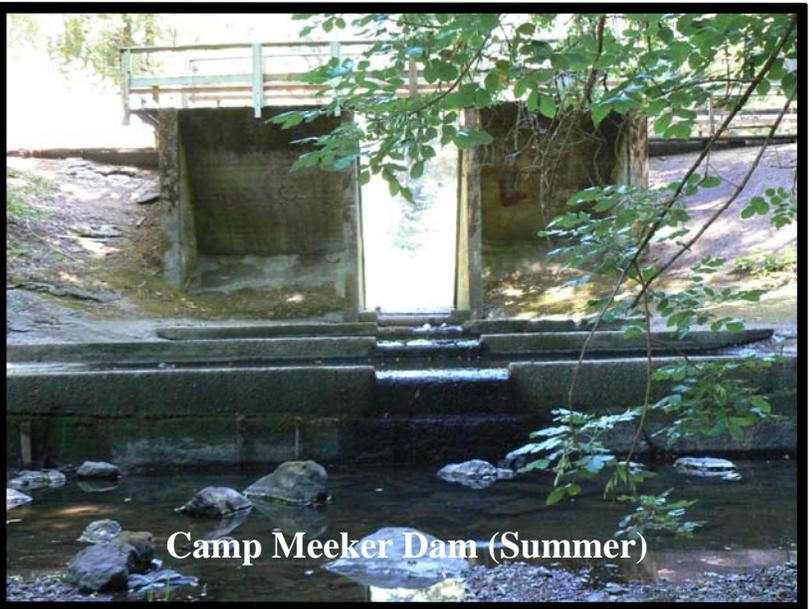




Market Street Culvert (Winter)



Camp Meeker Dam (Summer)

DUTCH BILL CREEK WATERSHED **Fish Barrier Elimination Program**

Project Description: This project brings together two separate elements (dam removal and culvert modification) into one project that will effectively eliminate all known total fish passage barriers on the mainstem of Dutch Bill Creek. Removal of the dam and construction of weirs inside the culvert will open up 17,800 linear feet (3.37 miles) of potential habitat for both coho salmon (*Onchorhynchus mykiss*) and steelhead trout (*Onchorhynchus kisutch*) by summer 2009.

Culvert Retrofit and Downstream Restoration:

The project will be accomplished by installing six rock weirs to raise the channel bed downstream of the culvert over a distance of 130'. The weirs will be spaced at intervals of twenty feet, with 1' profile drops. The weirs are designed to create step pool conditions. Each boulder weir will have a low flow notch 18" wide and 1' deep and will slope up at 10% toward the banks.

Dam Removal:

The dam and apron will be completely removed and the upstream channel will be re-graded to a more natural and stable slope. A gentle meander bend will be constructed with new habitat structures, such as woody debris and rock boulders, to allow for naturally sustaining biological and physical stream functioning. Biotechnical methods will be used to stabilize all disturbed banks. Removal of the dam will also allow for complete sediment continuity of valuable spawning gravels to downstream reaches.

Replacement of Footbridge:

The footbridge will be replaced so the community of Camp Meeker can access the recreation area and the Post Office without having to traverse a major highway.

Project Partners: Gold Ridge RCD, Camp Meeker Rec & Park, Dutch Bill Watershed Council, Streamline Engineering, Questa Engineering, and our generous funding agencies.

Project Budget: \$1,016,085.00 (Funding agencies include: NOAA Fisheries, CA Dept. of Fish and Game, State Coastal Conservancy, and US Fish and Wildlife Service, the National Fish and Wildlife Foundation, the National Association of Counties, and the County of Sonoma).

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