

2011 FRGP PSN - San Francisco Bay steelhead tasks addendum

Task ID	CalWater Id	Range	Unit	Area	General Category	Specific Task
SF-24	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Fish Passage	Assess and prioritize steelhead migrational barriers.
SF-24	2204.3	San Francisco Bay	South Bay	Alameda Creek	Fish Passage	Assess and prioritize steelhead migrational barriers.
SF-24	2206.5	San Francisco Bay	San Pablo	Napa River	Fish Passage	Assess and prioritize steelhead migrational barriers.
SF-24	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Fish Passage	Assess and prioritize steelhead migrational barriers.
SF-25	2204.3	San Francisco Bay	South Bay	Alameda Creek	Fish Passage	Assess, design, and install screens at points of diversion.
SF-25	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Fish Passage	Assess, design, and install screens at points of diversion.
SF-26	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Fish Passage	Design passage projects for prioritized steelhead migrational barriers.
SF-27	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Fish Passage	Remediate prioritized steelhead migrational barriers.
SF-28	2204.3	San Francisco Bay	South Bay	Alameda Creek	Monitoring	Monitor baseline genetics of residential trout (landlocked steelhead) throughout the watershed and continue monitoring once the barriers to anadromy are removed from the flood control channel.
SF-29	2204.3	San Francisco Bay	South Bay	Alameda Creek	Monitoring	Monitor the status and trend of the steelhead population once the barriers to anadromy are removed from the flood control channel.
SF-30	2204.3	San Francisco Bay	South Bay	Alameda Creek	Riparian Vegetation	Protect, enhance, and/or restore riparian vegetation.
SF-30	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Riparian Vegetation	Protect, enhance, and/or restore riparian vegetation.
SF-31	2204.3	San Francisco Bay	South Bay	Alameda Creek	Riparian Vegetation	Remove or reduce and control non-native invasive plant species.
SF-31	2206.5	San Francisco Bay	San Pablo	Napa River	Riparian Vegetation	Remove or reduce and control non-native invasive plant species.
SF-31	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Riparian Vegetation	Remove or reduce and control non-native invasive plant species.
SF-31	2206.4	San Francisco Bay	San Pablo	Sonoma Creek	Riparian Vegetation	Remove or reduce and control non-native invasive plant species.
SF-32	2204.3	San Francisco Bay	South Bay	Alameda Creek	Sediment	Assess and prioritize sediment sources and implement erosion control projects (e.g. streambank and upslope).
SF-32	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Sediment	Assess and prioritize sediment sources and implement erosion control projects (e.g. streambank and upslope).
SF-33	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Stream Complexity	Enhance stream habitat complexity.
SF-34	2204.3	San Francisco Bay	South Bay	Alameda Creek	Stream Complexity	Implement measures to physically isolate gravel quarries from the stream and reduce water loss to the quarries.
SF-35	2204.3	San Francisco Bay	South Bay	Alameda Creek	Stream Complexity	Restore floodplain connectivity throughout the watershed and increase riffle, run and habitat complexity where appropriate.
SF-36	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Stream Flow	Develop guidelines for maintaining instream flows to protect fishery resources downstream from water diversions.
SF-36	2204.3	San Francisco Bay	South Bay	Alameda Creek	Stream Flow	Develop guidelines for maintaining instream flows to protect fishery resources downstream from water diversions.
SF-36	2206.5	San Francisco Bay	San Pablo	Napa River	Stream Flow	Develop guidelines for maintaining instream flows to protect fishery resources downstream from water diversions.
SF-36	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Stream Flow	Develop guidelines for maintaining instream flows to protect fishery resources downstream from water diversions.
SF-36	2206.4	San Francisco Bay	San Pablo	Sonoma Creek	Stream Flow	Develop guidelines for maintaining instream flows to protect fishery resources downstream from water diversions.
SF-37	2206.5	San Francisco Bay	San Pablo	Napa River	Stream Flow	Enhance summer base flows and implement BMP's to increase ground water storage and improve water quality in surface waters.
SF-37	2206.4	San Francisco Bay	San Pablo	Sonoma Creek	Stream Flow	Enhance summer base flows and implement BMP's to increase ground water storage and improve water quality in surface waters.
SF-38	2204.3	San Francisco Bay	South Bay	Alameda Creek	Stream Flow	Enhance the flows throughout the year for all life history stages of steelhead and implement BMP's for groundwater storage.
SF-38	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Stream Flow	Enhance the flows throughout the year for all life history stages of steelhead and implement BMP's for groundwater storage.
SF-39	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Stream Flow	Implement BMP's to increase groundwater storage and improve water quality in surface waters.

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Task ID	CalWater Id	Range	Unit	Area	General Category	Specific Task
SF-40	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Water Conservation	Assess, plan, design, and implement water conservation techniques and applications to reduce water diversions from the creeks during the spring, summer, and fall seasons (e.g. rooftop water catchment projects on residential, business and school properties).
SF-40	2204.3	San Francisco Bay	South Bay	Alameda Creek	Water Conservation	Assess, plan, design, and implement water conservation techniques and applications to reduce water diversions from the creeks during the spring, summer, and fall seasons (e.g. rooftop water catchment projects on residential, business and school properties).
SF-40	2206.5	San Francisco Bay	San Pablo	Napa River	Water Conservation	Assess, plan, design, and implement water conservation techniques and applications to reduce water diversions from the creeks during the spring, summer, and fall seasons (e.g. rooftop water catchment projects on residential, business and school properties).
SF-40	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Water Conservation	Assess, plan, design, and implement water conservation techniques and applications to reduce water diversions from the creeks during the spring, summer, and fall seasons (e.g. rooftop water catchment projects on residential, business and school properties).
SF-40	2206.4	San Francisco Bay	San Pablo	Sonoma Creek	Water Conservation	Assess, plan, design, and implement water conservation techniques and applications to reduce water diversions from the creeks during the spring, summer, and fall seasons (e.g. rooftop water catchment projects on residential, business and school properties).
SF-41	2204.3	San Francisco Bay	South Bay	Alameda Creek	Water Rights	Install stream flow gages.
SF-42	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Water Rights	Protest water rights applications unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SF-42	2204.3	San Francisco Bay	South Bay	Alameda Creek	Water Rights	Protest water rights applications unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SF-42	2206.5	San Francisco Bay	San Pablo	Napa River	Water Rights	Protest water rights applications unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SF-42	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Water Rights	Protest water rights applications unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SF-42	2206.4	San Francisco Bay	San Pablo	Sonoma Creek	Water Rights	Protest water rights applications unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SF-43	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Water Rights	Review existing water rights and acquire or purchase water rights for the protection of steelhead.
SF-43	2204.3	San Francisco Bay	South Bay	Alameda Creek	Water Rights	Review existing water rights and acquire or purchase water rights for the protection of steelhead.
SF-43	2206.5	San Francisco Bay	San Pablo	Napa River	Water Rights	Review existing water rights and acquire or purchase water rights for the protection of steelhead.
SF-43	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Water Rights	Review existing water rights and acquire or purchase water rights for the protection of steelhead.
SF-43	2206.4	San Francisco Bay	San Pablo	Sonoma Creek	Water Rights	Review existing water rights and acquire or purchase water rights for the protection of steelhead.

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Task ID	CalWater Id	Range	Unit	Area	General Category	Specific Task
SF-44	2204.3	San Francisco Bay	South Bay	Alameda Creek	Watershed Planning	Assess, plan, design and implement measures to supplement/jumpstart the steelhead population once barriers to anadromy are removed in the flood control channel.
SF-45	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Watershed Planning	Develop or update watershed assessment and/or restoration plans.
SF-45	2204.3	San Francisco Bay	South Bay	Alameda Creek	Watershed Planning	Develop or update watershed assessment and/or restoration plans.
SF-45	2206.5	San Francisco Bay	San Pablo	Napa River	Watershed Planning	Develop or update watershed assessment and/or restoration plans.
SF-45	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Watershed Planning	Develop or update watershed assessment and/or restoration plans.
SF-45	2206.4	San Francisco Bay	San Pablo	Sonoma Creek	Watershed Planning	Develop or update watershed assessment and/or restoration plans.
SF-46	2203.2	San Francisco Bay	Bay Bridges	San Rafael	Watershed Restoration	Implement high priority projects identified in final watershed plans or stream habitat reports approved by DFG.
SF-46	2204.3	San Francisco Bay	South Bay	Alameda Creek	Watershed Restoration	Implement high priority projects identified in watershed plans or DFG approved habitat stream survey reports.
SF-46	2206.5	San Francisco Bay	San Pablo	Napa River	Watershed Restoration	Implement high priority projects identified in final watershed plans or stream habitat reports approved by DFG.
SF-46	2205.5	San Francisco Bay	Santa Clara	Palo Alto	Watershed Restoration	Implement high priority projects identified in watershed plans or DFG approved habitat stream survey reports.
SF-46	2206.4	San Francisco Bay	San Pablo	Sonoma Creek	Watershed Restoration	Implement high priority projects identified in final watershed plans or stream habitat reports approved by DFG.