

FOR ADMIN. USE ONLY

Amendments-date & S or M

- 1. _____ 7. _____
- 2. _____ 8. _____
- 3. _____ 9. _____
- 4. _____ 10. _____
- 5. _____ 11. _____
- 6. _____ 12. _____

TIMBER HARVESTING PLAN

STATE OF CALIFORNIA
 DEPARTMENT OF FORESTRY
 AND FIRE PROTECTION
 RM-63 (02-15)

FOR ADMIN. USE ONLY

THP No. _____
 Dates Rec'd _____
 Date Filed _____
 Date Approved _____
 Date Expires _____

THP Name: _____

If this is a **MODIFIED THP**, check box: []

Extension: [] Am # _____

This Timber Harvesting Plan (THP) form, when properly completed, is designed to comply with the Forest Practice Act (FPA) and Board of Forestry and Fire Protection rules. All rule references are from Title 14 CCR; the form text will only make reference to the rule number when cited. See separate instructions for information on completing this form. NOTE: The form must be printed legibly in ink or typewritten. The THP is divided into six sections. If more space is necessary to answer a question, continue the answer at the end of the appropriate section of your THP. If writing an electronic version, insert additional space for your answer. Please distinguish answers from questions by *font change*, **bold** or underline.

SECTION I - GENERAL INFORMATION

This THP conforms to my/our plan and upon approval, I/we agree to conduct harvesting in accordance therewith. Consent is hereby given to the Director of Forestry and Fire Protection, and his or her agents and employees, to enter the premises to inspect timber operations for compliance with the Forest Practice Act and Forest Practice Rules.

1. TIMBER OWNER(S) OF RECORD: Name _____
 Address _____
 City _____ State _____ Zip _____ Phone _____
 Signature _____ Date _____

NOTE: The timber owner is responsible for payment of a yield tax. Timber Yield Tax information may be obtained at the: Timber Tax Section, MIC: 60, State Board of Equalization, P.O. Box 942879, Sacramento, California 94279-0060; phone 1-800-400-7115; BOE Web Page at [http:// www.boe.ca.gov](http://www.boe.ca.gov).

2. TIMBERLAND OWNER(S) OF RECORD : Name _____
 Address _____
 City _____ State _____ Zip _____ Phone _____
 Signature _____ Date _____

3. LICENSED TIMBER OPERATOR(S): Name _____ Lic. No. _____
 (If unknown, so state. You must notify CAL FIRE of LTO prior to start of operations)
 Address _____
 City _____ State _____ Zip _____ Phone _____
 Signature _____ Date _____

4. PLAN SUBMITTER(s): Name _____
 The submitter is the person who owns, leases, contracts, or operates on timberland. If the submitter is not identified in (1), (2), or (3), above, an explanation of his/her authority to submit the plan shall be provided in Section III of the plan [1032.7(a) and 1034(e)].
 Address _____
 City _____ State _____ Zip _____ Phone _____
 Signature _____ Date _____

5. a. List person to contact on-site who is responsible for the conduct of the operation. If unknown, so state and name must be provided for inclusion in the THP prior to start of timber operations.

Name _____

Address _____

City _____ State _____ Zip _____ Phone _____

- b. Yes No Will the timber operator be employed for the construction and maintenance of roads and landings during conduct of timber operations? If no, who is responsible? _____

- c. Who is responsible for erosion control maintenance after timber operations have ceased and until certification of the Work Completion Report? _____ If not the LTO, then a written agreement must be provided per 1050 (c). **Note, if the plan is located in an ASP watershed: "The prescribed maintenance period for logging roads and associated landings, including appurtenant roads, shall be three years." 923.7 [943.7, 963.7](j).**

6. a. Expected date of commencement of timber operations: date of THP conformance; or _____ (date)

- b. Expected date of completion of timber operations: 5 years from date of THP conformance; or _____ (date)

7. The timber operation will occur within the:

- | | |
|--|---|
| <input type="checkbox"/> COAST FOREST DISTRICT | <input type="checkbox"/> The Tahoe Regional Planning Authority Jurisdiction |
| <input type="checkbox"/> Southern Sub district of the Coast F. D. | <input type="checkbox"/> A County with Special Regulations |
| <input type="checkbox"/> SOUTHERN FOREST DISTRICT | <input type="checkbox"/> Coastal Zone, no Special Treatment Area (STA) |
| <input type="checkbox"/> High use Sub district of the Southern F. D. | <input type="checkbox"/> STA(s), provide type and identify: _____ |
| <input type="checkbox"/> NORTHERN FOREST DISTRICT | <input type="checkbox"/> Other _____ |

8. Location of the timber operation by legal description:

Base and Meridian: Mount Diablo Humboldt San Bernardino

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Acreage</u>	<u>County</u>	<u>Assessor's Parcel Number (Optional)</u>
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_____	_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____	_____
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TOTAL ACREAGE _____ (Logging Area Only)

Planning Watershed: CALWATER Version, Identification Number, and Name: _____

USGS Quadrangle Name(s) and date(s): _____

MARK ALL THAT APPLY:

ASP watershed; Upstream of ASP; Exempt from ASP watershed rules; Non ASP watershed; 303d watershed

9. Yes No Has a Timberland Conversion been submitted? If yes, list expected approval date or permit number and expiration date if already approved. _____

10. Yes No Is there an approved Sustained Yield Plan for this property? Number _____ Date app. _____

- Yes No Has a Sustained Yield Plan been submitted but not approved? Number _____ Date sub. _____

11. Yes No Is there a THP or NTMP on file with CAL FIRE for any portion of the plan area for which a Report of Satisfactory Stocking has not been issued by CAL FIRE? If yes, identify the THP or NTMP number(s): _____
- Yes No Is there a contiguous even aged unit with regeneration less than five years old or less than five feet tall? If yes, explain. Ref. 913.1 (933.1, 953.1) (a)(4).

12. Yes No Is a Notice of Intent necessary for this THP? **If so, provide the NOI separate from, but with the THP.**
- Yes No If yes, was the Notice of Intent posted as required by 1032.7 (g)?

13. **RPF Preparing the THP:** Name _____ RPF No. _____

Address _____

City _____ State _____ Zip _____ Phone _____

Signature _____ Date _____

- a. Yes No I have notified the plan submitter(s), in writing, of their responsibilities pursuant to 1035 of the Forest Practice Rules.
- Yes No I have notified the timber owner and the timberland owner of their responsibilities for compliance with the Forest Practice Act and rules, specifically the stocking requirements of the rules and the maintenance of erosion control structures of the rules.
- b. Yes No I will provide the timber operator with a copy of the portions of the approved THP as listed in 1035 (f). If "no", who will provide the LTO a copy of the approved THP? _____

I or my supervised designee will meet with the LTO prior to commencement of operations to advise of sensitive conditions and provisions of the plan pursuant to 1035.2.

- c. I have the following authority and responsibilities for preparation and administration of the THP and timber operation. (Include both work completed and work remaining to be done):
- d. Additional required work requiring an RPF, which I do not have the authority or responsibility to perform:
- e. After considering the rules of the Board of Forestry and Fire Protection and the mitigation measures incorporated in this THP, I have determined that the timber operation:
- will have a significant adverse impact on the environment. (Statement of reasons for overriding considerations contained in Section III).
- will not have a significant adverse impact on the environment.

Registered Professional Forester: I certify that I, or my supervised designee, personally inspected the THP area, and this plan complies with the Forest Practice Act, the Forest Practice Rules and the Professional Foresters Law. If this is a Modified THP, I also, certify that: 1) the conditions or facts stated in 1051 (a) (1) - (16) exist on the THP area at the time of submission, preparation, mitigation, and analysis of the THP and no identified potential significant effects remain undisclosed; and 2) I, or my supervised designee, will meet with the LTO at the THP site, before timber operations commence, to review and discuss the contents and implementation of the Modified THP.

Signature _____ Date _____

SECTION II - PLAN OF TIMBER OPERATIONS

NOTE: If a provision of this THP is proposed that is different than the standard rule, the explanation and justification should normally be included in Section III unless it is clearer and better understood as part of Section II.

SILVICULTURE

14. a. Check the Silvicultural methods or treatments allowed by the rules that are to be applied under this THP. Specify the option chosen to demonstrate Maximum Sustained Production (MSP) according to 913.11 (933.11, 953.11). If more than one method or treatment will be used show boundaries on map and list approximate acreage for each.

- | | | |
|---|--|--|
| <input type="checkbox"/> Clearcutting _____ ac. | <input type="checkbox"/> Shelterwood Prep. Step _____ ac. | <input type="checkbox"/> Seed Tree Seed Step _____ ac. |
| | <input type="checkbox"/> Shelterwood Seed Step _____ ac. | <input type="checkbox"/> Seed Tree Removal Step _____ ac. |
| | <input type="checkbox"/> Shelterwood Removal Step _____ ac. | |
| <input type="checkbox"/> Selection _____ ac. | <input type="checkbox"/> Group Selection _____ ac. | <input type="checkbox"/> Transition _____ ac. |
| <input type="checkbox"/> Commercial Thinning _____ ac. | <input type="checkbox"/> Sanitation Salvage _____ ac. | <input type="checkbox"/> Special Treatment Area _____ ac. |
| <input type="checkbox"/> Rehabilitation _____ ac. | <input type="checkbox"/> Fuelbreak _____ ac. | <input checked="" type="checkbox"/> Variable Retention _____ ac. |
| <input checked="" type="checkbox"/> Aspen Restoration _____ ac. | <input type="checkbox"/> Alternative Prescription _____ ac. | <input type="checkbox"/> Road Right of Way _____ ac. |
| <input type="checkbox"/> Conversion _____ ac. | <input type="checkbox"/> Non-Timberland Harvest Area _____ ac. | |

Total acreage _____ ac.: Explain if total is different from that in 8. **MSP option chosen:** (a) (b) (c)

- b.** If Selection, Group Selection, Commercial Thinning, Sanitation Salvage or Alternative methods are selected the post harvest stocking levels (differentiated by site if applicable) must be stated. Note mapping requirements of 1034 (x) (12).
- c.** Yes No Will evenage regeneration step units be larger than those specified in the rules (20 acres tractor, 30 acres cable)? If yes, provide substantial evidence that the THP contains measures to accomplish any of subsections (A) - (E) of 913.1 (933.1, 953.1)(a) (2) in Section III of the THP. List below any instructions to the LTO necessary to meet (A) - (E) not found elsewhere in the THP. These units must be designated on map and listed by size.
- d.** Trees to be harvested or retained must be marked by or marked under the supervision of the RPF. Specify how the trees will be marked and whether harvested or retained.
- Yes No Is a waiver of marking by the RPF requirement requested? If yes, how will LTO determine which trees will be harvested or retained? If yes and more than one silvicultural method, or Group Selection is to be used, how will LTO determine boundaries of different methods or groups?
- e.** Forest products to be harvested:

- f. Yes No Are group B species proposed for management?
- Yes No Are group B or non-indigenous A species to be used to meet stocking standards?
- Yes No Will group B species need to be reduced to maintain relative site occupancy of A species?

If any answer is yes, list the species, describe treatment, and provide the LTO with necessary felling and slash treatment guidance. Explain who is responsible and what additional follow-up measures of manual treatment or herbicide treatment are to be expected to maintain relative site occupancy of A species. Explain when a licensed Pest Control Advisor shall be involved in this process.

g. Other instructions to LTO concerning felling operations.

h. Yes No Will artificial regeneration be required to meet stocking standards?

i. Yes No Will site preparation be used to meet stocking standards within the logging area? If yes, provide the information required for a site preparation addendum, as per 915.4[935.4, 955.4].

j. If the rehabilitation or variable retention method is chosen provide a regeneration plan as required by 913.4[933.4, 953.4](b) or (d) respectively.

PESTS

15. a. Yes No Is this THP within an area that the Board of Forestry and Fire Protection has declared a Zone of Infestation or Infection, pursuant to PRC §§ 4712 - 4718? If yes, identify feasible measures being taken to mitigate adverse infestation or infection impacts from the timber operation. See 917.9 (937.9, 957.9)(a).

b. Yes No If outside a declared zone, are there any insect, disease or pest problems of significance in the THP area? If yes, describe the proposed measures to improve the health, vigor, and productivity of the stand(s).

HARVESTING PRACTICES

16. Indicate type of yarding system and equipment to be used:

GROUND BASED*

- a. Tractor, including end/long lining
- b. Rubber tired skidder, Forwarder
- c. Feller buncher
- Yoder

CABLE

- d. Cable, ground lead
- e. Cable, high lead
- f. Cable, Skyline

SPECIAL

- g. Animal
- h. Helicopter
- i. Other
- Shovel yarding

* All tractor operations restrictions apply to ground based equipment.

17. Erosion Hazard Rating: Indicate Erosion Hazard Ratings present on THP. (Must match EHR worksheets)

- Low
- Moderate
- High
- Extreme

If more than one rating is checked, areas must be delineated on map down to 20 acres in size (10 acres for high and Extreme EHRs in the Coast District).

18. a. Soil Stabilization: In addition to the standard waterbreak requirements describe soil stabilization measures or additional erosion control measures to be implemented and the location of their application. See requirements of 14 CCR 916.7 (936.7, 956.7), and 923.2 (943.2, 963.2) (m), and 923.5 (943.5, 963.5) (f).

ALL WATERSHEDS Logging roads, landings, etc.	DESCRIPTION OF TREATMENTS, PROTECTION MEASURES, and TIMING or not applicable
923.5[943.5, 963.5](i)—treatments to prevent significant discharge where features cannot be hydrologically disconnected.	
923.5[943.5, 963.5](l) & (m)—treatments for sidecast or fill; cuts and fills associated w/ approaches to watercourse crossings; bare areas w/in WLPZ.	
923.5[943.5,963.5](n)—if applicable	
923.5[943.5,963.5](o) soil stabilization treatment timing & exceptions.	
Watercourse crossings on logging roads	DESCRIPTION OF TREATMENTS/PROTECTION MEASURES or not applicable
923.9(t)(1)-(3) bare soil on fills, sidecast, timing of treatment.	

Non ASP and exempt ASP watersheds WLPZ, & protected ELZ & EEZ	DESCRIPTION OF: TREATMENTS, PROTECTION MEASURES, and TIMING or not applicable
916.7[936.7,956.7]—Stabilization measures for WLPZ of CI & C II.	

ASP Watersheds WLPZ, & protected ELZ & EEZ—	DESCRIPTION OF: TREATMENTS, PROTECTION MEASURES, and TIMING or not applicable
916.9[936.7,956.7](m)—Tractor Road Drainage Facility Installation.	
916.9[936.9,956.9](n)(1)-(7), WLPZ, & protected ELZ & EEZs.	

ASP Watersheds & Immediately upstream WLPZ, & protected ELZ & EEZ—	DESCRIPTION OF: TREATMENTS, PROTECTION MEASURES, and TIMING or not applicable
923.5[943.5,963.5](q)(3) as it pertains to roads, landings, etc. 923.9[943.9,963.9](t)(4) as it pertains to watercourse crossings.	

b. [] Yes [] No Are there any significant existing or potential erosion sites associated with logging roads, landings and watercourse crossings in the logging area? (923.1 [943.1, 963.1](e)(1) – (5). Also see 923.9 [943.9, 963.9](a) If so, for each significant existing or potential erosion site, provide the following:

- Locate and map significant existing and potential erosion sites.
- In addition, for each site:
 - Describe current condition of the site.
 - Identify which sites can be feasible treated, and which sites cannot.
 - Specify mitigations for those sites that can be feasibly treated.
 - Describe a logical order of treatment for those which have feasible treatments.

19. Yes No Are tractor or skidder constructed layouts to be used? If yes, specify the location and extent of use:

20. Yes No Will ground based equipment be used within the area(s) designated for cable yarding? If yes, specify the location and for what purpose the equipment will be used. See 914.3 [934.3, 954.3] (e).

21. Within the THP area will ground based equipment be used on:

- a. Yes No Unstable soils or slide areas? Only allowed if unavoidable.
- b. Yes No Slopes over 65%?
- c. Yes No Slopes over 50% with high or extreme EHR?
- d. Yes No Slopes between 50% and 65% with moderate EHR where heavy equipment use will not be restricted to the limits described in 914.2 [934.2, 954.2] (f) (2) (i) or (ii)?
- e. Yes No Slopes over 50% which lead without flattening to sufficiently dissipate water flow and trap sediment before it reaches a watercourse or lake?

If a. is yes: provide site specific measures to minimize effect of operations on slope stability. Provide explanation and justification in section III per 914.2[934.2,954.2](d). CAL FIRE requests the RPF consider flagging tractor road locations.

If b., c., d. or e. is yes:

- 1) tractor road locations must be flagged on the ground prior to the PHI or start of operations if a PHI is not required, and
- 2) provide a clear explanation and justification in Section III explaining why the standard rule is not feasible or would not comply with 914 [934, 954].

The location of heavy equipment operation on unstable areas or any use beyond the limitations of the standard rules must be shown on the map. Provide instructions to the LTO below.

22. Yes No Are any alternative practices to the standard harvesting or erosion control rules proposed? If yes, provide the information as required by 914.9 [934.9, 954.9] in Section III. Provide instructions to the LTO below.

WINTER OPERATIONS

NOTE: "Winter period" means the period between November 15 and April 1, except as noted under special County Rules at 925.1, 926.18, 927.1, and 965.5. (a) except as otherwise provided in the rules: (1) All waterbreaks shall be installed no later than the beginning of the winter period of the current year of timber operations. (2) Installation of drainage facilities and structures is required from October 15 to November 15 and April 1 to May 1 on all constructed skid trails and tractor roads prior to sunset if the National Weather Service forecast is a "chance" (30% or more) of rain within the next 24 hours. **A Winter Operating Plan (WOP) includes all the requirements pursuant to 914.7[934.7, 954.7] (b).**

23. a. Yes No Will timber operations occur during the winter period? If yes, complete "b, c, or d." State in space provided if exempt because yarding method will be cable, helicopter, or balloon.
- b. Yes No Will mechanical site preparation be conducted during the winter period? If yes, complete "d".
- c. I choose the in-lieu option as allowed in 914.7[934.7,954.7](c). Specify below the procedures listed in subsections (1) and (2), and list the site specific measures for operations in the WLPZ and unstable areas as required by subsection (3), if there will be no winter operations in these areas, so state.
- d. I choose to prepare a winter operating plan per 914.7[934.7,954.7](b).
- e. Yes No Will tractor watercourse crossings be used during the winter period? If so, provide specific operational instructions and mitigations in the winter period operating plan. Exceptions must be explained and justified in Section III. 914.8 [934.8,954.8](d)
- f. Yes No Will roads or landings be constructed during the winter period? If so, provide specific operational instructions and mitigations in a complete Winter Period Operating Plan (WOP). 923.4[943.4, 963.4](l)
- g. Yes No Will temporary roads be open during the winter period? If so, provide specific operational instructions and mitigations in a WOP. 923.6 [943.6, 963.6](f)
- h. Yes No Will roads or landings be used for log hauling and heavy equipment use during the winter period and not be restricted to roads with a stable operating surface and where necessary be surfaced with rock to a depth and quantity sufficient to maintain such a surface? If so, provide specific operational instructions and mitigations in a complete WOP, and provide an explanation and justification in Section III. 923.6 [943.6, 963.6](g)
- i. Yes No Will roads or landings be used for log hauling and heavy equipment use during the winter period on roads that are not hydrologically disconnected and exhibit saturated soil conditions? If so, provide specific operational instructions and mitigations in a complete WOP, and provide an explanation and justification in Section III. 923.6 [943.6, 963.6](g)
- j. Yes No Will temporary logging roads and landings be used during the winter period; or will logging roads to be abandoned or deactivated be open (not be blocked) during the winter period? If so, provide specific operational instructions and mitigations in a complete WOP. 923.8 [943.8, 963.8] and (d)
- k. Yes No Will any logging road watercourse crossing proposed for removal not be removed and stabilized prior to the winter period? If so, provide the specifics of the applicable CDFW 1600 agreement, or otherwise provide the specifics under Item #23. 923.9 [943.9, 963.9] (p)(4)
- l. Yes No Will any temporary logging road watercourse crossing not be removed and stabilized prior to the winter period? If so, provide specific operational instructions and mitigations under Item #23. 923.9 [943.9, 963.9]

If applicable, address the following as it applies to ASP WATERSHEDS

- m. Yes No Are timber operations proposed during the Extended Wet Weather Period - October 15 to May 1? If so, provide a full a winter operating plan (WOP). 916.9 [936.9, 956.9] (l) (also see 916.9 [936.9, 956.9](l)(1))

If applicable, address the following as it applies to ASP WATERSHEDS or immediately upstream:

- n. Yes No Will logging road or landing use occur, or will proposed logging road or landing construction or reconstruction occur during the extended wet weather period? If so, provide specific operational instruction and mitigation in a complete WOP. 923.6 [943.6, 963.6](h)(6) and 923.4 [943.4, 963.4](s)(2)
- o. Yes No Will any watercourse crossing drainage structures be constructed or reconstructed during the extended wet weather period? If so, provide specific operational instruction and mitigation in a complete WOP. 923.9 [943.9, 963.9] (s)

ROADS AND LANDINGS

24. Will any roads be constructed? Yes No, or reconstructed? Yes No. If yes, check items "a." – "e" & "g."
Will any landings be constructed? Yes No, or reconstructed? Yes No. If yes, check items "h." – "j."

PROVIDE: The classification and approximate length of each of the following logging road segment categories: constructed, reconstructed, and abandoned. 1034(o).

- a. Yes No Will new or reconstructed roads be wider than single lane with turnouts? 923.2 [943.2, 963.2](d)(1)
- b. Yes No Are logging roads proposed in areas of unstable soils or known slide-prone areas? Will any logging road cross an unstable area or connected headwall swale? 923.1 [943.1, 963.1](d).
- c. Yes No Will new roads exceed a grade of 15% or have pitches of up to 20% for distances greater than 500 feet? Map must identify any new or reconstructed road segments that exceed an average 15% grade for over 200 feet. 923.2 [943.2, 963.2] (d)(2) & 1034(x)(5)(A)
- d. Yes No Are roads to be constructed, or reconstructed, other than crossings, within the WLPZ watercourse? If yes, completion of HP Item 27 a. will satisfy required documentation. Language removed from 916.3 [936.3, 956.3](c).
- d1. Yes No Will any logging roads or landings be constructed within: 150' of a Class I WLTL; 100 feet of a Class II WLTL on slopes > 30%; Class I, II, III, or IV watercourses or lakes; a WLPZ; or in marshes, wet meadows, and other wet areas except as described under 923.1 [943.1, 963.1](b)(1) – (3)? If so, address the exception pursuant to 923 (943, 963)(c).
- d2. Yes No Will any logging roads or landings be reconstructed within: a Class I, II, III, or IV watercourse or lake; a WLPZ; or in marshes, wet meadows and other wet areas except as described under 923.1 [943.1, 963.1] (c)(1) – (3)? If so, address the exception pursuant to 923 (943, 963)(c).
- e. Yes No Will roads be located across more than 100 feet of lineal distance on slopes over 65%, or on slopes over 50% which are within 100 feet of the boundary of a WLPZ that drain toward the zoned watercourse or lake? 923.2[943.2, 963.2] (a)(7). Also see 923.4 [943.4, 963.4](n).
- f. Yes No Will any roads or watercourse crossings be deactivated or abandoned? 923.8 [943.8, 963.8] and 923.9[943.9, 963.9] (e), (p).
- g. Yes No Are exceptions proposed for Is there any exception to flagging or otherwise identifying the location of any road to be constructed or reconstructed? 923.3 [943.3, 963.3](c).
- h. Yes No Will any landings exceed one half acre in size? If any landing exceeds one quarter acre in size or requires substantial excavation, the location must be shown on the map. 923.2[943.2, 963.2](e)(2) and 1034(x)(5)(D).
- i. Yes No Are any landings proposed in areas of unstable soils, or known slide-prone areas? Will any landing be located on an unstable area or connected headwall swale? 923.1 [943.1, 963.1](d).
- j. Yes No Will any landings be located on slopes over 65% or on slopes over 50% which are within 100 feet of the boundary of a WLPZ and drain toward the zoned watercourse or lake? 923.2 [943.2, 963.2](a)(7) & 923.4 [943.4, 963.4](n).
- k. Yes No Will any landing be deactivated or abandoned? 923.8 [943.8, 963.8].
- l. Yes No **ASP WATERSHED:** Will hauling on roads and landings be limited to those which are hydrologically disconnected from watercourses to the extent feasible, and exhibit a stable operating surface? If not, address the exception pursuant to 923.6 [943.6, 963.6] (h)(3).

25. If any section in "item 24" above is answered yes, specify site-specific measures to reduce adverse impacts and list any additional or special information needed by the LTO concerning the construction, maintenance, deactivation and/or abandonment of roads or landings, as required by 14 CCR § Article 12. **Include required explanation and justification in THP Section III.** Additional notes relative to the Road Rules effective 1/1/15:

For ALL WATERSHEDS, as applicable:

- Where abandonment or deactivation is required or proposed, describe specific measures to prevent significant sediment discharge. 923.8 [943.8, 963.8].
- If the logging road is to be abandoned provide the blockage design. 923.8 [943.8, 963.8](d).

Additionally, as it applies to ASP WATERSHEDS and immediately upstream:

- Where logging road or landing construction or reconstruction is proposed, identify: (1) How the proposed operations will fit into the systematic layout pattern; (2) What, if any, offsetting mitigation measures, including but not limited to, abandonment of logging roads and landings, are needed to minimize potential adverse impacts to watersheds from the road system. 923.1 [943.1,963.1](g).
- On slopes > 50 % with access to a watercourse or lake: (A) Provide specific provisions for the protection of salmonid habitat for all logging road construction. 923.4 [943.4, 963.4](s)(1).
- For all permanent and seasonal roads with a grade of 15 % or > that extend 500' or more provide specific erosion control measures. 923.5 [943.5, 963.5](q)(2).

WATERCOURSE AND LAKE PROTECTION ZONE (WLPZ) AND DOMESTIC WATER SUPPLY PROTECTION MEASURES

Note, If any "item is answered "yes" provide the required information pursuant to the associated rule. Provide operational information in Section II; and any explanation and justification required in Section III.

26. a. Yes No Are there any watercourse or lakes which contain Class I through IV waters on or adjacent to the plan area? If yes, list the class, WLPZ or ELZ width, and protective measures determined from Table I and/or 916.4 (936.4, 956.4)(c) and 916.9 [936.9, 956.9] of the WLPZ rules for each watercourse. Specify if Class III or IV watercourses have WLPZ, ELZ or both.
- b. Yes No Are there any watercourse crossings that require mapping per 1034 (x) (7)?
- c. Yes No Will tractor road watercourse crossings involve the use of a culvert? If yes state minimum diameter and length for each culvert (may be shown on map).
- d. Yes No Is this THP Review Process to be used to meet Department of Fish and Wildlife CEQA review requirements? If yes, attach the 1611 Addendum below or at the end of this Section II; provide the background information and analysis in Section III; list instructions for LTO below for the installation, protection measures, and mitigation measures. as per THP Form Instructions or CDF Mass Mailing, 07/02/1999, "Fish and Game Code 1611 Agreements and THP Documentation".
- e. Yes No Are any exceptions provided under F & G code 1600 et seq., and made an enforceable part of plan? If so, identify the exceptions. 923 [943,963](d).
- f. Yes No Will new drainage structures and facilities on watercourses that support fish or listed aquatic species be constructed? If so, structures and facilities shall be fully described and allow unrestricted passage and natural movement of bedload. 923.9 [943.9, 963.9](c).
- g. Yes No Are there any new permanent constructed, reconstructed, and temporary logging road watercourse crossings, including those to be abandoned or deactivated that require mapping per 1034 (x)(6)? If structure is a permanent culvert, specify the minimum diameter and the method(s) used to determine the culvert diameter. 923.9 [943.9, 963.9](e).
- h. Yes No Is there any exception to flagging or otherwise identifying the location of any constructed or reconstructed road watercourse crossings be flagged prior to the pre harvest inspection? If so, provide an explanation and justification as directed pursuant to 923.9 [943.9, 963.9](e)(1).
- i. Yes No Will critical dips not be incorporated into the construction or reconstruction of logging road watercourse crossings utilizing culverts? If so, provide the methods that will be used to address diversion of overflow. 923.9 [943.9, 963.9](j).
- j. Yes No Will watercourse crossings and associated fills and approaches not be constructed and maintained to prevent diversion of stream overflow down the road, and minimize fill erosion should the drainage structure become obstructed? Note: methods to mitigate or address diversion of stream overflow shall be stated in the plan. 923.9 [943.9, 963.9](k).
- k. Yes No Will rock be used to stabilize crossing outlets? If so, describe the range of required rock dimensions. 923.9 [943.9, 963.9](l).
- l. Yes No Is there a significant volume of sediment stored upstream from any crossing proposed to be reconstructed or removed? If so, describe how the stored sediment shall be removed or stabilized, to extent feasible, and in conformance with CDFW 1600 agreements where applicable. 923.9 [943.9, 963.9](n).
- m. Yes No Are crossing fills over culverts large, or do logging road watercourse crossing drainage structures and erosion control features historically have a high failure rate? If so, such drainage structures and erosion control features shall be oversized, designed for low maintenance, reinforced, or removed before the completion of timber operations; or as specified in the plan. 923.9 [943.9, 963.9](o).
- n. Yes No Will any logging road watercourse crossing be removed? If so, describe the removal in the plan pursuant to the standards of 923.9 [943.9, 963.9](p)(1) – (4).

ANSWER THE FOLLOWING FOR PLANS LOCATED IN ASP WATERSHEDS

- o.** Yes No Will timber operations occur within Class I WLPZs or in WLPZs adjacent to restorable Class I watercourses? If so, address 916.9 [936.9, 956.9](f)(1)(A) – (E).
- p.** Yes No Except for those operations listed in 916.9 [936.9, 956.9](e)(1)(A) – (E), or as described in 923.1 [943.1, 963.1] (h), will there be any timber operations within the channel zone of any watercourse, or will there be any logging roads or landings constructed or reconstructed in the CMZ or Core Zone of a Class I? If so, address as required relative to the respective rule.
- q.** Yes No Are there existing permanent Class I crossings, where fish are always or seasonally present or where passage is restorable? If so, describe each crossing; and where the current crossing conditions may be adversely affecting fish passage disclose such conditions in the plan and propose measures, if feasible, to address conditions. 923.9 [943.9, 963.9] (d).
- r.** Yes No Will water drafting occur relative to timber operations? If so, address 923.7 [943.7, 963.7] (l).

27. Are site specific practices proposed in-lieu of the following standard WLPZ practices?

- a.** Yes No Prohibition of the ~~construction or reconstruction of roads~~, construction or use of tractor roads ~~or landings~~ in Class I, II, III, or IV watercourses, WLPZs, marshes, wet meadows, and other wet areas except as follows: ~~Language removed from 916.3 [936.3, 956.3](c)~~
- (1) At prepared tractor road crossings.
 - (2) Crossings of Class III watercourses which are dry at time of timber operations.
 - ~~(3) At existing road crossings.~~
 - (3) At new tractor and road crossings approved by Department of Fish and Wildlife.
- b.** Yes No Retention of non-commercial vegetation bordering and covering meadows and wet areas?
- c.** Yes No Directional felling of trees within the WLPZ away from the watercourse or lake?
- d.** Yes No Decrease of width(s) of the WLPZ(s)?
- e.** Yes No Protection of watercourses which conduct class IV waters?
- f.** Yes No Exclusion of heavy equipment from the WLPZ except as follows:
- (1) At prepared tractor road crossings.
 - (2) Crossings of Class III watercourses which are dry at time of timber operations.
 - (3) At existing road crossings.
 - (4) At new tractor and road crossings approved by Department of Fish and Game.
- g.** Yes No Establishment of ELZ for Class III watercourses unless sideslopes are <30% and EHR is low?
- h.** Yes No Retention of at least 50% of the overstory canopy in the WLPZ?
- i.** Yes No Retention of at least 50% of the understory in the WLPZ?
- j.** Yes No Are any additional in-lieu or any alternative practices proposed for watercourse or lake protection?

NOTE: A yes answer to any of items "a." through "j." constitutes an in-lieu or alternative practice. If any item is answered yes Refer to 916.1 [936.1, 956.1] for the in lieu practices, and address the following for each item checked yes:

1. The RPF shall state the standard rule;
2. Explain and describe each proposed practice;
3. Explain how the proposed practice differs from the standard practice;
4. The specific location where it shall be applied, see map requirements of 1034 (x) (15) and (16);
5. Provide in THP Section III an explanation and justification as to how the protection provided is equal to the standard rule and provides for the protection of the beneficial uses of water, as per 916.1 (936.1, 956.1) (a). Reference the in-lieu and location to the specific watercourse to which it will be applied.

For Alternative Practices refer to 916.6 [936.6, 956.6] and/or 916.9 [936.9, 956.9] (v).

- 28. a.** Yes No Are there any landowners within 1000 feet downstream of the THP boundary whose ownership adjoins or includes a class I, II, or IV watercourse(s) which receives surface drainage from the proposed timber operations? If yes, the requirements of 1032.10 apply. Proof of notice by letter and newspaper should be included in THP Section V. If No, "28 b." need not be answered.
- b.** Yes No Is an exemption requested of the notification requirements of 1032.10? If yes, an explanation and justification for the exemption must appear in THP Section III. Specify if requesting an exemption from the letter, the newspaper notice or both.
- c.** Yes No Was any information received on domestic water supplies that required additional mitigation beyond that required by standard Watercourse and Lake Protection rules? If yes, list site specific measures to be implemented by the LTO.

29. Yes No Is any part of the THP area within a Sensitive Watershed as designated by the Board of Forestry and Fire Protection? If yes, identify the watershed and list any special rules, operating procedures or mitigation that will be used to protect the resources identified at risk?

HAZARD REDUCTION

30. a. Yes No Are there roads or improvements which require slash treatment adjacent to them? If yes, specify the type of improvement, treatment distance, and treatment method.
- b. Yes No Are any alternatives to the rules for slash treatment along roads and within 200 feet of structures requested? If yes, RPF must explain and justify how alternative provides equal fire protection. Include a description of the alternative and where it will be utilized below.
31. Yes No Will piling and burning be used for hazard reduction? See 917, [937,957] et seq., for specific requirements. Note: LTO is responsible for slash disposal. This responsibility cannot be transferred.

BIOLOGICAL AND CULTURAL RESOURCES

32. a. Yes No Are any plant or animal species, including their habitat, which are listed as rare, threatened or endangered under federal or state law, or a sensitive species by the Board, associated with the THP area? If yes, identify the species and the provisions to be taken for the protection of the species.
- b. Yes No Are there any non-listed species which will be significantly impacted by the operation? If yes, identify the species and the provisions to be taken for the protection of the species.

NOTE: See THP Form Instructions or the CDF Mass Mailing, 07/02/1999, section on "CDF Guidelines for Species Surveys and Mitigations" to complete these questions.

33. Yes No Are there any snags which must be felled for fire protection or safety reasons? If yes, describe which snags are going to be felled and why.
34. Yes No Are any Late Succession Forest Stands proposed for harvest? If yes, describe the measures to be implemented by the LTO that avoid long-term significant adverse effects on fish, wildlife and listed species known to be primarily associated with late succession forests.
35. Yes No Are any other provisions for wildlife protection required by the rules? If yes, describe.
36. a. Yes No Has an archaeological survey been made of the THP area?
- b. Yes No Has a current archaeological records check been conducted for the THP area?
- c. Yes No Are there any archaeological or historical sites located in the THP area? Specific site locations and protection measures are contained in the Confidential Archaeological Addendum in Section VI of the THP, which is not available for general public review.
37. Yes No Has any inventory or growth and yield information designated "trade secret" been submitted in a separate confidential envelope in Section VI of this THP?
38. Describe any special instructions or constraints that are not listed elsewhere in Section II.

DIRECTOR OF FORESTRY AND FIRE PROTECTION

This Timber Harvesting Plan conforms to the rules and regulations of the Board of Forestry and Fire Protection and the Forest Practice Act:

By: _____
(Signature)

(Date)

(Printed Name)

(Title)

DRAFT