

## Coho Salmon Recovery Tasks

"High Priority" tasks have a Level of "E" or "D" and a Priority of 4 or 5 for the SONCC ESU or a Priority of 3, 4 or 5 for the CCC ESU.

"Deleted" tasks are retained for historical reference but are no longer being used.

Level	Description
C	Tasks included in Task Level C contribute to stated recovery criteria or goals or will likely result in the delay of recovery if not implemented.
D	Task Level D includes tasks that contribute directly to the stated recovery criteria or goals or must be implemented if recovery criteria or goals are to be achieved.
E	Task Level E is the highest level. These tasks must be implemented rapidly or early in the coho salmon recovery process because they are critical to coho salmon recovery or they must precede tasks included in levels D and C
U	Task Level is undefined

Priority	Description
1	LOW
2	MEDIUM LOW
3	MEDIUM
4	MEDIUM HIGH
5	HIGH

### BIG BASIN

## Coho Salmon Recovery Tasks

**Id:** BB-HU-01      **ESU:** CCC      **Level:** E      **Priority:**

**Task:** Continue to operate MBSTP Kingfisher Flat Hatchery as a conservation hatchery, following the guidelines of the Department and NOAA Fisheries.

6

**Id:** BB-HU-02      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Provide education and training on water diversion practices to facilitate compliance.

6

**Id:** BB-HU-03      **ESU:** CCC      **Level:** E      **Priority:**

**Task:** Assess and prioritize culverts to provide coho salmon passage within the range of coho salmon, and to pass expected high flow debris loads (e.g. mobilized LWD).

6

**Id:** BB-HU-04      **ESU:** CCC      **Level:** D      **Priority:**

**Task:** Allocate adequate resources to prioritize and upgrade culverts providing coho salmon passage within the range of coho salmon and to pass expected high flow debris loads (e.g. mobilized LWD).

6

**Id:** BB-HU-05      **ESU:** CCC      **Level:** E      **Priority:**

**Task:** Develop and apply bypass stream flow requirements on all existing and future structures in streams inhabited by coho salmon.

6

**Id:** BB-HU-06      **ESU:** CCC      **Level:** D      **Priority:**

**Task:** Implement the highest priority restoration projects in the watershed plans that address coho salmon habitat. Adjust on-going efforts based on results.

6

**Id:** BB-HU-07      **ESU:** CCC      **Level:** D      **Priority:**

**Task:** Complete a broad conjunctive use feasibility study focusing on creative ways of managing existing surface and groundwater resources in Santa Cruz County, with the intent to increase base flow at critical times.

6

**Id:** BB-HU-08      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Develop a lagoon management plan that addresses the needs of coho salmon.

6

**Id:** BB-HU-09      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Implement the lagoon management plan that addresses the needs of coho salmon.

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## Coho Salmon Recovery Tasks

### BIG BASIN - Santa Cruz - Aptos-Soquel

**Id:** BB-AP-01      **ESU:** CCC      **Level:** E      **Priority:** 3      **High Priority**

**Task:** Implement elements of the Soquel Creek Watershed Assessment and Enhancement Project Plan that are consistent with the coho salmon recovery strategy. Specifically focusing on preservation of base flow, restoration of flood plains, improvements to coho salmon passage, BMPs to reduce sedimentation of instream habitat.

**Id:** BB-AP-02      **ESU:** CCC      **Level:** E      **Priority:** 3      **High Priority**

**Task:** Maintain year round instream flows for coho salmon by amendments to the adjudication, water conservation, shallow recharge opportunities, shallow-well gauging, deep-well gauging, stream-gauging, self-monitoring of diversions, and conjunctive water management for recovery of groundwater levels.

## Coho Salmon Recovery Tasks

### BIG BASIN - Santa Cruz - Davenport

**Id:** BB-DA-01      **ESU:** CCC      **Level:** E      **Priority:** 5      **High Priority**

**Task:** Work with the SWRCB to develop and enforce stream flow bypass requirements for diversions in Waddell Creek, mainstem Scott Creek, Big Creek, Mill Creek, and San Vicente Creek.

**Id:** BB-DA-02      **ESU:** CCC      **Level:** E      **Priority:** 5      **High Priority**

**Task:** Petition the SWRCB to declare Scott Creek and San Vicente Creek fully appropriated during summer and fall months.

**Id:** BB-DA-03      **ESU:** CCC      **Level:** D      **Priority:** 5      **High Priority**

**Task:** Improve riparian vegetation by implementing established BMPs designed to reduce bank erosion, temperature, and removal of LWD; also include livestock fencing where needed, reclamation or reconstruction of flood plains, and active revegetation (this recommendation applies especially to Scott Creek).

**Id:** BB-DA-04      **ESU:** CCC      **Level:** C      **Priority:** 5

**Task:** Reduce sediment from road erosion using established BMPs (this recommendation applies especially to Scott Creek).

**Id:** BB-DA-05      **ESU:** CCC      **Level:** C      **Priority:** 5

**Task:** Investigate suspect log jams in Waddell Creek to determine if passage issues for coho salmon exist and should be modified if absolutely necessary.

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**Task:** Develop a log-jam management plan.

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**Task:** Develop stream flow bypass requirements for diversions on the mainstem San Vicente and Mill creeks.

**Id:** BB-DA-08      **ESU:** CCC      **Level:** D      **Priority:** 5      **High Priority**

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**Id:** BB-DA-09      **ESU:** CCC      **Level:** D      **Priority:** 5      **High Priority**

**Task:** Enforce stream flow bypass requirements for diversions on the mainstem San Vicente and Mill creeks.

## Coho Salmon Recovery Tasks

### BIG BASIN - Santa Cruz - San Lorenzo

**Id:** BB-SL-01      **ESU:** CCC      **Level:** C      **Priority:** 3

**Task:** Reduce sediment from road erosion using established BMPs accounting for public safety standards; this applies especially to San Lorenzo River.

**Id:** BB-SL-02      **ESU:** CCC      **Level:** E      **Priority:** 3

**High Priority**

**Task:** Develop and enforce stream flow bypass requirements for diversions in the San Lorenzo River and its tributaries Zayante, Fall, Bear, Boulder, and Branciforte creeks.

**Id:** BB-SL-03      **ESU:** CCC      **Level:** D      **Priority:** 3

**High Priority**

**Task:** Evaluate the Felton Diversion Dam for impacts to coho salmon.

**Id:** BB-SL-04      **ESU:** CCC      **Level:** C      **Priority:** 3

**Task:** Improve adult coho salmon passage at locations named in the San Lorenzo River Enhancement Plan, the Santa Cruz Road Crossing and Salmonid Passage Assessment (Taylor 2003) and those identified by the Department as being problematic.

**Id:** BB-SL-05      **ESU:** CCC      **Level:** C      **Priority:** 3

**Task:** Implement the portions of the San Lorenzo River Enhancement Plan, and the areas identified as problematic by the Department that are consistent with the coho salmon recovery strategy.

- 6) The "Recovery Strategy for California Coho Salmon" includes the "Año Nuevo" hydrologic area with the "San Mateo" hydrologic unit rather than the "Big Basin" hydrologic unit as defined by the Calwater watershed delineations.

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**Task:** Implement the highest priority restoration projects in the watershed plans that address coho salmon habitat. Adjust on-going efforts based on results.

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**Task:** Complete a broad conjunctive use feasibility study focusing on creative ways of managing existing surface and groundwater resources in Santa Cruz County, with the intent to increase base flow at critical times.

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**Id:** BB-HU-08      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Develop a lagoon management plan that addresses the needs of coho salmon.

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**Id:** BB-HU-09      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Implement the lagoon management plan that addresses the needs of coho salmon.

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## Coho Salmon Recovery Tasks

### BIG BASIN - Ano Nuevo

**Id:** SM-AN-01      **ESU:** CCC      **Level:** D      **Priority:** 5      **High Priority**

**Task:** Implement the projects recommended as high priority for coho salmon in the Gazos Creek watershed restoration plan.

6

**Id:** SM-HU-01      **ESU:** CCC      **Level:** E      **Priority:**

**Task:** Reduce the effects of water diversions, by assisting the SWRCB's coordination with other agencies in addressing season of diversion, off-stream reservoirs, bypass flows protective of coho salmon and natural hydrograph.

6

**Id:** SM-HU-02      **ESU:** CCC      **Level:** D      **Priority:**

**Task:** Develop legislation that will fund county planning for environmentally sound growth and water supply. Work in coordination with the California Department of Housing and Community Development (CDHCD), Association of Bay Area Governments (ABAG), and other government associations.

6

**Id:** SM-HU-03      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Continue to protect riparian zones on streams inhabited by coho salmon within the coastal zone according to the local coastal plan and THP prescriptions.

6

**Id:** SM-HU-04      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Evaluate the need to apply coastal zone protections to streams inhabited by coho salmon that are not in the coastal zone.

6

**Id:** SM-HU-05      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Develop written standards for routine operations and maintenance.

6

**Id:** SM-HU-06      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Implement written standards for routine operations and maintenance, and train staff in best management practices.

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**Id:** SM-HU-07      **ESU:** CCC      **Level:** D      **Priority:**

**Task:** Assess and prioritize coho salmon passage barriers to coho salmon habitat.

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## Coho Salmon Recovery Tasks

**Id:** SM-HU-08      **ESU:** CCC      **Level:** D      **Priority:**

**Task:** Restore coho salmon passage to coho salmon habitat by using the prioritized list.

6

**Id:** SM-HU-09      **ESU:** CCC      **Level:** D      **Priority:**

**Task:** Conduct road assessments and address issues of sedimentation from county public works and parks roads and trails.

6

**Id:** SM-HU-10      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Promote alternatives to conventional bank stabilization for public and private projects.

6

**Id:** SM-HU-11      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Establish adequate spoils storage sites throughout the counties so that material from landslides and road maintenance can be stored safely away from streams inhabited by coho salmon. Coordinate these efforts with Caltrans.

6

**Id:** SM-HU-12      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Work to increase county enforcement of permit conditions and erosion control plans on development.

6

**Id:** SM-HU-13      **ESU:** CCC      **Level:** C      **Priority:**

**Task:** Support continued economically sustainable management of forest and agricultural lands in the range of coho salmon to reduce the potential for conversion to residential or commercial development.

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**Id:** SM-AN-01      **ESU:** CCC      **Level:** D      **Priority:** 5      High Priority

**Task:** Implement the projects recommended as high priority for coho salmon in the Gazos Creek watershed restoration plan.

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**Id:** SM-HU-01      **ESU:** CCC      **Level:** E      **Priority:**

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