

Coho HELP Projects

Eighteen projects were completed from 2013 to 2018 (Figure 1). Eight projects are located within the Southern Oregon/Northern California Coho Evolutionarily Significant Unit (SONCC ESU), and ten projects are located within the northern extent of the Central California Coast ESU (CCC ESU).

2013

Scott River Bank Stabilization and Riparian Restoration Project

Who: Siskiyou RCD, Cascade Stream Solutions

Where: Scott River, tributary to Klamath River, Siskiyou County, SONCC ESU

What: Bank Stabilization and Riparian Planting

How: Bank contoured, rock and large wood to stabilize bank, and trees planted

Funded by: State Resources Control Board Non-Point Source Pollution.

Implemented: 2013

South Fork Garcia River Instream Wood Enhancement Project

Who: Mendocino Redwood Company and Trout Unlimited

Where: South Fork Garcia River, tributary to Garcia River, Mendocino County, CCC ESU

What: Large Wood Placement

How: Accelerated Recruitment Method—the direct felling of trees into the stream using a chainsaw (unanchored)

Funded by: CalFire CFIP, TNC, NOAA Restoration Center

Implemented: 2014

Parks Creek Diversion #5 Coho Passage Project

Who: Emmerson Investment, Inc. and USFWS

Where: Emmerson Ranch, Parks Creek, tributary to Shasta River, Siskiyou County, SONCC ESU

What: Culvert Removal

How: Culvert Removed, head-gate repositioned, roughened channel with gradient, willow plantings

Funded by: USFWS Partners Program

Implemented: 2014

2014

Off-Estuary Habitat Enhancement of Waukell Creek, Lower Klamath River – Phase II

Who: Yurok Tribe, State Lands Commission and Green Diamond Resource Company

Where: Waukell Creek, tributary to Klamath River, Del Norte County, SONCC ESU

What: Large Wood

How: Large wood clusters, trees pounded in vertically with logs and debris lodged in between.

Funded by: USFWS Partners, US EPA, US BOR Native American Affairs

Implemented: 2015

Marble Gulch Instream Coho Habitat Enhancement Project

Who: Trout Unlimited, Mendocino Redwood Company

Where: Marble Gulch, tributary to North Fork Noyo River, Mendocino County, CCC ESU

What: Wood Placement

How: Accelerated Recruitment with traditional anchoring techniques along the higher gradient.

Funded by: CDFW FRGP, TNC, NOAA Restoration Center

Implemented: 2015

Stream Habitat Enhancement and Augmentation Project – South Fork Ten Mile River

Who: Trout Unlimited, Hawthorne Timber Company (managed by Campbell Global)

Where: South Fork Ten Mile River, tributary to Ten Mile River, Mendocino County, CCC ESU

What: Large Wood Placement

How: Large streamside conifers (with root masses intact) were uprooted and toppled into the stream, to help stabilize existing large woody debris.

Funded by: TNC

Implemented: 2015

North Fork Gualala River Wood in the Stream Project

Who: The Conservation Fund, Casper, CA

Where: North Fork Gualala River, tributary to Gualala River, Mendocino County, CCC ESU

What: Large Wood Placement

How: Accelerated Recruitment and imported trees (anchored and unanchored)

Funded by: Mendocino RCD with California Forest Improvement Program

Implemented: 2014

Tryon Creek Stream Crossing Upgrade at Moseley Ranch

Who: Alexandre Dairy, National Resources Conservation Service (NRCS)

Where: Tryon Creek, tributary to Smith River, Del Norte County, SONCC ESU

What: Farm road crossing upgrade

How: Culvert removed and replaced with bridge

Funded by: NRCS

Implemented: 2015

2015

HELP Workshop 3-17-15, Casper, CA

Who: The Nature Conservancy, CDFW and Partners

Where: Casper, CA

What: Instructional workshop

How: Presentations and Discussions

Bear Creek Instream Enhancement Project

Who: Humboldt Redwood Company

Where: Bear Creek, tributary to Eel River, Humboldt County, SONCC ESU

What: Large Wood Placement

How: Grip-hoisting near-stream logs into structures and accelerated recruitment

Funded by: Humboldt Redwood Company

Implemented: 2015

North Fork Elk River Instream Enhancement Project

Who: Humboldt Redwood Company

Where: North Fork Elk River, tributary to Elk River, Humboldt County, SONCC ESU

What: Large Wood Placement

How: Available near-stream logs were strategically arranged into clusters.

Funded by: Humboldt Redwood Company

Implemented: 2015

Beith Creek Instream Wood Phases I and II

Who: City of Arcata Environmental Service Department

Where: Beith Creek, tributary to Humboldt Bay via Gannon Slough, Humboldt County, SONCC ESU

What: Large Wood Placement

How: Anchored logs and root wads in clusters

Funded by: USFWS Coastal Program

Implemented: 2015 and 2016

South Fork Usal River Instream Coho Enhancement Project, Phase II

Who: Trout Unlimited, Usual Redwood Forest Company, LLC (managed by Campbell Global)

Where: S.F. Usal River and Julia's Creek, tributaries to Usal River, Mendocino County, CCC ESU

What: Large Wood Placement

How: Accelerated Recruitment (unanchored)

Funded by: TNC

Implemented: 2016

2016

Lower Mill Creek Bank Stabilization Project

Who: Siskiyou Resource Conservation District (Siskiyou RCD)

Where: Mill Creek, tributary to Shackelford Creek, tributary to the Scott River, Siskiyou County, SONCC ESU
What: Large Wood Placement and Bank Stabilization

How: In-stream coarse wood and root wad elements installed at key locations to induce lateral scour and deflect thalweg away from the bank

Funded by: USFWS Partners Program

Implemented: 2016

2017

Churchman Creek Large Wood Augmentation Project

Who: Trout Unlimited, Lyme Redwood Forest, Company, LLC.

Where: Churchman Creek, tributary to South Fork Ten Mile River, Mendocino County, CCC ESU

What: Large Wood Placement

How: Accelerated Recruitment (unanchored)

Funded by: State Water Resources Control Board (SWRCB)

Implemented: 2017

Redwood Creek Large Wood Augmentation Project

Who: Trout Unlimited, Lyme Redwood Forest, Company, LLC.

Where: Churchman Creek, tributary to South Fork Ten Mile River, Mendocino County, CCC ESU

What: Large Wood Placement
How: Accelerated Recruitment (unanchored)
Funded by: State Water Resources Control Board (SWRCB)
Implemented: 2017

Mill Creek Large Wood Augmentation Project

Who: Trout Unlimited, Lyme Redwood Forest, Company, LLC.
Where: Churchman Creek, tributary to Ten Mile River, Mendocino County, CCC ESU
What: Large Wood Placement
How: Accelerated Recruitment (anchored and unanchored)
Funded by: SWRCB
Implemented: 2017

North Branch North Fork Navarro River Large Wood Augmentation Project

Who: Trout Unlimited, Mendocino Redwood Company
Where: North Branch North Fork Navarro River, tributary to North Fork Navarro River, Mendocino County, CCC ESU
What: Large Wood Placement
How: Accelerated Recruitment (unanchored)
Funded by: SWRCB and NOAA Restoration Center
Implemented: 2017

Lower Little North Fork Noyo River Large Wood Augmentation Project

Who: Trout Unlimited, Lyme Redwood Forest, Company, LLC.
Where: Lower Little North Fork Noyo River, Tributary to Noyo River, Mendocino County, CCC ESU
What: Large Wood Placement
How: Accelerated Recruitment (unanchored)
Funded by: SWRCB and NOAA Restoration Center
Implemented: 2018

Table 1: List of project streams, tributary to, project type, ESU, applicant, date request received, date approved, and year completed. Bank = Bank Stabilization, Wood = Wood Placement, Culvert = Culvert Removal, Withdrawn = WD.

Stream	Trib. to	Type	ESU	Applicant	Completed
Scott R.	Klamath R.	Bank	SONCC	Siskiyou RCD	2013
SF Garcia R.	Garcia R.	Wood	CCC	TU	2014
French Ck.	Scott R.	W/D	NA	Siskiyou RCD	W/D
Parks Ck.	Shasta R.	Culvert	SONCC	Emmerson Investments	2014
Lower Waukell Ck.	Klamath R.	Wood	SONCC	Yurok Tribe	2015

Stream	Trib. to	Type	ESU	Applicant	Completed
Marble Gulch	NF Noyo R.	Wood	CCC	TU	2016
SF Ten Mile R.	Ten Mile R.	Wood	CCC	TU	2016
NF Gualala R.	Gualala R.	Wood	CCC	Conservation Fund	2014
Tryon Ck.	Smith R.	Culvert	CCC	Alexandre Dairy	2015
Bear Ck.	Eel R.	Wood	SONCC	Humboldt Redwood	2015
NF Elk R.	Elk R.	Wood	SONCC	Humboldt Redwood	2015
Beith Creek	Humboldt Bay	Wood	SONCC	City of Arcata	2015/2016
SF Usal R.	Usal R.	Wood	CCC	TU	2016
Lower Mill Ck.	Scott R.	Bank	SONCC	Siskiyou RCD	2016
Churchman Ck.	SF Ten Mile R.	Wood	CCC	TU	2017
Redwood Ck.	SF Ten Mile R.	Wood	CCC	TU	2017
Mill Ck.	Ten Mile R.	Wood	CCC	TU	2017
N.Br.NF Navarro R.	NF Navarro R.	Wood	CCC	TU	2017
Little NF Noyo R.	Noyo R.	Wood	CCC	TU	2018



Figure 1: CDFW map showing Coho HELP projects by type—Culvert Removal, Large Wood Placement, and Streambank Stabilization, locations and Evolutionarily Significant Unit (ESU).