

Marin Coastal Watersheds Permit Coordination Program 2020 Ranch Restoration Projects

The Marin 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

Project Reference Number	Watershed	Envir. Setting	Description of PCP Practice(s)	Materials Quantity <i>italics = uncertain of actual project size</i>	Project Actions	Regulatory Requirements	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(s)
2020-01	Keys Creek > Walker Creek	Active rangeland; adjacent to riparian corridor and old railroad	Grade stabilization structure (410)	AREA: 2,465 SF; VOLUME: 104 CY	Two headcuts in a series will be repaired with rock grade control structured (40 CY rock fill, 30 CY soil fill) that will be heavily planted with native species.	§401: Water Quality Cert.; §404: Nationwide; §1600: SAA; Grading Permit Ag Exempt	CRLF; brds	Riparian corridor adjacent to open grazed rangeland.	CRLF: ranching activities are ESA exempt per USFWS with no federal involvement; if USDA NRCS becomes involved then project will be added to their BO	None	319 (h) grant
			Critical Planting Area (342)	2,465 SF; > 250 individual plants							
2020-02	Tomaes Bay	Active dairy	Sediment Basin (350)	AREA: 700 SF VOLUME: 170 CY	An existing basin will be increased in capacity to help the dairy manage storm flow running off the dairy's pavement.	§401: Water Quality Cert.; §404: Nationwide exempt; Grading Permit Ag Exempt; Building Permit	CRLF	Ranch vegetation consists of annual & perennial grasses & forbs.	CRLF: ranching activities are ESA exempt per USFWS with no federal involvement; if USDA NRCS becomes involved then project will be added to their BO	None	319 (h) grant
2020-03	Tomaes Bay	Active rangeland, and riparian corridor	Pipeline (516)	LENGTH: 3,000 LF	A gravity pipeline will be connected to one or two existing developed spring systems that will bring water to livestock troughs.	§401: Water Quality Cert. - unlikely but possible depending on quantity of fence posts placed into the wetland	CRLF	Ranch vegetation consists of annual & perennial grasses & forbs. Riparian corridor consists of willows and wetland vegetation in a bog/lagoon area.	CRLF: ranching activities are ESA exempt per USFWS with no federal involvement; if USDA NRCS becomes involved then project will be added to their BO	None	319 (h) grant
			Watering Facility (614)	COUNT: 1-2	Livestock troughs with wildlife escape ramps will be installed on open pasture to supply an alternative water source for livestock.						
			Fence (382)	LENGTH: 3,000 LF	A livestock fence will restrict livestock access to Tomaes Bay.						