

# THE BASICS

- Attend the environmental training prior to starting work
- Work only within approved work areas and on approved access routes
- Do not access areas outside of the project boundary
- Stay out of all flagged exclusion zones
- Dispose of trash in closed containers and remove all trash from project area daily
- Do not smoke in the project area
- Do not bring pets or firearms to the project site
- Begin work no earlier than 0700 Hrs. and stop work no later than 1800 Hrs.
- Do not exceed the speed limit of 10 miles per hour on all non-public access roads
- Check beneath vehicles and equipment prior to Moving
- Report any sensitive species sightings immediately to the Environmental Specialist (ES)
- Restore all staging areas and roads to pre-construction conditions

## AVOIDANCE AND MINIMIZATION MEASURES

### Historical and Cultural Resources

- Stop work and notify CAL FIRE ES if any historical or cultural materials (bottles, cans, arrowheads, bones, human remains) are discovered during operations
- Establish a 100-foot buffer from all resources. \*Note STZ flagging



### Hazard and Hazardous Materials

- Heavy equipment shall not be serviced or fueled within 65 feet of a watercourse
- Check equipment each day for signs of leaks
- Maintain spill response materials on site
- Report all spills or equipment leaks to the ES immediately



### Erosion and Sediment Control

- Install and maintain erosion control measures to prevent any soil or other materials from entering aquatic habitat
- Avoid use of equipment in saturated soils
- Minimize tracking of mud onto paved roads and sweep streets if visible soil is carried out from the project site



### Fire Safety

- Maintain fire-suppression equipment in all active work areas and staging areas
- Ensure fire tool box is located within the operating area, at a point accessible in the event of fire
- Ensure all water tanks for fire suppression are full
- Walk treatment areas prior to operation to determine if there are any potential ignition hazards
- Spark arrestors are required for all mechanized tools
- Each vehicle or piece of heavy equipment shall be outfitted with a fire extinguisher per spec

### FLAGGING KEY

- Blue and white striped flagging** – Water Course and Lake Protection Zones (WLPZ) for Class I and II watercourses.
- Blue flagging** – Marks the centerline of a Class III watercourse. May also be utilized to mark the location of a waterbreak that needs to be constructed. The location of the waterbreak will be designated by placing a flag at the waterbreak inlet and an additional flag at the waterbreak outlet.
- Yellow and white striped flagging** – Equipment Exclusion Zone (EEZ).
- Orange and white striped flagging** – Special Treatment Zone (STZ). Contact ES for instruction.
- Orange glo** – Identifies areas of retention for sensitive vegetation or sensitive wildlife resources.
- Solid pink glo flagging accompanied by solid white flagging** – Special instructions to the Contractor written on the white flagging in black permanent pen.
- Yellow flagging with the words "SKID TRAIL" on it** – Location where heavy equipment may travel off-road to access hazard trees marked for removal.
- Orange flagging with the words "TRUCK ROAD" on it** – Location where vehicles licensed for use on county roads and state highways may travel.
- Solid blue accompanied by solid white and either SKID TRAIL (yellow) or TRUCK ROAD (orange) flagging** – Stream crossing approved for equipment use indicated by appropriate color yellow SKID TRAIL or orange TRUCK ROAD.
- Black and yellow flagging** – Caution, Wasp or Bee's nest.
- Red flagging** – Indicates a potential property boundary or project boundary.

## CONTACTS

### Environmental Specialist (ES)

<b>Jon Gee (ES)</b> Assistant Forester CAL FIRE (805) 903-3490	<b>Brandon Sanderson (ES)</b> Environmental Specialist CAL FIRE (805) 903-3491
<b>Dennis O'Neil</b> Fuels Battalion Chief CAL FIRE (805) 903-3496	<b>Andrew Johnson (ES)</b> Program Manager US-LTRCD (805) 536-3175

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RP Forester

# COVELL RANCH FOREST HEALTH FUELS REDUCTION PROJECT



### Environmental Training





# BIOLOGICAL RESOURCES AND ASSOCIATED AVOIDANCE AND MINIMIZATION MEASURES



## \*California Red-Legged Frog (CRLF)

- Federally Threatened and a California Species of Special Concern
- Small to medium sized (1 to 5 in long)
- Hind legs are sometimes red, pink, orange, or pale color
- Associated with water but may occur in upland throughout project
- Avoid disturbance. If ID contact ES immediately



## Pacific Tree Frog

- **Not** to be confused w/ CRLF
- **Not** Federally or State listed
- Small sized (0.75 to 2 in long)
- Green, tan, brown, gray body
- Wide dark stripe through the middle of each eye

## Nesting Birds

- Protected by the Federal Migratory Bird Treaty Act and CA Fish and Game Code
- Nesting season February - August
- Avoid disturbance



## Coast Range Newt

- California Species of Special Concern
- 5 - 8 inches long
- Avoid disturbance



## Ground Nesting Birds

- Multiple ground nesting species occur on site
- Located in small ground depressions surrounded w/ vegetation
- Avoid disturbance



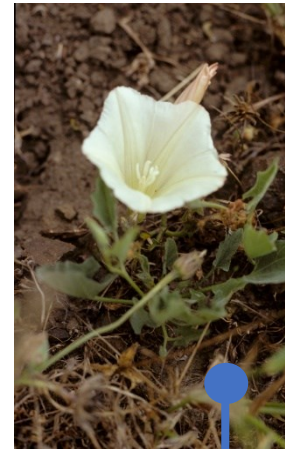
## Dead Tree Snag w/ Cavity Nests

- Nesting season February – August
- Minimum Buffer of 100 ft
- Avoid removal



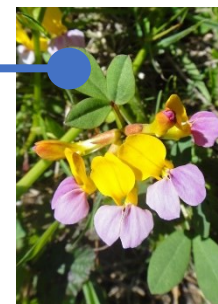
## Harlequin Lotus

- CA rare plant w/ limited distribution
- Associated w/ disturbed sites where soils are damp
- Avoid disturbance



## Cambria Morning-Glory

- CA rare plant w/ limited distribution specific to SLO Co.
- Associated w/ dry open scrub, chaparral, and foothill woodlands
- Avoid disturbance



## Dusky-Footed Woodrat Nest

- California Species of Special Concern
- Sticks piled up in mound at base of tree or shrub
- Avoid nest by 5-10 ft buffer



- Ensure an Environmental Specialist (**ES**) has conducted all pretreatment wildlife surveys prior to operation within special-status species habitat
- Prior to operations each day, ensure that an **ES** or designated representative (**DR**) has checked work areas for special-status species
- Ensure all vehicles and equipment are brought to and leave the project site clean and weed-free
- Stay out of all flagged exclusion zones (WLPZ, EEZ, & STZ)
- If a special-status species is observed within the project area, stop work immediately and notify an **ES**
- Avoid trees with bird or squirrel nests. Notify an **ES** if identified
- Avoid ground nesting bird nests (Nesting season February - August)
- Avoid dead tree snags w/ cavity nests unless tree presents safety hazard
- Avoid woodrat nests by 5-10 feet
- No mechanical or hand operations within 50 feet of Leffingwell creek & San Simeon creek tributary. 300-foot buffer when wet (wet season). \*Note WLPZ flagging
- No mechanical operations within 30 feet of Class III watercourse. \*Note EEZ flagging
- Do not conduct mechanical or herbicide treatments if the National Weather Service forecast indicates a 30 percent chance of rain or greater averaged during a work day from 6:00 am to 6:00 pm
- Do not conduct mechanical operations for 24-hours after a rain event that exceeds 0.20 inch and for 48-hours after a rain event that exceeds 1.0 inch. Operations may resume when soils are no longer saturated following the 24-hour period.
- Take pictures of observed wildlife and send to **ES**