

Manly Gulch Coho Access and Habitat Restoration Project

Monitoring Plan

Post-Construction Implementation Monitoring (Task 6)

As-Built Survey

MLA will prepare an as-built survey of critical constructed project elevations. The survey will include constructed channel longitudinal profile and up to 4 cross sections. The survey will be performed on the same datum as the design plans. The as-built survey will also include a red-line markup of the construction documents with any changes that occurred during construction.

A brief As-Built Memorandum will be prepared that provides a discussion of any differences between the construction documents and the as-built survey and potential concerns arising from the difference.

Post-Construction Fish Passage Monitoring

The project was designed using stable reference reaches and stream simulation methodologies (Part XII, CDFG, 2010). Post-construction monitoring will be conducted at two different flows during the fall/winter following construction to evaluate if the project flow depths and velocities are similar to the adjacent existing channel, per stream simulation guidelines.

To obtain flow depths, a channel thalweg and water surface profile will be surveyed through the project reach, including through the new bridge, as well as at one reference reach location. Flow velocities will be obtained with a wading-rod velocity meter approved by the USGS.

Collected data will be used to compare water depths and velocities to those measured in the reference reach. The evaluation will be documented in a brief Monitoring Memorandum.

Trout Unlimited will coordinate with project partners to fill out and submit the NOAA Restoration Center Fish Passage Barrier Removal Performance Measures and Monitoring Worksheet.