

TRUCKEE MEADOWS FLOOD CONTROL PROJECT, NEVADA

17 December 2013

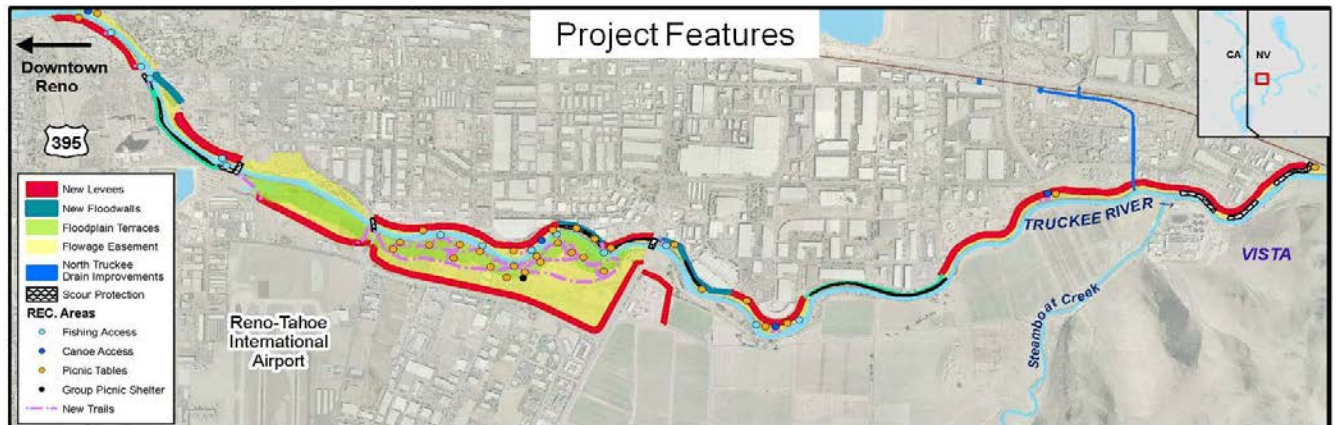


ABSTRACT: The Truckee Meadows Flood Control Project was authorized under the Water Resources Development Act 1988, but was deferred during the Pre-construction Engineering and Design phase when changes in real estate costs made the project economically infeasible. In 1996, local

communities requested that flooding problems in Truckee Meadows be reevaluated. The purpose of this reevaluation is to provide cost effective, environmentally-sensitive, and technically feasible flood risk management and related recreation for the Cities of Reno and Sparks, Nevada in Washoe County. The Truckee River Flood Management Authority (TRFMA) is the non-Federal sponsor. TRFMA is a joint powers authority for Washoe County and the cities of Reno and Sparks.

The Cities of Reno and Sparks have been inundated by flood flows from the Truckee River at least 14 times since 1861. The most recent significant flooding occurred in January 1997. This flood resulted from a combination of heavy, unseasonably warm rain and snowmelt runoff in the higher elevations. The 1997 flood is the event of record for the Truckee River and caused one loss of life and over \$700 million in flood-related damages. Much of the damage occurred in the industrial area of Sparks and at the Reno-Tahoe International Airport.

The recommended plan, which is also the National Economic Development plan, is focused on the Truckee Meadows reach, primarily within the City of Sparks. The primary features in the recommended plan include approximately 40,000 linear feet of new levees and floodwalls along the north and south banks of the Truckee River, a benched floodplain terrace on the south bank, flowage easements, scour protection, improvements to the North Truckee Drain, 50 individual picnic areas, 2 group picnic shelters, 17 fishing and boat access areas, and approximately 19,000 feet of paved and unpaved trails.



The estimated total first cost for the recommended plan is \$280,600,000 (October 2013 price levels). The Federal share is estimated at \$181,508,000 and the non-Federal share is estimated at \$99,092,000. Of this, \$268,672,000 is for flood risk management (Federal 65%, non-Federal 35%) and \$10,113,000 is for recreation (Federal 50%, non-Federal 50%). The non-Federal sponsors are responsible for operation, maintenance, repair, rehabilitation and replacement, at an estimated annual cost of \$862,000. Average annual flood risk reduction benefits are estimated at \$25,899,000. The recommended plan has an overall benefit-to-cost ratio of 1.3.

REPORT DOCUMENTATION: Pertinent documentation on the project, the results of the CWRB, and subsequent Washington-Level Review Actions, are linked below:

- CWRB Agenda
- [Project Map/Placemat](#)
- [Project Summary](#)
- [CWRB Briefing Slides](#)
- [CWRB Lessons Learned](#)
- CWRB Meeting Record
- State & Agency Review Comment Letters
- Documentation of Review Findings
- [Signed Chief of Engineers Report](#)
- [Advance Copy to Congressional Committees](#)
- ASA(CW) Memo to OMB
- OMB Response
- ASA(CW) Transmittal to Congress
- Signed Record of Decision
- Authorization

ADDITIONAL INFORMATION:

South Pacific Division

Sacramento District