

Upper Truckee River Reach 5 Restoration and Utility Relocation Project

USDA Forest Service, LTBMU

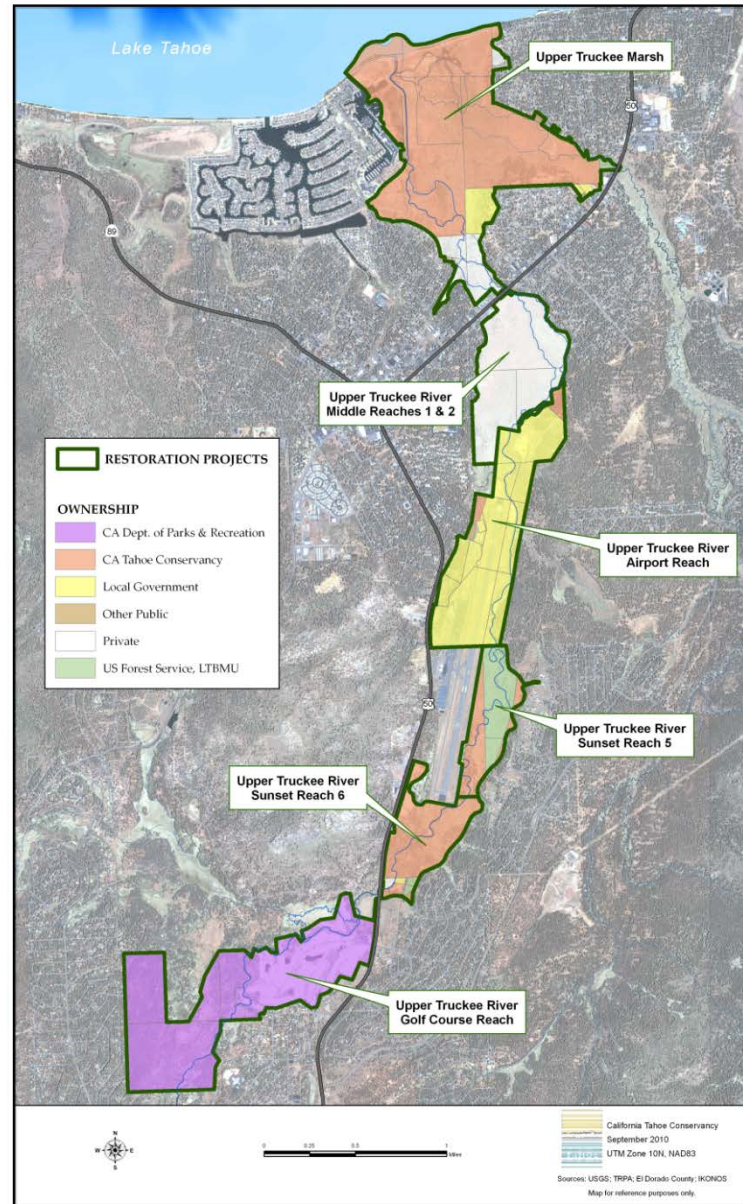
and

California Tahoe Conservancy



Upper Truckee River Watershed Advisory Group Projects

Upper Truckee River Restoration Projects



Relationship to TMDL and EIP

- The Lake Tahoe TMDL Implementation Plan emphasizes stream channel restoration in the Upper Truckee river to meet load reduction targets from stream channel erosion to achieve the Clarity standard.
- TMDL Plan also recognizes the significant broader ecosystem and habitat benefits from stream channel restoration.
- Is listed on the current 5 year list of priority EIP projects (#948) and is expected to contribute to multiple TRPA Threshold benefits
 - Water quality
 - Soil conservation
 - Vegetation preservation
 - Wildlife
 - Fisheries
 - Recreation

Project Goals and Objectives

- Restore properly functioning channel and floodplain configuration based on application of geomorphic principles
 - Decrease pollutant loading by reducing bank erosion , and increasing frequency, duration, and extent of overbank flows onto the floodplain.
 - Increase groundwater levels to increase duration and extent of plant available groundwater - improving riparian and wet meadow vegetation condition, and associated terrestrial habitat.
 - Improve aquatic habitat as measured by increased depth of pools during base flow conditions and percent shade.

Alternatives Evaluated, but not selected

- Restore existing channel in place
- Full channel reconstruction without constraints from existing utility infrastructure
- Partial channel reconstruction, partial restoration of channel in place

Extensive documentation of the comprehensive alternatives evaluation and design process is available on the LTBMU public website at: <http://www.fs.usda.gov/goto/ltbmu/UpperTruckeeRestoration>

