

Alpine Creek Fish Passage Project

July 8, 2020

Project Overview

The purpose of this Project was to improve access for both adult and juvenile salmonids to over three miles of quality spawning and rearing habitat over the full range of fish passage design flows. The Project was necessary to correct passage conditions at Alpine Creek downstream of the Pescadero Creek Road that had been impacted by a Denil fish ladder and failing grade control structures downstream of the ladder. The objectives of this project were achieved by lowering the channel invert through the existing arch culvert; demolishing the existing non-functional Denil fish ladder and grouted rock weirs downstream; and reconstructing approximately 300 linear feet of channel at an approximate 4% grade downstream of the road crossing.

Start and End Dates

June 17 to October 15 2019

Project Metrics

This project restored three miles of habitat for fish like steelhead and coho salmon by modifying a culvert, removing a fish ladder and failing weirs, and reconstructing 425 feet of stream channel.

Total length of stream made accessible by removing blockage (miles): three miles of additional upstream habitat and approximately 10.75 miles of total connected habitat from the mouth of San Gregorio Creek to the next barrier on Alpine Creek

- Length of aquatic habitat disturbed: approximately 500 linear feet
- Area (footprint) of instream features installed within bank full channel (square feet): approximately 10,800 square feet
- Barriers removed: 1

Partners and Funders

San Mateo County

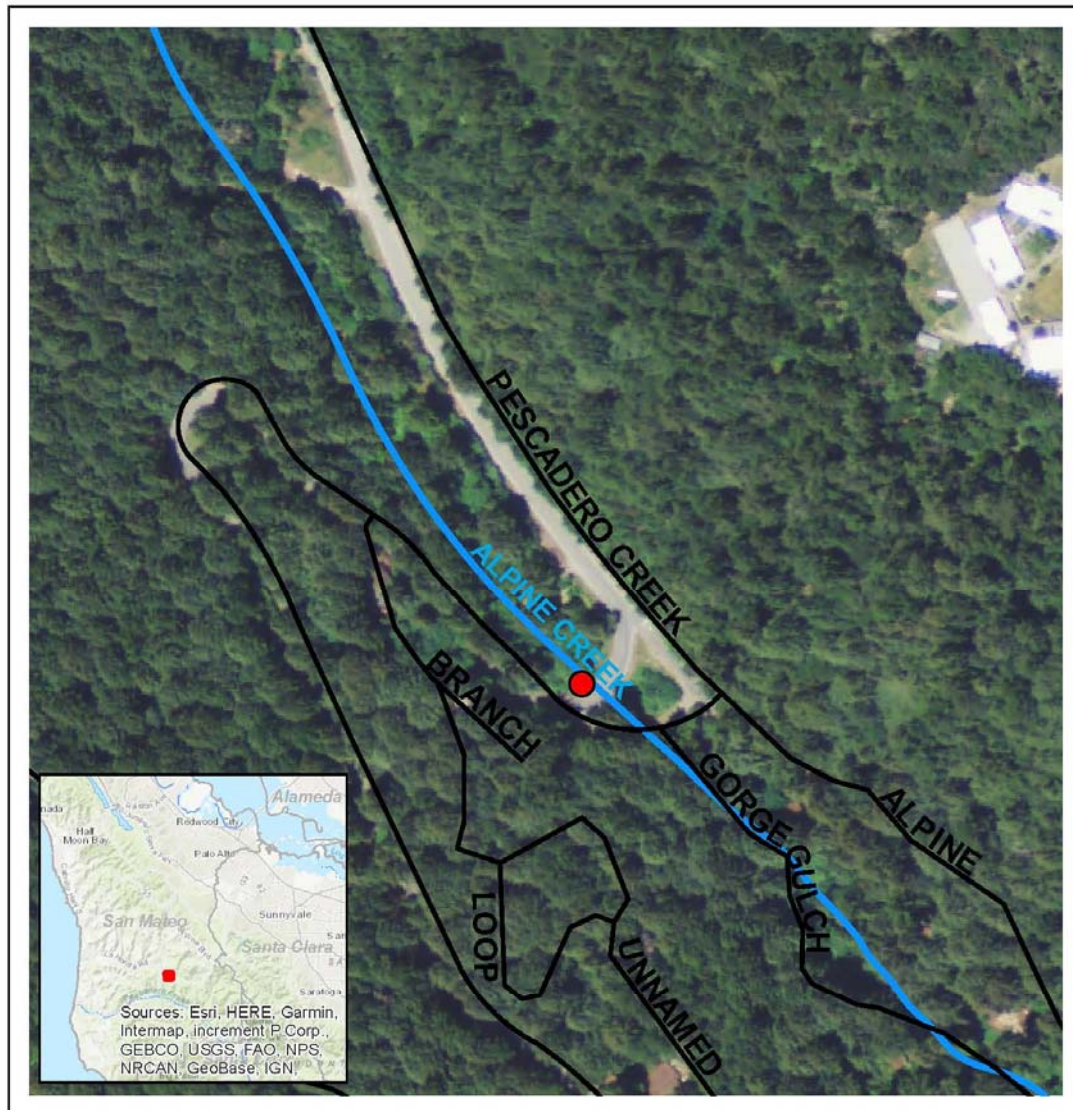
California Department of Fish and Wildlife, Fisheries Restoration Grant Program

California Coastal Conservancy

Project Location Map

Project Location

Alpine Creek Fish Passage Dam Removal Project



Coordinate System: California Albers
Projection: Albers
Datum: North American 1927
False Easting: 0.0000
False Northing: -4,000,000.0000
Central Meridian: -120.0000
Standard Parallel 1: 34.0000
Standard Parallel 2: 40.5000
Latitude Of Origin: 0.0000
Units: Meter

0 0.02 0.04 0.08 Miles



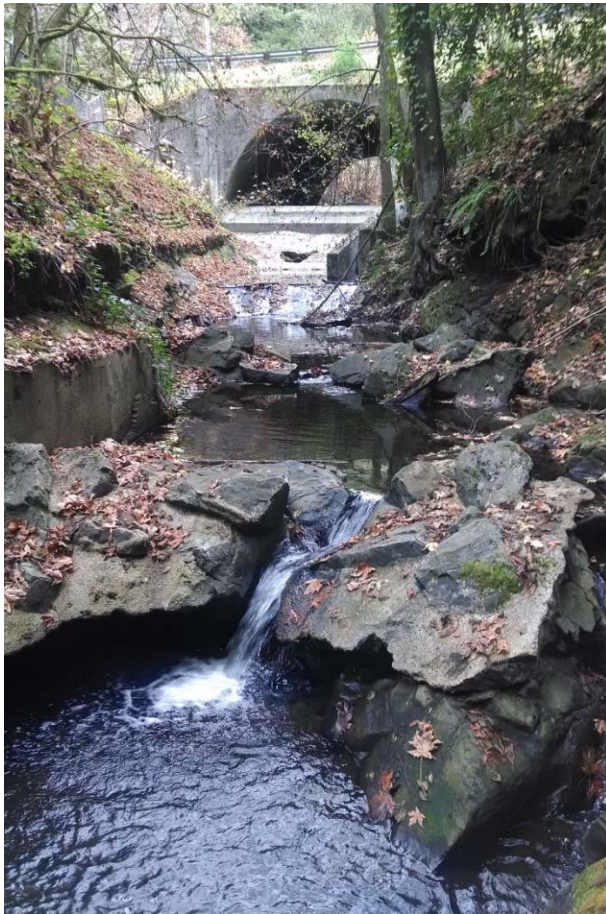
SAN MATEO
RESOURCE
CONSERVATION
DISTRICT



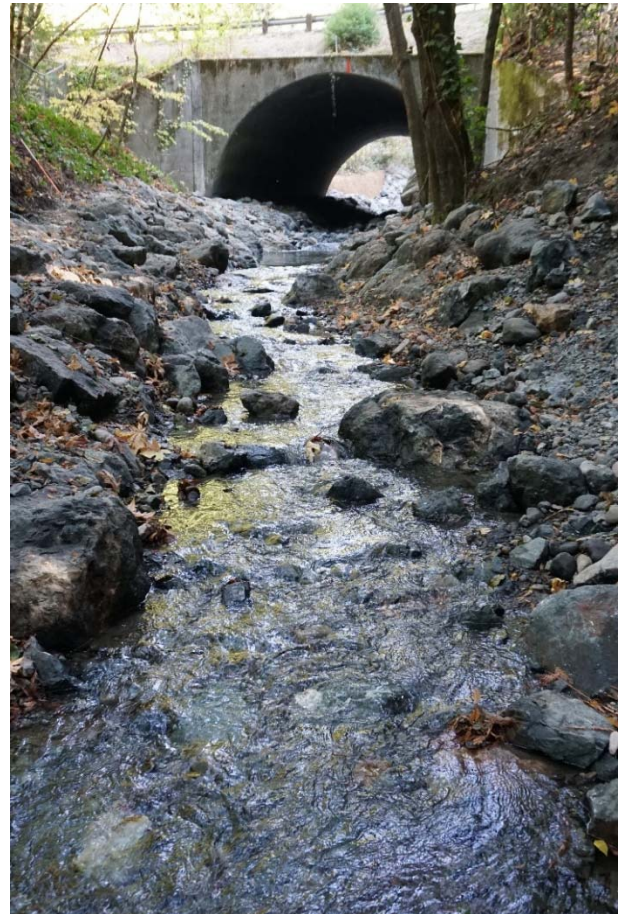
— STREAMS
— STREETS



Photos after construction of the 1970's denil ladder



Before barrier removal



After barrier removal