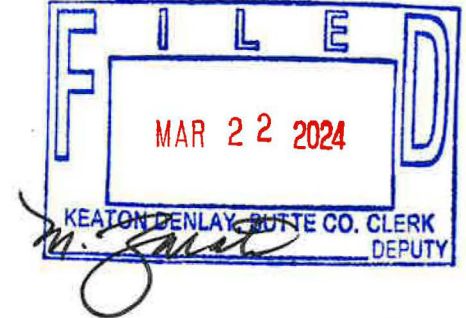


Notice of Exemption

To: Office of Planning and Research
P.O. Box 3044, Room 113 Sacramento, CA.
95965-3411

From: Butte County Resource Conservation District
150 Chuck Yeager Way, Ste. A
Oroville, CA 95965

County Clerk/ County of Butte
155 Nelson Ave.
Oroville, CA 95965-3411



Project Title: Butte Creek Camp Fire Post-Fire Project
Project Applicant: Butte County Resource Conservation District
Project Location - Specific: Centerville Road, Chico, CA. 95928
Project Location - City: Unincorporated
Project Location - County: Butte

Description of Nature, Purpose, and Beneficiaries of Project: This project is located on an existing unpaved road between the City of Chico and the Community of Magalia. The goals of this project are to improve road drainage, road access, and water quality conditions, as well as reduce erosion, and sediment delivery. To achieve this, project activities include: upgrading existing stream crossings; replacing and cleaning out ditch relief culverts and inboard ditches; adding riprap to buttress road fillslopes and dissipate energy at culverts; installing single-post trash racks; outsloping; small tree falling; and improving the road surface drainage.

Name of Public Agency Approving Project: Butte County Resource Conservation District
Name of Person or Agency Carrying Out Project: Butte County Resource Conservation District

Exempt Status: (check one)

- Ministerial (sec. 21080(b)(1); 15268);
- Declared Emergency (sec. 21080(b)(3); 15269(a));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. Class 2: Replacement or Reconstruction (§15302)
- Statutory Exemptions

Reasons why project is exempt: This project aims to improve and restore an existing public road following the disturbance of high intensity wildfire. The road work will be completed per the techniques described in the California Salmonid Stream Habitat Restoration Manual, 4th edition (CDFW 2010). Culvert replacement work will be consistent with current California Department of Fish and Wildlife (CDFW) and National Marine Fisheries Service (NMFS) guidelines concerning fish passage, including the Habitat Restoration Manual. Furthermore, botanical surveys have been conducted and rare plants are flagged for exclusion. To limit and avoid potential impacts to aquatic habitat, all work within stream channels shall be confined to the period June 1 through October 31 (or first significant rainfall event) of each year, and no less than 12 hours following any rain event greater than 0.5 inches. Work occurring outside of this window shall be subject to approval by CDFW on a week-to-week basis depending upon weather forecast conditions. Additionally, a qualified biologist will evaluate the site well in advance of construction to provide a site-specific plan for aquatic biological protection needs during construction.

Project implementation, as designed, would have less than significant impact in each resource area, and an exemption pursuant to §15302 is indicated.

Lead Agency Contact Person: Thad Walker, District Manager Area Code/Teletope/Extension: (530) 693-3173

If filed by applicant:

1. Attach certified document of exemption finding
2. Has a Notice of Exemption been filed by the public agency approving the project: yes

Signature: *David E. Lee* Date: 3-21-24 Title: David Lee, Chair, Board of Directors

Signed by Lead Agency

Signed by Applicant

Butte County Resource Conservation District
Butte Creek Camp Fire Post-Fire Recovery Project

Author: Thad Walker
Title: District Manager
Address: 150 Chuck Yeager Way, Ste. A, Oroville, CA. 95965
Phone: (530) 693-3153
Email: thad@bcrd.org

Project Name: Butte Creek Camp Fire Post-Fire Recovery Project
County: Butte
Acres: <1
Legal Location: MDM T23N R03E Sections 27, 28, 33, 34
Name of USGS 7.5' Quad Map(s): Paradise West

Project Vicinity Map Attached Project Location Map Attached Photos Attached

Other Public Agency Review/Permit Required:

Would the project result in:

- Alterations to a watercourse (DFG - Lake and Streambed Alteration Agreement)
- Conversion of timberland (Cal Fire - Conversion Permit or Exemption)
- Demolition (Local Air District - Demolition Permit)
- Soil disturbance over 1 acre (RWQCB SWPPP)
- Fill of possible wetlands (404 Permit - USACE)
- Other: 401 permit with RWCQB
- None/Not applicable

Project Description and Environmental Setting: Centerville Road serves as a connection between the City of Chico and the community of Magalia, with the community of Centerville partway between. It was also used as an emergency evacuation route during the 2018 Camp Fire. In response to the impacts of the fire, this project aims to implement erosion control and prevention measures to rapidly facilitate post-fire recovery and protect water quality. The Project will upgrade 22 stream crossings and replace 15 ditch relief culverts that are conduits of sediment on Centerville Road. In addition, all hydrologically connected road reaches that have the potential to funnel surface runoff and fine sediment have received recommendations to improve road surface drainage and reduce sediment delivery (listed below).

- 1) Install 1 culvert at stream crossing site.
- 2) Replace 17 undersized, poorly installed, or worn-out stream crossing culverts.
- 3) At 1 site, clean culvert inlet and interior of an existing stream crossing culvert.
- 4) Improve stream and ditch capacity at 1 diverted stream.
- 5) Install 17 critical dips to reduce diversion potential at stream crossings.
- 6) Use a total of 350 yd³ of riprap to buttress road fillslopes within the county right-of-way.
- 7) At 6 locations (3 stream crossings and 3 ditch relief culverts) install riprap energy dissipation structures
- 8) Install 20 sturdy single-post trash racks above stream crossing culvert inlets
- 9) Replace 15 existing ditch relief culverts to improve road surface drainage.
- 10) Install 27 new ditch relief culverts to improve road surface drainage.
- 11) Clean inlet area of existing ditch relief culvert at 3 locations.
- 12) At 4 locations, outslope the road and keep the inboard ditch for a total of 2,060 linear ft.
- 13) At 11 locations, cut and/or clean inboard ditch to achieve proper capacity for a total of 2,370 linear ft.

Environmental Impacts Analysis

Aesthetics:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Agriculture and Forest Resources:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
No mature scenic trees will be felled, and no prime or unique farmland converted to non-ag uses.
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Air Quality

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
Activities associated with the project will temporarily generate a small amount of additional emissions. Generated emissions are temporary and episodic and would not be considered substantial given the project's small nature.
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Biological Resources:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
BCRCD conducted a nine-quad search of CNDDDB resources to confirm no animal species with special status at the State level that could be harmed by the project have the potential to occur on-site. BCRCD found the integrated design features of the proposed project were adequate to avoid any significant impacts on rare or common wildlife. Additionally, a pre-construction survey for reptiles and amphibians shall be performed by the project biologist no more than 48 hours in advance of any ground-disturbing activities within wetted streambeds, and a biological monitor shall be present during work within a wetted stream, including any dewatering activities. Non-listed species, if found, shall be relocated to suitable habitat outside the Project Site. If special status species are present, CDFW will be contacted and work shall be halted until authorized to resume by CDFW and the project biologist.
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Cultural Resources:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
Archaeological surveys were conducted and no sites were found, therefore no additional mitigation measures are needed. However, an archaeologist will be on call if any sites are found during implementation.
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Energy:

- This topic does not apply to this project and was not evaluated further.

This topic could apply to this project, and results of the assessment are provided below:
Project activities will utilize the required amounts of energy in the short term to implement improvements to Centerville Road. Project activities will not result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources.

Based on the above analysis, an exemption *is not appropriate for this project*

No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Geology and Soils:

This topic does not apply to this project and was not evaluated further.

This topic could apply to this project, and results of the assessment are provided below:

Both mechanical and vegetative measures will be employed to minimize erosion from stream crossing and ditch relief culvert upgrading. Erosion control measures will include (but are not limited to): minimizing soil exposure by limiting excavation areas and heavy equipment disturbance; installing filter windrows of slash at the base of road fill to minimize the movement of soil downslope; retaining rooted trees and shrubs at the base of the fill as an "anchor for the fill and filter windrows; cut and fills will be minimized by mulching, seeding, planting, compaction, armoring, and/or benching prior to first rains; excess or unstable soil will be stored in long term disposal locations; on running streams, water diversion plan; and straw bales and/or silt fencing where necessary to control runoff.

Based on the above analysis, an exemption *is not appropriate for this project*

No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Greenhouse Gas Emissions:

This topic does not apply to this project and was not evaluated further.

This topic could apply to this project, and results of the assessment are provided below:

Activities associated with the project will temporarily generate a small amount of additional emissions. Generated emissions are temporary and episodic and would not be considered substantial given the project's small nature.

Based on the above analysis, an exemption *is not appropriate for this project*

No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Hazards and Hazardous Materials:

This topic does not apply to this project and was not evaluated further.

This topic could apply to this project, and results of the assessment are provided below:

No hazardous material or hazardous waste sites are in or near the project area and the project as designed will not expose people to additional hazards or hazardous materials.

Based on the above analysis, an exemption *is not appropriate for this project*

No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Hydrology and Water Quality:

This topic does not apply to this project and was not evaluated further.

This topic could apply to this project, and results of the assessment are provided below:

To limit and avoid potential impacts to aquatic habitat, all work within stream channels shall be confined to the period June 1 through October 31 (or first significant rainfall event) of each year, and no less than 12 hours following any rain event greater than 0.5 inches. Work occurring outside of this window shall be subject to approval by CDFW on a week-to-week basis depending upon weather forecast conditions. Additionally, a qualified biologist will evaluate the site well in advance of construction to provide a site-specific plan for aquatic biological protection needs during construction. Erosion mitigation measures as described above in the Geology and Soil analysis will further protect water quality.

Based on the above analysis, an exemption *is not appropriate for this project*

No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Land Use and Planning:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Mineral Resources:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Noise:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:

Some noise generated from gasoline-powered equipment would be part of the project during ordinary working hours. A handful of homes are near the project area which will be given two week notice before implementation begins and updates 72 hours before working on private land.

- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Population and Housing:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Public Services:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:

This project will not increase the need for any public services or utilities.

- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Recreation:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Transportation/Traffic:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:

This project will require the closure of 2.4 miles of Centerville Road during working hours. Nearby residents will be notified before the project begins and updated 72 hours before working on their property. Steel road sheets will be onsite in case there is a need to temporarily cover open excavations for use during an emergency.

- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Tribal Cultural Resources:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:

Archaeological surveys which included sacred lands search were conducted and no sites were found, therefore no additional mitigation measures are needed. However, an archaeologist will remain on call during implementation.

- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Utilities and Service Systems:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Wildfire:

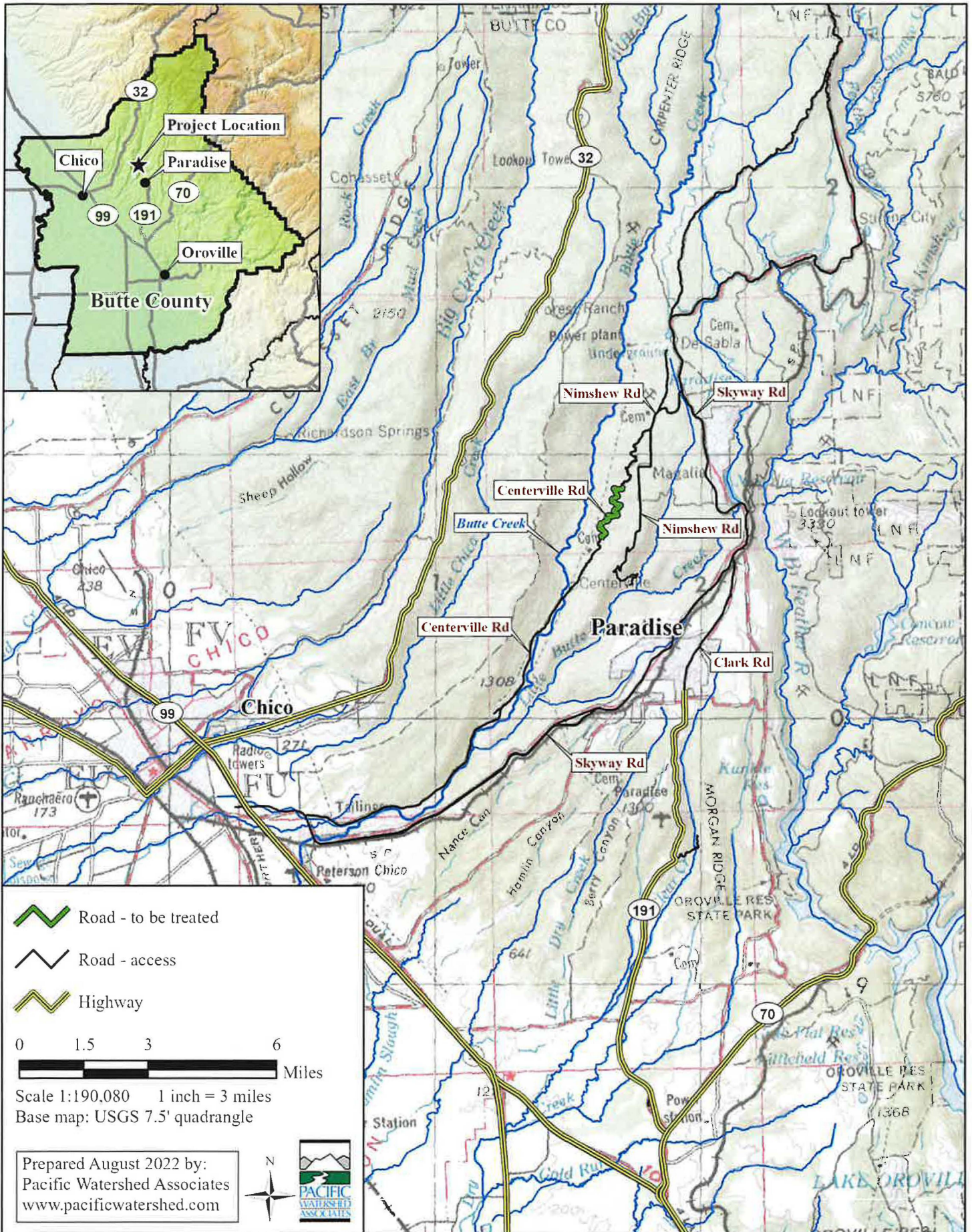
- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:

The project will not exacerbate fire risks and will result in an improved informal evacuation route for the future.

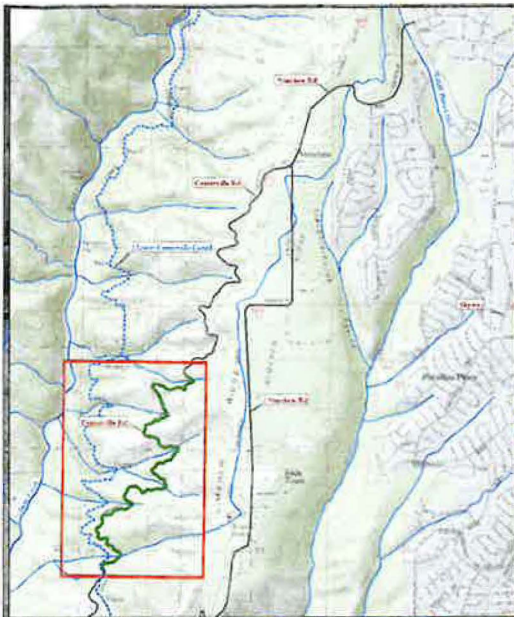
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.

Mandatory Findings of Significance:

- This topic does not apply to this project and was not evaluated further.
- This topic could apply to this project, and results of the assessment are provided below:
The project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory. The project does not have impacts that are cumulatively considerable (i.e., incremental effects that become considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects). The project does not have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly.
- Based on the above analysis, an exemption *is not appropriate for this project*
- No unusual circumstances exist. Project qualifies as exempt under CEQA Guidelines §15302.



Map 1. Location Map for the Butte Creek Camp Fire Post-Fire Recovery Project, Butte County, California.



DRAFT

● Stream crossing proposed for treatment (requires pre-treatment)
● Existing stream crossing (no treatment required)
● Ditch relief culvert (replace existing)
● Existing DRC (no treatment required)
◇ Critical dip
◇ Road surface discharge point
● Start of survey
● End of survey
● Start road treatment
● End road treatment
○ Drainage divide
○ Station 100-foot interval
— Road - to be treated
— Other road
— Stream
— Canal
— Parcel boundary

Scale 1:2,400 1 inch = 200 feet
 Contour interval - 40 feet
 Image - 2020 NAD
 Parcel data - 2020 Butte County GIS

Abbreviations
 CD - Critical dip
 CCD - C-11 clean ditch
 DD - Drainage divide
 DRC - Ditch relief culvert
 EOS - End of survey
 ED - Edge ditch
 OSR - Overlap road
 RSDP - Road surface discharge point
 SC - Stream crossing
 SOS - Start of survey

* - denotes portions of data placed on restriction of use

Prepared August 2024 by
 Pacific Environmental Associates
www.pacificenvironmental.com

Map 2. Treatment Sites and Road Drainage Features, Butte Creek Camp Fire Post-Fire Recovery Project, Butte County, California

References

Baumberger KL, Eitzel MV, Kirby ME, Horn MH. Public Library of Science. 2019. Movement and habitat selection of the western spadefoot (*Spea hammondi*) in southern California. doi:10.1371/journal.pone.0222532.

CNDDDB (California Natural Diversity Database). 2022. Commercial subscription version. Accessible at <https://apps.wildlife.ca.gov/bios/?tool=cnddbQuick>.

California Native Plant Society. Calscape. Accessible at <https://calscape.org/>.

Cal Flora. A non-profit database providing information on wild California plants. Accessible at [Calflora - Search for Plants](#).

California Wildlife Habitat Relationships. Accessible at [California Wildlife Habitat Relationships](#).

U.C. Davis Center for Watershed Science. 2012. California Fish Data and Management Software. Accessible online at <https://pisces.sf.ucdavis.edu/fish-data>.

Table 3. CDFW CNDDDB Species Status List for 9-Quad Search for *Paradise West Quadrangle (Quad ID 3912176)* and Adjacent Quadrangles, query performed March 2024 for the *Butte Creek Camp Fire Post-Fire Recovery Project, Butte County, California.*

Taxonomic Abbreviations:

DPS = Distinct Population Segment; SSP = subspecies; Var = Variety.

Federal and State Special Status Abbreviations:

N = None; E = Endangered; T = Threatened; P = Proposed; C = Candidate; R = Rare; D = Delisted.

CDFW Special Status Abbreviations:

SSC = Species of Special Concern; FP = Fully Protected; WL = Watch List.

California Native Plant Society Designations:

List 1: Plants of highest priority.

List 1A: Plants presumed extinct in CA.

List 1B: Plants rare and endangered in CA and elsewhere.

List 2A: Plants presumed extirpated in CA but common elsewhere.

List 2B: Plants rare, threatened or endangered in CA but common elsewhere.

List 3: Plants for which additional data are needed – Review List.

List 4: Plants of limited distribution – Watch List.

CNPS Threat Code Extensions:

.1 - Seriously endangered in CA.

.2 – Fairly endangered in CA.

.3 – Not very endangered in CA.

Scientific Name	Common Name	Special Status			CA Rare Plant Rank	Project May Affect?
		Federal	State	CDFW		
Amphibians						
<i>Rana boylei pop. 1</i>	Foothill Yellow-Legged Frog - North Coast DPS	N	N	SSC	-	No; if found species will be relocated to suitable habitat outside of project site
<i>Rana boylei pop. 2</i>	Foothill Yellow-Legged Frog - Feather River DPS	T	T	-	-	No; if found work will be halted until authorized to resume by CDFW and project biologist
<i>Spea hammondi</i>	Western Spadefoot	PT	N	SSC	-	No; if found species will be relocated to suitable habitat outside of project site
Birds						
<i>Accipiter atricapillus</i>	American Goshawk	N	N	SSC	-	No; project will not remove any nesting trees or reduce raptor habitat
<i>Aquila chrysaetos</i>	Golden Eagle	N	N	FP WL	-	No; project will not remove any nesting trees or reduce raptor habitat
<i>Buteo swainsoni</i>	Swainsons Hawk	N	T	-	-	No; project will not remove any nesting trees or reduce raptor habitat

Scientific Name	Common Name	Special Status			CA Rare Plant Rank	Project May Affect?
<i>Elanus leucurus</i>	White-Tailed Kite	N	N	FP	-	No; prefer woodland or grassland habitats
<i>Haliaeetus leucocephalus</i>	Bald Eagle	D	E	FP	-	No; project will not impact old growth trees or snags for nesting
<i>Gymnogyps californianus</i>	California Condor	E	E	FP	-	No; project will not impact nesting habitat such as snags or rocky cliffs
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	D	D	-	-	No; prefer to nest on cliffs
<i>Antigone canadensis tabida</i>	Greater Sandhill Crane	N	T	FP	-	No; prefer to nest in isolated wetlands
<i>Progne subis</i>	Purple Martin	N	N	SSC	-	No; project will not impact oak woodland habitat
<i>Agelaius tricolor</i>	Tricolored Blackbird	N	T	SSC	-	No; nesting typically occurs along the water's edge in tall growth such as willow or cattails. Project will not impact any nesting structures
<i>Icteria virens</i>	Yellow-Breasted Chat	N	N	SSC	-	No; prefer riparian habitats with a well developed shrub layer
<i>Pandion haliaetus</i>	Osprey	N	N	WL	-	No; project will not remove any snags or large trees
<i>Setophaga petechia</i>	Yellow Warbler	N	N	SSC	-	No; prefers woods and thickets along the edges of streams
<i>Laterallus jamaicensis coturniculus</i>	California Black Rail	N	T	FP	-	No; nest in wet meadows or marshes
<i>Asio otus</i>	Long-Eared Owl	N	N	SSC	-	No; project will not remove nesting trees
<i>Athene cunicularia</i>	Burrowing Owl	N	N	SSC	-	No; pre-construction bird survey would identify any sites to avoid during construction
<i>Strix nebulosa</i>	Great Gray Owl	N	E	-	-	No; will not impact mixed fir/conifer forest habitat
<i>Strix occidentalis occidentalis</i>	California Spotted Owl	N	N	SSC	-	No; project will not remove old growth trees
<i>Selasphorus rufus</i>	Rufous Hummingbird	N	N	-	-	No; although the project may need to remove a

Scientific Name	Common Name	Special Status			CA Rare Plant Rank	Project May Affect? few small maple trees, it will not significantly impact the population especially given the proximity to an existing road
<i>Vireo bellii pusillus</i>	Least Bells Vireo	E	E	-	-	No; prefer to nest in lowland riparian woodlands
Crustaceans						
<i>Branchinecta lynchi</i>	Vernal Pool Fairy Shrimp	T	N	-	-	N/A
<i>Linderiella occidentalis</i>	California Linderiella	N	N	-	-	N/A
<i>Stygobromus gallawayae</i>	Galloways Amphipod	N	N	-	-	N/A
<i>Lepidurus packardii</i>	Vernal Pool Tadpole Shrimp	E	N	-	-	N/A
Fish						
<i>Cottus gulosus</i>	Riffle Sculpin	N	N	SSC	-	No; there will be no new stream crossings
<i>Hesperoleucus symmetricus symmetricus</i>	Central California Roach	N	N	SSC	-	No; there will be no new stream crossings
<i>Hysterothorax traskii traskii</i>	Sacramento-San Joaquin Tule Perch	N	N	-	-	No; there will be no new stream crossings
<i>Oncorhynchus mykiss irideus (pop. 11)</i>	Steelhead - Central Valley DPS	T	N	-	-	No; project will not have downstream impacts on Butte Creek
<i>Oncorhynchus tshawytscha (pop. 11)</i>	Chinook Salmon - Central Valley Spring-Run ESU	T	T	-	-	No; project will not have downstream impacts on Butte Creek
Insects						
<i>Bombus crotchii</i>	Crotchs Bumble Bee	N	CE	-	-	No; project will not significantly impact floral resources
<i>Bombus morrisoni</i>	Morrison Bumble Bee	N	N	-	-	No; project will not significantly impact floral resources
<i>Bombus occidentalis</i>	Western Bumble Bee	N	CE	-	-	No; project will not significantly impact floral resources
<i>Bombus pensylvanicus</i>	American Bumble Bee	N	N	-	-	No; project will not significantly impact floral resources
<i>Desmocerus californicus dimorphus</i>	Valley Elderberry Longhorn Beetle	T	N	-	-	No; project will not remove any host plant elderberry species

Scientific Name	Common Name	Special Status			CA Rare Plant Rank	Project May Affect?
<i>Atractelmis wawona</i>	Wawona Riffle Beetle	N	N	-	-	No; no new stream crossings will be proposed, reduction in sediment delivery will ultimately benefit species
Mammals						
<i>Vulpes vulpes patvin</i>	Sacramento Valley Red Fox	N	N	-	-	No; prefers to den in valley floor grasslands
<i>Erethizon dorsatum</i>	North American Porcupine	N	N	-	-	No; project will not impact den sites (hollow logs, rocks, tree roots)
<i>Eumops perotis californicus</i>	Western Mastiff Bat	N	N	SSC	-	No; typically roost in rock crevices, cliffs, or tunnels which the project will not impact
<i>Pekania pennanti</i>	Fisher	N	N	SSC	-	No; project will not impact dense forest habitat
<i>Bassariscus astutus raptor</i>	Northern California Ringtail	N	N	FP	-	No; project will not impact rocky habitat
<i>Antrozous pallidus</i>	Pallid Bat	N	N	SSC	-	No; project will not impact roosting structures
<i>Lasionycteris noctivagans</i>	Silver-Haired Bat	N	N	-	-	No; roosting structures including small tree hollows, loose tree bark, wood piles, cliffs, and caves will not be impacted
<i>Lasiurus cinereus</i>	Hoary Bat	N	N	-	-	No; will not impact roosting structures
<i>Lasiurus frantzii</i>	Western Red Bat	N	N	SSC	-	No; prefer to roost in riparian habitat such as sycamore, cottonwood, velvet ash, and elder trees
<i>Myotis yumanensis</i>	Yuma Myotis	N	N	-	-	No; project will not impact roosting structures or riparian foraging habitat
Mollusks						
<i>Monadenia churchi</i>	Klamath Sideband	N	N	-	-	No; no new stream crossings are proposed,

Scientific Name	Common Name	Special Status			CA Rare Plant Rank	Project May Affect? reduction in sediment delivery will ultimately benefit
<i>Margaritifera falcata</i>	Western Pearlshell	N	N	-	-	No; no new stream crossings are proposed, reduction in sediment delivery will ultimately benefit
Reptiles						
<i>Emys marmorata</i>	Western Pond Turtle	PT	N	SSC	-	No; no new stream crossings will be built
<i>Phrynosoma blainvillii</i>	Coast Horned Lizard	N	N	SSC	-	No; project will not impact suitable habitat
Natural Communities - Terrestrial						
<i>Great Valley Cottonwood Riparian Forest</i>	Great Valley Cottonwood Riparian Forest	N	N	-	-	No; project will not remove any species associated with this community
<i>Great Valley Mixed Riparian Forest</i>	Great Valley Mixed Riparian Forest	N	N	-	-	No; project will not remove any species associated with this community
<i>Great Valley Valley Oak Riparian Forest</i>	Great Valley Valley Oak Riparian Forest	N	N	-	-	N/A
<i>Northern Basalt Flow Vernal Pool</i>	Northern Basalt Flow Vernal Pool	N	N	-	-	N/A
<i>Northern Hardpan Vernal Pool</i>	Northern Hardpan Vernal Pool	N	N	-	-	N/A
<i>Northern Volcanic Mud Flow Vernal Pool</i>	Northern Volcanic Mud Flow Vernal Pool	N	N	-	-	N/A
Plants - Bryophytes						
<i>Mielichhoferia elongata</i>	Elongate Copper Moss	N	N	-	4.3	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
Plants - Lichens						
<i>Scytinium siskiyouense</i>	Siskiyou Jellyskin Lichen	N	N	-	1B.1	N/A
Plants - Vascular						
<i>Allium jepsonii</i>	Jepsons Onion	N	N	-	1B.2	N/A
<i>Allium sanbornii</i> var. <i>sanbornii</i>	Sanborns Onion	N	N	-	4.2	N/A
<i>Balsamorhiza macrolepis</i>	Big-Scale Balsamroot	N	N	-	1B.2	No; project botanist determined tht current

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<i>Calycadenia oppositifolia</i>	Butte County Calycadenia	N	N	-	4.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Erigeron petrophilus</i> var. <i>sierrensis</i>	Northern Sierra Daisy	N	N	-	4.3	N/A
<i>Hesperervax caulescens</i>	Hogwallow Starfish	N	N	-	4.2	N/A
<i>Layia septentrionalis</i>	Colusa Layia	N	N	-	1B.2	N/A
<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Roses Ragwort	N	N	-	1B.2	N/A
<i>Azolla microphylla</i>	Mexican Mosquito Fern	N	N	-	4.2	N/A
<i>Cryptantha rostellata</i>	Red-Stemmed Cryptantha	N	N	-	4.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	Dissected-Leaved Toothwort	N	N	-	1B.2	N/A
<i>Streptanthus drepanoides</i>	Sickle-Fruit Jewelflower	N	N	-	4.3	N/A
<i>Githopsis pulchella</i> ssp. <i>serpentinicola</i>	Serpentine Bluecup	N	N	-	4.3	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Paronychia ahartii</i>	Aharts Paronychia	N	N	-	1B.1	N/A
<i>Calystegia atriplicifolia</i> ssp. <i>buttensis</i>	Butte County Morning-Glory	N	N	-	4.2	N/A
<i>Hesperocyparis bakeri</i>	Baker Cypress	N	N	-	4.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Bulbostylis capillaris</i>	Thread-Leaved Beakseed	N	N	-	4.2	No; project botanist determined tht current project designs are

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<i>Carex xerophila</i>	Chaparral Sedge	N	N	-	1B.2	N/A
<i>Rhynchospora californica</i>	California Beaked-Rush	N	N	-	1B.1	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Rhynchospora capitellata</i>	Brownish Beaked-Rush	N	N	-	2B.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Arctostaphylos mewukka ssp. truei</i>	Trues Manzanita	N	N	-	4.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Euphorbia hooveri</i>	Hoovers Spurge	T	N	-	1B.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Astragalus pauperculus</i>	Depauperate Milk-Vetch	N	N	-	4.3	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Rupertia hallii</i>	Halls Rupertia	N	N	-	1B.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Juncus leiospermus var. leiospermus</i>	Red Bluff Dwarf Rush	N	N	-	1B.1	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Monardella venosa</i>	Veiny Monardella	N	N	-	1B.1	No; project botanist determined tht current

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<i>Calochortus syntrophus</i>	Callahans Mariposa-Lily	N	N	-	1B.1	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Fritillaria eastwoodiae</i>	Butte County Fritillary	N	N	-	3.2	No; all species will be pin-flagged early in the spring for summer construction seasom avoidance
<i>Fritillaria pluriflora</i>	Adobe-Lily	N	N	-	1B.2	N/A
<i>Lilium humboldtii ssp. humboldtii</i>	Humboldt Lily	N	N	-	4.2	No; project botanist found one occurrence and determined that the project's zone of disturbance will not impact.
<i>Limnanthes floccosa ssp. californica</i>	Butte County Meadowfoam	E	E	-	1B.1	N/A
<i>Limnanthes floccosa ssp. floccosa</i>	Woolly Meadowfoam	N	N	-	4.2	N/A
<i>Hibiscus lasiocarpus var. occidentalis</i>	Woolly Rose-Mallow	N	N	-	1B.2	N/A
<i>Sidalcea gigantea</i>	Giant Checkerbloom	N	N	-	4.3	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Sidalcea robusta</i>	Butte County Checkerbloom	N	N	-	1B.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Claytonia palustris</i>	Marsh Claytonia	N	N	-	4.3	N/A
<i>Claytonia parviflora ssp. grandiflora</i>	Streambank Spring Beauty	N	N	-	4.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary

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<i>Clarkia gracilis ssp. albicaulis</i>	White-Stemmed Clarkia	N	N	-	1B.2	No; the project will take place during the plant's season of dormancy (i.e., the project will be implemented after July 30 or after a botanist confirms the plant is dormant, whichever comes first; but before Dec 1. Furthermore, a botanist would collect seed of plants in the disturbance zone just before implementation. This seed would be re-scattered into the newly disturbed soil following implementation
<i>Clarkia mildrediae ssp. lutescens</i>	Golden-Anthered Clarkia	N	N	-	4.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Clarkia mildrediae ssp. mildrediae</i>	Mildreds Clarkia	N	N	-	1B.3	N/A
<i>Clarkia mosquinii</i>	Mosquins Clarkia	N	N	-	1B.1	NA
<i>Cypripedium fasciculatum</i>	Clustered Ladys-Slipper	N	N	-	4.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Piperia colemanii</i>	Colemans Rein Orchid	N	N	-	4.3	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Castilleja rubicundula var. rubicundula</i>	Pink Creamsacs	N	N	-	1B.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Erythranthe glaucescens</i>	Shield-Bracted Monkeyflower	N	N	-	4.3	No; this project will take place during this plant's season of dormancy (i.e. the project will be implemented after July 4 but before Dec 1)

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<i>Erythranthe inconspicua</i>	Small-Flowered Monkeyflower	N	N	-	4.3	N/A
<i>Penstemon personatus</i>	Closed-Throated Beardtongue	N	N	-	1B.2	N/A
<i>Imperata brevifolia</i>	California Satintail	N	N	-	2B.1	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Tuctoria greenei</i>	Greenes Tuctoria	E	R	-	1B.1	N/A
<i>Leptosiphon ambiguus</i>	Serpentine Leptosiphon	N	N	-	4.2	N/A
<i>Navarretia heterandra</i>	Tehama Navarretia	N	N	-	4.3	N/A
<i>Eriogonum umbellatum var. ahartii</i>	Aharts Buckwheat	N	N	-	1B.2	N/A
<i>Polygonum bidwelliae</i>	Bidwells Knotweed	N	N	-	4.3	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Stuckenia filiformis ssp. alpina</i>	Northern Slender Pondweed	N	N	-	2B.2	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary
<i>Frangula purshiana ssp. ultramafica</i>	Caribou Coffeeberry	N	N	-	1B.2	N/A
<i>Brodiaea rosea ssp. vallicola</i>	Valley Brodiaea	N	N	-	4.2	N/A
<i>Brodiaea sierrae</i>	Sierra Foothills Brodiaea	N	N	-	4.3	No; project botanist determined tht current project designs are sufficient and no additional mitigations are necessary