



State of California – Natural Resources Agency
DEPARTMENT OF FISH AND WILDLIFE
Bay Delta Region
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GAVIN NEWSOM, Governor
CHARLTON H. BONHAM, Director



June 3, 2020

Mr. Derek Rayner
City of Calistoga
414 Washington Street
Calistoga, CA 94515
drayner@ci.calistoga.ca.us

Habitat Restoration and Enhancement Act–Request for Approval, Request No. 1652-2020-037-001-R3, Pioneer Park Fish Passage Enhancement Project

Dear Mr. Rayner:

The California Department of Fish and Wildlife (CDFW) has reviewed your request to approve the Pioneer Park Fish Passage Enhancement Project (Project), dated March 30, 2020, pursuant to Fish and Game Code section 1652. CDFW has determined that your request includes all the information required in section 1652(b) and the Project meets all of the requirements in section 1652(c). Therefore, CDFW hereby approves your Project summarized below.

Project Location: The Project is located within the Napa River adjacent to Pioneer Park, located at 1308 Cedar Street in the City of Calistoga, Napa County. The Project is located at approximate Latitude 38.578 N, Longitude -122.581 W.

Project Description: The primary purpose of the Project is barrier removal, habitat improvement, and native plant restoration. The Project will mediate the limiting factors of fish passage. The species likely to benefit from this Project include, but are not limited to, California freshwater shrimp (CFS; *Syncaris pacifica*), steelhead (*Oncorhynchus mykiss*), chinook salmon (*Oncorhynchus tshawytscha*), Pacific lamprey (*Entoshenus tridetalus*), and river lamprey (*Lampetra ayresi*). California freshwater shrimp is an endangered species pursuant to the Endangered Species Act (ESA) (16 U.S.C. § 1531 et seq.) and the California Endangered Species Act (CESA) (Fish and Game Code, § 2050 et seq.) [See Cal. Code Regs., tit. 14, § 670.5, subd. (a)(1)(A)]. Steelhead is a threatened species pursuant to the ESA (16 U.S.C. § 1531 et seq.).

The Project includes the deconstruction and removal of an at grade in-channel concrete crossing that is accessible to the public via concrete steps and landings on both sides of the Napa River. The existing crossing consists of fifteen 15-inch diameter metal culverts encased in a 50-foot wide, 20-foot long, 6-foot deep concrete slab measuring 50 feet across the channel by 20 feet along the channel by 6 feet deep. An approximately 55-foot long iron handrail that runs along the downstream edge of the concrete crossing will also be removed. Approximately 100 tons of rip rap will be removed from the river left and right banks and will be revegetated with native riparian plantings. Coir biologists staked with willows and alders will also be installed along the river left and right bank to create overhanging

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refuge habitat for CFS. Demolition of the existing structure will create a void of approximately 190 cubic yards of streambed material. Approximately 25 feet of stream will be rebuilt with approximately 225 tons of engineered streambed material (i.e. sand, gravel, and cobble). The rebuilt channel profile will be an approximately 0.5% slope, creating a smooth topographic transition from downstream to upstream. Five 3-foot diameter boulder clusters will be installed within the low-flow channel to create hydraulic complexity through the reach. The Project also includes the construction of an approximately 110-foot long, 15-foot wide clear span pedestrian bridge just downstream from the existing concrete crossing. The bridge will be supported on concrete abutments founded on 30-inch diameter cast-in-drilled-hole (CIDH) pilings set approximately 10 feet from top of bank. The bottom of the bridge superstructure will be above the 100-year water surface elevation to provide unimpeded flows through the reach. To install the bridge, a dead 26-inch diameter at breast height (DBH) alder, a 10-inch DBH willow, and a 6-inch DBH white oak will need to be removed. Native trees will be planted on-site to compensate for their removal. The Project will improve habitat complexity and riparian habitat. Specifically, the Project will restore and enhance habitat for California freshwater shrimp.

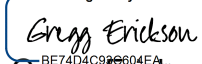
The Project will commence on or after June 1, 2020 and is expected to be completed by October 31, 2020, with a total of 50 working days. If work cannot be started and completed in 2020, it may be completed in 2021 with CDFW review and acceptance on work windows.

Monitoring and Reporting: You are responsible for meeting the monitoring and reporting requirements in section 1652. These include providing CDFW: 1) a notice of completion, no later than 30 days after the Project has been completed and in the manner prescribed by section 1652(e); and 2) a monitoring report that describes whether the Project is meeting each of the restoration goals stated in your request for habitat restoration or enhancement approval, as prescribed by section 1652(f).

This approval is in lieu of all CDFW permits and approvals that otherwise would be necessary for your Project, as described in your request. Please note that any material changes to the approved Project will require a separate approval. You are also responsible to obtain any other necessary approvals from local, state, or federal agencies.

If you have any questions or require further assistance, please contact Mr. Garrett Allen, Environmental Scientist, at garrett.allen@wildlife.ca.gov; or Ms. Karen Weiss, Senior Environmental Scientist (Supervisory), at karen.weiss@wildlife.ca.gov.

Sincerely,

DocuSigned by:

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Gregg Erickson
Regional Manager
Bay Delta Region

ec: Wendy Bogdan, General Counsel
CDFW Office of the General Counsel
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