



## RECYCLED WATER FACILITIES

- Master Plan - Three Projects - Final EIR -

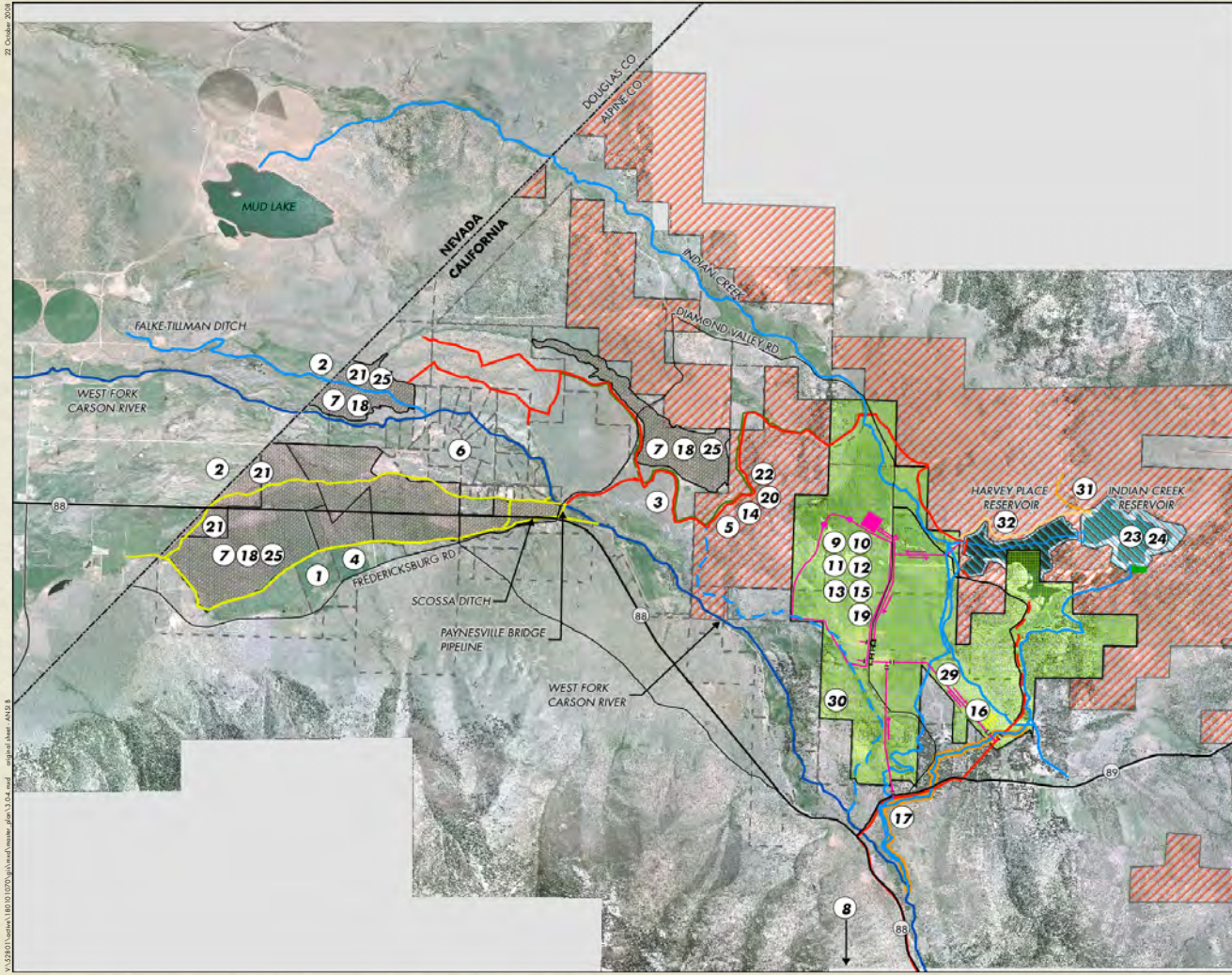
# Purpose of this Meeting

- Overview of the Master Plan
- Overview of the Three Projects
- Overview of the Final EIR



# Master Plan

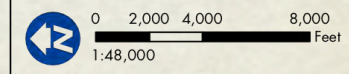
22 October 2008



## Proposed Master Plan Components (Alternative 2)

Figure No.: 3.0-4  
 Date: NOVEMBER 10, 2008  
 Client/Project: SOUTH TAHOE PUBLIC UTILITY DISTRICT  
 RECYCLED WATER FACILITIES MASTER PLAN  
 ADMINISTRATIVE E.I.R.

- WEST FORK OF THE CARSON RIVER
- RECYCLED WATER CONVEYANCE
- FRESHWATER CONVEYANCE
- FRESHWATER/RECYCLED WATER CONVEYANCE
- IRRIGATED LANDS
- DISTRICT OWNED LANDS
- DISTRICT EASEMENT AREA
- BUREAU OF LAND MANAGEMENT LANDS
- X COMPONENT NUMBER



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# Recycled Water Facilities Master Plan

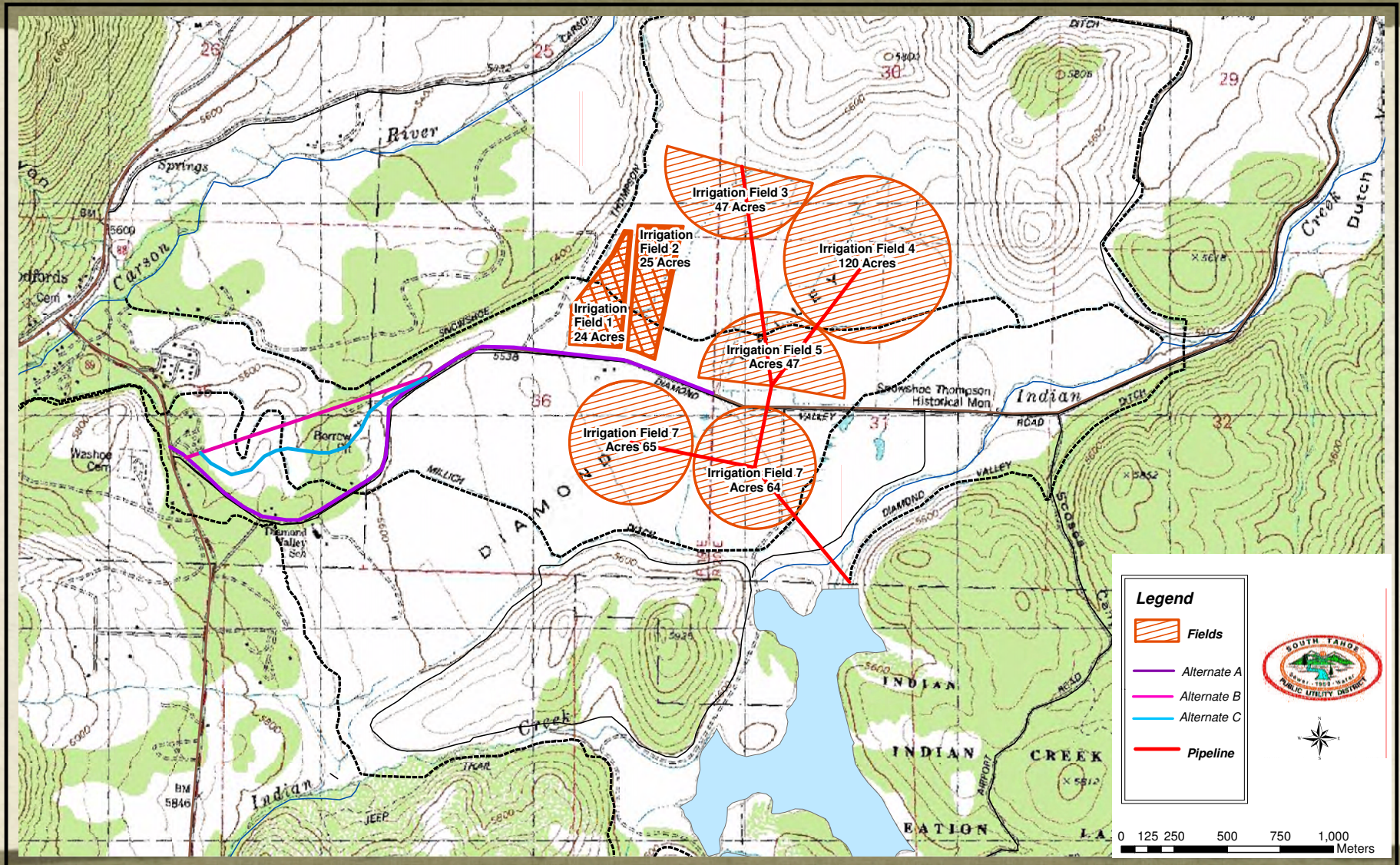
- 1 – Provide recycled water to new non-irrigated, permitted land
- 2 – Make recycled water available to irrigators in Nevada
- 3 – Capacity and conveyance improvements in the Diamond Ditch system
- 4 – Provide pressurized recycled water to the Fredericksburg system
- 5 – Provide pressurized recycled water through Wade Valley
- 6 – Provide pressurized recycled water to the Ranchettes
- 7 – Non-flood irrigation application system
- 8 – Improve recycled water quality
- 9 – Groundwater recharge using infiltration basins
- 10 – Construct zero-discharge basins
- 11 – Construct irrigation fields with pumping back to HPR
- 12 – Grow biomass crops for pulp production using recycled water
- 13 – Wetland sod and seed production
- 14 – Pipe recycled water systems to minimize setbacks and human contact
- 15 – Mitigation wetland creation using freshwater
- 16 – Subsurface recycled water irrigation in public contact of buffer areas
- 17 – Increase Snowshoe Thompson No. 1 conveyance capacity
- 18 – Optimize application rate on existing irrigated lands
- 19 – Pursue permitting of more land in Alpine County
- 20 – Improve operation of the Diamond Ditch system to meet District and user needs
- 21 – Develop tailwater control system
- 22 – Parallel recycled water pipeline along existing Diamond Ditch
- 23 – Route Mud Lake winter flows through ICR
- 24 – Transfer additional water rights to storage in ICR
- 29 – Irrigate the District Pasture
- 30 – Irrigate the Jungle with Recycled Water
- 31 – Divert Stormwater Flow away from HPR and to ICR
- 32 – ICR Spillway Channel

# Three Projects

- Component 11  
Construct irrigation fields with pumping back to HPR
- Component 18  
Optimize application rate on existing irrigated lands
- Component 19  
Pursue permitting of more land in Alpine County

# Three Projects

Recycle Water Irrigation Fields Study Area



# Final EIR

- 27 Comments received
- Responds to Comments
- Modifies Draft EIR  
(shown in legislative mode)



# Modifications

- Chapter 1 – Introduction
- Chapter 7 – Groundwater
- Chapter 11 – Biological Resources
- Chapter 13 – Air Quality
- Chapter 15 – Historical and Archaeological
- Appendix M – List of Migratory birds
- Appendix N – Project Analysis
- Appendix O – Comments
- Appendix P – Response to comments



# Mitigation Program

- Federal, State, and County requirements
- Standard District practices  
(35 measures)
- Mitigation that reduce impacts to a less than significant level  
(8 measures)

# Significant and Unavoidable Impacts

- Potential Geological Hazards associated with active faults
- Potential impacts to archaeological and historical resources

# Board Action

- Certification of the EIR
- Approval of the Recycled Water Facilities Master Plan
- Approval of the Three Projects



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