Steamboat Creek Restoration Feasibility Project:
One of Several Conceptual Designs

all aboard for Steamboat Creek

US Army Corps of Engineers®

Legend

- Channel Elevation/Bank Stabilization Zone
- New Excavated Channel
- New Riparian Floodplain

Feet

0 1,500 3,000

The U S Army Corps of Engineers under sponsorship by the Washoe-Storey Conservation District in conjunction with The University of Nevada, Reno and City of Reno are collaboratively conducting a large restoration feasibility study on Steamboat Creek from Clean Water Way to the confluence of the Truckee River. The proposed project on this 80-acre site is the active restoration of 1.1 miles of Steamboat Creek to a more naturally functional lotic riparian area. Currently, the creek is a straightened, incised channel. Incision up to 12 feet has caused destabilization of the banks, causing dehydration of the historic riparian floodplain and significant sediment pollution. This project is conceived to be a process-based restoration effort. The conceptual design for the new channel is a single threaded, low-gradient, meandering channel.

In an effort to reconnect this stream to a floodplain, the conceptual plan would be designed such that over-bank flooding will access a 1500-foot wide riparian floodway during periods of bankfull flow. Restoration will be accomplished by excavating a new channel and floodplain through the alfalfa fields to the west of the current creek.