

Marin Coastal Watersheds Permit Coordination Program 2023 Ranch Restoration Projects
 adopted 04/10/2019, public comment period 4/11/2019 - 5/13/2019

The Marin 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

Site Number	Watershed	Description of PCP Practice(s)	Materials Quantity <i>italics = uncertain of actual project size</i>	Expected Permits	Project Goals	Envir. Setting and Vegetation	Potential for Listed Species	Presence of Barriers to Aquatic Species Migration	Funding Source
2023-01	San Geronimo Creek-Lagunitas	Watering Facility (619), Livestock Pipeline (516), Fence (382), Access Road (560)	Wildlife ramps on 1-2 troughs with pads, pipeline of ~1,000 ft above-ground, no soil disturbance, ~1,500 feet of wildlife friendly 5-strand barbed wire fence, Existing access road to be re-graded and re-rocked with <250CY of disturbance and ~0.1 mile of road (2,785 sq.ft). Springs beneficial uses will not be altered, springs will not be developed.	N/A	Improve cattle distribution and support cattle activity away from spring and riparian area to remove potential manure runoff and erosion into Lagunitas Creek	Active rangeland, with native and non-native grasses. The trough will be placed on hillside with relatively flat slope and out of view from nearby roads, pipe will be above ground and run along a wooded corridor paralleling a small creek that feeds in San Geronimo Creek-Lagunitas. Work is predominately on active access road that will be re-engineered.	N/A	N/A	319h
2023-02	Estero de San Antonio	Critical Area Planting (342), Conservation Cover (327), Brush Management (314)	There are no size limitations in the PCP for planting projects. Plants will be installed by hand. This project does not include any plant removal. 10lbs of organic seed mix planted in pasture and corrals in fall with additional grasses and shrubs installed in critical area planting zone, just upland of riparian area	N/A	Reduce risk of erosion on a steep sloped pasture and enhance soil water holding capacity.	Active rangeland, with native and non-native grasses alongside holding corrals and upland from a riparian area. Riparian area has well established non-native vegetation.	CA Red-legged Frog, Western Pond Turtle	N/A	319h
2023-03	Estero de San Antonio	Fence (382)	932 feet of Wildlife friendly electric fence for a riparian exclusion	N/A	Reduce Risk of erosion on an eroding gully	Active pasture with native and non-native grasses.	N/A	N/A	319h
2023-04	San Geronimo Creek-Lagunitas	Road Closure & Treatment (654), Trails & Walkways (575), Critical Area Planting (342), Stream Crossing (578), Fence (362)	Road closure and treatment for ~.98 miles, with <2 miles of road treated and less than 2 acres of disturbance. There are no size limitations in the PCP for planting projects. Plants will be installed by hand. This project does not include any plant removal. A 24"x 5' Culvert will be removed at a stream crossing, where the road is being decommissioned. This will result in less than 0.25 acres of disturbed area. Any culvert work that require permits must be designed and stamped by a licensed engineer, geologist, or landscape architect or a qualified NRCS engineer. 4lbs of seed and 8 bales of rice straw will be used for erosion control. In addition, an armored seasonal trail with an ephemeral-stream crossing <250CY of disturbance. Crossings will be designed to require the minimum amount of dewatering, not to exceed 18 feet of channel.695 ft wildlife-friendly fence, 60 yd3 0.5'-2' riprap 9 lbs native seed 15 bales rice straw, Erosion control fabric 20' wide x 125' long	Marin County Grading Permit, 1600, 401, 404	Improve hydrology of ranch pastures and reduce risks of potential landslides and sediment runoff	Active rangeland, with native and non-native grasses. Work is predominately on active access roads that will be decommissioned.	CA Red-legged Frog	N/A	319h
2023-05	San Geronimo Creek-Lagunitas	Road Closure & Treatment (654, Trails & Walkways (575), Critical Area Planting (342), Stream Crossing (578), Fence(362)	Road closure and treatment for ~.98 miles, with <2 miles of road treated and less than 2 acres of disturbance. In addition, an armored stream crossing <250CY of disturbance. Crossings will be designed to require the minimum amount of dewatering, not to exceed 1,000 feet of channel, 415' of fence.245 yd3 1.5" minus road rock, 85 yd3 6" drain rock, 5 yd3, 0.5'-1.5'riprap, 1 lb native seed 0.5 bale rice straw	Marin County Grading Permit, 1600, 401, 404	Improve hydrology of ranch pastures and reduce risks of potential landslides and sediment runoff	Active rangeland, with native and non-native grasses, alongside a riparian area that has been denuded due to animal activity in and alongside the creek. Work is predominately on active access roads that will be decommissioned.	CA Red-legged Frog	N/A	319h