

- 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

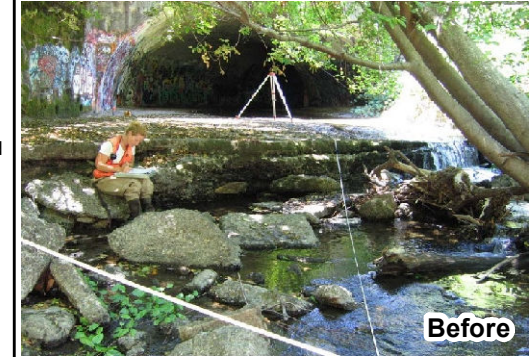


Photo Credit: Ross Taylor of RTA

Before



Photo Credit: Ross Taylor of RTA

After

*Site statistics based on June 2015 version of the Passage Assessment Database

Site Name: Center Blvd./Landsdale Ave.

Stream Name: San Anselmo Creek

Structure Owner: Town of San Anselmo

Year Remediated: 2012

Site Type: Road crossing

Site Status After Remediation: Remediated, fish response unconfirmed

Species Benefited After Remediation:

Immediate Downstream barrier PAD ID: 706091

PAD ID: 735341

Tributary To: Corte Madera Creek

Barrier Remediation By:

Barrier Description Prior to Remediation: Total

Count of Barriers Downstream: 3

Count of Barriers Upstream: 5

Distance Upstream to Next Barrier or Limit of Anadromy : 0.41327 Miles

Notes: Between late-June and mid-October of 2012, a series of sloped, vortex baffles within the crossing on the right-bank, a fishway at the outlet, and a downstream roughened riffle with a terminal boulder weir was constructed to improve fish passage. On June 9-10, 2014, Ross Taylor and Associates (RTA) completed a post-project channel profile, and it appears that the fish passage improvement project is functioning as intended. The 14 sloped vortex baffles inside the crossing are creating adequate water depths for fish migration (0.7 -1.0 ft measured on 10/24/12, 5/21/13); the fishway successfully eliminated the pre-project outlet drop; and the terminal boulder weir at the lower end of the project area appeared stable after two winters of elevated flows. The longevity of the modifications can only be accurately assessed over a period of many years, thus periodic inspection and evaluation is recommended. The Lansdale project's effect on Corte Madera Creek's steelhead population is uncertain; due primarily to two significant, untreated, downstream migration barriers at Saunders Avenue and the Army Corps flood control channel. There is a migration impediment at Pastori Avenue approximately, 2,300 feet upstream. No juvenile salmonids or resident trout were observed during the 2014 RTA post-project survey, only schools of roach. Before: Total barrier per FishXing Software conducted by RTA. RTA assessed this barrier for fish passage on July 8, 2005. The road crossing is a composite with the upper end = two-bay box culvert, and lower end = arch culvert w/flat floor. Both sections constructed of concrete. = 3.0-260.1 c.f.s.; resident/2+ = 2.0-67.3 c.f.s.; 1+/y-o-y = 1.0-29.3 c.f.s. Passage Evaluation: RED: as determined by the first-phase filter due to the nearly three-foot drop at the outlet.