

Table 7.3.3.10: Actions to Enhance Habitat Complexity and Connectivity in Lagunitas Creek and its Tributaries

Stressor	Management Objective(s)	Actions	Implementing Parties	Completion Dates and Notes
<p>Habitat degradation as a result of incision of Lagunitas Creek and its tributaries.</p>	<p>Enhance channel habitat complexity and connectivity as needed to support self-sustaining populations of coho salmon and steelhead and to enhance the overall health of the native fish community.</p> <p>Reduce rates of sediment delivery (associated with incision and accelerated bank erosion) to channels by 67 percent in Lagunitas and San Geronimo creeks and by 33 percent in tributaries to both streams.</p>	<p>1. Develop and implement plans to enhance large woody debris loading and restore natural rates of recruitment to channels, as needed to achieve numeric targets for large woody debris loading (Table 1) and to achieve load allocations for sediment (Tables 3a and 3b). The above plan will include a survey to quantify baseline values for large woody debris loading.</p> <p>2. Develop detailed technical studies to characterize reach-specific opportunities and priorities for floodplain restoration.</p>	<p>Along San Geronimo Creek and its tributaries, local government agencies or non-profits in partnership with reach-based landowner stewardships will develop and implement projects to enhance habitat complexity and connectivity.</p> <p>Elsewhere in the Lagunitas Creek watershed, the Marin Municipal Water District will pursue partnerships to develop and implement projects to enhance habitat complexity and connectivity.</p>	<p>Targets for large woody debris loading will be achieved within 10 years of Basin Plan amendment adoption.</p> <p>Technical studies to characterize reach specific opportunities and priorities for floodplain restoration will be completed within 5 years of Basin Plan amendment adoption.</p> <p>Comply with conditions of Clean Water Act section 401 certifications in the implementation of projects to enhance large woody debris loading and recruitment.</p>