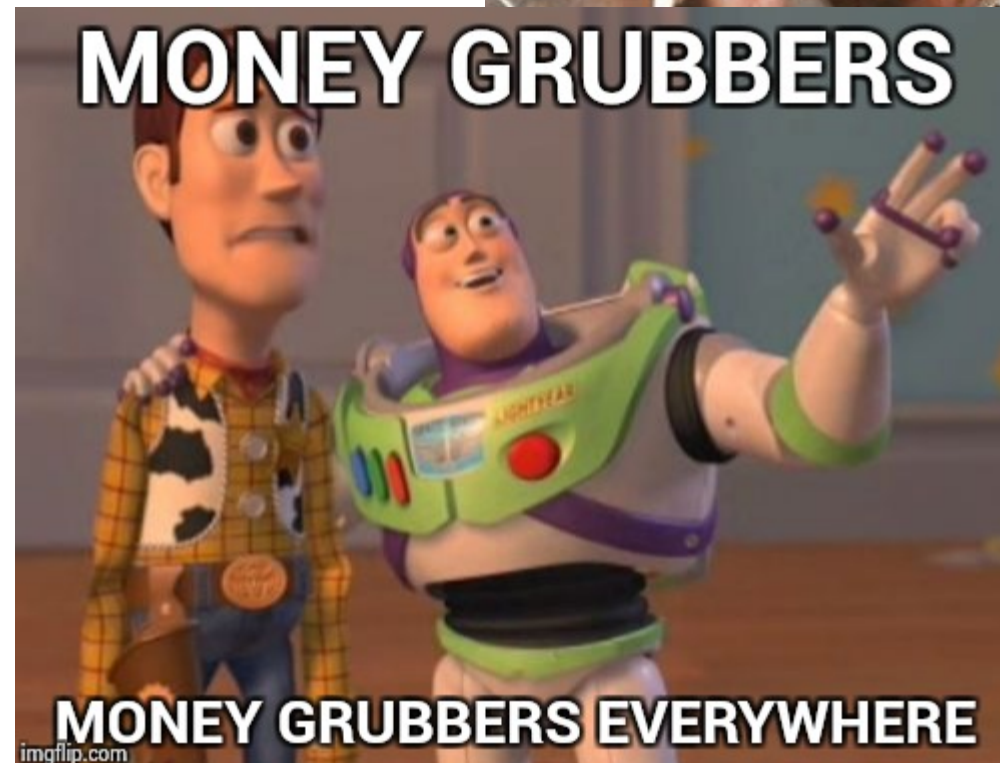
# OID 10-Year OOD Water Sale Program

- No impact to in-district OID constituents
- Agreement approved Feb. 7, 2023
- 11k irrigated acres enrolled
- Up to 25k AF available (20 TAF - Modesto subbasin)
- \$200/AF with 3% annual escalator
- Min. 1.5 AF/Ac annual purchase (use or lose)
- Anticipated availability 7 out of 10 years
- New TOs & pvt infrastructure at LO's expense
- 10-yr renewal at OID discretion



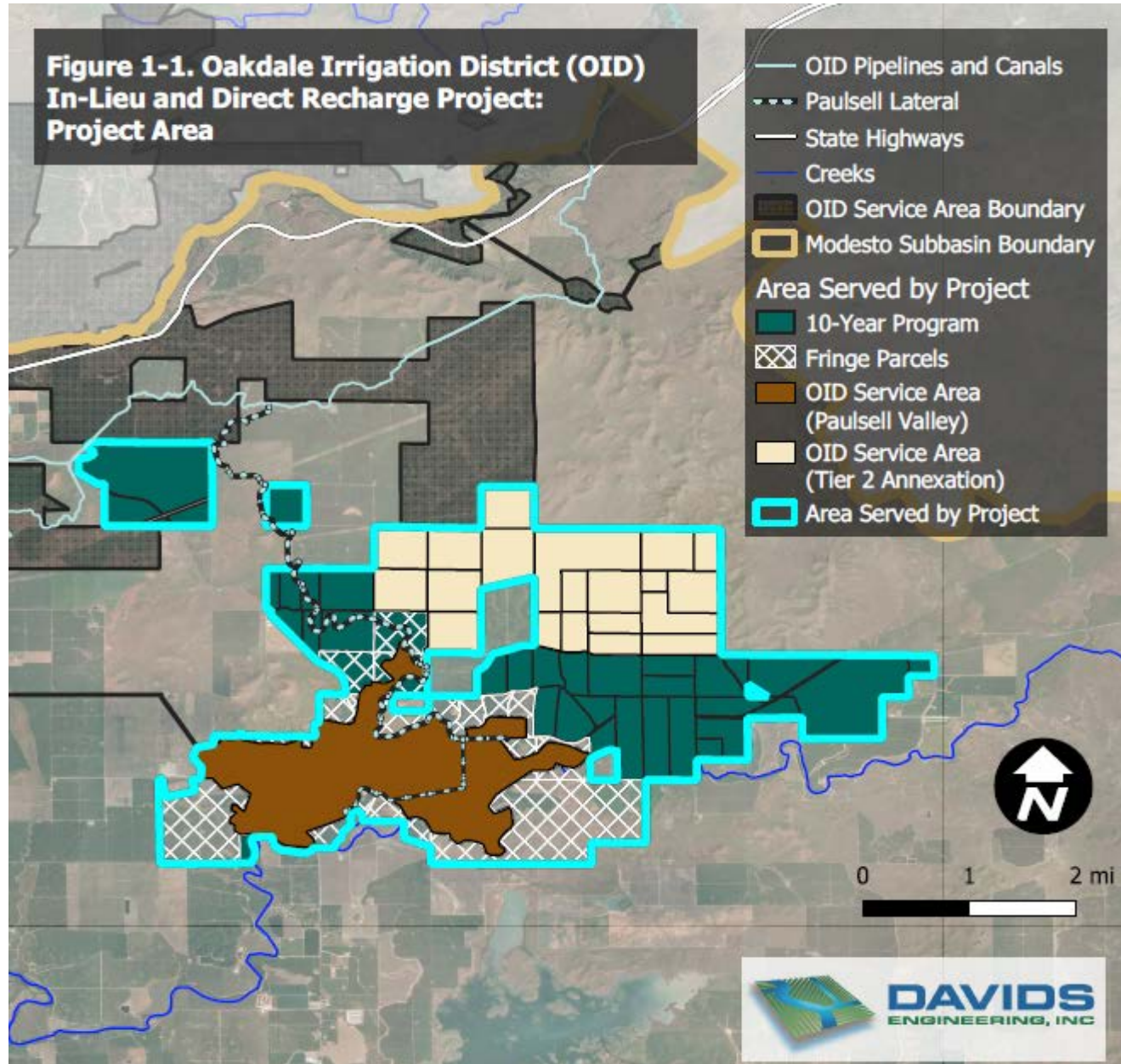
# SGM Implementation Round 2 Grant

- Up to \$200M available
  - Round 1 – 20 grants for \$150.5M in 2021
    - Only critically overdrafted subbasins
- High & medium priority subbasins eligible
- \$20M max award per subbasin
- 82 applications for \$795M total submitted
- Competitive process was expected
  - Partial funding likely
    - Prioritize projects/components
- Draft award list posted May 19, 2023
  - 31 grants for \$187M proposed
  - Final awards in August 2023
  - Contracts toward the end of 2023





# OID Paulsell Lateral Expansion Project – Grant Application vs Award



## Grant Application

- \$18.6M SGM Implementation Grant Application
- 10 miles of open ditch
- 4,600 acres potential in-District lands served
- 6,400 acres potential OOD lands served
- Increase capacity up to 180 cfs

## Draft Grant Award

- \$14.4M proposed to OID Paulsell Exp Project
  - 1 of 5 awards > \$10M
  - 2<sup>nd</sup> highest draft award
- 5.4 miles of open ditch
- 2,500 acres potential in-District lands served
- 1,600 acres potential OOD lands served
- Start construction Nov. 1, 2024
- Winter construction only (Nov. 1<sup>st</sup> – Feb. 28<sup>th</sup>)
- Project completion April 30, 2026

# OID Paulsell Lateral Expansion Grant – Construction Components

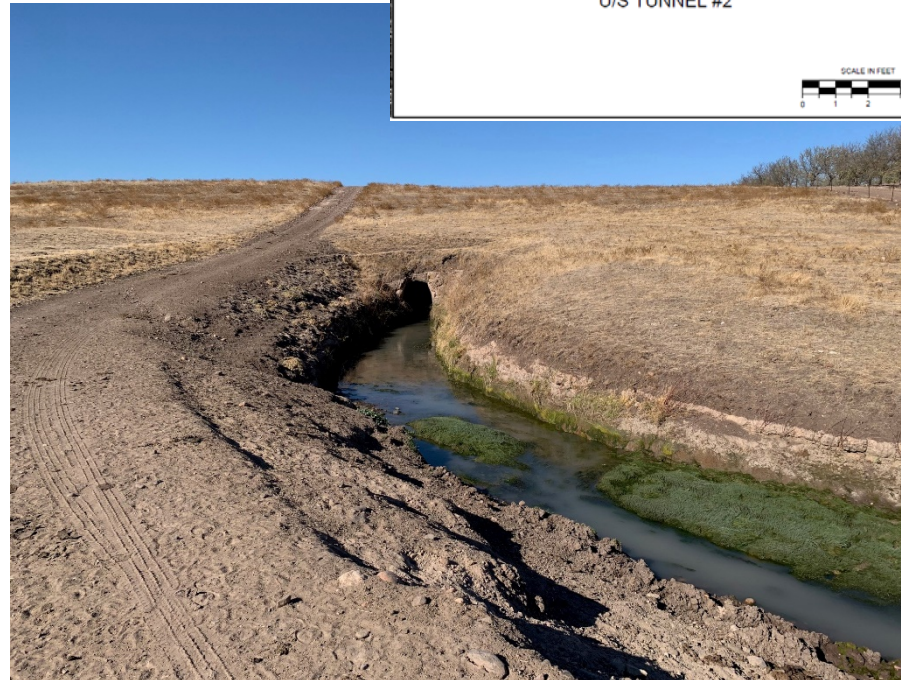
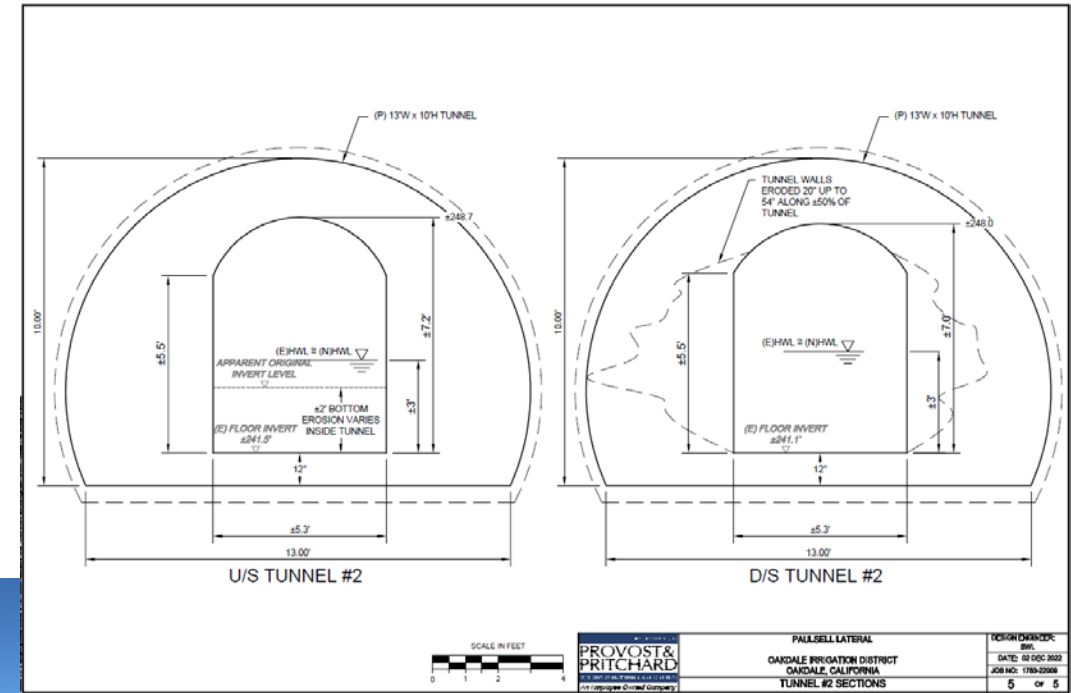
## Open Ditch Enlargement & Rehabilitation (5.4 miles)





# OLD Paulsell Lateral Expansion Grant – Construction Components

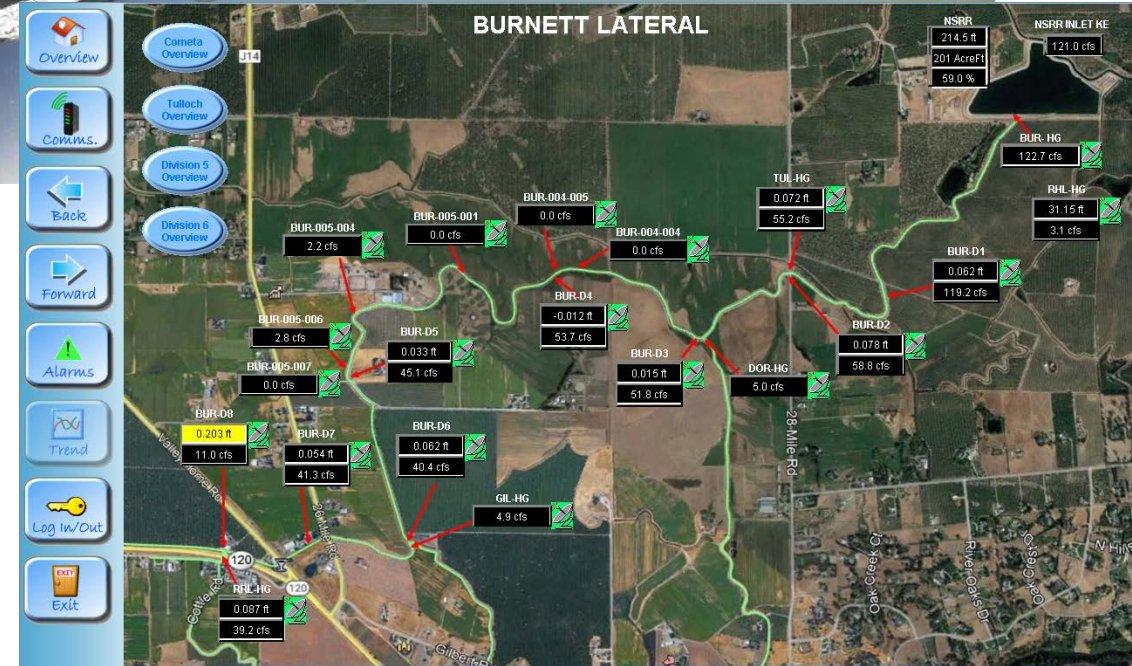
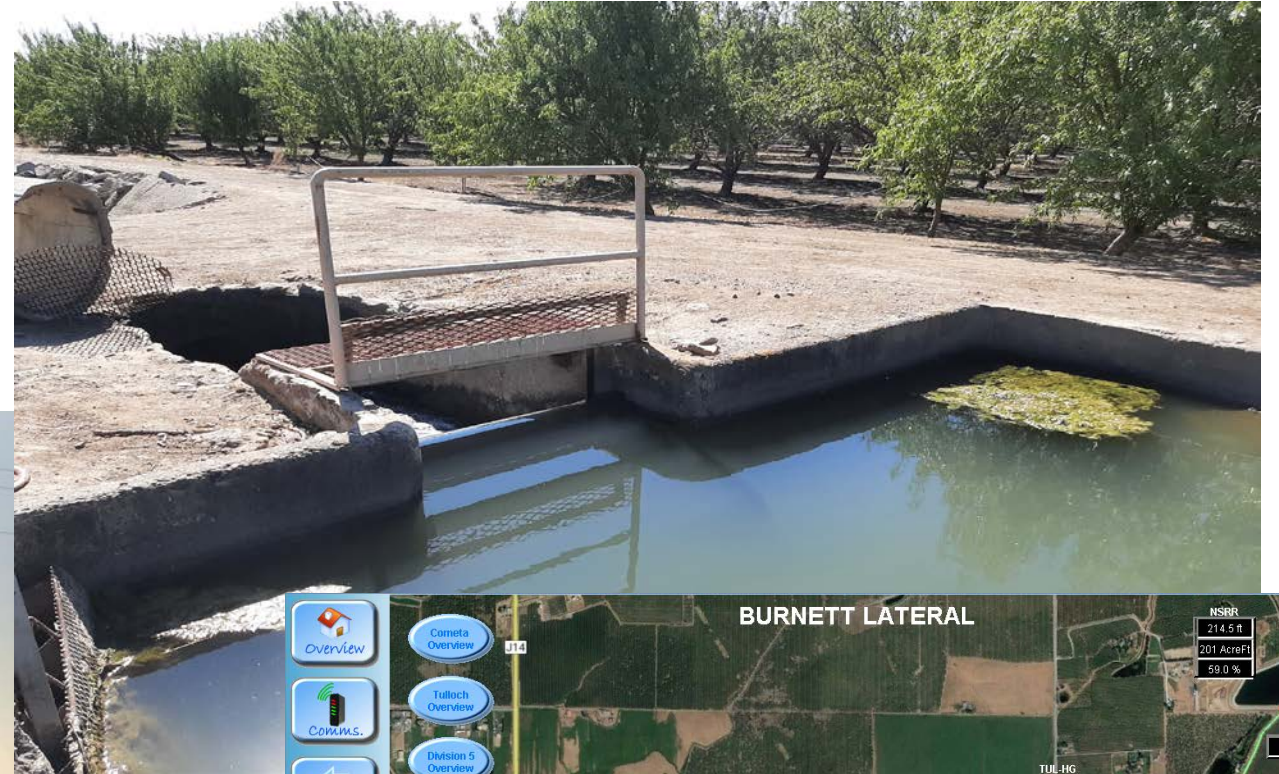
## Tunnel Enlargement & Stabilization (2 ea)





# OID Paulsell Lateral Expansion Grant – Construction Components

Check Structure (5 ea), Culvert Crossing (2 ea)  
Replacement and Lateral Automation







Thank you