

## Chapter 8 Environmental Checklist

### General Notes:

The CEQA guidelines at 15168 describe Program EIRs; [more particularly, ~~and section~~ 15168\(c\)\(4\)](#) describes the suggestion that the adopting agency “should use a written checklist or similar evaluation” to document the evaluation of the site and the activities proposed to determine whether the environmental effects of the operation were covered in the Program EIR. The checklist that follows shall be completed by the lead agency for all VTP projects. The completed checklist will indicate whether the proposed project is in compliance with the Minimum Landscape Constraints, Management Requirements, and other requirements noted in the PEIR, thereby indicating whether the environmental effects of the proposed project are consistent with the analysis in the EIR.

In addition, a completed checklist documents whether a particular proposed project’s site-specific effects are less than significant with or without the use of the Mitigation Measures proposed in the EIR. If the project’s site specific impacts might be significant without mitigation, the lead agency will identify application of one or more of the Mitigation Measures described in the EIR, and, using the monitoring procedures in Chapter 7, monitor the impacts to the environment of the proposed project.

In CEQA terms, the VTP environmental checklist is essentially an “Initial Study”. If the checklist reveals no significant adverse impacts resulting from the VTP project, then the project is in compliance with CEQA.

If the project could create environmental impacts that have not been addressed or that cannot be avoided using measures from this “checklist”, CEQA requires the Department to do a supplemental environmental analysis and public review through the State Clearinghouse, or make a finding of overriding considerations. If this is the case for a specific project, contact VTP Sacramento staff for [instructions](#).

Following a section that requests basic information about the size and location of the project and the types of projects to be employed, the Checklist addresses 14 resource areas, and requires project submitters to delineate how their project will conform to the conditions and procedures stipulated in the Vegetation Treatment Program EIR. Specific instructions about how to use the checklist appear on page 3, before the first resource area, Wildlife.

**Project proponent:**

Name of project:	Date prepared:
Name of lead agency:	
Division or branch, if any:	Contact person:
Phone:	Email:
Mailing address:	

**Project details:**

Project area (acres):	Planned dates of operations:      to	
<b>Acres proposed for each treatment type:</b>		
Manual:	Mechanical:      Herbicide:	
Prescribed fire:	Herbivory:	
<b>Vegetation types included in treatment area (check all that apply):</b>		
Conifer forest <input type="checkbox"/>	Conifer woodland <input type="checkbox"/>	Hardwood forest <input type="checkbox"/>
Hardwood woodland <input type="checkbox"/>	Herbaceous <input type="checkbox"/>	Shrub <input type="checkbox"/>
Desert shrub <input type="checkbox"/>	Desert woodland <input type="checkbox"/>	
<b>Project location:</b>		
County/counties:	Township(s), Range(s), and Section(s):	
	Meridian: Humboldt <input type="checkbox"/> Diablo <input type="checkbox"/> San Bernardino <input type="checkbox"/>	
Planning Watershed(s) CALWATER Version, Identification Number, and Name: Name of nearest tributary or tributaries:		
Regional Water Quality Control Board:		
Air Quality Management District:		
Coordinates of point near project center: Latitude      Longitude		



## ENVIRONMENTAL CHECKLIST

### Notes on the items included in this checklist:

#### CHAPTER HEADING:

The chapter heading lists the section of the VTP that discusses the effects of VTP treatments to a specific resource; for example **5.5.2 - Wildlife**. All of the following checklist items are derived from constraints or directions included in the indicated chapter.

#### CONDITIONS:

Conditions that would avoid significant impacts include physical or biological site characteristics, season, climate, duration or size of project, tools or techniques used in the project or other site or treatment specific factor. Such conditions may negate the necessity of applying mitigation measures or other procedures necessary to reduce impacts from treatments.

#### PROCEDURE:

The project proponent will check any procedures that will be applied to lessen or avoid impacts for each resource area topic. Procedures are derived from Landscape Constraints (LC), Minimum Management Requirements (MMR), Mitigation Measures, or Checklist Items as referenced in the indicated chapter. Checking boxes to denote adherence to a particular LC, MMR, Mitigation Measure, or Checklist Item is not necessary unless the circumstance that generates the need for such a procedure exists on the project site (i.e., all checklist boxes do not have to be checked unless they apply.)

#### OTHER:

If the condition or procedure that is checked in the checklist is not adequately described by the wording of that portion of the checklist, or if the item directs the project proponent to do so, the proponent must add appropriate information in the "Other" section, or attach documentation/information as necessary to adequately describe a condition or procedure that will be applied to the project.

**Comment [D2]:** Do we also need to allow an explanation of project redesign after consultation to avoid significant impacts.

NOTE: Project Proponent must check a box on each line of the following form. any boxes that apply to the Project. Boxes that do not apply to the Project need not be checked. Any Conditions or Use the "Other" section at the end of each resource area allows for description of Procedures not already listed but which may have an effect on resources related to the Project, to explain or clarify boxes checked above, or for to describe intended deviations from any applicable procedure that is outlined in the Program EIR. In the Procedures section, each "Applies with modifications" answer must be explained under "Other", ing reasons why a particular box in the list above might not be checked.

## 5.5.2 Wildlife

<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. There are no known rare or endangered plant or animal species in or adjacent to the project area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DF&W/USF&WS recommendations as described below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Additional reasons as described below under Other.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
d. Appropriate buffer zones, seasonal restrictions, firing techniques, etc., consistent with regulatory guidelines and recognized taxa-specific conservation measures, will be implemented in areas where special status species, as defined by DFG (DFG, 2006), are known to occur. Such measures will be designed to protect and improve habitat for special status species. (LC 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. A database search has been conducted for the project by a query of the most reasonably available sources and databases for biological information, including but not limited to, the CNDDDB and BIOS. The search has included a minimum search area of nine (9) USGS Quadrangles surrounding the project area. (LC 5, MMR 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. The project area extends into multiple quadrangles and all adjacent quadrangles have been included in the database search. (LC 5, MMR 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. On the ground surveys have been conducted, as determined to be necessary, to determine presence/absence of special-status plants or animals and to determine and evaluate site-specific impacts.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Procedure (LC, MMR, Mitigation, Checklist)</i>	Yes	No	Applies with modifications	N/A
(MMR 5)				

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
h. The applicant has evaluated the potential direct and indirect impacts caused by the Project. (MMR 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. The wildlife agencies have been notified in writing with the Project scoping information (including the evaluation of direct and indirect impacts and the results of the database search), and asked for comments and recommendations. (MMR 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. The lead agency, as a result of consultation with the appropriate State or Federal agencies, or a qualified biologist, has modified the project design, and/or incorporated mitigation to avoid significant adverse environmental impacts to special status species and other species. (MMR 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. The lead agency has determined that avoidance is not possible, and appropriate take permits (Federal Endangered Species Act (ESA) or California ESA) have been obtained so the project may proceed. (MMR 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Within the project area, overstory canopy has not been reduced within northern spotted owl territories. (Mitigation Measure 5.5.2-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. In areas where vegetation that provides critical habitat for special status plant taxa (such as valley elderberry in longhorn beetle habitat) occur, only hand (manual) treatments shall be used. Crewmembers shall be trained to recognize and avoid vegetation of particular concern where it occurs. Treatments shall focus on invasive plants that may inhibit establishment and growth of such species where it has been deemed appropriate by a biologist, botanist or agency personnel. (Mitigation Measure 5.5.2-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
n. Mechanical treatments shall not be used where special status burrowing species (for example, San Joaquin kit fox), or those for which burrows are a critical habitat element, are known or likely to occur. (Mitigation Measure 5.5.2-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Special status burrowing species are likely to occur within the project area. Immediately prior to treatment, extensive burrow surveys will be carried out in the treatment area, and no-treatment buffers will be established around any burrows that are found. (Mitigation Measure 5.5.2-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. Special status terrestrial amphibians such as salamanders are known or likely to occur within the project area. Prescribed fire shall be monitored closely post project to determine if burned cover objects should be replaced. New unburned cover objects shall be introduced at a one-to-one rate (or higher) to replace unsuitable burned cover objects and to enhance habitat quality for amphibians. (Mitigation Measure 5.5.2-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. Special status amphibians are known or suspected to be using riparian zones bordering aquatic sites within the project area. In these zones, mechanical and prescribed fire treatments will not be used. (Mitigation Measure 5.5.2-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r. Burrow-dwelling special-status wildlife taxa are likely to be present within portions of the project area. In these areas, mechanical treatments and heavy livestock (e.g., cattle) will not be used. (Mitigation Measure 5.5.2-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
s. Special-status wildlife taxa are known or suspected to occur within the project area, and treatments have been designed around the seasonally appropriate time to minimize impacts to these taxa. (Mitigation Measure 5.5.2-10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
t. Treatments shall not remove essential habitat elements of special status wildlife taxa known or likely to occur in the area (for example, buckwheat in Smith's blue habitat). (Mitigation Measure 5.5.2-11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
u. Agency personnel or an appropriate biologist have determined that invasive species may be a detriment to special species taxa within the project area (for example, treatments in black legless lizard habitat). Removal of invasives and retention of native species will therefore be emphasized as appropriate. (Mitigation Measure 5.5.2-12)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				

### 5.5.3 Vegetation

<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. There are no watercourses within the project area (applies to LC 1 below).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. There are no wet areas (e.g., vernal pools, marshes) within the project area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. The Project does not have a forest overstory.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Project will intentionally eliminate existing conifer/oak vegetation as part of a plan to prepare the site for reforestation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Additional reasons as described in Other below:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
f. A watercourse and lake protection zone (WLPZ) will be established on each side of all Class I and II watercourses (see PEIR Glossary for definitions) that is equal to the widths specified in the CA Forest Practice Rules, which vary between 75-150 feet on each side of Class I watercourses and from 50-100 feet on each side of Class II watercourses. WLPZs are measured by slope distance from the high water mark of the watercourse. Vegetation significant to maintenance of watercourse shade will not be disturbed within Class I and II watercourses. Vegetation within and adjacent to Class III watercourses will be retained, as feasible, to protect water quality. (LC 1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
g. Heavy earth-moving equipment will not operate within the WLPZ of any Class I or II watercourse without a California Department of Fish and Game (DFG) Streambed Alteration Agreement, except at existing or designated crossings (other than exceptions as described below). (LC 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. A fish and wildlife habitat improvement or forestland conservation project is being conducted, and an exception to the requirement for operating heavy equipment within the WLPZ of a Class I or II watercourse is being applied to this project. (Describe need for use of heavy equipment under Other below.) (LC 2, LC 3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Wider protection zones than under the CA Forest Practice Rules will be implemented as indicated by environmental review of the project. (Describe conditions indicated in environmental review of project under other below.) (LC 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Treatment of wet meadows, bogs, fens, marshes, vernal pools, and other wet areas, and/or the use of wet areas as natural barriers for containing prescribed fire, is an element of the project. These measures will result in maintenance and/or improvement of habitat for native plant and/or animal species. (LC 3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Where wetland treatments or use of wetlands as natural barriers is to be applied (see above) measures to minimize damage to wetlands (such as obtaining a US Army Corps of Engineers (ACOE) wetland delineation, DFG consultation, or application of PEIR mitigation measures, etc.) will be incorporated into each such project. (LC 3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Procedure (LC, MMR, Mitigation, Checklist)</i>	Yes	No	Applies with modifications	N/A
i. Occurrences of special species plant taxa information have been gathered, primarily by a query of the most recent reasonably available, and appropriate databases for biological information and other reasonably available sources such as California Natural Diversity Database (CNDDB 2006) or the California Department of Fish and Game's BIOS database (DFG 2007). (MMR 5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. When conducting treatments in areas with oak or conifer overstory, overstory trees will be protected through use of prescribed fire practices such as ignition and timing techniques and/or retention/protection of leave trees. (MMR 8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. If treatments in oak woodlands could adversely affect wildlife habitat or species diversity, or lead to a cumulative decline in oak regeneration in the area, then the lead agency will take specific precautions to insure adequate oak regeneration. This could entail measures such as protecting oak seedlings from livestock grazing while regeneration is occurring, or planting oaks if natural regeneration fails within a specific period of time. (Describe measures to be employed under other below.) (MMR 9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. In shrublands containing native oaks, treatments will incorporate retention of older, acorn-producing oaks to create deer forage. (MMR 10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. Applicants <b>will be required</b> to plant particular species of vegetation to promote species diversity and improve wildlife habitat. This measure is not in conflict with program goals. (MMR 10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. In order to reduce the spread of invasive plants, only certified weed-free straw and mulch will be used. (MMR 14)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comment [D3]:** Ouch! Can we soften this?

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
r. Treatment is slated to take place outside the limits of a road prism and all heavy equipment (bulldozers, skidders, graders, backhoes, dump trucks, etc.) operating outside the road prism will be cleaned prior to and immediately after treatments are implemented. (MMR 14)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
s. Livestock used for vegetation treatments will be confined to forage that is free of invasive plants or seeds for at least four days before being introduced into project areas. (MMR 14)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
t. Fire-adapted special status plants occur within the Project Area. The timing and/or intensity of prescribed burns will be adjusted and incorporated into Burn Plan prescriptions to simulate the natural fire regime. (Mitigation Measure 5.5.3-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
u. The project will be burned in a pattern to create and maintain a mosaic of old and young growth chaparral with diverse habitat structures. (Mitigation Measure 5.5.3-1.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
v. Prescribed fire ignition and timing techniques that result in "cool prescribed burns" will be used for certain vegetation types (e.g., sagebrush, low sage, bitterbrush, pinyon-juniper, and juniper) with well-established associations of cheatgrass, medusa-head or other invasives, in order to prevent type conversions to cheatgrass or medusa-head. These techniques shall be incorporated into Burn Plan prescriptions. (Mitigation Measure 5.5.3-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
w. The project area contains special status plant communities with a state rank of 3.2 or lower. Where these plant communities are located, mechanical treatment shall be avoided to the greatest extent possible. If mechanical treatment cannot be avoided, impacts will be mitigated on an acre-for-acre basis by enhancing or restoring the same community type	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
elsewhere in the region. (Mitigation Measure 5.5.3-3)				
x. Vernal pools exist within the Project Area. A 50' equipment exclusion zone shall be established around each vernal pool. DFG will be notified of the existence of vernal pool habitat in the project area to alert them to the potential for special status plants. (Mitigation Measure 5.5.3-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
y. Treatments are proposed in maritime chaparral habitat. DFG or a qualified biologist will be consulted during project development to devise methods to minimize impacts to this habitat. (Mitigation Measure 5.5.3-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
z. Treatments are proposed in oak woodland types known to have insufficient natural regeneration rates (blue oak, valley oak and coastal live oak [as of 2007]). In these vegetation types, treatment prescriptions will require that no more than 25% of oak regeneration on site prior to treatment be top-killed during treatment. Mitigation measure effectiveness shall be verified with pre and post-treatment seedling/sapling surveys conducted by CAL FIRE. (Mitigation Measure 5.5.3-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
aa. Current Best Management Practices (BMPs) shall be followed to prevent spread of sudden oak death on personnel or equipment. A list of current BMPs may be found at SuddenOakDeath.org or by linking directly to the following website <a href="http://nature.berkeley.edu/comtf/pdf/forestry4-08.pdf">http://nature.berkeley.edu/comtf/pdf/forestry4-08.pdf</a> . (Mitigation Measure 5.5.3-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
bb. For treatments in or near a sudden oak death-infested area the recommendations of the CDF state pathologist and/or the most recent recommendations of the California Oak Mortality Task Force shall be followed. (Mitigation Measure 5.5.3-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b><i>Procedure (LC, MMR, Mitigation, Checklist)</i></b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
cc. Wet areas within the project area, including bogs, fens, springs and vernal pools, have been surveyed for and protected. (5.5.3 Checklist Item)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
dd. The project area has been surveyed for serpentine inclusions. All identified serpentine inclusions have been mapped to help identify special status plant occurrences. (5.5.3 Checklist Item)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b><i>Other:</i></b>				

### 5.5.4 Invasive non-native plants

Conditions	Yes	No	N/A
a. There are no known invasive non-native plant species that are likely to invade the project area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Project is designed to reduce invasive species.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Additional reasons as described below under Other.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*(NOTE: MMR 14 and Mitigation Measure 5.5.3-2 are included in Checklist Section 5.5.3 above and are not duplicated here. If being applied to the Project in order to address non-native invasive plants, please check the appropriate boxes in 5.5.3 above.)*

Procedure (LC, MMR, Mitigation, Checklist)	Yes	No	Applies with modifications	N/A
d. An integrated pest management approach (see Glossary) will be used to design treatment specifications for treating noxious weeds and invasive plants using techniques such as those supported by the California Invasive Plant Council. (MMR 13)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Any equipment that has previously worked within the last year in an area with invasive species shall be thoroughly cleaned offsite before beginning ground-disturbing activities. (Mitigation Measure 5.5.4-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. The project area is infested with invasive species. Equipment shall be thoroughly cleaned onsite before leaving the project area. (Mitigation Measure 5.5.4-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. When mechanical clearing is used in tree-dominated habitats subject to invasive species, the project proponent shall maintain a minimum of 60% tree canopy closure, or 100% of existing canopy if it is less than 60%, to minimize the amount of suitable habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
for invasive species. (Mitigation Measure 5.5.4-2)				
h. The Project could create conditions favorable to invasive species. CAL FIRE/applicant will contact the county Agriculture Dept. and any local groups concerned with noxious weed control, to ascertain the location and extent of known populations of non-native invasive species that could provide a seed source for the project area. (Mitigation Measure 5.5.4-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				

<b>5.6 AIR QUALITY</b>			
<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. Project will not use prescribed fire.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Additional reasons described under "Other" below:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
c. All state and local air quality regulations and ordinances will be complied with. The local Air Pollution Control District (APCD) or Air Quality Management District (AQMD) will be contacted to determine local requirements. (MMR 3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Burning will only occur on Burn Days, as determined by the Air Pollution Control District or Air Quality Management Districts, or on days the local regulating authority has issued a variance or exception for the project. (MMR 4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. The project applicant shall submit a Smoke Management Plan and obtain a smoke management permit from the local Air District. (Mitigation Measure 5.6-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Active-phase smoke monitoring shall be conducted during prescribed burns. If smoke impacts occur the mitigations or contingencies in the smoke management plan will be implemented. (Mitigation Measure 5.6-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Other:** \_\_\_\_\_

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<b>5.7 Water resources</b>			
<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. Active-phase smoke monitoring shall be conducted during prescribed burns. If smoke impacts occur the mitigations or contingencies in the smoke management plan will be implemented. (Mitigation Measure 5.6-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Active-phase smoke monitoring shall be conducted during prescribed burns. If smoke impacts occur the mitigations or contingencies in the smoke management plan will be implemented. (Mitigation Measure 5.6-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Active-phase smoke monitoring shall be conducted during prescribed burns. If smoke impacts occur the mitigations or contingencies in the smoke management plan will be implemented. (Mitigation Measure 5.6-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Active-phase smoke monitoring shall be conducted during prescribed burns. If smoke impacts occur the mitigations or contingencies in the smoke management plan will be implemented. (Mitigation Measure 5.6-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Active-phase smoke monitoring shall be conducted during prescribed burns. If smoke impacts occur the mitigations or contingencies in the smoke management plan will be implemented. (Mitigation Measure 5.6-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(NOTE: LC's 1, 2 and 3 are included in the Checklist above under 5.5.3 (Vegetation) and LC 5 is included in Section 5.5.2 (Wildlife), and is not duplicated here. If these LC's are being applied to the Project in order to address Water Resources, please check the appropriate boxes in the sections noted above.)

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
f. Treatments using heavy earth-moving equipment will	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
not take place on known potential or active geologically unstable areas unless specific measures to minimize the effects of operations on slope stability are incorporated into project design. For potential operations on slopes mapped as high or very high geologic hazard, California Geological Survey (CGS) will be requested to provide geologic review. (LC 4)				
g. A licensed geologist has developed site-specific measures that will reduce impacts to a less-than-significant level. (List geologist mitigations in "OTHER" below) (LC 4).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. No tractors, trucks, cars, or other machinery will be serviced adjacent to lakes or watercourses, or within wet meadows and other wet areas, or in other areas where such servicing could allow grease, oil, fuel, or other toxic substances to enter lakes, watercourses, or wet areas. (MMR 1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Heavy equipment will not operate on soils that are saturated. This means that equipment will not operate when soils are sufficiently wet that heavy equipment operations displace soils in amounts sufficient to cause a visible increase in turbidity to Class I, II, III, or IV waters or turbidity increases which would violate applicable water quality requirements. (MMR 2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. No new roads (including temporary roads) will be constructed or reconstructed (reconstruction is defined as cutting or filling involving >50 cu. yds/0.25 linear road miles). Existing roads, skid trails, fire lines, fuel breaks, etc. that require reopening or maintenance shall have drainage facilities (see glossary) applied at the conclusion of the project that are at least equal to those of the California Forest Practice rules. (MMR 6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. All herbicides will be applied in accordance with all applicable court orders, such as the requirement to establish a 60-foot "no spray" buffer (except for tree	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Procedure (LC, MMR, Mitigation, Checklist)</i>	Yes	No	Applies with modifications	N/A
injection treatments) on each side of all salmon-supporting waters for the herbicides 2,4-D and triclopyr butoxyethyl ester within the range of the California Chinook, Coho and steelhead Evolutionarily Significant Units (ESUs) designated as critical habitat by NOAA Fisheries (formerly National Marine Fisheries Service). (This requirement results from the recent refusal by the U.S. Supreme Court to overturn court order C01-0132C issued by the Western District Court of the US 9th District Court on January 22, 2004. This buffer requirement will remain legally in effect until the U.S. EPA or NOAA Fisheries has evaluated the effect of these herbicides on Salmon ESUs and has complied with one of the "terminating events" in Section VI of the court order.) (MMR 12)				
l. When drafting water from waterbodies potentially containing special status fish, reptiles and amphibians (e.g., for standby fire fighting equipment for prescribed fire, for watering roads, etc.) the applicant's operations will conform to the current CA Forest Practice Rules for water drafting at 14 CCR 916.9, 936.9 and 956.9(r). (MMR 15)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. No direct ignition of project activity fuels is allowed within the WLPZ. (MMR 17)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. The ERA of proposed VTP treatments has been calculated for all Cal 2.2 watersheds that will be directly affected by the proposed project and the ERA value for the proposed project <u>did not exceed 2%</u> . (See ERA formula, explanation, and rationale in Chapter 5.7.9 of the VTP PEIR. The coefficients for each treatment type are provided in Tables 5.7.2 and 5.7.3 of the PEIR.). (Mitigation Measure 5.7-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. The ERA of proposed VTP treatments has been calculated for all Cal 2.2 watersheds that will be directly affected by the proposed project <u>and the ERA value for the proposed project exceeds 2%</u> . A more	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
detailed watershed-specific analysis of potential water quality effects is therefore included with the Project Application (see ERA formula, explanation, and rationale in Chapter 5.7.9 of the VTP PEIR). (Mitigation Measure 5.7-1)				
p. The project-related ERA is projected to fall within 2-5 percent. Therefore a <u>qualitative</u> analysis is required and is attached to the Project Description. (Mitigation Measure 5.7-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. The project-related ERA is projected to exceed 5 percent. A <u>quantitative</u> analysis is required and is attached to the Project Description. (Mitigation Measure 5.7-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r. A protective buffer zone will be designated on Class III watercourses in order to prevent introduction of sediment into Class III channels or accelerate sediment transport through Class III channels due to VTP treatments. The width of buffer zones will be a minimum of 25 feet where slopes are less than 30% and 50 feet where slopes exceed 30%. Heavy equipment will be excluded except at designated crossings in these buffers (ELZs) and broadcast burn intensity will be minimized so that the loss of large fuels (1,000 hour fuels [greater than 9 inches in diameter]) shall be minimized. The project proponent will develop measures to limit ground disturbance and consumption of wood within streamcourses that contribute to channel stability. (Mitigation Measure 5.7-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
s. The project includes prescribed herbivory within the WLPZ of a Class I or II watercourse or the protective buffer of a Class III watercourse (see Mitigation Measure 5.7-3); therefore <u>one of the following measures</u> will be followed: (Mitigation Measure 5.7-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Procedure (LC, MMR, Mitigation, Checklist)</i>	Yes	No	Applies with modifications	N/A
S1. The grazed area is part of a Recognized Nonpoint Source Management Plan (California Rangeland Water Quality Management Plan) approved by NRCS or local Regional Water Quality Control Board, <b>OR</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S2. The project includes a description of appropriate Best Management Practices (BMPs) that will be implemented in order to control nonpoint source pollution due to grazing activities. The description of BMPs must be approved by a state Certified Rangeland Manager (CRM). Appropriate BMPs are described in the National Range and Pasture Handbook (NRCS 2003) and the UCANR Rangeland Water Quality Fact Sheets (UCANR).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				

## 5.8 Cultural resources

<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. After consultation with a CAL FIRE Archaeologist, it has been determined that there are no potentially significant prehistoric, historic, ethnographic, or paleontological (cultural) resources that could be affected by the project.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Additional reasons as described below under Other.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
c. Procedures for protecting cultural resources have followed the most current edition of the CAL FIRE manual, Archaeological Review Procedures for CAL FIRE Projects. (MMR 7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. After consultation with a CAL FIRE Archaeologist, it has been determined that the project area may or does contain potentially significant prehistoric, historic, ethnographic, or paleontological (i.e., cultural) resources that could be affected by the project. (MMR 7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Based on recommendations from the preliminary study, further protective measures will be applied, as below	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. An on-the-ground cultural resources survey,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Notification of Native Americans,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Prefield research,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Development of protective measures,	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Procedure (LC, MMR, Mitigation, Checklist)</i>	Yes	No	Applies with modifications	N/A
j. Recording of sites, and/or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Completion of an Archaeological Reconnaissance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. For projects funded with federal dollars AND where significant archaeological or historic resources are identified, consultation with the State Historic Preservation Office (SHPO) under the requirements of Section 106 has been conducted. (MMR 7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b><i>Other:</i></b>				

## 5.10 Transportation and Traffic

<i>Conditions</i>	Yes	No	N/A
a. Described under Other below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Procedure (LC, MMR, Mitigation, Checklist)</i>	Yes	No	Applies with modifications	N/A
b. VTP projects that rely on the same road system will not be conducted simultaneously if combined traffic volumes will exceed 10% of the average daily traffic volume (ADT). (5.10 Checklist Item_)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				

## 5.11 Utilities and energy

<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. There are no transmission lines or other electrical, telecom or water supply facilities in or near the project area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Additional reasons as described below under Other.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
c. Transmission lines or other electrical, telecom or water supply facilities have been determined to be located in or near the project area. Protective measures will be taken that may include installation of firebreaks using hand treatments around sensitive equipment. (5.11 Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Treatments will include digging below the surface of the ground to a depth of >2 feet; the project manager has contacted local utilities to determine location of buried underground utilities. (5.11 Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				

## 5.12 Noise

<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. No sensitive receptors are within or adjacent to the project area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Add condition where a specific noise level will not be exceeded.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Additional reasons as described below under Other.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comment [LU4]:** This note is from our last meeting in Redding. Greg and I talked it over and don't have a great idea of exactly how to address it. So we are leaving it as a comment for now.

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
d. The project proponent will comply with noise standards established in the local general plan or noise ordinance, or applicable standards of other agencies. (Mitigation Measure 5.12-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. The project proponent shall limit periods of equipment operation to 7 am to 7 pm if treatments are within 1,600 feet of sensitive receptors. (Mitigation Measure 5.12-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. The project proponent will use site-specific measures that take into account the nature of the area and the inhabitants, or receptors. (Mitigation Measure 5.12-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. VTP operations within the vicinity of occupied campgrounds and picnic areas will be limited to weekdays and non-holidays between 7AM and 7PM. (Mitigation Measure 5.12-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Any treatment that is within 100 feet of an open campground or within 200 feet of a residence, park, or other identified sensitive receptor will include noise abatement measures that may include limiting operations to weekdays, keeping heavy equipment as	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
far away from receptors as feasible, and/or utilizing methods and machinery that are less noisy. (Mitigation Measure 5.12-3)				
i. For noise-sensitive listed species that may be present on the project site, during the critical reproductive and young-rearing months treatment operations will be mitigated as necessary. Consultation with DFG staff or other experts may be necessary. (Note all measures developed to minimize impacts under Other below.) (Mitigation Measure 5.12-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				

### **5.14 Recreation**

<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. Project is on private land that is <u>not</u> available for public recreation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. The project will not impact recreational use (explain below under Other).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. The project will not result in more than 1% of the recreational area being closed to recreational use or more than 10% of the recreational area being in a condition of decreased visual quality. (5.14 Checklist Item).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Additional reasons as described under Other below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>			

## 5.15 Soils and geology

Conditions	Yes	No	N/A
a. There are no known geologic hazards in the project area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Known geologic hazard areas will not be treated.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Additional reasons as described below under Other.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(NOTE: LC 3 is included in the Checklist above under 5.5.3 (Vegetation) and LC 4 is included in Section 5.6 (Wildlife). They are noted in Chapter 5.15 as applicable to soils and geology as well. If these LC's have not been checked for the resources under which they are initially listed, but are applicable to the project for protection of soils and geology, please check the appropriate boxes in the sections noted above.) Likewise, MMR 2 is listed under 5.5.3 Vegetation and should be checked in that location if it applies to Soils and Geology but has not been checked as yet.

Procedure (LC, MMR, Mitigation, Checklist)	Yes	No	Applies with modifications	N/A
d. The operational area will not have detrimental conditions (see description below) on more than 15% of the area. Detrimental soil conditions occur when any of the following are found within the operational area of the project: 1. Trail used by harvester, forwarder, skidder, bulldozer, etc. 2. Wheel ruts are >10 cm deep. 3. Forest floor is missing/partially intact. 4. Trails have a high level of soil compaction 5. Evidence of mineral soil displacement from tractor trails. 6. Mineral soil displacement from area between skid tractor trails (Mitigation Measure 5.15-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Mechanical equipment and prescribed fire will be limited so soil cover on treated areas will exceed 30-50% of the operational area the first year and 50-70% the second year. (Mitigation Measure 5.15-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Mechanical equipment and prescribed fire will be	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
limited so soil organic matter will cover more than 50% of the operational area, post-treatment. (Mitigation Measure 5.15-3)				
g. Mechanical equipment and prescribed fire will be limited so soil bulk density (compaction) does not exceed 15% over natural conditions. (Mitigation Measure 5.15-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Mechanical equipment and prescribed fire will be limited so that after treatment there is still at least ½ of the natural litter layer. (Mitigation Measure 5.15-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Mechanical equipment and prescribed fire will be limited so that displacement of humus does not exceed 15% of the soil organic matter under natural conditions. After treatment there is still at least ½ of the natural litter layer. (Mitigation Measure 5.15-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Mechanical equipment will not be used on wet or saturated soils. The use of heavy equipment for mechanical treatment shall be limited to periods when there has been no significant (i.e., one inch or more) rainfall within the previous week. (Mitigation Measure 5.15-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Prescribed burning will not occur on active landslides. On dormant landslides or areas with high landslide potential, canopy cover provided by woody vegetation shall exceed 50% cover following treatment. Vegetation shall not be removed from the headwalls or margins of dormant landslides. (Mitigation Measure 5.15-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Sufficient soil cover will be maintained to control accelerated erosion and protect soil productivity. Maintaining sufficient soil cover will reduce the effects of prescribed burns on soil erosion and productivity. Guidelines for minimum soil cover for different vegetation types, soil textures, and erosion hazard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
ratings are described in Table 4-2, page 4-20 of the Klamath National Forest Land and Resource Management Plan (USDA Forest Service, 2010) and on professional judgment. (Mitigation Measure 5.15-9)				
m. Heavy equipment will not operate on areas with high geologic hazard except as prescribed below. No heavy equipment will be operated on active landslides, the headwalls or margins of dormant landslides, or areas with high geologic hazard, except on existing stable roads within such areas. If it is not feasible to completely avoid treatment actions on identified geologically unstable areas with high hazard potential, then a licensed geologist shall be consulted to develop appropriate additional mitigation measures. (Mitigation Measure 5.15-10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Mechanical treatments will not be implemented perpendicular to contours on areas with high geologic hazard. Mechanical treatment of vegetation shall be limited to work along topographic contours on areas with a high erosion hazard rating in order to reduce soil disturbance and erosion. Where mechanical clearing is aligned along the slope on highly erodible soils, soil disturbance shall be limited by restricting the hillslope length of cleared areas and interspersing cleared areas with untreated buffers. (Mitigation Measure 5.15-11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. No mechanical treatment that removes/uproots the roots of vegetation shall be conducted on areas with high geologic hazard. (Mitigation Measure 5.15-12)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p. No more than 25% of the original woody vegetative stems shall be uprooted every two years within project areas with high geologic hazard. (Mitigation Measure 5.15-13)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<i>Procedure (LC, MMR, Mitigation, Checklist)</i>	Yes	No	Applies with modifications	N/A
<i>Other:</i>				

## 5.16 Hazardous materials

Conditions	Yes	No	N/A
a. Described under Other below.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(NOTE: Landscape Constraints 1, 2, 3 and 5 and Minimum Management Requirements 1, 2, 3, 5 and 14, included in several sections above, specifically apply to Hazards and Hazardous Materials. If these LCs and MMRs have not been checked earlier in this checklist they should be copied into and checked in this section.) Note (from Seth): Once this form is "protected" and released to the public, it will not be possible to copy material from one table to another.

Procedure (LC, MMR, Mitigation, Checklist)	Yes	No	Applies with modifications	N/A
b. Rehabilitation measures, including revegetation and erosion control, shall be implemented when prescribed fires escape the project boundaries or burn at higher intensity than was planned. (Mitigation Measure 5.16-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Landowners that experience financial impacts due to escaped fires, such as damage to agricultural crops, livestock, or structures shall be compensated based on appraised value of such losses by maintaining an insurance policy on each prescribed burn project for a minimum of five million dollars through the state insurance office. (Mitigation Measure 5.16-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Emergency fire suppression equipment and personnel shall be made available as necessary to suppress escaped burns at the smallest practicable size. Prescribed fire projects shall not be allowed to proceed unless adequate backup fire suppression forces are available in the vicinity to respond as necessary. (Mitigation Measure 5.16-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Application of ground-applied fire retardants shall not occur within 100' of Class I or II watercourses and 50' of Class III watercourses. (Mitigation Measure 5.16-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
f. Project personnel shall regularly inspect and maintain hydraulic and fuel hoses on equipment so as to prevent leaks or breaks. (Mitigation Measure 5.16-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. An on-site spill response kit capable of cleaning up five gallons or more of fuel, hydraulic oil, or other fluids where grease, oil, fuel or other similar materials could pass into lakes or watercourses shall be maintained on site. (Mitigation Measure 5.16-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Project personnel will never leave the area while equipment is being fueled. (Mitigation Measure 5.16-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. No hazardous emissions will occur nor shall hazardous or acutely hazardous materials, substances, or waste be handled within one-quarter mile of sensitive receptors. (Mitigation Measure 5.16-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. If accidental contamination from hazardous materials that may result in harm to fish or wildlife occurs as a result of the project, CAL FIRE will immediately notify the CA Department of Fish and Game and Regional Water Quality Control Board. (Mitigation Measure 5.16-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				

## 5.17 Herbicides

<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. Herbicides will not be used to treat vegetation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. No plants significant to local Native American tribes occur within the project area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. The herbicide(s) and application method(s) to be used on the project will limit exposure of sensitive receptors by spray drift, runoff, percolation, or irrigation water.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. The soil texture on the project area will limit off-site movement, by runoff or soil percolation, of the herbicide(s) selected for vegetative treatment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Herbicides will be used only on slopes up to 50%.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. The groundwater table is >10 feet from the surface of the ground.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. No watercourses or wetlands are within or adjacent to the project area.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Chemical treatments will not be done during bird and small mammal nesting and rearing seasons.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Re-vegetation of the project area after herbicide treatment has been planned to limit the introduction of invasive species.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
j. All herbicides used will be applied in accordance with all label requirements and federal, state, and local laws and regulations. (MMR 11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
k. All herbicides will be applied in accordance with all applicable court orders, such as the requirement to establish a 60-foot “no spray” buffer (except for tree injection treatments) on each side of all salmon-supporting waters for the herbicides 2,4-D and triclopyr butoxyethyl ester within the range of the California Chinook, Coho and steelhead Evolutionarily Significant Units (ESUs) designated as critical habitat by NOAA Fisheries (formerly National Marine Fisheries Service). (This requirement results from the recent refusal by the U.S. Supreme Court to overturn court order C01-0132C issued by the Western District Court of the US 9th District Court on January 22, 2004. This buffer requirement will remain legally in effect until the U.S. EPA or NOAA Fisheries has evaluated the effect of these herbicides on Salmon ESUs and has complied with one of the “terminating events” in Section VI of the court order.) (MMR 12) <i>(NOTE: This MMR has already been listed in Section 5.7 above.)</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l. Herbicide treatments will not be approved nor applied to more than 10% of the VTP acreage statewide that is proposed for treatment within any single fiscal year. (MMR 16)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. The maximum chemical application rates specified in the U.S. Forest Service and SERA Risk Assessments will not be exceeded. (Mitigation Measure 5.17-1)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Local Indian tribes will be consulted to determine areas of culturally significant vegetation and appropriate mitigation measures. (Mitigation Measure 5.17-2)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o. Herbicides will not be applied within 100 feet of sensitive receptors that may be found in residential areas, schools or proposed schools, hospitals, or high-use recreation areas, or near crops susceptible to damage from the specific herbicides that are applied. (Mitigation Measure 5.17-3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
p. Herbicides that are known to be highly mobile on coarse-textured soils will not be used if the ground water table is less than 10 feet below the ground surface and mean annual precipitation exceeds 12 inches. (Mitigation Measure 5.17-4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
q. The use of herbicides will be minimized to the greatest extent possible on fine-textured or sandy soils near sensitive areas, such as shallow waterbodies or crops susceptible to damage. (Mitigation Measure 5.17-5)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r. Herbicides will not be used on steep (50+%) slopes if significant rainfall is predicted within 24 hours. (Mitigation Measure 5.17-6)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
s. When spraying to meet <u>non-riparian</u> area land management objectives, an untreated buffer of land and vegetation will be left alongside surface waters, wetlands, or riparian areas. Buffer widths shall be established by the CAL FIRE project manager in consultation with a CDFG or a wildlife biologist, Certified Pesticide Applicator, and/or county agricultural commissioner, as needed. Buffer widths for herbicides not labeled for aquatic use shall be a minimum of 25 feet for vehicle spray applications and 10 feet for hand spray applications. (Mitigation Measure 5.17-7)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
t. When spraying to meet <u>riparian</u> area land management objectives, localized buffers will be established around non-target species and chemicals shall only be applied by hand methods. Buffer widths will be established by the CAL FIRE project manager in consultation with a CDFG or a wildlife biologist, Certified Pesticide Applicator, and/or county agricultural commissioner, as needed. Buffer widths for herbicides not labeled for aquatic use will be a minimum of 10 feet from water bodies. (Mitigation Measure 5.17-8)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
u. Treatments near fish-bearing streams shall be minimized to the greatest extent possible during periods when fish and amphibians are in early life stages that are most sensitive to herbicides. Only non- or low-toxic surfactants will be used, and formulations that contain POEA-based surfactants will be avoided. (Mitigation Measure 5.17-9)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
v. Treatments near wetlands and in riparian areas where there are amphibians shall be minimized to the greatest extent possible, especially during periods when amphibians are in early life stages that are most sensitive to herbicides. Use non- or low-toxic surfactants and avoid using herbicide formulations that contain POEA-based surfactants if possible. (Mitigation Measure 5.17-10)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
w. Treatments during bird nesting periods and other times will be minimized to the greatest extent possible when birds and other wildlife are in stages of development that make them most sensitive to herbicides. Herbicide formulations that are least toxic to avian species and other wildlife will be used. (Mitigation Measure 5.17-11)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
x. Following herbicide treatments, treated areas shall be re-vegetated, preferably with native species, if there is no reasonable expectation of natural regeneration. This is especially important if invasive, non-native species are found in abundance in the vicinity of treated areas. (Mitigation Measure 5.17-12)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				

**6.4.11.d Cumulative effects – Wildlife**

<b>Conditions</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>
a. Applicable local and regional habitat conservation plans have been reviewed, and a determination was reached that the cumulative effect of the proposed project, along with related programs, will not significantly conflict with established conservation programs or plans. (6.4.11.d Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Additional reasons as described below under Other:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Comment [SZ5]:** I added this to bring into conformance with pattern from other sections.

<b>Procedure (LC, MMR, Mitigation, Checklist)</b>	<b>Yes</b>	<b>No</b>	<b>Applies with modifications</b>	<b>N/A</b>
c. Any conflicting objectives between the proposed project and local and regional plans have been identified at the project level and resolved through coordination with appropriate State or federal fish and wildlife agencies. (6.4.11.d Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Opportunities to further the objectives of local and regional conservation plans through vegetation treatments conducted under the VTP have been identified and implementation will be coordinated through appropriate State or federal fish and wildlife agencies. (6.4.11.d Checklist)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other:</b>				