

The Marin Coastal Watersheds Permit Coordination Program (PCP) has and will continue to provide the catalyst for high-quality pollutant and erosion control and habitat restoration projects throughout the program

#	Watershed	Envir. Setting	Description of PCP Practice(s)	Regulatory Requirements	Project Actions	Materials Quantity	Potential for Listed Species	Vegetation Setting & Impacts & Planting	Actions Required due to Potential Presence of Listed Species	Presence of Barriers to Aquatic Species Migration	Funding Source	notes
2017-07	SAN GERONIMO CREEK >> LAGUNITAS >> TOMALES BAY	Private: Residential	Critical Area Planting (342)	none	Five (5) native riparian species will be planted in the project area to aid in bank stabilization and riparian enhancement. Native seed mix with nine (9) species to aid in erosion control. All disturbed areas and oversteepened streambanks will be re-vegetated with native riparian plants and secured with biodegradable erosion control materials. Soil bioengineering will also be used via live willow stakes planted into the biocoir rolls	7.04 lbs seed; 14+ native plants; < 0.1 acres	none	Riparian vegetation currently existing is comprised of mostly native riparian species (sedges, carexes, rushes, under & overstory)	none	None within project area. The subwatershed is active with salmonids seeking refuge from high flows.	SCC Prop. 1	Eight 'structures' total. 90 CY fill total. 18 large pieces of wood total (which include rootwads). It should be noted that the type of boulder cluster structures proposed for this site are naturally occurring in adjacent reaches of San Geronimo Creek (left bank at Station 1+45). All four right bank structures will enhance slow-water edge habitat at low to moderate winter flows. In addition, a fifth structure proposed for the left bank at the downstream extent of the project is designed to provide contiguous rearing habitat from low winter base flows to storm event flows. An additional three large wood and boulder structures are also proposed upstream from the Larsen Creek confluence designed to enhance existing pool habitat and protect the toe of the bank from long-term scour and undercutting. Additional instream habitat enhancement restoration work is likely to occur on downstream neighbor's property, which will be carried out by a different organization.
			Streambank Protection (580)	\$1602/\$401/\$404/\$Creek Permit	There are two middle structures (LWD anchored to boulders) designed primarily to promote bank stability and control channel gradient.		CRLF, coho & steelhead	N/A				
			Stream Habitat Improvement (395)	\$1602/\$401/\$404/\$Creek Permit	Four right-bank structures (LWD anchored to boulders) with the upstream and downstream structures (same) designed to enhance summer rearing habitat and provide minor bank stability benefits. There is a fifth structure (same) proposed for the left bank at the downstream extent of the project which is designed to provide contiguous rearing habitat from low winter base flows to storm event flows. An additional three large wood and boulder structures are also proposed upstream from the Larsen Creek confluence designed to enhance existing pool habitat and protect the toe of the bank from long-term scour and undercutting.	90 CY of riprap, 18 pieces of LWD, 370 LF	CRLF, coho & steelhead	N/A	Secure certified biologist to conduct CRLF surveys per USFWS, secure certified biologist to conduct fish rescue & relocation during dewatering, Consultation with NMFS			