

2010 CDFG STEELHEAD TROUT MANAGEMENT TASKS ADDENDUM SAN FRANCISCO BAY STEELHEAD STREAMS

System	Task #
BB-CMC	San Francisco Bay - BAY BRIDGES - San Rafael - Corte Madera Creek Watershed
	FISH PASSAGE
BB-CMC	1 Task: Assess and prioritize steelhead migration barriers.
BB-CMC	2 Task: Design passage projects for prioritized steelhead migration barriers).
BB-CMC	3 Task: Remediate prioritized steelhead migration barriers.
	RIPARIAN RESTORATION
BB-CMC	4 Task: Protect riparian vegetation.
BB-CMC	5 Task: Enhance riparian vegetation.
BB-CMC	6 Task: Restore riparian vegetation.
BB-CMC	7 Task: Remove and control non-native, invasive species (i.e., Arundo donax, Himalayan Blackberry).
BB-CMC	8 Task: Reduce and control non-native, invasive species (i.e., Arundo donax, Himalayan Blackberry).
	SEDIMENT
BB-CMC	9 Task: Assess and prioritize sediment sources.
BB-CMC	10 Task: Implement prioritized erosion control projects (i.e., stream bank stabilization, upslope erosion control).
	STREAM COMPLEXITY
BB-CMC	11 Task: Restore natural stream complexity (i.e., increase pool depth, shelter, flow, floodplain connection, backwaters, side channels and LWD recruitment).
	STREAM FLOW
BB-CMC	12 Task: Enhance summer base flows.
BB-CMC	13 Task: Implement BMPs to increase ground water storage and improve water quality in surface waters.
	WATERSHED RESTORATION
	14 Task: Implement high priority projects identified in final watershed plans or stream habitat reports approved by DFG.
	WATERSHED PLANNING
BB-CMC	15 Task: Develop or update watershed and assessment and restoration plans.
	WATER RIGHTS
BB-CMC	16 Task: Review existing water rights and acquire or purchase water rights for the protection of steelhead.
	17 Task: Develop guidelines for maintaining instream flows to protect fisheries resources downstream of water diversions. Protest water right applicator unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
BB-CMC	
	WATER CONSERVATION
BB-CMC	18 Task: Assess, plan, design and implement water conservation techniques and applications to reduce water diversions from the creek especially during the spring, summer and fall seasons (i.e., rooftop water catchment projects on residential, business, and school properties).

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System	Task #
SP-SCW	San Francisco Bay - SAN PABLO - Sonoma Creek Watershed
	FISH PASSAGE
SP-SCW	1 Task: Assess, design and remediate steelhead migration barriers (implement priority projects).
	RIPARIAN RESTORATION
SP-SCW	2 Task: Protect, enhance, and/or restore riparian vegetation.
SP-SCW	3 Task: Remove or reduce and control non-native, invasive species (i.e., Arundo donax, Himalayan Blackberry).
	SEDIMENT
SP-SCW	4 Task: Assess and prioritize sediment sources and implement erosion control projects (i.e., stream bank stabilization, upslope erosion control).
	STREAM COMPLEXITY
SP-SCW	5 Task: Restore natural stream complexity (e.g., increase pool depth, shelter, flow, floodplain connection, backwaters, side channels and LWD recruitment).
	STREAM FLOW
SP-SCW	6 Task: Enhance summer base flows and implement BMPs increase ground water storage and improve water quality in surface waters.
	WATERSHED RESTORATION
SP-SCW	7 Task: Implement high priority projects identified in watershed plans or DFG approved habitat stream reports.
	WATERSHED PLANNING
SP-SCW	8 Task: Develop or update watershed and assessment and restoration plans.
	WATER RIGHTS
SP-SCW	9 Task: Review existing water rights and acquire or purchase water rights for the protection of steelhead.
SP-SCW	10 Task: Develop guidelines for maintaining instream flows to protect fisheries resources downstream of water diversions. Protect water right applications unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
	WATER CONSERVATION
SP-SCW	11 Task: Assess, plan, design and implement water conservation techniques and applications to reduce water diversions from the creek especially during the spring, summer and fall seasons (i.e., rooftop water catchment projects on residential, business, and school properties).

2010 CDFG STEELHEAD TROUT MANAGEMENT TASKS ADDENDUM SAN FRANCISCO BAY STEELHEAD STREAMS

System	Task #
SB-NR	San Francisco Bay - SAN PABLO - Napa River Watershed
	FISH PASSAGE
SB-NR	1 Task: Assess, design and remediate steelhead migration barriers (implement priority projects).
	RIPARIAN RESTORATION
SB-NR	2 Task: Protect, enhance, and/or restore riparian vegetation.
SB-NR	3 Task: Remove or reduce and control non-native, invasive species (i.e., Arundo donax, Himalayan Blackberry).
	SEDIMENT
SB-NR	4 Task: Assess and prioritize sediment sources and implement erosion control projects (i.e., stream bank stabilization, upslope erosion control).
	STREAM COMPLEXITY
SB-NR	5 Task: Restore natural stream complexity (e.g., increase pool depth, shelter, flow, floodplain connection, backwaters, side channels and LWD recruitment).
	STREAM FLOW
SB-NR	6 Task: Enhance summer base flows and implement BMPs increase ground water storage and improve water quality in surface waters.
	WATERSHED RESTORATION
SB-NR	7 Task: Implement high priority projects identified in watershed plans or DFG approved habitat stream reports.
	WATERSHED PLANNING
SB-NR	8 Task: Develop or update watershed and assessment and restoration plans.
	WATER RIGHTS
SB-NR	9 Task: Review existing water rights and acquire or purchase water rights for the protection of steelhead.
	10
SB-NR	Task: Develop guidelines for maintaining instream flows to protect fisheries resources downstream of water diversions. Protect water right applicator unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
	WATER CONSERVATION
SB-NR	11 Task: Assess, plan, design and implement water conservation techniques and applications to reduce water diversions from the creek especially during the spring, summer and fall seasons (i.e., rooftop water catchment projects on residential, business, and school properties).

2010 CDFG STEELHEAD TROUT MANAGEMENT TASKS ADDENDUM SAN FRANCISCO BAY STEELHEAD STREAMS

System	Task #	
SB-AC		San Francisco Bay - SOUTH BAY - Alameda Creek Watershed
		FISH PASSAGE
SB-AC	1	Task: Assess, design, and remediate passage at steelhead migration barriers (implement priority projects).
SB-AC	2	Task: Assess, design, and install screens at points of diversion.
		RIPARIAN RESTORATION
SB-AC	3	Task: Protect, enhance, and/or restore riparian vegetation.
SB-AC	4	Task: Remove or reduce and control non-native, invasive species (i.e., <i>Arundo donax</i> , Himalayan Blackberry).
		SEDIMENT
SB-AC	5	Task: Assess and prioritize sediment sources and implement erosion control projects (i.e., stream bank stabilization, upslope erosion control).
		STREAM COMPLEXITY
SB-AC	6	Task: Restore floodplain connectivity throughout the watershed, and increase riffle, run, and habitat complexity where appropriate.
SB-AC	7	Task: Implement measures to physically isolate gravel quarries from the stream and reduce water loss to the quarries.
		STREAM FLOW
SB-AC	8	Task: Enhance flows throughout the year for all life history stages of steelhead and implement BMPs to increase ground water storage.
	9	Task: Develop guidelines for maintaining instream flows to protect fisheries resources downstream of water diversions. Protest water right applicator unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SB-AC		WATERSHED RESTORATION
SB-AC	10	Task: Implement high priority projects identified in watershed plans or DFG approved habitat stream reports.
		WATERSHED PLANNING
SB-AC	11	Task: Develop or update watershed and assessment and restoration plans.
SB-AC	12	Task: Assess, plan, design and implement measures to supplement / jumpstart the steelhead population once barriers to anadromy are removed in the flood control channel (by 2010 or 2011).
		WATER RIGHTS
SB-AC	13	Task: Review existing water rights and acquire or purchase water rights for the protection of steelhead.
	14	Task: Develop guidelines for maintaining instream flows to protect fisheries resources downstream of water diversions. Protest water right applicator unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SB-AC	15	Task: Install flow gages.
		WATER CONSERVATION
SB-AC	16	Task: Assess, plan, design and implement water conservation techniques and applications to reduce water diversions from the creek especially during the spring, summer and fall seasons (i.e., rooftop water catchment projects on residential, business, and school properties).
		MONITORING WATERSHED RESTORATION
SB-AC	17	Task: Monitor baseline genetics of resident trout / land-locked steelhead and throughout the watershed and continue monitoring once barriers to anadromy are removed in the flood control channel (by 2010 or 2011). (NOTE: This task ties in with Watershed Planning and Cooperative Rearing Tasks.)
	18	Task: Monitor the status and trend of the steelhead population once barriers to anadromy are removed in the flood control channel (by 2010 or 2011).

2010 CDFG STEELHEAD TROUT MANAGEMENT TASKS ADDENDUM SAN FRANCISCO BAY STEELHEAD STREAMS

System	Task #
SB-SFC	San Francisco Bay - SOUTH BAY - San Francisquito Creek Watershed
	FISH PASSAGE
SB-SFC	1 Task: Assess, design and remediate steelhead migration barriers (implement priority projects).
SB-SFC	2 Task: Assess, design, and install screens at points of diversion.
	RIPARIAN RESTORATION
SB-SFC	3 Task: Protect, enhance, and/or restore riparian vegetation.
SB-SFC	4 Task: Remove or reduce and control non-native, invasive species (i.e., Arundo donax, Himalayan Blackberry).
	SEDIMENT
SB-SFC	5 Task: Assess and prioritize sediment sources and implement erosion control projects (i.e., stream bank stabilization, upslope erosion control).
	STREAM COMPLEXITY
SB-SFC	6 Task: Enhance stream habitat complexity.
	STREAM FLOW
SB-SFC	7 Task: Enhance flows throughout the year for all life history stages of steelhead and implement BMPs to increase ground water storage.
	8
	Task: Develop guidelines for maintaining instream flows to protect fisheries resources downstream of water diversions. Protest water right applicator unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SB-SFC	
	WATERSHED RESTORATION
SB-SFC	9 Task: Implement high priority projects identified in watershed plans or DFG approved habitat stream reports.
	WATERSHED PLANNING
SB-SFC	10 Task: Develop or update watershed and assessment and restoration plans.
	WATER RIGHTS
SB-SFC	11 Task: Review existing water rights and acquire or purchase water rights for the protection of steelhead.
	12
	Task: Develop guidelines for maintaining instream flows to protect fisheries resources downstream of water diversions. Protest water right applicator unless sufficient bypass flows are established that enhance natural stream and estuarine functions and protect steelhead and other aquatic species.
SB-SFC	
	WATER CONSERVATION
SB-SFC	13 Task: Assess, plan, design and implement water conservation techniques and applications to reduce water diversions from the creek especially during the spring, summer and fall seasons (i.e., rooftop water catchment projects on residential, business, and school properties).