



- Barrier Remediated
- Total Barrier
- Partial Barrier
- Not a Barrier
- Remediated, Fish Response Unconfirmed
- ▲ Natural Total Barrier
- ▲ Natural Partial Barrier
- ★ Screened Diversion
- ★ Unscreened Diversion
- Unknown Passage Status
- Unassessed



Site Name: Highway 299 Bridge

Stream Name: Hall Creek

Structure Owner: California Department of Transportation

Year Remediated: 2012

Site Type: Road crossing

Site Status After Remediation: Remediated, fish response unconfirmed

Species Benefited After Remediation: Steelhead

Immediate Downstream barrier PAD ID: 0

PAD ID: 716742

Tributary To: Mad River

Barrier Remediation By: CalTrans, Division of Environmental Analysis

Barrier Description Prior to Remediation: Temporal

Count of Barriers Downstream: 0

Count of Barriers Upstream: 1

Distance Upstream to Next Barrier or Limit of Anadromy : 7.66194 mi

*Site statistics based on December 2014 version of the Passage Assessment Database

Notes: In the Summer of 2012, the one ton RSP was removed and fishway was constructed in order to eliminate an elevation barrier at the confluence of Hall Creek and the Mad River near Blue Lake in Humboldt County. The constructed fishway is approximately 15' wide and 85' long with 10 vortex weirs. The weirs provide a water surface elevation differential of 7-9 inches between each cell. At the base of the fishway, a rock weir was constructed with large RSP and various smaller sized rocks, in order to maintain the proper water surface elevation differential to pass juvenile salmonids (approximately 8 inches). A large log with root wad was placed upstream of the Fishway outlet to provide scour protection if and when the thalweg of the Mad River moves towards the outlet of Hall Creek. On October 23, 2012 after the diversion was overtopped, juvenile salmonids were documented passing the lower 8 weirs of the fishway. Flows were estimated to be 2 cubic feet per second. Before (pre-remediation): Bridge with hardened invert that impedes passage was a temporal barrier per professional judgment by Ross Taylor and