

**Howerton Dock Project. Project Mitigation Monitoring and Reporting Program  
Initial Study, IS 20-107**

Potential Impact	Mitigation Measure	Implementation Responsibility	Monitoring & Reporting Responsibility	Timing	Date Implemented
<b>BIOLOGICAL RESOURCES</b>					
<p>Potential to impact Biological Resources</p>	<p>A Biological Impact Review was prepared by NCRM (October 2020). The project area was described as having approximately 1,200 square feet of shoreline categorized as wetland habitat along the perimeter of the property where construction activities are proposed. The only species anticipated to be potentially impacted by the project would be aquatic, as the impacts will be from driving piles in Clear Lake. Implementation of Mitigation Measure BIO-1 will reduce potential impacts to Clear Lake hitch to less than significant.</p> <p>NCRM reports that Clear Lake hitch are known to breed in the northwest portion of the lake. The closest known spawning grounds to the project site are Rodman Slough (3.1 miles), Adobe Creek (3.7 miles), Kelsey Creek (6.3 miles), and Cole Creek (6.5 miles). The project does not pose a threat to spawning grounds considering there are no major tributaries adjacent to the project site. The project may pose treat to larvae and juvenile life stage if they congregate along the shoreline in and adjacent to tules.</p> <p>Adult hitch are typically found in the limnetic zone of Clear Lake; therefore, the project is unlikely to affect adult hitch. The typical hitch spawning season is mid-February through May, thus NCRM predicts that juveniles will not occupy shallow habitat before February 15th. Hitch juveniles may remain inshore for upwards of 80 days post downstream migrations. Potential exists for this project to have a direct impact on juvenile hitch, as the rushes serve as refuge from predators. NCRM recommends that restricting the construction season from November 1st to January 31st may help mitigate the direct potential impact from pile driving.</p> <p>Project timing is the CDFW preferred method of avoiding potential impacts to the Clear Lake Hitch. When projects are undertaken between October 15 and December 31, no impact to Clear Lake hitch is anticipated. Prior to commencement of construction, a Lakebed Alteration Agreement shall be obtained from the California Department of Fish and Wildlife. All the conditions of such permit shall be adhered to throughout the course of the project to reduce the impact to a less than significant level.</p> <p><b><u>Mitigation Measures:</u></b></p>	Applicant	Applicant	During Construction	

	<b>BIO-1: Work along the lakeshore shall be restricted to between October 15 and January 31 to avoid impacts to Clear Lake hitch.</b>				
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