

Vina Subbasin **Surface Water Supply Project**

Panel Discussion

March 25, 2025

Jenny Scheer

Water and Land Solutions, LLC



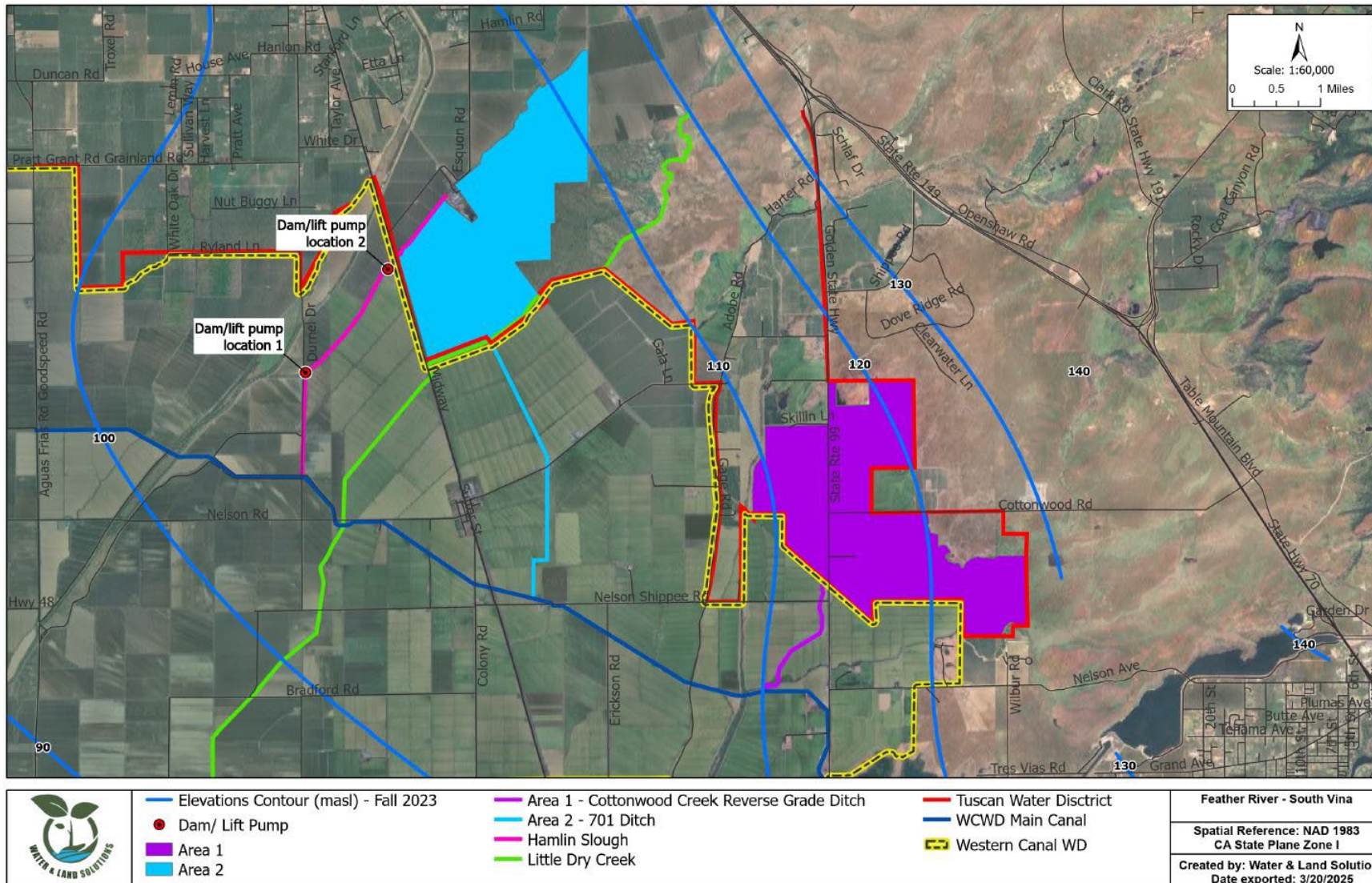
Project Timeline

- December 4, 2024 -- Butte County Water Commission selected 4 projects for fatal flaw analysis
- April 2, 2025 – Water Commission will recommend 2 projects to the Board of Supervisors to proceed to feasibility analysis
- May 13, 2025 -- Butte County Board of Supervisors will select 2 projects to proceed to feasibility analysis
- Feasibility analyses will be presented to the Water Commission this fall

Key Considerations

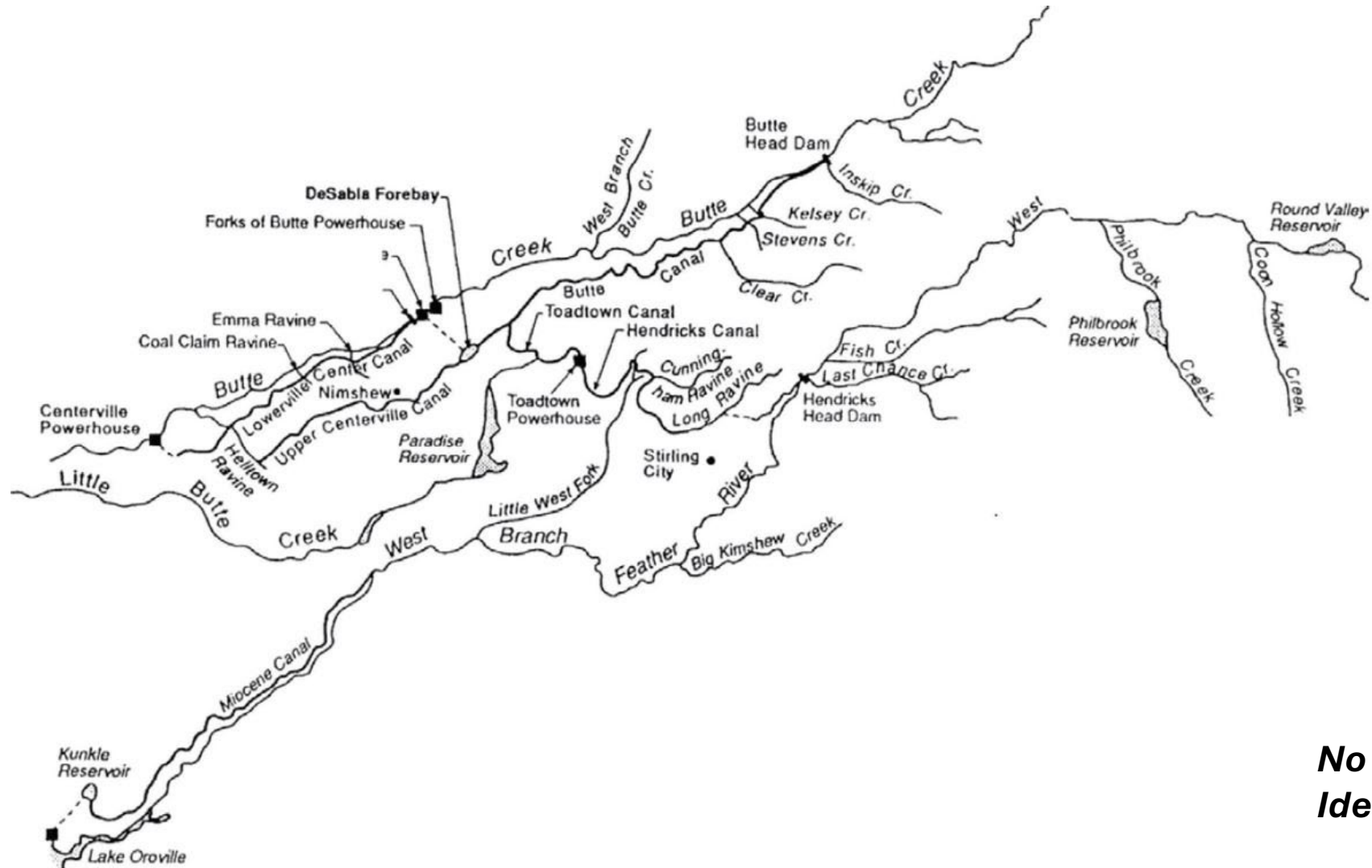
- 15,000-25,000 AF goal for surface water projects
- Each of the four projects would serve existing irrigated farmland with dual-source water to reduce groundwater pumping
- Any project would undergo environmental review prior to implementation
- Fatal flaw analysis considerations:
 - Water availability
 - Water right concerns
 - Legal and regulatory aspects
 - Environmental considerations
 - Sustainability goals
 - Costs and Funding options

Feather River – South Vina

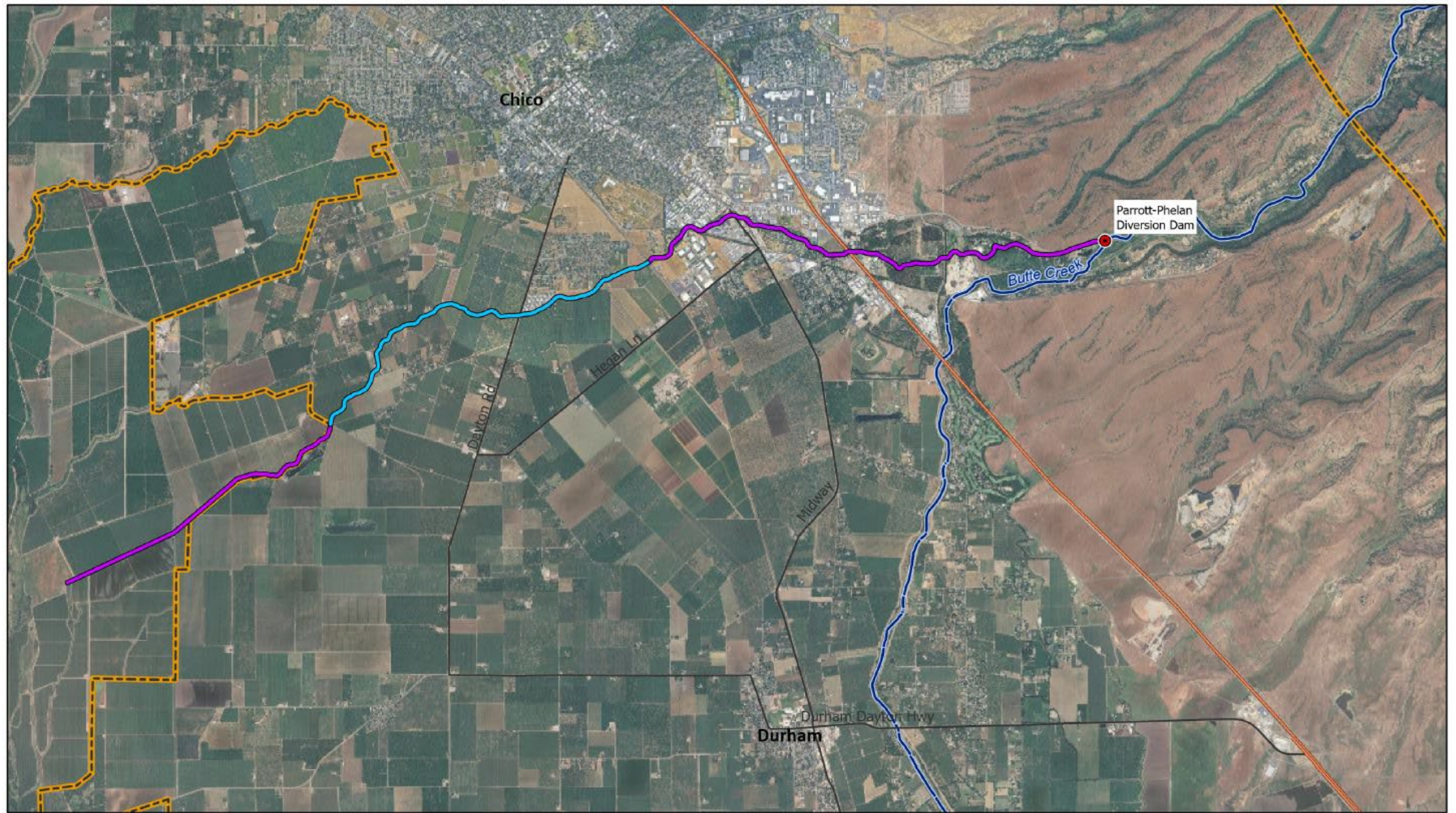


No Fatal Flaw Identified

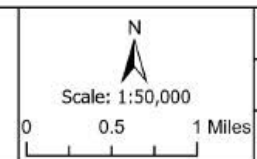
Ridge to Valley



**No Fatal Flaw
Identified**

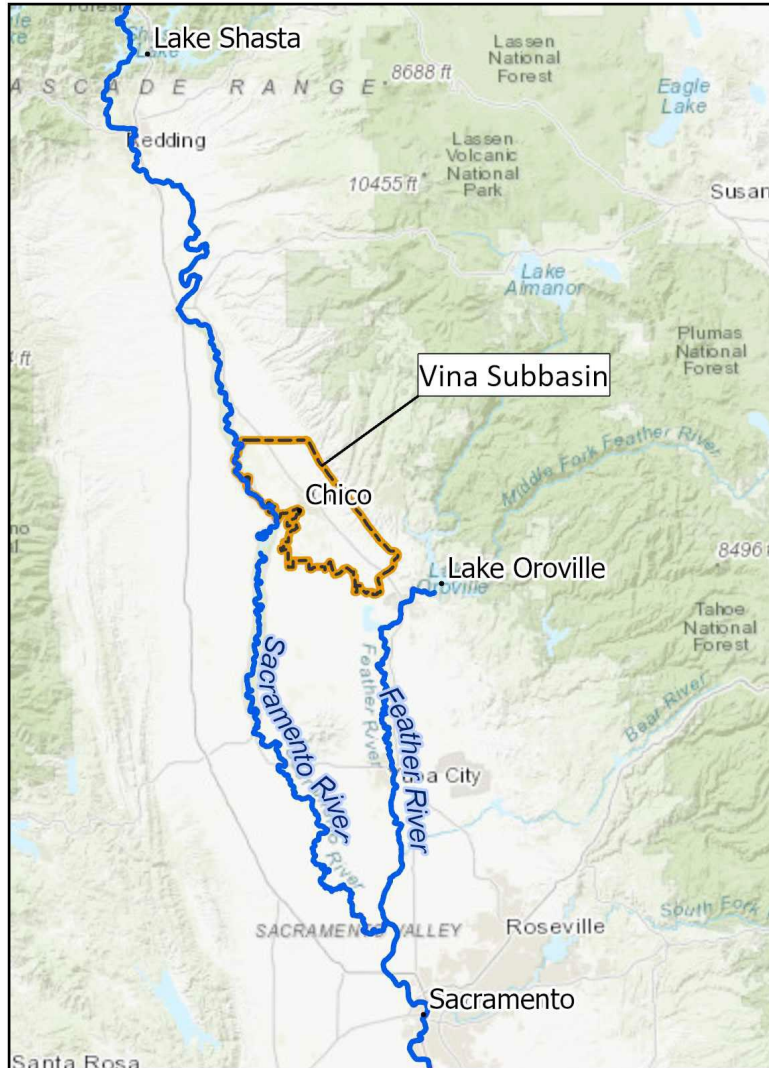


- Parrott-Phelan Canal
- Priority Area
- Parrott-Phelan Diversion Dam
- Vina Subbasin

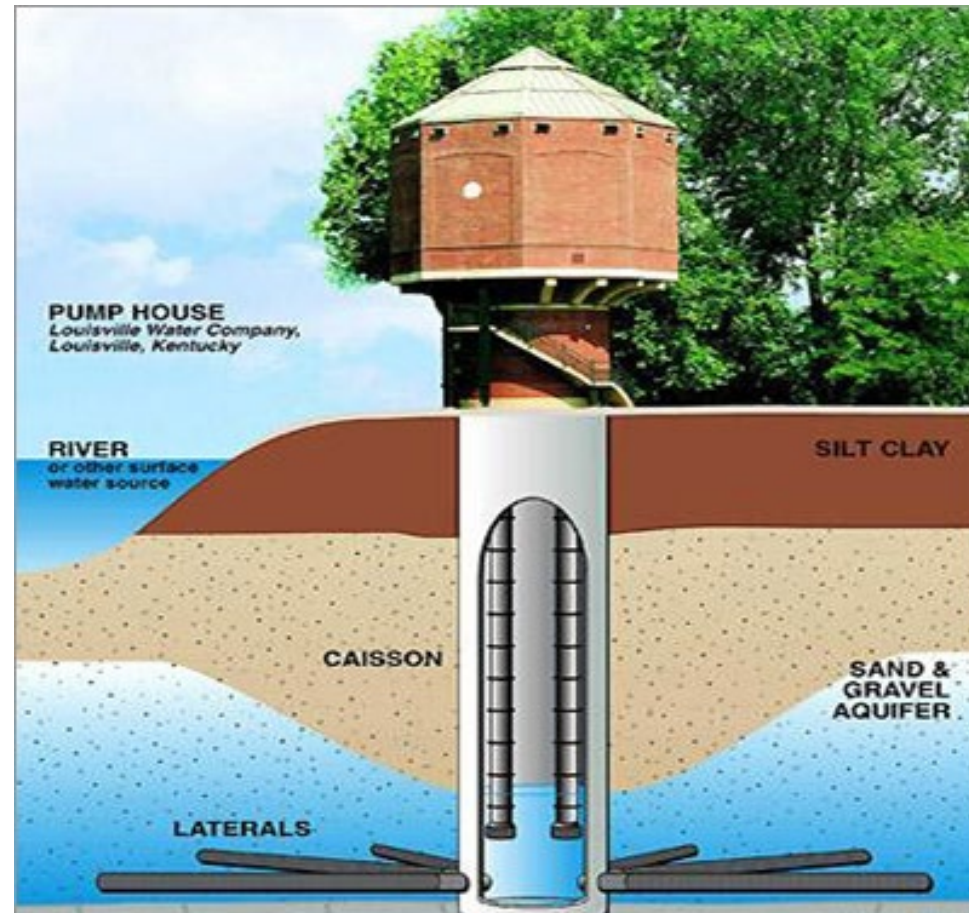


Spatial Reference: NAD 1983
CA State Plane Zone I
Created by: Water & Land Solutions
Date exported: 3/20/2025

Feather River -- Sacramento exchange



Radial well



No Fatal Flaw Identified

Feather River -- Butte Creek diversion



***Fatal Flaw
Identified***

Key Findings

Project Option	Cost Estimate	Fatal Flaw Findings
Feather River--South Vina extension	<\$5 million	No fatal flaw identified
Ridge to Valley	\$1-5 million	No fatal flaw identified
Feather River-- Sacramento River exchange	>\$15 million	No fatal flaw identified
Feather River--Butte Creek diversion	N/A	Fatal flaw identified