

EXHIBIT A: MONTE RIO REDWOODS SHADED FUEL BREAK SCOPE OF WORK

1. PROJECT BACKGROUND AND DESCRIPTION

Monte Rio Redwoods Regional Park is a 515-acre wilderness park located in Western Sonoma County located at 8395 Tyrone Road, Monte Rio, CA. The goal of the project is to reduce hazardous wildfire fuel loads along a key access road through Monte Rio Redwoods Regional Park and to assist CAL FIRE in re-establishing a section of the historic Old Monte Rio Fire Break along the ridgeline. The shaded fuel break will vary in width from 100 feet wide (on both sides of road, 200 feet total) on the lower, flatter areas, and then narrow down to 50 feet wide (on both sides of road, 100 feet total) as the terrain becomes steeper. Along the ridgeline fuel break, it will return to 100 feet wide on both sides (200 feet total). The overall project will establish 27 acres of shaded fuel break (see map below).

The following scope of work for fuel treatments is intended to reduce fire hazard, improve emergency ingress and egress, improve tree growth, increase forest resilience, eliminate the vertical and horizontal continuity of vegetative fuels for the purpose of reducing the rate of fire spread, duration and intensity, fuel ignitability, and ignition of tree crowns. All work areas will be accessible by four-wheel drive road.

Conifers will be thinned in the understory up to 10 inches in diameter at breast height (dbh). Hardwood species will be thinned in the understory, up to six (6) inches in dbh. Trees larger than these limits that are proposed to be removed will be pre-identified in the field by Regional Parks Staff, or supervised designee, and marked with paint. Regardless of size, dead and dying tan oaks infected with Sudden Oak Death Syndrome (SODS) will be felled and loped and scattered. Shrubs providing continuous surface fuels will be thinned. All non-native broom plants will be removed. Additional prescriptions are included below.

Treatment Prescriptions

- Trees that are removed shall not make up a significant portion of the dominant or codominant canopy. Removal of trees shall not include the removal of the root ball, but shall consist of cutting and removing above-ground portions of trees only.
- Trees that are dead, dying, or diseased should be prioritized for removal over healthy trees of similar size classes.
- Remove fair vigor trees before good vigor trees, before excellent vigor trees.
- Retained tree spacing shall be intended to reduce the potential for fire spread via surface and ladder fuels.
- Conifers up to 10 inches dbh or hardwoods up to 6 inches dbh may be retained for succession if they occur in a forest light gap and they do not disrupt project objectives.
- Stumps shall be cut as close to ground level as possible, not to exceed 12-inches in height above the ground surface, measured from the uphill side.
- Trees overhanging the road shall be removed to the maximum extent feasible as not to disrupt soil stability.
- Where feasible and not detrimental to tree health, prune retained trees 10-12 feet above the ground.

- This work does not entail the removal of root balls and does not include any ground disturbance activities.

Debris Removal

- Conifers within 20 feet of the road will be removed and stockpiled at areas identified on the project map as “Landing.”
- Biomass generated by thinning activities (slash) will be loped and scattered throughout the project area. Material should be placed on contour to slow rainfall runoff where feasible.
- Remaining woody material within 10 feet of road will be chipped and spread back on areas adjacent to the road. The following guidelines should be followed for the disposal of material generated onsite:
 - Material that is loped and scattered onsite should be done in such a manner so that no part of it generally remains more than 18 inches above the ground.
 - Chipped material should be scattered onsite and should not be allowed to be deposited in piles that will increase fire risk. Avoid scattering chips into adjacent watercourses.
- Aesthetics: The project site occurs adjacent to future public trails and as such, the resulting work will be highly visible to visitors. The finished product should strive to attain the appearance of an open park-like setting with the visual impacts of slash and stumps reduced as much as possible.

Wildlife Protection Measures

- Regardless of vigor or crown class, retain trees that contain an active wildlife nest, wildlife hollows, acorn woodpecker granaries, or other signs of wildlife use. Retain dusky-footed woodrat nests.
- Retain wildlife trees and large snags when feasible and when they do not pose a threat to life and safety.

Rate and Payment Terms

All services included in this Scope of Work shall be completed on a time and materials basis pursuant to the terms of the Agreement. The maximum total billed to County for such work as is included in this Scope of Work shall be \$155,500. Additional work not included herein or any billing above \$155,500 shall be authorized only upon completion of a Supplemental Scope of Work signed by both parties.

Billing Rates and Charges Effective for the Scope of Work:

Subject: Prevailing Wage Daily Rates for Spye General Engineering's Forestry & Tree Work

2- Person Crew Daily Rate

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Price</u>
Principal/Supervisor	8	Hourly	\$100.00	\$800.00
Labor/sawyers	8	Hourly	\$90.00	\$720.00
Saws, Rigging, & Fire Equipment	1	Daily	\$250.00	\$250.00
Utility Truck	1	Daily	\$100.00	\$100.00
Fuel (vehicles, saws)	15	Per Gallon	\$7.00	\$105.00
Mileage	30	Per Mile	\$0.70	\$21.00
			Administrative Overhead	\$399.20
			Daily Rate	\$2,395.20

3- Person Crew Daily Rate

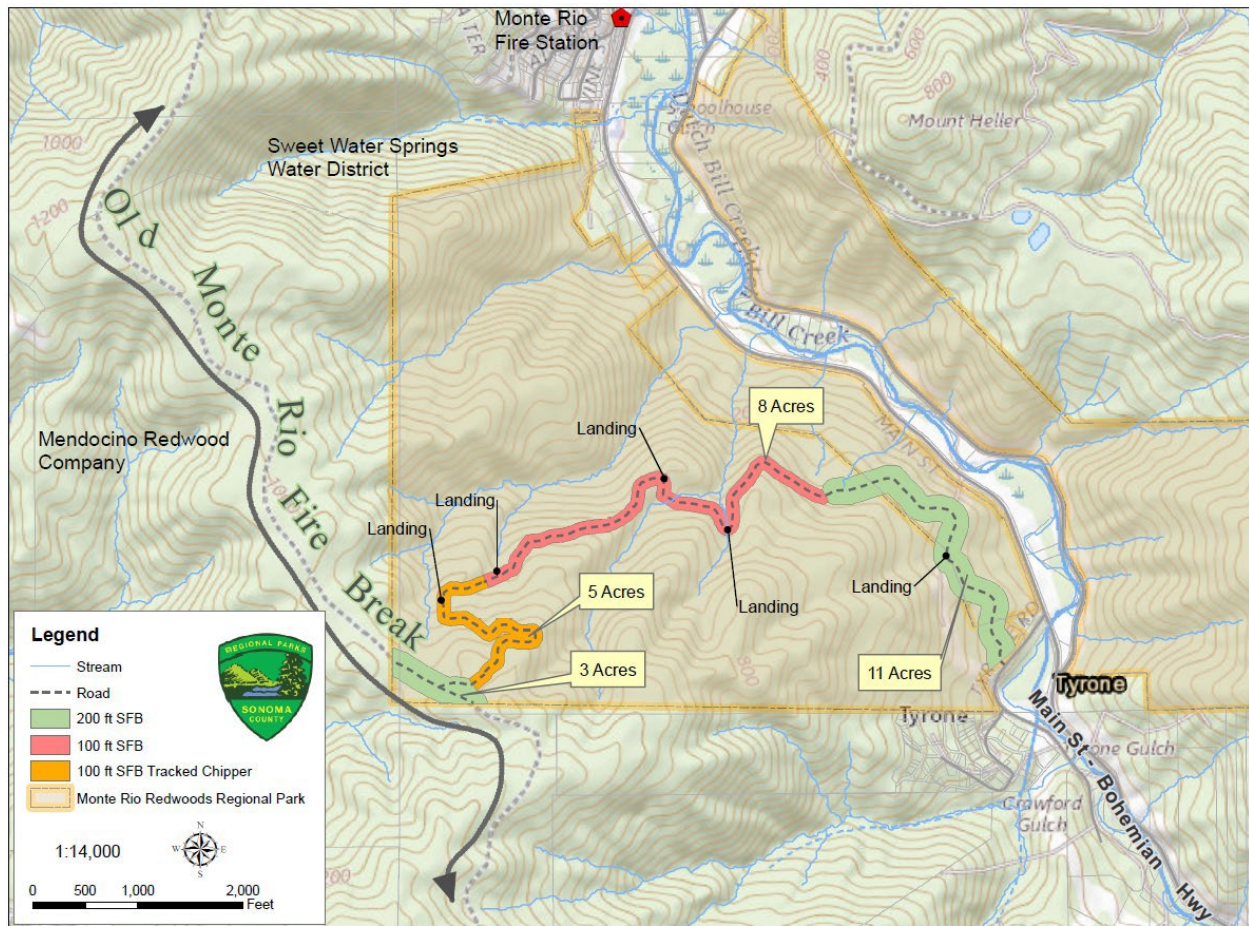
<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Price</u>
Principal/Supervisor	8	Hourly	\$100.00	\$800.00
Labor/sawyers	16	Hourly	\$90.00	\$1,440.00
Saws, Rigging, & Fire Equipment	1	Daily	\$250.00	\$250.00
Utility Truck	1	Daily	\$100.00	\$100.00
Fuel (vehicles, saws)	15	Per Gallon	\$7.00	\$105.00
Mileage	30	Per Mile	\$0.70	\$21.00
			Administrative Overhead	\$543.20
			Daily Rate	\$3,259.20

4- Person Crew Daily Rate

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Price</u>
Principal/Supervisor	8	Hourly	\$100.00	\$800.00
Labor/sawyers	24	Hourly	\$90.00	\$2,160.00
Saws, Rigging, & Fire Equipment	1	Daily	\$250.00	\$250.00
Utility Truck	1	Daily	\$100.00	\$100.00
Fuel (vehicles, saws)	15	Per Gallon	\$7.00	\$105.00
Mileage	30	Per Mile	\$0.70	\$21.00
			Administrative Overhead	\$687.20
			Daily Rate	\$4,123.20

Optional Equipment Daily Rates

<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Price</u>
UTV 19 with QTAC	1	Daily	\$220.00	\$220.00
Skidsteer with Brush Grapple	1	Daily	606.25	\$606.25
Vermeer 12" Towed Chipper	1	Daily	618.75	\$618.75
500-gallon water trailer	1	Daily	\$250.00	\$250.00



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