Piercy Creek Coho Habitat Restoration Project (Project ID: 1730024) 2023

Introduction:

Grantee will improve the geomorphic function and ecological complexity in Piercy Creek for salmonid habitat through a process-based approach. A total of 32 Large Wood (LW) structures containing 97 pieces of LW, including 44 key pieces will be constructed along 1.03 miles of Piercy Creek. The roughness elements added to the stream for this project will provide winter velocity refugia, increase the pool and flatwater shelter and depths, sort substrate, and increase the frequency of flood-plain and side channel inundation.

The Grantee shall not proceed with on the ground implementation until all necessary permits, consultations, and/or Notice to Proceed are secured. All habitat improvement(s) will follow techniques in the *California Salmonid Stream Habitat Restoration Manual Volume I Section VII*, https://www.wildlife.ca.gov/Grants/FRGP/Guidance

Project Description:	
Is the project located in a tidally influenced California coastal Yes \square or No \boxtimes	zone?
Does the project involve the construction of beaver analogs? Yes \square or No \boxtimes	

Location:

This project is located on Piercy Creek, a tributary to the South Fork Eel River, tributary to the Eel River. The project is near the town of Piercy, CA, and is located in Township 05 South, Range 03 East, Section 35 of the Piercy 7.5 Minute U.S. Geological Survey Quadrangle. The downstream extent of the project is 500 feet upstream of the confluence of Piercy Creek and the SF Eel River. The upstream end of the reach is 1.03 miles upstream from the confluence of Piercy Creek and the SF Eel River. Project coordinates are: 39.97106 North latititude, -123.80871 West longitude.

Project Set Up:

Grantee and/or the California Conservation Corps (CCC) will move LW into place utilizing wire rope rigging techniques, grip hoists, and other hand tools.

Grantee and/or CCC will also anchor and/or pin the features according to designs, conduct forest floor rehab, and install small wood as instructed.

Qualified subcontractors (to be determined) will conduct environmental compliance surveys, fell approved redwood and Douglas-fir trees at feature locations, plant redwood seedlings and perform aquatic species surveys and monitoring required for mitigation.

Materials:

All materials will be purchased by applicant. Some logs will be donated by landowner. Anchoring hardware including 1" Rebar, 5/8" Wire Rope, 5/8" Clamps, Nuts and Plates (Washers) will be used to anchor logs to live trees, bedrock and other logs. Hilti epoxy glue is used to attach wire rope to bedrock.

Conifer logs are the primary elements of the habitat features.

Conifer trees will be used to plant areas disturbed by project activities and areas within the project reach that are lacking canopy cover.

Tasks:

Task 1: Project Oversight, Monitoring, and Environmental Compliance

Project oversight and administrative activities will be conducted by the Grantee, including but not limited to, acquiring permits, subcontracts, access agreements, invoicing, data collection, water quality monitoring and reporting. Qualified subcontractor will conduct a site assessment for aquatic species and conduct on-site monitoring during construction as needed. Qualified subcontractors will conduct archeological, botanical and paleontological surveys within the Project reach.

Task 2: Large Wood Selection and Structure Construction

Site construction on 32 large wood features will involve cutting down or uprooting trees accomplished by qualified subcontractors. The licensed equipment operator will place logs into the stream in accordance with design plans. When necessary, CCC Corpsmembers will move LW into position. The project will utilize living riparian trees as anchors by wedging the logs between them where feasible. CCC Corpsmembers will anchor the sites according to design and anchoring specifications. Corpsmembers will use one inch threaded rebar to anchor logs to mature riparian trees and other logs. Holes will be drilled through the logs and their anchor trees. One inch rebar will be pounded through the log and secured with nuts and washers. Site construction, wood placement, and anchoring will be in accordance with the CDFW, California Salmonid Stream Habitat Restoration Manual, Section VII (Flosi et al. 2010). Erosion control methods will be employed by the CCC as required at each structure and along equipment corridors to eliminate the possibility of sediment transport to the stream. To address concerns over invasive species this project will follow the CDFW Aquatic Invasive Species Decontamination Protocol.

Task 3: Riparian Planting

The tree planting subcontractor will plant 400 redwood seedlings, with a primary focus in areas lacking sufficient conifer cover or riparian vegetation.

Deliverables:

A total of 32 Large Wood (LW) structures containing 97 pieces of LW, including 44 key pieces will be constructed along 1.03 miles of Piercy Creek.

Timelines:

June 15 through October 31 of the years 2024, 2025 and 2026, Grantee will install large wood features within approved project reach. Erosion control will be installed as project features are completed.

Riparian planting will occur from December through April annually.

Additional Requirements:

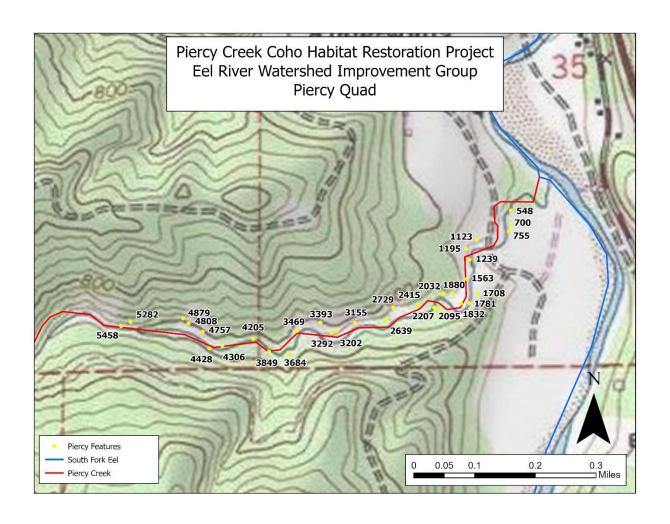
The Grantee will not proceed with on the ground implementation until all necessary permits and consultations are secured. Work in flowing streams is restricted per the United States Army Corp of Engineers (USACE) Regional General Permit. Actual project start and end dates, within this timeframe, are at the discretion of the CDFW.

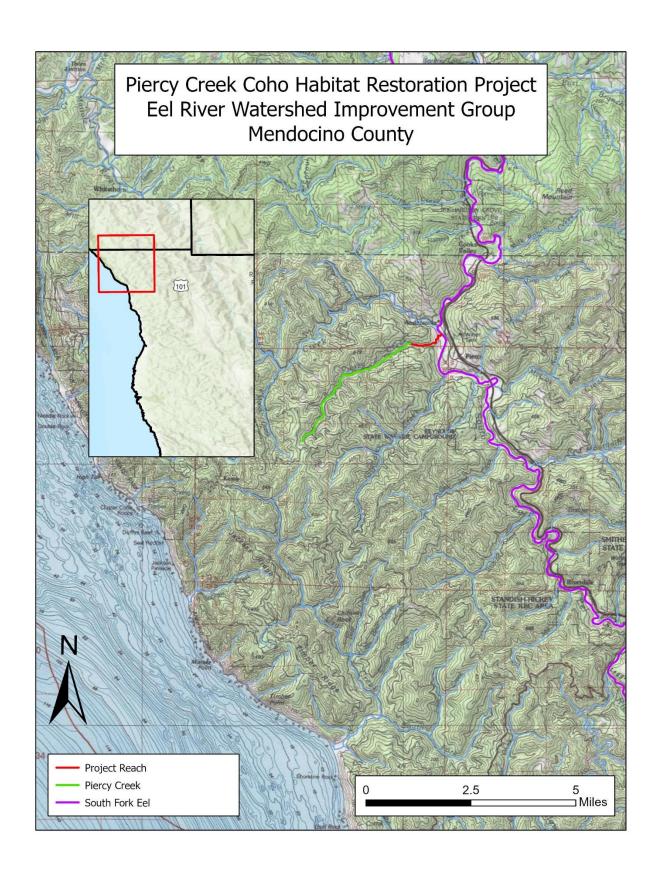
No equipment maintenance will be performed within or near the stream channel where pollutants (such as petroleum products) from the equipment may enter the channel via rainfall or runoff. Appropriate spill containment devices (e.g., oil absorbent pads, tarpaulins) will be used when refueling equipment. All equipment will be removed from the streambed and flood plain areas at the end of each workday.

All equipment and gear will be brushed with a stiff brush prior to leaving each stretch of stream to avoid the transport of aquatic invasive species (AIS). When transporting traps out of the area, each numbered trap will be bagged in its own bag to avoid cross contamination during transport in and out of the work area. All crew members will decontaminate equipment and shoes for AIS according to the standards detailed in the CDFW Aquatic Invasive Species Decontamination Protocol.

During project activities, all trash that may attract predators will be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris will be removed from work areas.

All habitat improvements will follow techniques described in the California Salmonids Stream Habitat Restoration Manual, Volume I and Volume II. Final structure design and placement will be determined by field consultation between the Grantee and the CDFW Personnel.





CDFW RAREFIND

Query Summary:
Quad IS (Piercy (3912387) OR Bear Harbor (3912388) OR Noble Butte (3912386) OR Mistake Point (3912378) OR Hales Grove (3912377) OR Leggett (3912376) OR Briceland (4012318) OR Garberville (4012317) OR Harris (4012316))

CNDDB Element Query Results

CNDDB Element Query Results												1
Scientific Name	Common Name	Taxonomic Group	Element Code	Total Occs	Returned Occs	Federal Status	State Status	Global Rank	State Rank	CA Rare Plant Rank	Other Status	Habitats
Accipiter cooperii	Cooper's hawk	Birds	ABNKC12040	118	1	None	None	G5	S4	null	CDFW_WL-Watch List, IUCN_LC- Least Concern	Cismontane woodland, Riparian forest, Riparian woodland, Upper montane coniferous forest
Accipiter gentilis	northern goshawk	Birds	ABNKC12060	433	1	None	None	G5	S3	null	BLM_S-Sensitive, CDF_S-Sensitive, CDFW_SSC- Species of Special Concern, IUCN_LC- Least Concern, USFS_S-Sensitive	North coast coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest
Anodonta californiensis	California floater	Mollusks	IMBIV04220	6	1	None	None	G3Q	S2?	null	USFS_S-Sensitive	Aquatic
Antrozous pallidus	pallid bat	Mammals	AMACC10010	420	2	None	None	G4	S3	null	BLM_S-Sensitive, CDFW_SSC- Species of Special Concern, IUCN_LC- Least Concern, USFS_S-Sensitive	Chaparral, Coastal scrub, Desert wash, Great Basin grassland, Great Basin scrub, Mojavean desert scrub, Riparian woodland, Sonoran desert scrub, Upper montane coniferous forest, Valley & foothill grassland
Arabis mcdonaldiana	McDonald's rockcress	Dicots	PDBRA06150	27	5	Endangered	Endangered	G3	S3	1B.1	SB_BerrySB-Berry Seed Bank, SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden	Lower montane coniferous forest, Ultramafic, Upper montane coniferous forest
Arborimus pomo	Sonoma tree vole	Mammals	AMAFF23030	222	6	None	None	G3	S3	null	CDFW_SSC- Species of Special Concern, IUCN_NT- Near Threatened	North coast coniferous forest, Oldgrowth, Redwood
Arctostaphylos stanfordiana ssp. raichei	Raiche's manzanita	Dicots	PDERI041G2	13	2	None	None	G3T2	S2	1B.1	BLM_S-Sensitive, SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden, SB_USDA- US Dept of Agriculture	Chaparral, Lower montane coniferous forest, Ultramafic
Ascaphus truei	Pacific tailed frog	Amphibians	AAABA01010	491	10	None	None	G4	S3S4	null	CDFW_SSC- Species of Special Concern, IUCN_LC- Least Concern	Aquatic, Klamath/North coast flowing waters, Lower montane coniferous forest, North coast coniferous forest, Redwood, Riparian forest
Astragalus agnicidus	Humboldt County milk- vetch	Dicots	PDFAB0F080	69	7	None	Endangered	G2	S2	1B.1	SB_BerrySB-Berry Seed Bank, SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden	Broadleaved upland forest, North coast coniferous forest
Bombus caliginosus	obscure bumble bee	Insects	IIHYM24380	181	4	None	None	G2G3	S1S2	null	IUCN_VU- Vulnerable	null
Bombus occidentalis	western bumble bee	Insects	IIHYM24252	306	6	None	Candidate Endangered	G3	S1	null	IUCN_VU- Vulnerable, USFS_S-Sensitive	null

leafy reed grass	Monocots	PMPOA170C0	22	2	None	Rare	G3	S3	4.2	null	Coastal bluff scrub, North coast coniferous forest
seaside bittercress	Dicots	PDBRA0K010	38	1	None	None	G4G5	S3	2B.1	null	Lower montane coniferous forest, North coast coniferous forest, Wetland
northern clustered sedge	Monocots	PMCYP030X0	13	1	None	None	G5	S1	2B.2	IUCN_LC-Least Concern	Bog & fen, North coast coniferous forest, Wetland
Oregon coast paintbrush	Dicots	PDSCR0D012	44	7	None	None	G3	S3	2B.2	null	Coastal bluff scrub, Coastal dunes, Coastal scrub
Mendocino Coast paintbrush	Dicots	PDSCR0D3N0	52	2	None	None	G2	S2	1B.2	BLM_S-Sensitive, SB_UCSC-UC Santa Cruz	Closed-cone coniferous forest, Coastal bluff scrub, Coastal dunes, Coastal prairie, Coastal scrub
Vine Hill ceanothus	Dicots	PDRHA040D6	6	1	None	None	G3T1	S1	1B.1	null	Chaparral
Whitney's farewell-to- spring	Dicots	PDONA05025	8	1	None	None	G5T1	S1	1B.1	SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden, SB_UCBG-UC Botanical Garden at Berkeley	Coastal bluff scrub, Coastal scrub
Oregon goldthread	Dicots	PDRAN0A020	122	3	None	None	G4?	S3?	4.2	null	Meadow & seep, North coast coniferous forest, Wetland
Townsend's big-eared bat	Mammals	AMACC08010	635	3	None	None	G4	S2	null	BLM_S-Sensitive, CDFW_SSC- Species of Special Concern, IUCN_LC- Least Concern, USFS_S-Sensitive	Broadleaved upland forest, Chaparral, Chenopod scrub, Great Basin grassland, Great Basin grassland, Lower montane coniferous forest, Meadow & seep, Mojavean desert scrub, Riparian forest, Riparian woodland, Soon and desert scrub, Sonoran forest, Valley & foothill grassland
western pond turtle	Reptiles	ARAAD02030	1477	3	None	None	G3G4	S3	null	BLM_S-Sensitive, CDFW_SSC- Species of Special Concern, IUCN_VU- Vulnerable, USFS_S-Sensitive	Aquatic, Artificial flowing waters, Klamath/North coast flowing waters, Klamath/North coast standing waters, Marsh & swamp, Sacramento/San Joaquin flowing waters, Sacramento/San Joaquin standing waters, South coast flowing waters, South coast standing waters, South coast standing waters, Wetland
	seaside bittercress northern clustered sedge Oregon coast paintbrush Mendocino Coast paintbrush Vine Hill ceanothus Whitney's farewell-to-spring Oregon goldthread Townsend's big-eared bat	grass Monocots seaside bittercress Dicots northern clustered sedge Oregon coast paintbrush Dicots Wine Hill ceanothus Dicots Whitney's farewell-to-spring Dicots Oregon goldthread Dicots Townsend's big-eared bat Mammals western pond Reptiles	grass Monocots PMPOA170C0 seaside bittercress Dicots PDBRA0K010 northern clustered sedge Monocots PMCYP030X0 PDSCR0D012 Mendocino Coast paintbrush Dicots PDSCR0D3N0 Vine Hill ceanothus Dicots PDRHA040D6 Whitney's farewell-to-spring Dicots PDRAN0A020 Oregon goldthread Dicots PDRAN0A020 Townsend's big-eared bat Mammals AMACC08010 western pond Reptiles ARAAD02030	grass Monocois PMPOA170C0 22 Seaside bittercress Dicots PDBRA0K010 38 northern clustered Sedge Monocots PMCYP030X0 13 Oregon coast paintbrush Dicots PDSCR0D012 44 Mendocino Coast paintbrush Dicots PDSCR0D3N0 52 Vine Hill ceanothus Dicots PDRHA040D6 6 Whitney's farewell-to-spring Dicots PDRAN0A020 122 Townsend's big-eared bat Mammals AMACC08010 635	grass Monocots PMPOAT70C0 22 2 seaside bittercress Dicots PDBRA0K010 38 1 northern clustered sedge Monocots PMCYP030X0 13 1 Oregon coast paintbrush Dicots PDSCR0D012 44 7 Mendocino Coast paintbrush Dicots PDRHA040D6 6 1 Vine Hill ceanothus Dicots PDRHA040D6 6 1 Whitney's farewell-to-spring Dicots PDRAN0A020 122 3 Oregon goldthread Dicots PDRAN0A020 122 3	grass Monocols PMPOAT/OCU 22 2 None seaside bittercress Dicots PDBRA0K010 38 1 None northern clustered sedge Monocols PMCYP030X0 13 1 None Oregon coast paintbrush Dicots PDSCR0D012 44 7 None Mendocino Coast paintbrush Dicots PDSCR0D3N0 52 2 None Vine Hill ceanothus Dicots PDRHA040D6 6 1 None Whitney's farewell-to-spring Dicots PDRAN0A020 122 3 None Oregon goldthread Dicots PDRAN0A020 122 3 None Townsend's big-eared bat Mammals AMACC08010 635 3 None western pond Republics ARAAD02030 14477 3 None	grass Monocots PMPOAT/0CO 22 2 None Name Seaside bittercress Dicots PDBRAOKO10 38 1 None None Inorthern clustered sedge Monocots PMCYP030X0 13 1 None None Oregon coast paintbrush Dicots PDSCR0D012 44 7 None None Mendocino Coast paintbrush Dicots PDSCR0D3N0 52 2 None None Vine Hill cannothus Dicots PDRHA040D6 6 1 None None Whitney's farewell-to-spring Oregon goldithread Dicots PDRAN0A020 122 3 None None Townsend's big-eared bat Mammals AMACC08010 635 3 None None Western pond Remilles ARABD2020 1477 3 None None	grass Monocous PMPOAT/UCU 22 2 None Nare S3 seaside bittercrees Dicots PDBRA0K010 38 1 None None G4G5 morthern clustered sedge Monocots PMCYP030X0 13 1 None None G5 Oregon coast paintbrush Dicots PDSCR0D012 44 7 None None G3 Mendocino Coast paintbrush Dicots PDSCR0D3N0 52 2 None None G2 Vine Hill coanothus Dicots PDRHA040D6 6 1 None None G3T1 Whitney's flarewell-to-spring Dicots PDRAN0A020 122 3 None None G4? Townsend's Dig-dared bat Mammals AMACC08010 635 3 None None G4 western pond Rentiles ARAD02030 1477 3 None None G3G4	Seaside Dicots PDBRAOKO10 38 1	grass Monocots PMPONTOLO 22 2 None Rate 93 S3 42 seaside bittercress Dicots PDBRAOK010 38 1 None None S5 S1 2B.1 northern clustered sadge Monocots PMCYP030X0 13 1 None None None S5 S1 2B.2 Oregon coast paintbrush Dicots PDSCR0D3N0 52 2 None None G3 S3 2B.2 Mendocino Coast paintbrush Dicots PDSCR0D3N0 52 2 None None G2 S2 1B.2 Vine Hill ceanothus Dicots PDRHA040D6 6 1 None None G3T1 S1 1B.1 Writiney's farevel-to-spring Dicots PDRAN0A020 122 3 None None G4? S2 null Townsend's big-eared bat Mammals AMACC08010 635 3 None None G3G4 S2	Part

Erethizon dorsatum	North American porcupine	Mammals	AMAFJ01010	523	5	None	None	G5	S3	null	IUCN_LC-Least Concern	Broadleaved upland forest, Cismontane woodland, Closed-cone coniferous forest, Lower montane coniferous forest, North coast coniferous forest, Upper montane coniferous forest oniferous forest oniferous forest proper montane coniferous forest
Eriogonum kelloggii	Kellogg's buckwheat	Dicots	PDPGN083A0	7	7	None	Endangered	G2	S2	1B.2	BLM_S-Sensitive, SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden	Lower montane coniferous forest, Ultramafic
Erythronium revolutum	coast fawn lily	Monocots	PMLILOU0F0	172	4	None	None	G4G5	S3	2B.2	SB_UCSC-UC Santa Cruz	Bog & fen, Broadleaved upland forest, North coast coniferous forest, Wetland
Eumetopias jubatus	Steller sea lion	Mammals	AMAJC03010	38	2	Delisted	None	G3	S2	null	IUCN_NT-Near Threatened, MMC_SSC-Species of Special Concern	Marine intertidal & splash zone communities, Protected deepwater coastal communities, Rock shore
Gentiana setigera	Mendocino gentian	Dicots	PDGEN060S0	11	1	None	None	G2	S2	1B.2	BLM_S-Sensitive, USFS_S-Sensitive	Lower montane coniferous forest, Meadow & seep, Ultramafic, Wetland
Gilia capitata ssp. pacifica	Pacific gilia	Dicots	PDPLM040B6	91	1	None	None	G5T3	S2	1B.2	SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden	Chaparral, Coastal bluff scrub, Coastal prairie, Valley & foothill grassland
Hesperocyparis pygmaea	pygmy cypress	Gymnosperms	PGCUP04032	37	1	None	None	G1	S1	1B.2	BLM_S-Sensitive, SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden	Closed-cone coniferous forest
Horkelia marinensis	Point Reyes horkelia	Dicots	PDROS0W0B0	36	1	None	None	G2	S2	1B.2	SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden, SB_UCSC- UC Santa Cruz	Coastal dunes, Coastal prairie, Coastal scrub
Margaritifera falcata	western pearlshell	Mollusks	IMBIV27020	78	2	None	None	G4G5	S1S2	null	IUCN_NT-Near Threatened	Aquatic
Mitellastra caulescens	leafy- stemmed mitrewort	Dicots	PDSAX0N020	21	2	None	None	G5	S4	4.2	null	Broadleaved upland forest, Lower montane coniferous forest, Meadow & seep, North coast coniferous forest
Montia howellii	Howell's montia	Dicots	PDPOR05070	123	2	None	None	G3G4	S2	2B.2	null	Meadow & seep, North coast coniferous forest, Vernal pool, Wetland
Myotis evotis	long-eared myotis	Mammals	AMACC01070	139	1	None	None	G5	S3	null	BLM_S-Sensitive, IUCN_LC-Least Concern	null
Myotis thysanodes	fringed myotis	Mammals	AMACC01090	86	1	None	None	G4	S3	null	BLM_S-Sensitive, IUCN_LC-Least Concern, USFS_S- Sensitive	null
Myotis yumanensis	Yuma myotis	Mammals	AMACC01020	265	1	None	None	G5	S4	null	BLM_S-Sensitive, IUCN_LC-Least Concern	Lower montane coniferous forest, Riparian forest, Riparian woodland, Upper montane coniferous forest

Northern nterior Cypress Forest	Northern Interior Cypress Forest	Forest	CTT83220CA	22	1	None	None	G2	S2.2	null	null	Closed-cone coniferous forest
Oncorhynchus kisutch pop. 2	coho salmon - southern Oregon / northern California ESU	Fish	AFCHA02032	10	3	Threatened	Threatened	G5T2Q	S2	null	AFS_TH- Threatened	Aquatic, Klamath/North coast flowing waters, Sacramento/San Joaquin flowing waters
Oncorhynchus mykiss irideus oop. 48	steelhead - northern California DPS summer-run	Fish	AFCHA0213P	10	2	Threatened	Endangered	G5T2Q	S2	null	AFS_TH- Threatened	Aquatic, Estuary, Klamath/North coast flowing waters
Oncorhynchus mykiss irideus oop. 49	steelhead - northern California DPS winter- run	Fish	AFCHA0213Q	96	6	Threatened	None	G5T3Q	S3	null	AFS_TH- Threatened	Aquatic, Estuary, Klamath/North coast flowing waters
Pandion naliaetus	osprey	Birds	ABNKC01010	504	2	None	None	G5	S4	null	CDF_S-Sensitive, CDFW_WL-Watch List, IUCN_LC- Least Concern	Riparian forest
Pekania pennanti	Fisher	Mammals	AMAJF01020	555	3	None	None	G5	S2S3	null	BLM_S-Sensitive, CDFW_SSC- Species of Special Concern, IUCN_LC- Least Concern, USFS_S-Sensitive	North coast coniferous forest, Oldgrowth, Riparian forest
Piperia candida	white- flowered rein orchid	Monocots	PMORC1X050	222	42	None	None	G3?	S3	1B.2	SB_CalBG/RSABG- California/Rancho Santa Ana Botanic Garden	Broadleaved upland forest, Lower montane coniferous forest, North coast coniferous forest, Ultramafic
Rana aurora	northern red- legged frog	Amphibians	AAABH01021	292	2	None	None	G4	S3	null	CDFW_SSC- Species of Special Concern, IUCN_LC- Least Concern, USFS_S-Sensitive	Klamath/North coast flowing waters, Riparian forest, Riparian woodland
Rana boylii oop. 1	foothill yellow-legged frog - north coast DPS	Amphibians	AAABH01051	1608	43	None	None	G3T4	S4	null	BLM_S-Sensitive, CDFW_SSC- Species of Special Concern, USFS_S- Sensitive	Aquatic, Klamath/North coast flowing waters, Riparian forest, Riparian scrub, Riparian woodland
Rhyacotriton variegatus	southern torrent salamander	Amphibians	AAAAJ01020	416	14	None	None	G3?	S2S3	null	CDFW_SSC- Species of Special Concern, IUCN_LC- Least Concern, USFS_S-Sensitive	Lower montane coniferous forest, Oldgrowth, Redwood, Riparian forest
Sedum eastwoodiae	Red Mountain stonecrop	Dicots	PDCRA0A0L1	6	6	None	None	G2	S2	1B.2	BLM_S-Sensitive	Lower montane coniferous forest, Ultramafic
Sidalcea malachroides	maple-leaved checkerbloom	Dicots	PDMAL110E0	136	3	None	None	G3	S3	4.2	null	Broadleaved upland forest, Coastal prairie, Coastal scrub, North coast coniferous forest, Riparian forest
Sidalcea malviflora ssp. patula	Siskiyou checkerbloom	Dicots	PDMAL110F9	60	2	None	None	G5T2	S2	1B.2	SB_UCSC-UC Santa Cruz	Coastal bluff scrub, Coastal prairie, North coast coniferous forest
Silene greenei ssp. angustifolia	Red Mountain catchfly	Dicots	PDCAR0U0A2	8	8	None	Endangered	G5T1	S1	1B.2	BLM_S-Sensitive	Chaparral, Lower montane coniferous forest, Ultramafic
Taricha rivularis	red-bellied newt	Amphibians	AAAAF02020	136	6	None	None	G2	S2	null	CDFW_SSC- Species of Special Concern, IUCN_LC- Least Concern	Broadleaved upland forest, North coast coniferous forest, Redwood,

												Riparian forest, Riparian woodland
Thermopsis robusta	robust false lupine	Dicots	PDFAB3Z0D0	104	2	None	None	G2	S2	1B.2	SB_UCSC-UC Santa Cruz, USFS_S-Sensitive	Broadleaved upland forest, North coast coniferous forest, Ultramafic
Upland Douglas Fir Forest	Upland Douglas Fir Forest	Forest	CTT82420CA	15	2	None	None	G4	S3.1	null	null	North coast coniferous forest
Usnea longissima	Methuselah's beard lichen	Lichens	NLLEC5P420	206	16	None	None	G4	S4	4.2	BLM_S-Sensitive	Broadleaved upland forest, North coast coniferous forest, Oldgrowth, Redwood
Viburnum ellipticum	oval-leaved viburnum	Dicots	PDCPR07080	39	2	None	None	G4G5	S3?	2B.3	null	Chaparral, Cismontane woodland, Lower montane coniferous forest