

MULTI-REGION HCP MEASURES

General Field Protocols (MRHCP-FP-01-19)

FP-01: Conduct annual training on habitat conservation plan requirements for employees and contractors performing covered activities in the Plan Area that are applicable to their job duties and work.

Tailboard and site-specific training will also be conducted prior to commencing work.

- All covered species

FP-02: Park vehicles and equipment on pavement, existing roads, or other disturbed or designated areas (barren, gravel, compacted dirt).

- All covered species

FP-03: Use existing access and ROW roads. Minimize the development of new access and ROW roads, including clearing and blading for temporary vehicle access in areas of natural vegetation.

- All covered species

FP-04: Route off-road access paths and site work sites to minimize impacts on plants, shrubs, and trees, small mammal burrows, and unique natural features (e.g., rock outcrops).

- All covered species

FP-05: Notify conservation landowners at least 2 business days prior to conducting covered activities on protected lands (state- or federally owned wildlife areas, ecological reserves, or conservation areas); more notice will be provided if practicable or if required by other permits. If the work is an emergency, as defined in PG&E's Utility Procedure ENV-8003P-01, PG&E will notify the conservation land owner within 48 hours after initiating emergency work. Although this notification is intended only to inform conservation land owner, PG&E will attempt to work with the conservation land owner to address landowner concerns.

- All covered species

FP-06: Minimize potential for covered species to become trapped, injured, or killed in pipes, culverts, or under materials or equipment. Inspect pipes and culverts wide enough to be entered by a covered species that could inhabit the area where pipes are stored for wildlife species prior to moving pipes and culverts. Contact a biologist if a covered species or other federally-listed species is suspected or discovered.

- All covered amphibians, reptiles, and mammals

FP-07: Vehicle speeds on unpaved roads will not exceed 15 miles per hour.

- All covered wildlife species

FP-08: Prohibit trash dumping, firearms, open fires (such as barbecues), hunting, and pets (except for safety in remote locations) at work sites.

- All covered species

FP-09: In designated State Responsibility Areas, equip all motorized equipment with federally or state-approved spark arrestors. Ensure a backpack pump filled with water and a shovel and fire-resistant mats and/or windscreens is onsite during welding. During fire “red flag” conditions as determined by the California Department of Forestry and Fire Protection, prohibit welding. Each fuel truck will carry a large fire extinguisher with a minimum rating of 40 B:C. Clear parking and storage areas of all flammable materials.

- All covered species

FP-10: Minimize the covered activity footprint and minimize the amount of time spent at a work site to reduce the potential for take of species.

- All covered species

FP-11: Utilize standard erosion and sediment control BMPs (pursuant to the most current version of *PG&E's Stormwater Field Manual for Construction Best Management Practices*) to prevent construction site runoff into waterways.

- All covered aquatic species

FP-12: Stockpile soil within established work site boundaries and locate stockpiles so as not to enter water bodies, stormwater inlets, other standing bodies of water. Cover stockpiled soil prior to precipitation events.

- All covered species

FP-13: Fit open trenches or steep-walled holes with escape ramps of plywood boards or sloped earthen ramps at each end if left open overnight. Field crews will search open trenches or steep-walled holes every morning prior to initiating daily activities to ensure wildlife is not trapped. Field crews will not handle covered species. If any covered wildlife species is found, work will stop and a biologist will be notified. A biologist with appropriate take permits will relocate the species to adjacent habitat or the species will be allowed to naturally disperse, as determined by a biologist.

- All covered amphibians, reptiles and mammals

FP-14: If the covered activity disturbs 0.1 acre or more of habitat for a covered species in grasslands, the field crew will revegetate the area with a commercial “weed free” seed mix.

- All covered grassland species

FP-15: Prohibit vehicular and equipment refueling within 250 feet of the edge of wetlands, streams, or waterways. If refueling must be conducted closer to wetlands, construct a secondary containment

area subject to review by an environmental field specialist and/or biologist. Maintain spill prevention and cleanup equipment in refueling areas.

- Vernal pool species, California red-legged frog, mountain yellow-legged frog, Sierra Nevada yellow-legged frog, foothill yellow-legged frog, Yosemite toad, Santa Cruz long-toed salamander, California tiger salamander, giant garter snake

FP-16: Maintain a buffer of 250 feet from the edge of wetlands, ponds, or riparian areas. If maintaining the buffer is not practicable because the covered activity footprint is within the buffered area, other measures as prescribed by the biologist or the HCP administrator to minimize impacts such as flagging access routes or paths, requiring foot access, restricting work until the dry season, or requiring a biological monitor during the activity.

- Vernal pool species, California red-legged frog, mountain yellow-legged frog, Sierra Nevada yellow-legged frog, foothill yellow-legged frog, Yosemite toad, California tiger salamander, giant garter snake, Santa Cruz long-toed salamander

FP-17: Directionally fall trees away from an exclusion zone, if an exclusion zone has been defined. If this is not practicable, remove the tree in sections. Avoid damage to adjacent trees to the extent practicable. Avoid removal of snags and conifers with basal hollows, crown deformities, and/or limbs more than 6 inches in diameter.

- All covered species

FP-18: Nests with eggs and/or chicks will be avoided: contact a biologist or the Avian Protection Program Manager for further guidance. Work will be stopped until the crew can obtain clarification from a biologist or the Avian Protection Program Manager on how to proceed.

- All nesting bird species, including marbled murrelet and northern spotted owl

FP-19: Inspect and maintain exclusion fencing installed to exclude species from work areas.

- California tiger salamander, giant garter snake, Santa Cruz long-toed salamander