

File

<p>FOR ADMIN. USE ONLY Amendments-date & S or M</p> <p>1. _____ 7. _____ 2. _____ 8. _____ 3. _____ 9. _____ 4. _____ 10. _____ 5. _____ 11. _____ 6. _____ 12. _____</p>	<p>TIMBER HARVESTING PLAN STATE OF CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION RM-63 (9/94)</p>	<p>FOR ADMIN. USE ONLY</p> <p>THP No. <u>1-96-284 MEN</u> Dates Rec. Ed <u>JUN 26 1996</u> Date Filed <u>JUL 06 1996</u> Date Approved <u>JUL 31 1996</u> Date Expires <u>JUL 30 1998</u> 2001 Extensions 1) <input checked="" type="checkbox"/> 2) <input checked="" type="checkbox"/></p>
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This Timber Harvesting Plan (THP) form, when properly completed, is designed to comply with the Forest Practice Act (FPA) and Board of Forestry rules. 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.

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 - Mr. Fred Galbreath
 Address P.O. Box 188
 City Kentfield State CA Zip 94904 Phone (707) 894-5676
 Signature *Fred Galbreath* Date 6/22/96

NOTE: The timber owner is responsible for payment of a yield tax. Timber Yield Tax information may be obtained at the Timber Tax Division, State Board of Equalization, P.O. Box 942879, Sacramento, California 94279-0001.

2. TIMBERLAND OWNER(S) OF RECORD: Name Mr. Fred Galbreath
 Address 3880 Sleepy Hollow Dr.
 Address P.O. Box 188
 City Kentfield State CA Zip 94904 Phone (707) 894-5676
 Signature *Fred Galbreath* Date 6/22/96

3. LICENSED TIMBER OPERATOR(S): Name Charlie Hiatt Lic. No. A-7493
 Address P.O. Box 595
 City Boonville State Ca Zip 95415 Phone (707) 895-2403
 Signature *Charlie Hiatt* Date 2-22-96

4. PLAN SUBMITTER(S): Name Charlie Hiatt
 Address P.O. Box 595
 City Boonville State CA Zip 95415 Phone (707) 895-2403

If submitter is not 1, 2, or 3 above he/she must sign below and provide explanation of authority.

Signature N/A Date Received CDF
REGION 1

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JUN 26 1996

5. If LTO is not present on-site list person to contact on-site who is responsible for the conduct of the operation and represents the interests of the LTO. Charlie Hiatt
 Address P.O. Box 595
 City Boonville State CA Zip 95415 Phone (707) 895-2403

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?

Who is responsible for erosion control maintenance after timber operations have ceased and until certification of the Work Completion Report?

Timber Operator

6. a) Expected date of commencement of timber operations:

date of conformance, or _____ (date)

b) Expected date of completion of timber operations:

3 years from date of conformance, or _____ (date)

7. The timber operation will occur within the:

COAST FOREST DISTRICT

The Tahoe Regional Planning Authority Jurisdiction

Southern Subdistrict of the Coast F.D.

A County with Special Regulations, identify:

SOUTHERN FOREST DISTRICT
 High use subdistrict of the Southern F.D.

Special Treatment Area(s), identify:

NORTHERN FOREST DISTRICT

Other _____

8. Location of the timber operation by legal description:

Base and Meridian:

Mount Diablo

Humboldt

San Bernardino

Section	Township	Range	Acreage
<u>25</u>	<u>12N</u>	<u>13W</u>	<u>54</u>
<u>26</u>	<u>12N</u>	<u>13W</u>	<u>06</u>
<u>35</u>	<u>12N</u>	<u>13W</u>	<u>31</u>
<u>36</u>	<u>12N</u>	<u>13W</u>	<u>80</u>

County	Assessor's Parcel Number*
<u>Mendocino</u>	_____
<u>Mendocino</u>	_____
<u>Mendocino</u>	_____
<u>Mendocino</u>	_____

TOTAL ACREAGE 171 ac.

* Optional

9. Yes No Is a Timberland Conversion Permit in effect?

If yes, list permit number and date of expiration: _____

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 CDF for any portion of the plan area for which a report of satisfactory stocking has not been issued by CDF?
If yes, identify the THP or NTMP number(s): THP 1-91-444 MEN has expired with no cutting and only minimal earthwork undertaken. A completion report has been submitted.

12. Yes No Is a Notice of Intent necessary for this THP?

13. RPF preparing the THP: Name Lee Susan RPF Number 2127
Address 16575 Franklin Road
City Fort Bragg State CA Zip 95437 Phone (707) 964-4566

- a) Yes No I have notified the plan submitter(s), in writing, of their responsibilities pursuant to Title 14 CCR 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 approved THP. If "no", who will provide the LTO a copy of the approved THP?

The plan submitter will provide a copy of the approved THP to the LTO.

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 Title 14 CCR 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):

The listed RPF will be the plan submitters agent during the THP approval process. The RPF will meet with the LTO to discuss the project as required by Title 14 CCR 1035.2. THP preparation fieldwork will be done by the listed RPF. The RPF will submit any necessary amendments if employed to do so. It is the LTO's responsibility to insure that the RPF / LTO meeting happens in a timely fashion.

- d) Additional required work requiring an RPF which I do not have the authority or responsibility to perform:
NSO surveys in additional years if it becomes necessary to do so.

- e) After considering the rules of the Board of Forestry and the mitigation measures, 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 the plan complies with the Forest Practice Act, the Forest Practice Rules and the Professional Foresters Law.

Signature

Lee Susan

Date

6/13/96



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 required must be included in Section III of the THP.

14. 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 14 CCR 913.11 (939.11, 953.11). If more than one method or treatment will be used show boundaries on map and list approximate acreage for each.

- Clearcutting ___ ac.
- Shelterwood Prep. Step ___ ac.
- Shelterwood Seed Step ___ ac.
- Shelterwood Removal Step ___ ac.
- Seed Tree Seed Step 35 ac.
- Seed Tree Removal Step 99 ac.
- Selection 37 ac.
- Group Selection ___ ac.
- Transition ___ ac.
- Commercial Thinning ___ ac.
- Sanitation Salvage ___ ac.
- Special Treatment Area ___ ac.
- Rehabilitation of Understocked Area ___ ac.
- Alternative ___ ac.
- Conversion ___ ac.

Total acreage 171 MSP Option Chosen (a) (b) (c)

a. If Group Selection or more than one method is applied how will LTO determine boundaries of each method or group on the ground?

Conifer timber to be cut has been marked by the RPF and his designee with blue paint in seed tree and seed tree removal areas. Trees to be cut in the selection unit have been marked with yellow paint. Marking is consistent with "marking" CCR 815.1. A stump mark was made with blue marking paint.

b. Yes No Will evenage regeneration step units be larger than those specified in the rules (20 acre tractor, 30 acre cable)? If yes, units must be designated on map and listed by size.

c. 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.

Conifer timber to be cut has been marked by the RPF and his designee with blue paint in seed tree and seed tree removal areas. Trees to be cut in the selection unit have been marked with yellow paint. Marking is consistent with CCR 815.1. A stump mark was made with blue marking paint.

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?

N/A

d. Forest Products to be Harvested: Sawlogs, pulplogs, veneer logs and fuelwood

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- e. 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?
 If answer to either is yes, list the species and provide the LTO with necessary felling guidance.

N/A

f. Other instructions to LTO concerning felling operations. All applicable rules and regulations apply. Nothing contained in this THP shall be construed as a requirement to work in an unsafe manner. If trees designated for harvest cannot be cut in a safe manner they may be left standing and if safety considerations indicate that trees marked for retention must be cut then they may be cut. Within the WLPZ if safety considerations dictate that an unmarked tree be cut then a marked tree of equal or greater size will be retained as a replacement.

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

- h. Yes No Will site preparation be used to meet stocking standards?
 If yes, provide the information required for a site preparation addendum.

PESTS

15. Yes No Are there any adverse 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*		CABLE	SPECIAL
a)	<input checked="" type="checkbox"/> Tractor, including end/long lining	d) <input type="checkbox"/> Cable, ground lead	g) <input type="checkbox"/> Animal
b)	<input checked="" type="checkbox"/> Rubber tired skidder, Forwarder	e) <input type="checkbox"/> Cable, high lead	h) <input type="checkbox"/> Helicopter
c)	<input type="checkbox"/> Feller buncher	f) <input type="checkbox"/> Cable, Skyline	i) <input type="checkbox"/> Other

* 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 to 20 acres in size (10 acres for high and extreme EHRs in the Coast District).

18. 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.



rup Linda Blair

Annual rye grass will be planted with an application rate of 25 lbs./ac. or more, where more than 800 continuous square feet of bare mineral soil is exposed in the WLPZ. Seeding will be done prior to October 15th except that such bare areas created after October 15th will be seeded within 10 days. Title 14 CCR 916.7 which is pertinent to this situation has been reproduced here in part for ease of reference : *"Within the watercourse and lake protection zone adjacent to Class 1 and Class 2 waters, areas where mineral soil exceeding 800 continuous square feet in size, exposed by timber operations, shall be treated for reduction of soil loss. Treatment shall be done prior to October 15th except that such bare areas created after October 15th shall be so treated within 10 days, or as agreed to by the director".*

In the event that sidecast or fill material extends more than 20 feet in slope distance from the outside edge of a roadbed and this material has access to a watercourse or lake which is protected by a WLPZ then the area will be seeded with annual rye grass at an application rate of 25 lbs./ac. or more . Title 14 CCR 923.2(m) which is pertinent to this situation has been reproduced here for ease of reference : *" Sidecast or fill material extending more than 20 feet in slope distance from the outside edge of the roadbed which has access to a watercourse or lake which is protected by a Wlpz shall be seeded, planted, mulched, removed or treated as specified in the THP, to adequately reduce soil erosion."*

Where temporary stream crossings are used, bare soil associated with the crossing will be seeded with annual rye grass at an application rate of 25 lbs./ac. This seeding will be done after the crossing is removed and prior to October 15th. Title 14 CCR 923.3(d)(2) which is pertinent to this situation has been reproduced in part here for ease of reference : *"The excavated material and any resulting cut bank shall be sloped back from the channel and stabilized to prevent slumping and to minimize soil erosion. Where needed, this material shall be stabilized by seeding, mulching, rock armoring, or other suitable treatment."*

In areas described above where seeding is required straw mulch will be applied to achieve 90% coverage of bare mineral soil with a two inch thickness at the time of application. Additional seeding and mulching may be done as necessary to reduce the potential for short term sheet and rill erosion.

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

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?

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

- a) Yes No Unstable soils or slide areas?
- b) Yes No Slopes over 65%?
- c) Yes No Slopes over 50% with high or extreme EHR?
- d) Yes No Slopes over 50% which lead without flattening to a Class I or Class II watercourse or lake?

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L. FURON

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List specific measures to minimize the effects of the use of ground based equipment for each yes checked: Only existing skid trails which have been flagged by the RPF at map point "B" are to be used where slopes exceed 65%. Please see items 21b and 21d of Section 3 of the THP for additional information concerning skid trails on slopes over 65%. Areas where ground based equipment will operate on slopes which are 50%+ and lead to a watercourse without flattening are limited to existing roads at map points "A" and "C".

22. Yes No Are any alternative practices to the standard harvesting or erosion control rules proposed for this plan? If yes, list specific instructions to the LTO.

WINTER OPERATIONS

23. Yes No Will timber operations and/or mechanical site preparation, occur during the winter period? If yes, explain which activities will take place.

- A winter operating plan is as follows; or
- In lieu of a winter operating plan site specific measures to be followed are:

NOTE: All water breaks and rolling dips must be installed by October 15 or as prescribed above.

ROADS AND LANDINGS

- 24. Yes No Will any roads or landings be constructed or reconstructed. If yes, check items a through h:
 - a. Yes No Will new roads be wider than single lane with turnouts?
 - b. Yes No Will any landings exceed one half acre in size?
 - c. Yes No Are logging roads or landings proposed in areas of unstable soils or known slide-prone areas?
 - d. Yes No Will new roads exceed a grade of 15% or have pitches of up to 20% for distances greater than 500 feet? Near THP Map Points D,E,F,G,H
 - e. Yes No Are roads to be constructed or reconstructed, other than crossings, within the WLPZ of a watercourse?
 - f. Yes No Will roads or landings longer than 100 feet in length be located on slopes over 65%, or on slopes over 50% which are within 100 feet of the boundary of a WLPZ?
 - g. Yes No Are exceptions proposed for flagging or otherwise identifying the location or roads to be constructed?
 - h. Yes No Will any roads, watercourse crossings, or associated landings be abandoned?

25. If any section in item 24 is answered yes, specify site-specific measures to reduce adverse impacts and list any additional or special information concerning the construction, maintenance and/or abandonment of roads or landings.

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A slide is located below the road HP Map point "S1". When the road is winterized in this area road drainage will not be concentrated onto the old head scarp. At THP Map point "S2" the road crosses over an unstable area on a large bench. At THP Map point "S2" soil displacement will be minimized when the road is constructed across this flat area. Where road are constructed or reconstructed at grades in excess of 15% extra care will be taken to insure that properly sized and spaced waterbreaks are installed when these areas are winterized.

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

26. 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 width, and protective measures determined from Table I and/or 14 CCR 916.4 (c) [936.4 (c), 956.4 (c)] of the WLPZ rules for each watercourse.

Class 2 Watercourses:

WLPZ buffers will be maintained adjacent to Class 2 watercourses to protect and enhance environmental conditions in the following ways :

- 1) water temperature, 2) streambed and flow modification by large woody debris, 3) filtration of organic and inorganic material, 4) upslope stability. Adjacent to class 2 watercourses on slopes less than or equal to 30% the zone width will be 50 feet; and on slopes greater than 30% to 50% the zone will be 75 feet and on slopes greater than 50% the zone will be 100 feet.

In regards to class 2 WLPZ's the following practices will be observed:

- 1) The WLPZ will be clearly identified on the ground by the RPF who prepared the plan or his designee, with paint, flagging, or other suitable means, prior to the start of timber operations.
- 2) To ensure retention of shade canopy filter strip properties and the maintenance of wildlife values described in 14 CCR 916.4(b), a base mark will be placed below the cut line of the harvest trees within the zone and will be done in advance of timber falling operations by the RPF who prepared the plan or his designee.
- 3) To protect water temperature, filter strip properties, upslope stability, and fish and wildlife values, at least 50% of the total canopy covering the ground will be left in a well distributed multi-storied stand configuration composed of a diversity of species similar to that found before the start of operations. The residual overstory canopy will be composed of at least 25% of the existing overstory conifers.

Class 3 Watercourses

Timber falling will be conducted in accordance with CCR 914.1(a) which has been reproduced here for ease of reference : *"To the fullest extent possible and with due consideration given to the topography, lean of trees, landings, utility lines, local obstructions, and safety factors, trees shall be felled to lead in a direction away from watercourses and lakes"*. Temporary crossings will be removed as specified in CCR 923.3(d) which states as follows : *"When watercourse crossings, other drainage structures, and associated fills are removed the following standards will apply :*

- (1) *Fills shall be excavated to form a channel which is as close as feasible to the natural watercourse grade and orientation and is wider than the natural channel.* (2) *The excavated material and any resulting cut bank shall be sloped back from the channel and stabilized by seeding, mulching, rock armoring, or other suitable treatment."* Watercourse crossings will be stabilized by seeding at the completion of operations as specified in item 18 in order to reduce the potential for short term sheet and rill erosion. Any soil or debris deposited in

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L. Susan

class 3 watercourses as a result of timber operations will be treated as per Title 14 CCR 916.4(c)(3) which has been reproduced here for ease of reference: "Soil deposited during timber operations in a class 3 watercourse other than at a temporary crossing shall be removed and debris deposited during timber operations shall be removed or stabilized before the conclusion of timber operations, or before October 15. Temporary crossings shall be removed before the winter period, or as approved by the director."

Ponds

Three ponds are located within or near the plan area these are small ponds <1/4 acre which may be dry during part of the summer. A 50 foot WLPZ will be maintained around ponds located at THP Map points "P1" and "P2". A 50 foot WLPZ will be maintained above the pond located at THP Map point "P3". *NOTE: These ponds are class 2 based on Aquatic wildlife habitat.*

Springs

A minor seasonal spring is located at the head of a class III watercourse near THP Map point SP1. A 50 foot WLPZ has been flagged around this spring which is located in an open glade. *This is a class 2 spring based on Aquatic habitat.*

A minor spring is located in the logging road at THP Map point SP2. This spring will be drained off the end of a switchback located just below "SP2". In the past this spring has drained directly down the logging road and caused gully erosion. The gully will be repaired by filling with earthen material which will be compacted in lifts. When this road segment is winterized care will be taken to insure that flow from this spring is directed off the road prism at the switchback rather than drained down the road.

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 at prepared crossings.
- 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 Increase or 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?
- g. Yes No Retention of 50% of the overstory canopy in the WLPZ?
- h. Yes No Retention of 50 % of the understory in the WLPZ?
- i. Yes No Are any additional in-lieu or any alternative practices proposed for watercourse or lake protection?

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If any of a. through i. are answered yes, describe and clearly locate the place(s) where the in-lieu or alternative will be used. Reference the in-lieu and location to the watercourse. Provide site specific instructions to the LTO as required.

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28. Yes No Were all landowners within 1000 feet downstream of the THP boundary notified by letter for information regarding domestic water supplies? If no, request exemption in Section III.
- Yes No Was a notice requesting information regarding domestic water supplies published in a newspaper of general circulation in the area? If no, request exemption in Section III.

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? 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. 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.

31. If piling and burning is to be used for hazard reduction, who will be responsible for compliance?
 LTO Timberland Owner Timber Owner - If more than one, specify extent of responsibility.

BIOLOGICAL AND CULTURAL RESOURCES

32. Yes No Are any listed species, including their habitat, associated with the THP area? If yes, identify the species and the provisions to be taken for the protection of the species.

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.

Within the logging area all snags shall be retained to provide wildlife habitat except where safety is a concern and it is felt that safety will be improved by cutting a snag.

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.

A qualified DFG biologist has reviewed our plan and determined that the proposed harvest is consistent with regulations concerning the protection of the northern spotted owl. Please see additional confidential addendum concerning the Northern spotted owl.

36. a. Yes No Has an archaeological survey been made of the THP area?
b. Yes No Has an archaeological records check been conducted for the THP area?
c. Yes No Are there any archaeological or historical sites located in the THP area? If yes, protection measures are described in Section V of the THP.

37. Yes No Has any inventory or growth and yield information designated "trade secre." been submitted in a separate confidential envelope with this THP?

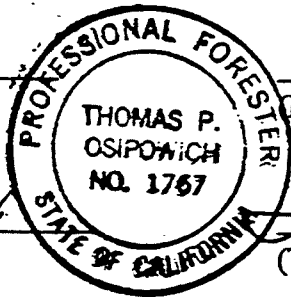
38. Describe any special instructions or constraints which are not listed elsewhere in Section II.
All permanent culverts which are installed will be of sufficient length to convey water completely across the road prism.
There are no power lines located within the plan area.

DIRECTOR OF FORESTRY AND FIRE PROTECTION

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

By: [Signature] (Signature) 7/31/96 (Date)

Thomas P. Osipowich (Printed Name) Quality Chief, Forest Practices (Title)



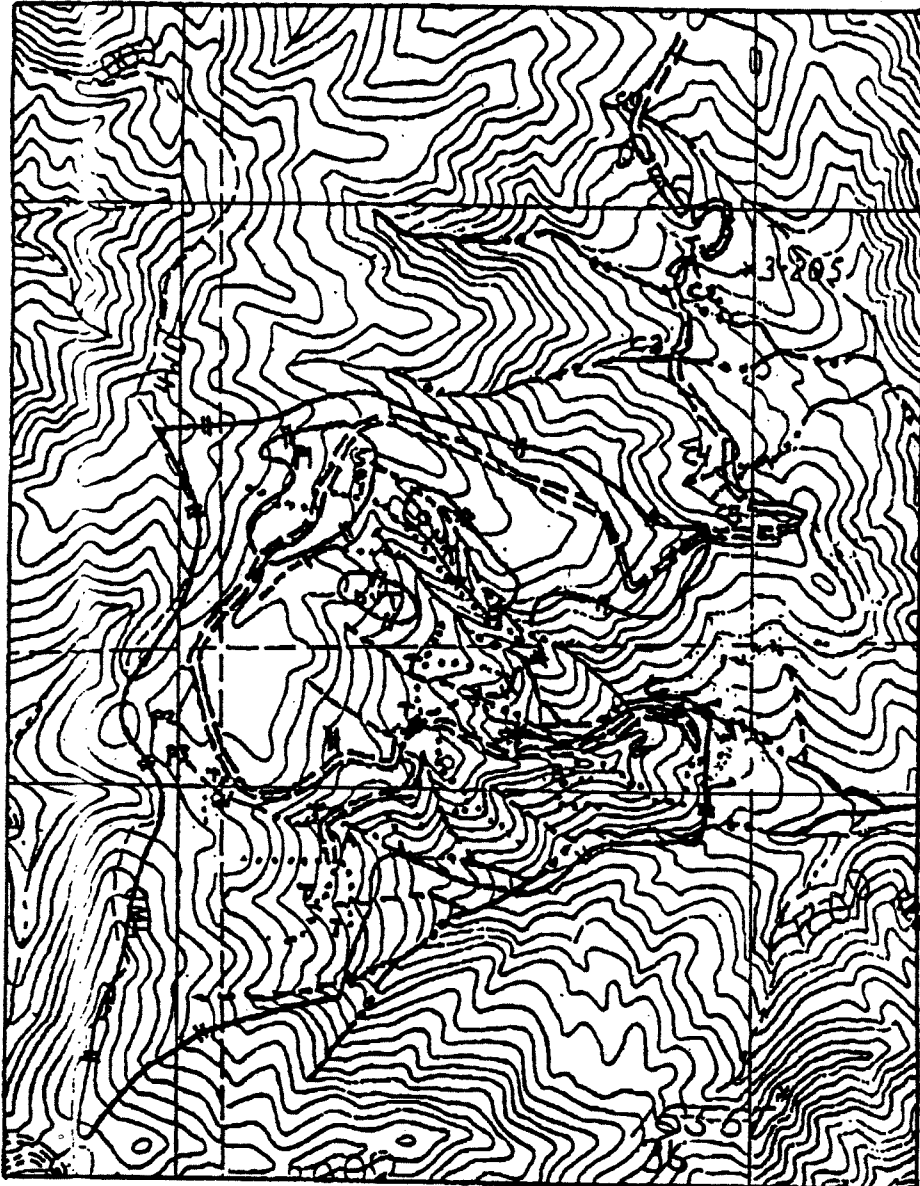
9957 196 102
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Rancheria Creek
1995

14:00 9667-22-TTC
PLAN ADDENDUM,

JUN 13 1996

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Revised 7/2/96
Lee Susan

LEGEND:

- Plan Area Boundary
- Reconstruction Seasonal Truck Roads =====
- Seasonal Road New Construction =====
- Watercourses:
- Class 2
- Class 3
- Defined Skidding Pattern
- Temporary Watercourse Crossing
- Points Referred to in THP text A, B, etc.
- Map Scale is 1" = 1000'

- Permanent Culvert Installations:
- C1 = 18", C2 = 36", C3 = 36"
- C4 = 18", C5 = 18", C6 = 18"
- C7 = 18"

- Spring SP1, SP2
- Class 2 Pond P1, P2, P3
- Slide Area S1, S2

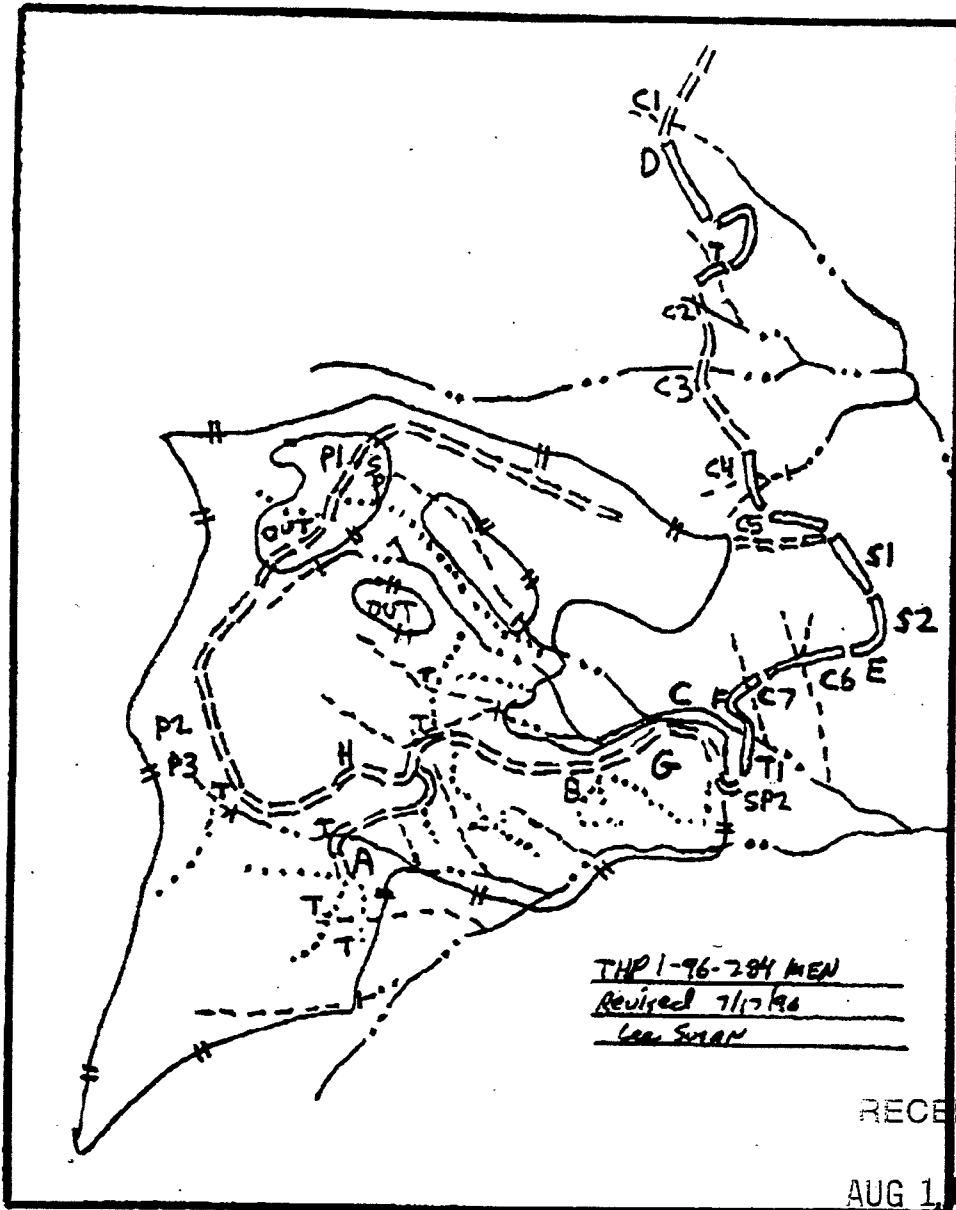
MAP TO ACCOMPANY
 TIMBER HARVESTING PLAN
 Galbreath Rancheria Creek
 1995

1618 AVENUE

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LEGEND:

- Plan Area Boundary
- Reconstruction Seasonal Truck Roads
- Seasonal Road New Construction
- Watercourses:
- Class 2
- Class 3
- Defined Skidding Pattern
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Permanent Culvert Installations:

- C1 = 18", C2 = 36", C3 = 36"
- C4 = 18", C5 = 18", C6 = 18"
- C7 = 18"

- Spring SP1, SP2
- Class 2 Pond P1, P2, P3
- Slide Area S1, S2

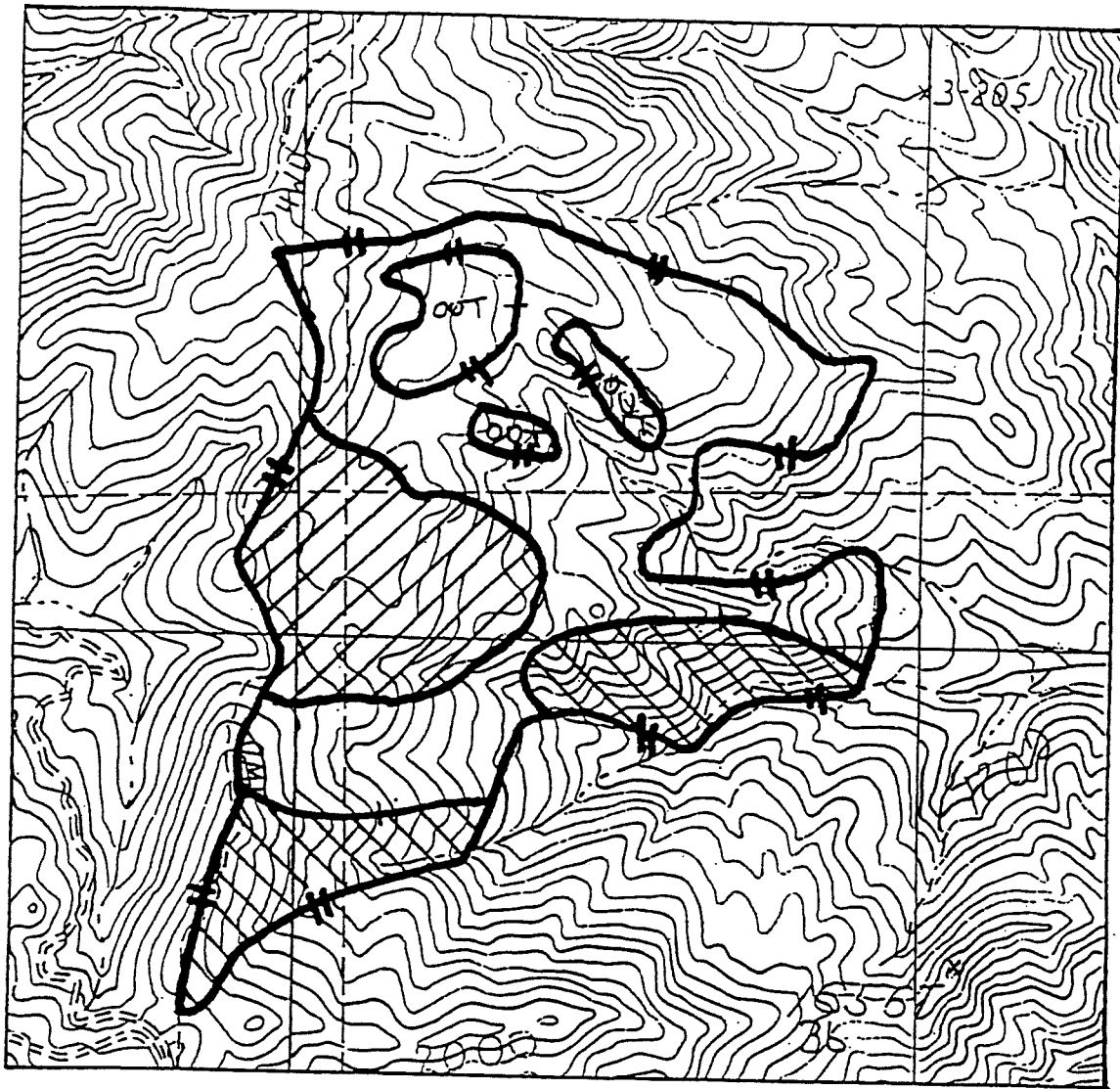
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TIMBER HARVESTING PLAN
Galbreath Rancheria Creek
1996

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



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LEGEND:

- Plan Area Boundary 
- Silvicultural Methods:
- Selection 
- Seed Tree Seed Step 
- Seed Tree Removal (all not shown otherwise)..... 

14

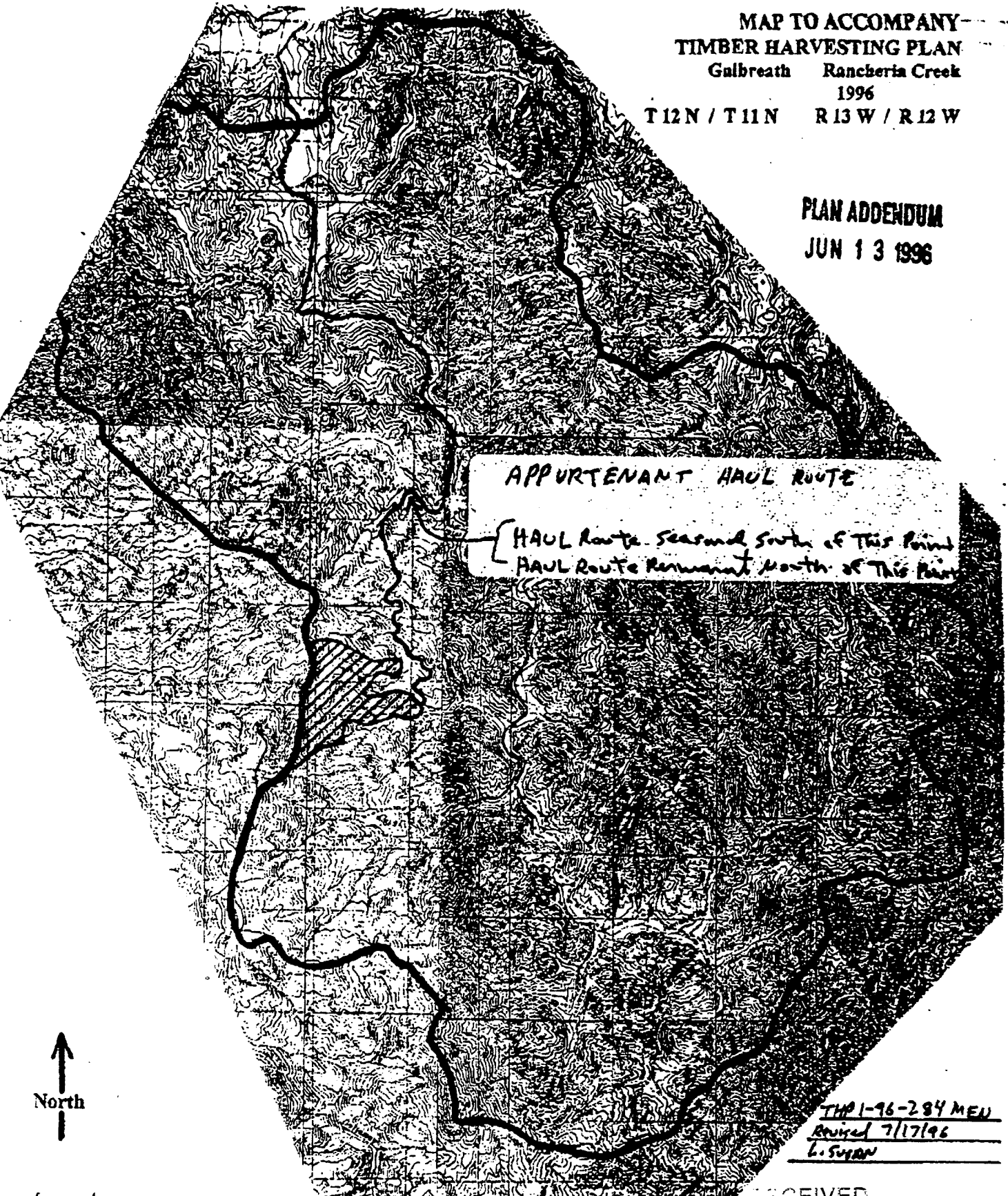
Revised
7/19/96
C. Susan

Map Scale is 1" = 1000'

Timberland is considered to be Site Class 4 except Selection Area = 563


MAP TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Rancheria Creek
1996
T 12 N / T 11 N R 13 W / R 12 W

PLAN ADDENDUM
JUN 13 1996



APPURTENANT HAUL ROUTE
[HAUL route seasonal south of this point
HAUL route permanent north of this point]



Legend:
CWE and Terrestrial Biological Assessment Area
Proposed Harvest Area 

Map Scale is 1" = 4000'

THP 1-96-284 MEN
Revised 7/17/96
L. SWAN

RECEIVED
AUG 14 1996

DEPT. OF FORESTRY
MENDOCINO COUNTY

14.1

Plan Redlined
7/17/96

SECTION III TIMBER HARVEST PLAN ADDITIONAL INFORMATION

1034(jj) Description of Physical Conditions

The proposed timber harvest is located on private property approximately 17 miles inland from the coast. The plan area is located approximately 3.8 miles Southwest of Yorkville. The harvest area is located within the Rancheria Creek watershed which is a tributary the Navarro river. The proposed harvest will occur on slopes of varying aspect and elevation will vary between approximately 1180 and 2120 feet above sea level.

The proposed plan area is located within the Coastal Belt Franciscan Assemblage. SCS soil maps indicate that the Hopland - Wholy soils complex, Hopland - Witherell - Squawrock and the Hopland - Squawrock soils association are the primary soil types in this area. Slopes in the plan area range from moderate (<35%) to moderately steep (65%+). The plan area is identified as Site 4 timberland based on SCS soils information and on information contained in THP 1-91-444 MEN. Based on my field observations the area designated for the selection silvicultural method is Site Class 3. The balance of the plan area is considered to be Site 4.

The timber is a discontinuous stand of Douglas-fir and hardwoods which is interspersed with brush and grassland. Younger age classes consist of generally healthy and fast growing trees. The Douglas-fir overstory is generally defective with conk and fire scar being present throughout the stand. Hardwoods are present in this area but do not dominate the stand.

<u>Summary of Current Stand Conditions</u>		
	<u>% Stand Composition by BA</u>	<u>Average BA/AC</u>
Douglas-fir	45 %	72 Sq.Ft.
tanoak	38 %	62 Sq.Ft.
other hardwoods	07 %	17 Sq.Ft.

Class two and class three watercourses are located in or adjacent to the plan area. Harvest activity is minimized near these watercourses in order to protect the water resource.

THP 1-96-248 MEN
Revised 7/17/96
L. SUSAN

RECEIVED

JUL 18 1996

COAST AREA OFFICE
RESOURCE MANAGEMENT

JUN 13 1996

Additional Information Concerning THP Item 14.

The proposed harvest area is located on a ranch which is several thousand acres in size. A total of 171 acres are proposed for harvesting. 37 acres are submitted under the selection silviculture method, 35 acres located in two units are submitted as a seed tree seed step harvest and 99 acres area are submitted as a low volume seed tree removal harvest.

Selection

Timberland within the area designated for selection harvesting is classified as Site 3 timberland based on field review. The post harvest stand will have a basal area in excess of 75 Sq.ft./Ac. The residual stand in the selection unit will meet the seed tree leave requirements of Title 14 CCR 913.1{c}{1}{A} as well as the specified basal area standards.

Seed Tree Seed Step

A total of 35 acres of seed tree seed step harvesting located in 2 separate units is proposed. The unit sizes are 18 acres and 17 acres. Distances in excess of 300 feet separate the units. Areas located between the seed tree seed step units are larger than the areas proposed for harvest under the seed tree seed step silvicultural method. Average age of timber to be harvested in this unit is estimated to be 90 years. Douglas-fir seed trees will be retained in this unit. Site preparation beyond normal disturbance associated with harvest activity is not proposed. This unit will be planted if natural seeding is not sufficient to restock this area to levels in excess of the statutory stocking requirements.

Seed Tree Removal

Approximately 99 acres are proposed as a low volume seed tree removal harvest. This area typically has a light overstory. The understory consists of Douglas-fir regeneration up to 35 years in age and a mixture of hardwood species including tanoak and Pacific madrone.. Average age of timber to be harvested in this area is estimated to be 90 years. Extensive harvesting occurred in these areas 30 to 40 years ago. Remaining overstory trees in these areas are frequently defective. Approximately 12 trees and 42 Sq.Ft. of basal area per acre will be harvested in these areas based on a sample mark of approximately 95%. Green culls and many healthy trees from the overstory have been designated for retention in seed tree removal areas in order to maintain a variety of wildlife habitat and to provide for stand diversity. This area will be stocked at the completion of operations.

This THP will achieve {MSP} by meeting the requirements of Title 14 CCR 913.11{c}.

Additional information concerning Item 21b :

Existing skid trails located on 65% + slopes near THP Mappoint "B" have been flagged for use. Each of these trails has been flagged on the ground by the RPF. Only skid trails which have remained in good condition since the last timber harvest have been designated for use. No new skid trail construction will occur on 65% + slopes. In other areas timber located on isolated steep slopes will be winched up to skid trails located on more moderate ground. Tractor long-lining timber off small isolated steep slopes minimizes soil disturbance on steep slopes and does not require new road construction. Traditional cable yarding was considered as an alternative to using portions of the existing skid trail system but it was not determined to be the most beneficial based on the following reasons:

- 1) A minimal amount of steep ground suitable for cable yarding in the proposed harvest area.
- 2) No skid trails will be located within any WLPZ. Substantial amounts of uphill skidding will be required to avoid stream crossings and WLPZ's.

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3) No new skid trails will be built on 55%+ slopes. Substantial amounts of logging will be required to avoid new skid trail construction in these areas.

4) All skid trails proposed for use in these steep areas have been reviewed by the RPF and are flagged with "skid trail" ribbon.

Additional information concerning Title 14 CCR 914.2(f) :

The primary skidding pattern to be utilized in this timber harvest has been flagged by the RPF and is as shown on the THP Map. The skidding pattern was laid out to use existing skid trails to the maximum extent possible while avoiding watercourse crossings located on steep slopes. All temporary skid crossings are located on gentle ground and can be easily re-channeled at the completion of operations. The proposed timber harvest is consistent with the new requirements of Title 14 CCR 914.2(f)(2) in that all skid trails to be used where slopes average over 50% have been flagged on the ground and mapped by the RPF.

Additional information concerning Item 21d :

CCR 914.2(f)(1)(iii) specifies that "Heavy equipment is prohibited ... where slopes over 50% lead without flattening to sufficiently dissipate water flow and trap sediment before it reaches a watercourse or lake." CCR 914.2(f)(3) provides for exceptions to be proposed to this standard where it is environmentally beneficial to do so or other feasible alternatives are not available.

An exception to Title 14 CCR 914.2(f)(1)(iii) is proposed. The existing truck road at THP Map points "A" and "C" is located where the ground below the road drops away to a watercourse at a slope in excess of 50%. A substantial buffer is maintained between the watercourse and the logging road. Significant environmental damage is not likely to occur based on the minimal occurrence of this condition and the substantial buffer to be maintained. Other potentially feasible routes all included more WLPZ activity and or new road construction on steep slopes. I have been over this area repeatedly and I believe the proposed route is the best haul route because use of existing road is maximized and the road is in generally good condition. Use of the proposed haul route is justified because it is an integral part of the least damaging feasible harvest system for timber resources located in this area and because the proposed activity can be conducted without significant risk to environmental resources as described above.

Addition information concerning existing roads and new road construction:

The proposed road construction has been designed to provide access for the harvesting of timber while at the same time optimizing the road design considerations listed below:

- 1) Use existing road systems as much as possible.
- 2) Minimize total road mileage.
- 3) Design roads to fit the natural topography and minimize disturbance to natural features.
- 4) Minimize construction on steep slopes near watercourses.
- 5) Minimize road construction in unstable areas.
- 6) Eliminate in stream and extensive WLPZ road situations which were scheduled for use to access the proposed harvest area under THP 1-91-444 MEN.

The existing roads which are proposed for continued use are in generally very good condition. Only limited water breaks or other provisions are currently in place to drain the surface of the existing roads. The road system can be characterized as being a mid-slope to ridge top road and is not located within WLPZ's except where the road crosses class II watercourses. New road segments connect portions of old ranch roads together to provide long term access to this area which is not dependent on extensive WLPZ transportation facilities.

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Addition information concerning item 24c and 21a

As discussed above, steep terrain, slide areas, drainage patterns and the location of existing road systems are all factors which interact with each other and ultimately lead to the selection of the proposed road as being the least damaging feasible alternative. The existing road system which is proposed for use is generally in good condition and is located near the top of the ridge and away from major watercourses. New road as proposed will eliminate extensive WLPZ road situations which were scheduled for use to access the proposed harvest area under THP 1-91-444 MEN.

The head scarp of a slide is located below the road at THP Map point "S1". This slide appears to be dormant. The proposed road construction should not affect this unstable area as long as road drainage is not concentrated onto this area. When this area is winterized the road surface will be drained away from the slide area.

The new road passes just below the top of a ridge at THP Map point "S2". The road is to be located on a large bench which is top of a large landslide block. The road can be built through this area with only minimal disturbance as a result of the level ground. Minimal vegetation is present in this area. Downslope portions of this slide area are heavily vegetated and the slide mass appears to be dormant of stable.

Additional information concerning Items 24d :

Road construction and reconstruction is proposed at a gradient in excess of 15% for distances over 200 feet at THP Map points D, E, F, G, H. Many alternative road locations were considered during the evaluation and design of this road system. Steep terrain, slide areas, the location of existing road systems and a goal of minimizing reconstruction of roads in WLPZ's are all factors which interact with each other and ultimately lead to the selection of the proposed road as being the least damaging feasible alternative. The LTO should consider identifying these steep grade areas with signs to make motorists aware of the steep road grade.

Additional information concerning Item 27f: Situation #1*Standard Rule*

CCR 916.3(c) specifies that "The timber operator shall not construct or reconstruct roads, construct or use tractor roads or landings in Class I, II, III or IV watercourses, in the WLPZ, marshes, wet meadows, and other wet areas except at prepared crossings and other locations when explained and justified in the THP by the RPF and approved by the Director."

Description of the Proposed Practice

Reconstruction of an existing logging road is proposed which will cross a Class II WLPZ. Due to the shape of the terrain in this area the road will not cross the WLPZ at a right angle. This road will be in the WLPZ for approximately 200 feet. The road is in good condition. A 36" diameter permanent CMP will be installed at this location to convey flow across the road prism.

How the proposed practice differs from the standard practice

The proposed practice would allow for the continued use of this road which crosses through a class II WLPZ. The standard rule would prohibit the reconstruction and use of this road segment due to the WLPZ.

The specific locations where the proposed rule will apply

The proposed WLPZ logging road is located at THP map point C2.

Explanation and justification of proposed practices

This route will provide access for harvesting in an area which is currently not accessible. The proposed route utilizes the best watercourse crossing locations based on field review. Constructing road outside the WLPZ is not possible since to get to the other side of the watercourse we must cross through the zone. I have been over this area repeatedly and I believe the flagged route is the best route because soil disturbance is minimized and

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the best watercourse crossing locations are utilized. Use of the flagged haul route is justified because it is an integral part of the least damaging feasible harvest system for timber resources located in this area and because the proposed activity can be conducted without significant risk to environmental resources. Within the WLPZ, the haul route will be seeded and mulched at the completion of operations as specified in item 18 of this THP.

Additional information concerning Item 27f: Situation #2

Standard Rule

CCR 916.3(c) specifies that "The timber operator shall not construct or reconstruct roads, construct or use tractor roads or landings in Class I, II, III or IV watercourses, in the WLPZ, marshes, wet meadows, and other wet areas except at prepared crossings and other locations when explained and justified in the THP by the RPF and approved by the Director."

Description of the Proposed Practice

Reconstruction of an existing logging road is proposed which will cross a Class II WLPZ. Due to the shape of the terrain in this area the road will not cross the WLPZ at a right angle. This road will be in the WLPZ for approximately 200 feet. The road is in good condition. A 36" diameter permanent CMP will be installed at this location to convey flow across the road prism.

How the proposed practice differs from the standard practice

The proposed practice would allow for the continued use of this road which crosses through a class II WLPZ. The standard rule would prohibit the reconstruction and use of this road segment due to the WLPZ.

The specific locations where the proposed rule will apply

The proposed WLPZ logging road is located at THP map point C3.

Explanation and justification of proposed practices

This route will provide access for harvesting in an area which is currently not accessible. The proposed route utilizes the best watercourse crossing locations based on field review. Constructing road outside the WLPZ is not possible since to get to the other side of the watercourse we must cross through the zone. I have been over this area repeatedly and I believe the flagged route is the best route because soil disturbance is minimized and the best watercourse crossing locations are utilized. Use of the flagged haul route is justified because it is an integral part of the least damaging feasible harvest system for timber resources located in this area and because the proposed activity can be conducted without significant risk to environmental resources. Within the WLPZ, the haul route will be seeded and mulched at the completion of operations as specified in item 18 of this THP.

Additional information concerning Item 27f: Situation #3

Standard Rule

CCR 916.3(c) specifies that "The timber operator shall not construct or reconstruct roads, construct or use tractor roads or landings in Class I, II, III or IV watercourses, in the WLPZ, marshes, wet meadows, and other wet areas except at prepared crossings and other locations when explained and justified in the THP by the RPF and approved by the Director."

Description of the Proposed Practice

A truck road has been proposed which will cross a Class II WLPZ. Due to the shape of the terrain in this area the road will not cross the WLPZ at a right angle. This road will be in the WLPZ for approximately 200 feet. A temporary watercourse crossing is proposed at this location.

How the proposed practice differs from the standard practice

The proposed practice would allow for the proposed road to cross through a class II WLPZ. The standard rule would prohibit the use of this road segment due to the WLPZ.

The specific locations where the proposed rule will apply

The proposed WLPZ logging road is located at THP map point T1.

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Explanation and justification of proposed practices

This route will provide access for harvesting in an area which is currently not accessible. An alternative route which includes "in stream" road and large amounts of WLPZ activity was the primary alternative. The proposed route was developed to minimize WLPZ activity. The proposed route utilizes the best watercourse crossing locations based on field review. Constructing road completely outside the WLPZ is not possible since to get to the other side of the watercourse we must cross through the zone. I have been over this area repeatedly and I believe the flagged route is the best route because soil disturbance is minimized and the best watercourse crossing locations are utilized. Use of the flagged haul route is justified because it is an integral part of the least damaging feasible harvest system for timber resources located in this area and because the proposed activity can be conducted without significant risk to environmental resources. Within the WLPZ, the haul route will be seeded and mulched at the completion of operations as specified in item 18 of this THP.

Additional information concerning Item 27f: Situation #4*Standard Rule*

CCR 916.3(c) specifies that "The timber operator shall not construct or reconstruct roads, construct or use tractor roads or landings in Class I, II, III or IV watercourses, in the WLPZ, marshes, wet meadows, and other wet areas except at prepared crossings and other locations when explained and justified in the THP by the RPF and approved by the Director."

Description of the Proposed Practice

Reconstruction of an existing logging road is proposed which will cross a Class II WLPZ. Due to the shape of the terrain in this area the road will not cross the WLPZ at a right angle. This road will be in the WLPZ for approximately 200 feet. The road is in good condition on both sides of the crossing except as described below. A temporary crossing is proposed at this location. Currently the watercourse is diverted down the logging road for a distance of 100 feet +/- . Where the diverted flow leaves the road system a large gully has formed and eroded into the road surface. The road will be re-established past this area by cutting into the bank. No fill will be placed beyond the existing road prism and sidecast will be minimized below the road. The existing fill which has no drainage structure will be removed at the completion of operations in order to correct the drainage at this location.

How the proposed practice differs from the standard practice

The proposed practice would allow for the continued use of this road which crosses through a class II WLPZ. The standard rule would prohibit the reconstruction and use of this road segment due to the WLPZ.

The specific locations where the proposed rule will apply

The proposed WLPZ logging road is located at THP map point "A".

Explanation and justification of proposed practices

This route will provide access for harvesting in an area which is currently not accessible. Reconstruction at this location will allow for the correction of an existing watercourse diversion which will provide a sediment savings. The proposed route utilizes the best watercourse crossing locations based on field review. Constructing road outside the WLPZ is not possible since to get to the other side of the watercourse we must cross through the zone. I have been over this area repeatedly and I believe the flagged route is the best route because soil disturbance is minimized and the best watercourse crossing locations are utilized. Use of the flagged haul route is justified because it is an integral part of the least damaging feasible harvest system for timber resources located in this area and because the proposed activity can be conducted without significant risk to environmental resources. Within the WLPZ, the haul route will be seeded and mulched at the completion of operations as specified in item 18 of this THP.

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Additional Information Concerning THP Item 32.

The WHR "Wildlife Habitat Relationship System" indicates the possible presence of the following species which are listed as threatened or endangered :

a) Northern Spotted Owl (*Strix occidentalis caurina*)

Please see Appendix A for additional information concerning the Northern Spotted Owl

b) Bald Eagle (*Haliaeetus leucocephalus*) is federally listed as an "endangered species". The Mendocino coast is listed as a winter range for the Bald Eagle in the WHR system. It states that for feeding, this species requires large bodies of water or free flowing rivers where fish are abundant and hunting perches are available. This habitat type is present in the plan area. Bald Eagles have been seen occasionally in the Anderson valley during the winter months. The Galbreath Ranch maintains a wide diversity of habitat types and the proposed harvest will not diminish the overall suitability of this area for Bald Eagles when consideration is given at the landscape level.

c) Peregrine Falcon (*Falco peregrinus*) is federally listed as an "endangered species". All of Mendocino County is listed as both summer and winter range for this species. Protective cliffs or ledges and water are usually the necessary elements for breeding and cover. This habitat type is not present in the vicinity of the plan area.

d) Marbled Murrelet (*Brachyramphus marmoratus*) is a listed species. No dense stands of large old growth timber are associated with the plan area.

A California Department of Fish and Game Memorandum dated 4/9/90 and titled "*Lists of and reference to State and Federal Rare, Threatened and/or Endangered Animals and Plants in Sonoma and or Mendocino Counties*" was also used to determine the possible presence of threatened or endangered species within the plan area. Appendix "B" of that memorandum lists threatened or endangered plant species which could be found in Mendocino County. Required habitat descriptions found in this paper are generally absent in the plan area. During the course of the preparation of this THP an informal wildlife survey was conducted by the RPF. No species listed as rare, threatened and/or endangered by the State or Federal governments were observed in the plan area. A qualified DFG biologist has reviewed our plan and determined that the proposed harvest is consistent with regulations concerning the protection of the northern spotted owl. Please see additional confidential addendum concerning the Northern spotted owl.

SECTION FOUR TIMBER HARVESTING PLAN
 STATE OF CALIFORNIA
 BOARD OF FORESTRY
 CUMULATIVE IMPACTS ASSESSMENTS

(1) Do the assessment area(s) of resources that may be affected by the proposed project contain any past, present, or reasonably foreseeable probable, future projects?

Yes X No

If the answer is yes, identify the project(s) and affected resource subject(s).
 (please see addendum)

(2) Are there any continuing, significant adverse impacts from past land use activities that may add to the impacts of the proposed project?

Yes X No

If the answer is yes, identify the activities and affected resource subject(s).

(3) Will the proposed project, as presented, in combination with past, present, and reasonably foreseeable, probable, future projects identified in items (1) and (2) above, have a reasonable potential to cause or add to significant cumulative impacts in any of the following resource subjects?

	<u>Yes after</u> <u>mitigation (a)</u>	<u>No after</u> <u>mitigation (b)</u>	<u>No reasonably</u> <u>potential</u> <u>significant</u> <u>effects (c)</u>
1. Watershed	<u> </u>	<u>X</u>	<u> </u>
2. Soil Productivity	<u> </u>	<u>X</u>	<u> </u>
3. Biological	<u> </u>	<u>X</u>	<u> </u>
4. Recreational	<u> </u>	<u> </u>	<u>X</u>
5. Visual	<u> </u>	<u> </u>	<u>X</u>
6. Traffic	<u> </u>	<u> </u>	<u>X</u>
7. Other	<u> </u>	<u> </u>	<u> </u>

a) Yes, means that potential significant adverse impacts are left after application of the forest practice rules and mitigation or alternatives proposed by the plan submitter.

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- b) **No after mitigation means that any potential for the proposed timber operation to cause significant adverse impacts has been substantially reduced or avoided by mitigation measures or alternatives proposed in the THP and application of the forest practice rules.**
- c) **No reasonably potential significant effects means that operations proposed under the THP do not have a reasonable potential to join with the impacts of any other project to cause cumulative impacts.**
- (4) **If column (a) is checked in (3) above describe why the expected impacts cannot be feasibly mitigated or avoided and what mitigation measures or alternatives were considered to reach these determination impacts. If column (b) is checked in (3) above describe what mitigation measures have been selected which will substantially reduce or avoid reasonably potential significant cumulative impacts except for those mitigation measures or alternatives mandated by application of the rules of the Board of Forestry.**
- (5) **Provide a brief description of the assessment area used for each resource subject.**
(please see addendum)
- (6) **List and briefly describe the individuals, organizations, and records consulted in the assessment of cumulative impacts for each resource subject. Records of the information used in the assessment shall be provided to the Director upon request.**

(please see addendum)

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I. CUMULATIVE WATERSHED EFFECTS ASSESSMENT

The following procedure may be used to assess current, overall watershed conditions and potential for future CWE problems that may result from proposed timber operations.

A. Beneficial Uses

List the onsite and downstream beneficial uses of water that you are aware of and that could be affected by project activities:

(please see addendum)

B. Watershed Assessment Area

Describe the watershed assessment area, including the reasons for selected boundaries.
(please see addendum)

C. Current Stream Channel Conditions

1. Is there one or more order 2 or larger stream that (1) flows through or adjacent to the project area, (2) will receive runoff from areas disturbed by project activities, and (3) has a contributing watershed area of more than 300 acres upstream from the point where the stream flows out of the project area?

Yes or No

If the answer to this question is "yes", continue to question 2. If the answer is "no", skip to question 3.

2. Using a copy of attached Table 1., describe the condition of the order 2 or larger stream channels, or apparently different segments of these channels, that lie within the project boundary and are downstream of the point where the contributing watershed area of the stream is less than 300 acres.

(Enter stream channel or segment identification letters or numbers at the top of the form, identify the CDF water class and the stream order number in the next row, then assign ratings of none, slight, moderate, or severe to each of the listed channel conditions. The location of identified channels and channel segments should be shown on an attached watershed map. Attach additional rating pages and explanatory notes as needed.)

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3. Are you aware of any current stream channel conditions, including those listed in previous section C.2, that occur outside of the project boundary, but within the assessment area, that are contributing to a reduction in the beneficial uses of water listed in section A?

Yes ___ or No X

If the answer to this question is "no", skip to question C.4. If the answer is "yes", briefly describe in the space below, and on attached sheets as needed, the channel conditions, their location relative to the project area, and the affected beneficial uses.

Comments: please see addendum

4. Are you aware of any current stream channel conditions, including those listed in previous section C.2, that occur outside of the assessment area and that are contributing to a reduction in the beneficial uses of water listed in section A?

Yes ___ or No X

If the answer to this question is "no", skip to Section D. If the answer is "yes", briefly describe in the space below, and on attached sheets as needed, the channel conditions, their location relative to the project area, and the affected beneficial uses.

Comments: please see addendum

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D. Past Projects

Based on your review for this assessment and knowledge of watershed conditions on and off the proposed project area; have past projects in the watersheds of channels within the assessment area resulted in any of the following impacts? (Yes or No)

- 1. Increased sediment inputs that embedded gravels, filled pools, or caused channel aggradation within some portion of the stream system? (Y) N
- 2. Increased channel downcutting or bank erosion as a result of increased flows, sediment transport, or other channel modifications? (Y) N
- 3. Increased water temperatures resulting from canopy removals along stream channels? (Y) N
- 4. Inputs of unstable organic debris to streams or lakes? (Y) N
- 5. Removal of large organic debris leading to loss of pool habitat? (Y) N
- 6. Chemical inputs to streams or lakes? Y (N)
- 7. Other (describe) Y N

Please refer to Item H: Impacts Evaluation

E. Potential On-Site Effects

Based on current conditions and your knowledge of the impacts of similar past projects, what is the potential of the proposed project, as described and mitigated, to produce the following individual effects?

(High, Moderate, or Low)

- 1. Increased stream or lake sediment from:
 - a. Channel or bank erosion. H M (L)
 - b. Streamside or inner gorge mass wasting that could directly enter a stream channel. H M (L)
 - c. Debris flows or torrents that could move directly into the stream system from sideslopes, swales, small channels, roads, landings, or skid trails. H M (L)
 - d. Debris flows or torrents caused by debris jams. H M (L)

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- e. Sideslopes mass wasting that directs surface runoff into gullies, swales, or small channels connected to the stream system. H M (L)

- f. Sheet, rill, or gully erosion that could be discharged into the stream system from roads, landings, or skid trails (include all disturbed areas from the top of the cut to the bottom of the fill. H (M) L

- g. Sheet, rill, or gully erosion from harvested or site preparation areas that could enter the stream system. H M (L)

- 2. Openings created by project activities along stream channels that could result in substantially increased stream temperature. H M (L)

- 3. Increased amounts of small organic debris in streams or lakes as a result of project activities. H M (L)

- 4. Movement of roadway chemicals, machinery fuels, pesticides, nutrients released by burning, or other chemicals into streams or lakes as a result of project activities. H M (L)

- 5. Increased peak flows as a result of vegetation removal, snow accumulation in new openings, or more efficient runoff routing created by project activities. H M (L)

- 6. Inputs of large organic debris in streams or lakes as a result of project activities. H M (L)

- 7. Extraction of large organic debris from streams or lakes as a result of project activities. H M (L)

- 8. Loss of future large organic debris as a result of streamside timber harvesting. H M (L)

- 9. Other factors (list) _____ H M L

If all of the Part E factors have been rated "low", go to Part H and check the line labeled "No (after mitigation)" or "No (no reasonably potential significant effects)" as appropriate. In this case, project impacts are non-existent or so slight that they cannot significantly contribute to downstream cumulative effects.

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F. Future Projects

Based on your review of current watershed conditions, the effects of past projects, and accounting for currently proposed mitigation measures - Are the identified future projects likely to result in (Yes or No?)

- | | |
|---|--------------------------------------|
| 1. Increased sediment inputs that will fill pools, embed stream gravels, or cause channel aggradation in some portion of the stream system? | Y <input checked="" type="radio"/> N |
| 2. Increased channel downcutting or bank erosion from increased flows, sediment transport, or other stream modifications? | Y <input checked="" type="radio"/> N |
| 3. Additional openings along stream channels that could result in unacceptable increases in water temperatures. | Y <input checked="" type="radio"/> N |
| 4. New inputs of organic debris to streams or lakes? | Y <input checked="" type="radio"/> N |
| 5. Extraction of large organic debris from streams or lakes? | Y <input checked="" type="radio"/> N |
| 6. Chemical inputs to streams or lakes? | Y <input checked="" type="radio"/> N |
| 7. Other factors (list) _____ | Y N |

G. Interactions

Considering the combined impacts of:

- Beneficial uses of water described in Part A,
- Current stream channel conditions from Part C,
- Effects of past projects listed in Part D, and
- Expected on-site effects of the proposed project from Part E;

What is the potential for developing adverse cumulative watershed effects in the assessment area, as described in Part B, as a result of:

- | | |
|--|--------------------------------------|
| 1. The proposed project combined with the ongoing effects of past projects, but without the expected impacts of future projects? | H M <input checked="" type="radio"/> |
| 2. The proposed project combined with the effects of past projects and the expected impacts of future projects listed in Part F? | H M <input checked="" type="radio"/> |

If the answer to both questions 1 and 2 is "low", go to Part H and check the line labeled "No (after mitigation)" or "No (no reasonably potential significant effects)" as appropriate.

If the answer to either or both questions 1 and 2 above is "high", go to part H and check the line labeled "Yes (after mitigation)". Otherwise (if questions 1 and 2 above are both rated as "moderate" or as "moderate" and "low"), continue with part H and follow the instructions for impacts evaluation.

H. Impacts Evaluation

Will the proposed project, as presented, in combination with the impacts of past and future projects, as identified in Parts C through F and with the interactions rated in Part G above, have a reasonable potential to cause or add to significant cumulative impacts to watershed resources.

Yes (after mitigation) _____

No (after mitigation) X _____

No (no reasonable potential significant effects) _____

If your answer to the above question is "no" and either or both of the questions in Part G are rated as medium, describe your reasons for reaching this conclusion.

This section may also be used to describe situations in which the proposed project, as described and mitigated, will result in positive effects on watershed condition and existing cumulative watershed impacts.

Use separate sheets if necessary.

_____ please see addendum _____

II CUMULATIVE SOIL PRODUCTIVITY IMPACTS ASSESSMENTS

The following procedure may be used to assess the potential for cumulative impacts on soil productivity as a result of the proposed project alone and in combination with past and future timber operations.

A. Soil Productivity Impacts Inventory

Cumulative soil productivity impacts occur when the combined impacts of a sequence of management activities produce a significant reduction in soil productivity. These impacts may occur as part of separate activities on the same project, as residual effects of past projects, and as the likely impacts of future projects.

The assessment area for cumulative soil productivity impacts is limited to the area of the proposed project.

Forest management activities are required to be conducted in a manner that assures "where feasible, the productivity of timberlands is restored, enhanced, and maintained." Therefore, productivity losses resulting from site disturbance in excess of that required by suitable silvicultural and harvesting practices, whether conducted individually or in sequence, must be considered as significant.

Impact significance must also be considered relative to the soil productivity potential of the area in question. Losses that can be considered acceptable on highly productive lands may be unacceptable, or even exceed the productivity potential, of lower site lands. For example, productivity reductions from loss of growing space associated with development of roads and skid trails necessary for timber management on high site lands may be greater than the total unit-area productivity of a poor site.

B. Soil Productivity Resources Assessment

Site factors to be assessed for cumulative soil productivity impacts include:

1. Organic matter loss.
2. Surface soil loss.
3. Soil compaction.
4. Growing space loss.

The relationship between these site factors and soil productivity is described in Section B of the Appendix to Technical Rule Addendum No. 2.

The potential impact of successive management activities must be assessed for each of these factors individually and in combination, and the overall impact should be classed as significant when:

- o The area disturbed by proposed timber operations will exceed that required by the silvicultural and harvest systems approved for use under proposed THP, including unnecessary duplication of existing skid trails, roads, landings, yarding disturbance and mechanical site preparation.
- o The amount of organic matter loss and soil displacement with use of the proposed silvicultural and harvesting systems will substantially exceed that of other, feasible systems.

- o The amount of compaction and puddling with use of the proposed silvicultural and harvesting systems will substantially exceed that of other, feasible systems, under the soil moisture conditions expected at the time of proposed operations.
- o The combined loss of soil productivity from loss of growing space, organic matter loss, soil displacement, and soil compaction from the proposed operations will substantially exceed that of other feasible combinations of silvicultural and harvesting systems.

C. Impacts evaluation

Will the proposed project, as presented, alone or in combination with the impacts of past and future projects have a reasonable potential to cause or add to significant, cumulative soil productivity impacts as a result of:

	Yes after mitigation	No after mitigation	No reasonably potential significant impacts
1. Organic matter loss	___	<u>X</u>	___
2. Surface soil loss	___	<u>X</u>	___
3. Soil compaction	___	<u>X</u>	___
4. Growing space loss	___	<u>X</u>	___
5. Any combination of items 1 through 4	___	<u>X</u>	___

III. CUMULATIVE BIOLOGICAL RESOURCE IMPACTS ASSESSMENT

The following assessment is for terrestrial biological resources. Aquatic biological resources are addressed under the "Cumulative Watershed Impacts Assessment" in Section I.

A. Biological Resource Inventory

The biological assessment area will vary with the species being evaluated and its habitat requirements. In addition, more than one species may be evaluated and the assessment area may be different for each species. To address cumulative biological impacts:

1. Identify any of the following categories of species known or suspected to occur on the assessment area(s) for the proposed timber operations:
 - o rare, threatened, or endangered.
 - o species of special concern (as defined in the Forest Practice Rules)
 - o sensitive species.

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2. Identify any other wildlife or fisheries resource concerns known or suspected to occur within the assessment area(s) of the proposed timber operations.
3. Describe the biological assessment area(s), including the reasons for boundary selection.
4. Describe the pre-project condition of the biological resources inventoried within the assessment area(s). Lastly, describe the anticipated post-project condition of these biological resources after the completion of the proposed project.

B. Habitat-Condition

Describe the pre-project condition of the following terrestrial habitat components within the project area and assessment area(s). Lastly, rate the anticipated post-project condition of these habitat components after completion of the proposed project.

<u>Habitat Components</u>	<u>Pre-Project</u>		<u>Post-Project</u>
	<u>On-Site</u>	<u>Off-Site</u>	<u>On-Site</u>
1. Presence of snags/dens/nest trees	H <input checked="" type="radio"/> M L N	H <input checked="" type="radio"/> M L N	H <input checked="" type="radio"/> M L N
2. Amount of downed large woody debris.....	H <input checked="" type="radio"/> M L N	H <input checked="" type="radio"/> M L N	H <input checked="" type="radio"/> M L N
3. Presence of multistory canopy.....	H M L <input checked="" type="radio"/> N	H M <input checked="" type="radio"/> L N	H M L <input checked="" type="radio"/> N
4. Road density.....	<input checked="" type="radio"/> H M L N	H <input checked="" type="radio"/> M L N	<input checked="" type="radio"/> H M L N
5. Presence of hardwoods	<input checked="" type="radio"/> H M L N	<input checked="" type="radio"/> H M L N	H <input checked="" type="radio"/> M L N
6. Presence of late seral forest characteristics	H M L <input checked="" type="radio"/> N	H M L <input checked="" type="radio"/> N	H M L <input checked="" type="radio"/> N
7. Continuity of late seral stage forest.....	H M L <input checked="" type="radio"/> N	H M L <input checked="" type="radio"/> N	H M L <input checked="" type="radio"/> N

C. Presence of Significant Wildlife Areas

Are any of the following significant wildlife areas located on-site of your proposed operation and off-site within the assessment area(s)?

	<u>On-Site</u>	<u>Off-Site</u>
1. Deer fawning areas.....	<input checked="" type="radio"/> Y N	<input checked="" type="radio"/> Y N
2. Deer migration corridors....	Y <input checked="" type="radio"/> N	Y <input checked="" type="radio"/> N
3. Deer winter range.....	<input checked="" type="radio"/> Y N	<input checked="" type="radio"/> Y N
4. Deer summer range.....	<input checked="" type="radio"/> Y N	<input checked="" type="radio"/> Y N
5. Wetlands.....	Y <input checked="" type="radio"/> N	Y <input checked="" type="radio"/> N
6. Riparian areas.....	<input checked="" type="radio"/> Y N	<input checked="" type="radio"/> Y N
7. Other.....	Y N	Y N

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Will your operation significantly effect the use of these areas by wildlife? Yes No

D. Other Projects

Identify and discuss the effects of the following projects within the assessment area(s) that might interact with the effects of the proposed timber operation:

1. Past and future projects in the biological assessment area(s) under the ownership or control of the timber/timberland owner that did or could cause a significant impact on biological resources.
2. Past and future projects planned or expected in the biological assessment area(s) not under the control of the timber/timberland owner that did or could cause a significant impact on biological resources.

E. Interactions

Considering the interactions between

- the biological resources of the assessment area (Parts A and C).
- current habitat condition on-site and off-site (Part B).
- the ongoing effects of past projects (Part D).
- the effects of future projects (Part D).

What is the potential for developing significant cumulative effects on the biological resources of the assessment area(s) as a result of:

1. the proposed project combined with the effects of past projects without the impacts of future projects?

H M L

2. the proposed project combined with the effects of past projects and the expected impacts of future projects listed in Part D?

H M L

If the answer to both questions 1. and 2., above, is "low" go to Part F and check the line labeled "NO".

If the answer to either or both questions 1. and 2., above, is "high" go to Part F and check the line labeled "Yes".

Otherwise, if questions 1. and 2., above, are both rated as "moderate" or as "moderate" and "low" continue with Part F and follow the instructions for impacts evaluation.

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F. Impacts Evaluation

Based on the information gathered by the RPF, the contents of the THP, the forest practice rules, information from the review of other plans, the magnitude of impacts identified in parts A through D, and the interactions rated in Part E, is the proposed project likely to produce significant adverse cumulative effects to the biological resources within the assessment area(s)?

Yes No

If the answer is "yes", consider feasible alternatives to the proposed project and/or mitigation actions to avoid, minimize, reduce, or compensate significant adverse cumulative impacts to biological resources. These mitigation actions are additional to those in the forest practice rules. If your answer is "yes" proceed to question 1. and/or 2., below. If the answer is "no" proceed to question 3., below.

Will the proposed project, as presented, in combination with the impacts of past and future projects as identified in Parts A through D, the interactions rated in Part E, and considering feasible alternatives and mitigation actions, have a reasonable potential to cause or add to significant cumulative impacts to biological resources within the assessment area(s)?

- 1. Yes (after mitigation).....
- 2. No (after mitigation).....
- 3. No (no reasonably potential significant effects).....

If you answered question 1., above, describe any alternatives to the project that were considered and explain why they were infeasible or rejected. Also include a similar discussion of mitigations accepted, rejected, and/or infeasible.

If you answered question 2, and/or 3., above, and either or both of the questions in Part E are listed as "moderate" describe your reasons for reaching the conclusion. Use separate sheets as necessary.

IV. CUMULATIVE RECREATION RESOURCES IMPACTS ASSESSMENT

A. Recreational Resources Inventory

The recreational assessment area is generally the area that includes the logging area plus 300 feet.

To assess recreational cumulative impacts: Identify the recreational activities involving significant numbers of people in and within 300 feet of logging area (examples: fishing, hunting, hiking, picnicking, camping).

Identify any recreational Special Treatment Areas described in the Board of Forestry rules on the plan area or contiguous to the area.

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If a public use of the area is identified, continue to Part B.

B. Change in Recreational Resources.

Discuss whether the timber operation will significantly alter the recreational opportunities on the logging area or within 300 feet of the logging area. (please see addendum)

C. Other Projects.

Information on other projects in the assessment area that might interact with the effects of the proposed timber operation need to be identified and discussed. Discuss the following:

1. Any past or future projects in the recreational assessment area that are under the ownership or control of the timber/timberland owner that will impact recreational opportunities used by the public identified in Part A, above.
2. Any known future projects planned or expected in the area for assessment of recreational impacts that are not under the control of the timber/timberland owner that will impact recreational opportunities used by the public identified in Part A, above.

D. Impacts Evaluation

Will the proposed project, as presented, in combination with the impacts of past and future projects, as identified in Parts A through C above, have a reasonable potential to cause or add to significant cumulative impacts to recreation resources?

Yes (after mitigation).....

No (after mitigation).....

No (no reasonable potential significant effects)..... X

V. CUMULATIVE VISUAL RESOURCE IMPACTS ASSESSMENT

A. Visual Resource Inventory

The visual assessment area is generally the logging area that is readily visible to significant numbers of people who are no further than three miles from the timber operation.

To assess visual cumulative effects:
(please see addendum for additional information)

1. Identify any Special Treatment Areas designated as such by the Board of Forestry because of their visual values on or near the plan area?
2. Determine how far the proposed timber operation is from the nearest point that significant numbers of people can view the timber operation. At distances of greater than 3 miles from viewing points activities are not easily discernible and will be less significant.

- 3. Identify the manner in which the public identified in a and b above will view the proposed timber operation (from a vehicle on a public road, from a stationary public viewing point or from a pedestrian pathway).

If the information in item a or b above identifies a significant visual resource, continue with section 2 below.

B. Change in Visual Resource.

Discuss the probability of the timber operation changing the visual setting viewed by the public as a result of vegetation removal, creation of slash and debris, or soil exposure.
(please see addendum)

C. Other Projects

Information on other projects in the assessment area that might interact with the effects of the proposed timber operation needs to be identified and discussed. Discuss the following:

- 1. Any past and future projects in the visual assessment area that are under the ownership or control of the timber/timberland owner and that could interact to cause a significant change in any identified visual resource.
- 2. Known future projects in the visual assessment area that are not under the control of the timber/timberland owner and could interact with any identified visual resources.

D. Impacts Evaluation

Will the proposed project, as presented, in combination with the impacts of past and future projects, as identified in Parts A through C above, have a reasonable potential to cause or add to significant cumulative impacts to visual resources?

Yes (after mitigation)..... _____

No (after mitigation)..... _____

No (no reasonably potential significant effects)..... X

VI. CUMULATIVE VEHICULAR TRAFFIC IMPACTS ASSESSMENT

A. Traffic Resource Inventory

The traffic assessment area involves the first roads not part of the logging area on which logging traffic must travel. To assess traffic cumulative effects:

- 1. Identify whether any publicly owned roads will be used for the transport of wood products. (If the answer to item a. indicates that public roads will not be used, then no further assessment is needed).

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- 2. Identify any public roads that have not been used recently for the transport of wood products and will be used to transport wood products from the proposed timber harvest.
- 3. Identify any public roads proposed for transport of wood products that have existing traffic or maintenance problems.

B. Activity Levels

Discuss how the logging vehicles used in the timber operation will change the amount of traffic on public roads, especially during heavy traffic conditions.

C. Other Projects

Information on other projects in the assessment area that might interact with the effects of the proposed timber operation needs to be identified and discussed. Discuss the following.

- 1. Other past or future projects on lands under the control of the timber/timberland owner that will add significantly to traffic on public roads during the period these roads are used by logging vehicles from the proposed timber operation.
- 2. Any known future projects not under the control of the timber/ timberland owner that will impact public road traffic during the period that these roads are used by logging vehicles from the proposed timber operation.

D. Impacts Evaluation

Will the proposed project, as presented, in combination with the impacts of past and future projects, as identified in Parts A through C above have a reasonable potential to cause or add to significant cumulative impacts to vehicular traffic on public roads?

Yes (after mitigation)..... _____

No (after mitigation)..... _____

NO (no reasonable potential significant effects)..... X

Alan Adderton

7/17/96

Additional Information Concerning Cumulative Effects Analysis

Cumulative Watershed Effects

A. Beneficial uses of on site and downstream water

Beneficial uses of water on site and adjacent to the plan area are aquatic habitat and watershed values. Known beneficial uses of water within the assessment area are agricultural irrigation and aquatic and salmonid fisheries habitat. The proposed plan area is located in the Rancheria Creek drainage which is the Navarro River. The Water Quality Control Plan for the North Coast Region (1) lists the following beneficial uses of water for the Navarro river: agricultural and industrial water supply, ground water recharge, navigation, recreation, cold fresh water habitat, wildlife habitat, fish migration route and "high quality aquatic habitat especially suitable for fish spawning".

B. Watershed Assessment Area

The portion of Rancheria Creek which is generally upstream from the Galbreath Ranch and as shown on the attached map was determined to be an appropriate CWE assessment area. This assessment area is approximately 15,000 acres in size. This CWE assessment area was selected based on its size, proximity to the plan area and in consideration of the dominant drainage patterns in this area.

C. 4. Current Stream Channel Conditions Outside the Assessment Area

The Navarro River is listed by EPA on the Section 303(d) list "due to excessive sediment loading from historic logging and road building". The Basin Plan (1) indicates that the Navarro River provides "high quality aquatic habitat especially suitable for fish spawning".

D. Past Projects and Land Disturbance History

Based on my review of the records kept at the CDF office in Ukiah there have been 13 THP's located at least partially within the CWE assessment area during the past 10 years. These harvest permits cover an acreage of approximately 2609 acres. These THP's specified tractor operations as the harvest method. A variety of silvicultural methods were used including shelterwood preparatory step harvesting, sanitation salvage, shelterwood removal, transition, and alternative prescription. A list of these THP's and pertinent information concerning their nature is presented below for your review. Most of the timbered portion of this CWE assessment area was harvested during the 1950's and 1960's, prior to the advent of a modern Forest Practice Act. Impacts associated with this early harvest triggered a positive response to questions concerning past

RECEIVED

THP 1-76-289 MEN
Revised 7/17/96
C. J. J. J.

JUL 18 1996

COAST AREA OFFICE
RESOURCE MANAGEMENT

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projects under item "D". The area now appears to be generally in a period of advanced recovery and because of the limited scope and nature of the proposed THP the proposed harvest is not expected to adversely affect the recovery process.

Prior Harvest History Rancheria Creek CWE Assessment Area

<u>THP #</u>	<u>Acres</u>	<u>Harvest Method</u>	<u>Silvicultural Method</u>
1-87-486M	100	tractor	sanitation salvage
1-88-201M	280	tractor	shelterwood removal
1-88-252M	220	tractor	shelterwood prep.
1-88-703M	410	tractor	shelterwood prep.
1-89-057M	552*	tractor	shelterwood removal
1-91-135M	90	tractor	transition
1-91-444M	000**	tractor	transition / shelterwood removal
1-92-223M	plan adjacent but not considered to be within assessment area		
1-93-319M	373	tractor	Alt. Prescription
1-95-082M	102	tractor	clearcut, selection, seed tree removal sanitation salvage, rehabilitation
1-95-261M	291	tractor/helicopter	seed tree seed step, selection, seed tree removal, sanitation salvage, rehabilitation
1-95-339M	109*	tractor/cable	selection, group selection
1-95-496M	082	tractor	selection, seed tree removal, rehabilitation

* acreage within assessment area
 ** no substantial operations per completion report
 Total acres with harvest permits during the previous ten years = 2609 ac.

E. Future Projects

I am not aware of any additional harvesting which is being planned within the CWE assessment area at this time. When additional harvesting is conducted in the assessment area this activity will undoubtedly be conducted according to the Forest Practice Act and therefore the probability of significant adverse impacts will be minimized.

E. On-Site Effects & H. Impacts Evaluation

Large portions of the assessment area was heavily logged during the 1950's and 1960's prior to the modern Forest Practice Act. The logging which occurred during this period was done without environmental precautions of any kind. Rancheria Creek is still recovering from this previous impact based on the wide gravel bar and aggraded nature of the stream channel in this area. The proposed project has been determined to have a low potential for producing adverse watershed effects based on my knowledge of other similar past projects which have occurred in similar environmental settings. The following factors associated with the proposed timber harvest are key considerations in my determination that the proposed timber harvest will have a low potential to cause adverse watershed effects.

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- a) Heavy equipment operation in the WLPZ is strictly limited.
- b) No harvesting is proposed adjacent to Class I watercourses.
- c) Soil disturbance on steep slopes will be minimized by using existing skid trails which have been personally reviewed and flagged by the RPF.
- d) Steep areas which are not suitable for ground based skidding equipment have been deleted from the plan area.
- e) LTO's use caution when handling fuel and other potential stream contaminants.
- f) No winter operations are proposed.

Soil Productivity Impacts

The assessment area for soil productivity impacts, is the proposed harvest area. The assessment area is as defined in the California Department of Forestry Guidelines For Assessment of Cumulative Impacts dated 8/13/91.

Broadcast burning is not proposed in this THP. Required erosion control measures and the exclusion of fire from the area will prevent significant quantities of organic material from being lost. It also appears that the assessment area has not been broadcast burned for at least 30 years. Surface soil will be protected by using standard erosion control techniques as described in the THP and FPA. Existing erosion problems will be corrected and therefore the potential for surface soil loss will be reduced. The potential for inadvertently creating new erosion problems as a result of the proposed harvest is being minimized by restricting soil disturbing activities in areas which have characteristically high sediment delivery ratios such as, steep slopes, unstable areas and WLPZ's. Productivity losses from soil compaction and growing space loss will be minimized by using existing roads and skid trails where ever possible and minimizing the overall road and skid trail density.

Terrestrial Biological Resources

The assessment area for terrestrial biological resources is as shown on the attached map. This 15,000 +/- acre area was selected because of its proximity to the plan area and it appears to be typical of the larger surrounding area in terms of vegetative type and past land disturbance history.

The CDF spotted owl data base has no Northern Spotted Owl sightings listed within a 1.5 mile radius around the plan area. For additional information concerning the spotted owl please see the spotted owl addendum. Additional information concerning wildlife can also be found in the THP addendum.

The assessment area supports substantial numbers of deer. The climate is mild and deer can be observed in this area all year. Therefore it is assumed that deer use the assessment area for fawning, summer and winter range. Riparian areas are limited to watercourses and springs.

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Heavy equipment operation is restricted in these areas and they will not be significantly affected by the proposed timber operation.

For the purpose of ranking the presence of "late seral stage forest characteristics" the standard minimum block size of 80 acres was used. 80 acre old growth forest stands with a maximum dispersal of one mile were used for the purpose of ranking "continuity of late seral stage forests". Timber stands greater than 20 acres in size, within the proposed harvest area, do not meet the definition of "Late succession forest stands" as it is defined in Title 14 CCR 895.1.

Based on my review of the records kept at the CDF office in Ukiah there have been 13 THP's located at least partially within the terrestrial biological assessment during the past 10 years. These harvest permits cover an acreage of approximately 2609 acres. These THP's specified tractor operations as the harvest method. A variety of silvicultural methods were used including shelterwood preparatory step harvesting, sanitation salvage, shelterwood removal, transition, and alternative prescription. A list of these THP's and pertinent information concerning their nature is presented below for your review. Most of the timbered portion of this terrestrial biological assessment area was harvested during the 1950's and 1960's, prior to the advent of a modern Forest Practice Act. The area now appears to be generally well vegetated and based on my observations a diverse and seemingly robust population of wildlife is present in the Rancheria Creek drainage.

Prior Harvest History Rancheria Creek Terrestrial Biological Assessment Area

THP #	Acres	Harvest Method	Silvicultural Method
1-87-486M	100	tractor	sanitation salvage
1-88-201M	280	tractor	shelterwood removal
1-88-252M	220	tractor	shelterwood prep.
1-88-703M	410	tractor	shelterwood prep.
1-89-057M	552*	tractor	shelterwood removal
1-91-135M	90	tractor	transition
1-91-444M	000**	tractor	transition / shelterwood removal
1-92-223M	plan adjacent but not considered to be within assessment area		
1-93-319M	373	tractor	Alt. Prescription
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1-95-261M	291	tractor/helicopter	seed tree seed step, selection, seed tree removal, sanitation salvage, rehabilitation
1-95-339M	109*	tractor/cable	selection, group selection
1-95-496M	082	tractor	selection, seed tree removal, rehabilitation

* acreage within assessment area
 ** no substantial operations per completion report
 Total acres with harvest permits during the previous ten years = 2609 ac.

I am not aware of any additional projects which are being planned within the terrestrial biological assessment area at this time. When additional harvesting is conducted in the assessment area this

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activity will undoubtedly be conducted according to the Forest Practice Act and therefore the probability of significant adverse impacts will be minimized.

Recreational Resources

The assessment area is the plan area and the area within three hundred feet of the plan boundary as described in Technical Rule Addendum #2. No Recreational Special Treatment Areas have been designated by the Board of Forestry in or adjacent to the plan area. Within the plan area itself there are no recreational opportunities for the public or "significant numbers of people".

Visual Resources

The plan area was determined to be an appropriate visual effects assessment area since the entire area is subject to changing visual conditions. Since the plan area is not readily visible from any vantage point used by significant numbers of people adverse visual cumulative impacts are not expected to occur.

Vehicular Impacts

The cumulative vehicular impacts assessment area is the haul route which is shown on the THP Haul Route Map and Highway 128. This route was selected as the vehicular impacts assessment area because it is the most feasible haul route from the plan area. The mapped haul route is routinely used for the transportation of forest products. Highway 128 is a high standard two lane highway which is routinely used for commercial transportation of all types. It is not likely that this short term low volume timber operation could cause or contribute to a traffic congestion problem in this rural area.

List of references consulted during this cumulative effects analysis

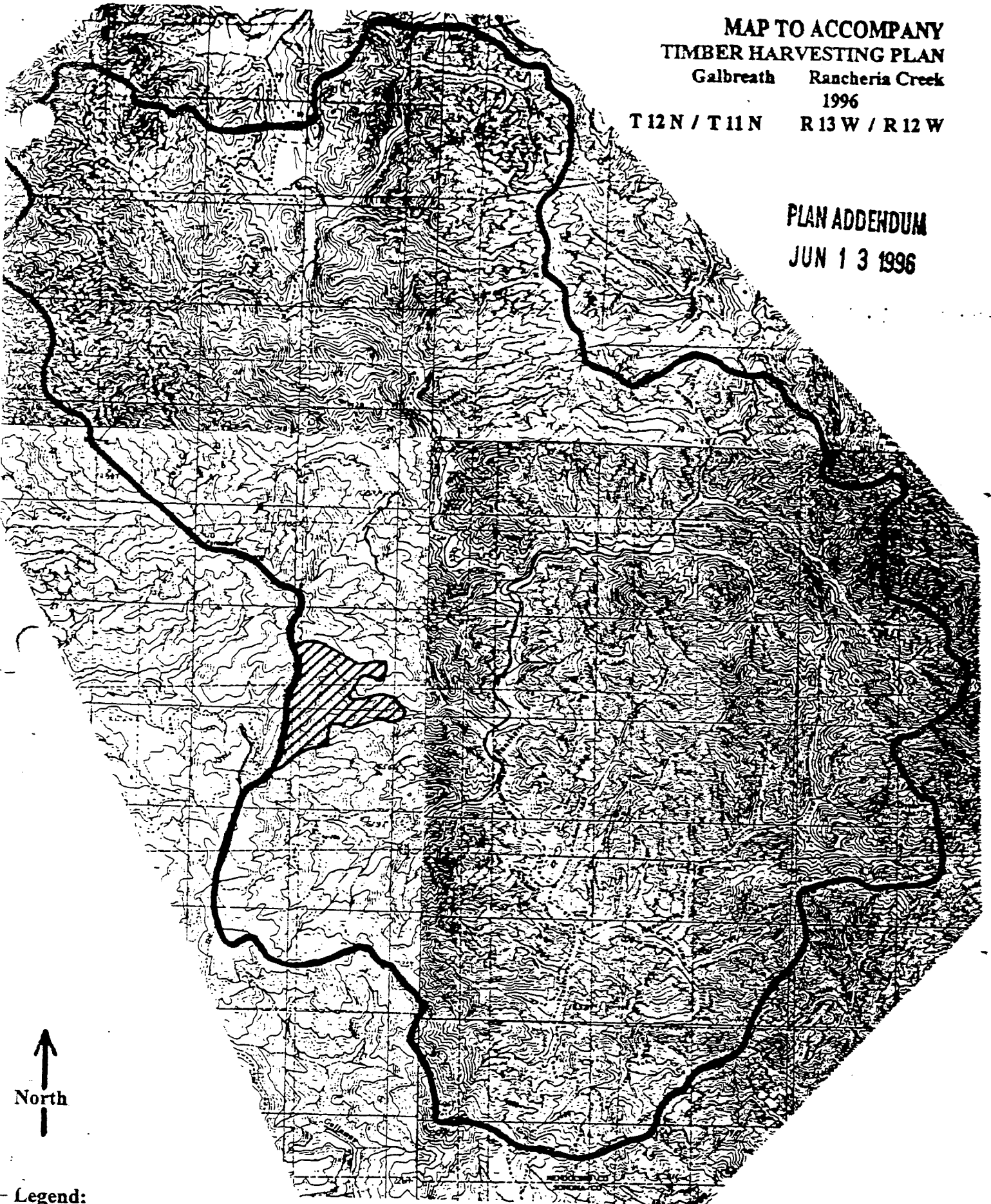
- 1) Water Quality Control Plan for the North Coast North Coast Regional Water Quality Control Board; September 21, 1989.
- 2) California Department of Forestry and Fire Protection Guidelines for Assessment of Cumulative Impacts; CDF; August 13, 1991.
- 3) Identifying Sensitive Watersheds; Frank Reichmuth; unpublished paper presented to CLFA on 9/5/91.
- 4) Mean Annual Precipitation in the California Region; U.S. Department of the Interior, Geological Survey, Water Resources Division ; 1972.
- 5) USFS, Chapter 20 - "Draft" Cumulative Off-site Watershed Effects Analysis U.S.F.S. Handbook.

- 6) Memorandum From the California Department of Fish and Game dated April 9, 1990. " Subject: Lists of and Reference to State and Federal Rare Threatened and/or Endangered Animals and Plants in Sonoma and/or Mendocino Counties".
- 7) 1988 Annual Report on the Status of California's State Listed Threatened and Endangered Plants and Animals ; published by the California Department of Fish and Game
- 8) A Guide to Wildlife Habitats of California ; published by California Department of Forestry and Fire Protection; 1988.
- 9) Northern Spotted Owl Information; Published by California Department of Forestry and Fire Protection; 8/2/90.
- 10) Methods and Materials for Locating and Studying Spotted Owls; Eric Forsman; 1983; Published by U.S. Forest Service (PNW-162)
- 11) CDF Archives for THP Records; Ukiah CDF Office.
- 12) California Department of Forestry and Fire Protection Guidelines for Assessment of Cumulative Impacts Appendix B;; CDF; 8/13/91.
- 13) Mendocino County Resource Inventory; USDA, SCS 1987 (watershed acreages)
- 14) Soil Survey Report Mendocino County Western Part; USDA Soil Conservation Service; (Preliminary) 1987.
- 15) A Guide for Management of Landslide Prone Terrain in the Pacific Northwest; British Columbia Ministry of Forests; 1994.

MAP TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Rancheria Creek
1996

T 12 N / T 11 N R 13 W / R 12 W

PLAN ADDENDUM
JUN 13 1996



Legend:

CWE and Terrestrial Biological Assessment Area

Proposed Harvest Area



Map Scale is 1" = 4000'

PLAN ADDENDUM
JUN 13 1996

TIMBER HARVEST PLAN SECTION 5

Galbreath 1996

Rancheria Creek

1996

PLAN ADDENDUM
JUN 13 1996

APPENDIX A

**ADDITIONAL INFORMATION CONCERNING THE
NORTHERN SPOTTED OWL**

Galbreath 1996

Rancheria Creek

Timber Harvest Plan

JUN 13 1996

PLAN NAME Halbreath #4 THP

NSO ASSIGN # _____ ORIG # _____
THP # _____

Date Referral Received by DFG: _____ Date RPF Notified: _____ Alternative Used: _____

Date Referral Received by CDF: _____ USGS Quad Name Shibe Mt, Big Foot mtn
17.5° 115° Yosemite Valley
(Date Referral Received by Designated Biologist: _____ (DB fill in))

CALIFORNIA DEPARTMENT OF FISH AND GAME
NORTHERN SPOTTED OWL CONSULTATION CHECKLIST

A1 Plan Submitter Halbreath
Consultation Information Submitter Arcam, Wooten
Watershed/Tributaries Rancharia Creek
Township T12N Range R13W Sections 25, 26, 35, 36 County Merced

A2 Plan Acres/Silviculture 171 - STSS-35, STRS-99, sub 37
Document Review Submitted _____ Needed _____ Explanation _____
Plan Description ✓ _____
Planimetric/Topographic Map ✓ _____
Habitat Map (acres/location) ✓ _____
Aerial Photos (if available) Sources: WAG 14-200 Series/Date: _____ #: 14-201
NSO Location Map (1.3 Miles) ✓ _____
Nests/roosts _____
Date/Results 4/12/96
Database (CDF Printout) ✓ _____
(DFG Territory #) no owls
(submit database printout with referral request and consultation checklist)
Survey Data _____ Results 6/9/96 NR 1.5
3/27/96 NR 1.5 5/11/96 NR 1.5

A3 Field Review
Review Participants Theodore Wooten & Joe Cinch
Adequate Review Route () no () ✓ yes Date 4/10/91 Explain _____
Accurate Maps () no () ✓ yes Explain _____
Accurate Habitat Mapping () no () ✓ yes Explain _____
Adequate Surveys () no () ✓ yes Explain _____

Habitat Characteristics DF, RW, TO, madrone

PLAN NAME Hallbreath #4

NSO ASSIGN # _____ ORIG # _____
THP # _____

Project Evaluation

81 NSO's detected within 1.3 miles of operations area? no () yes Date last detected _____
NSO's present now? unknown () yes: () onsite () 500' () 1000' () 0.7mi () 1.3mi
Will NSO habitat retention standards be met post-harvest? () no yes Describe post-harvest habitat characteristics to support NSO's: _____

Estimated Habitat Retention Acres (pre/post harvest):

	500'	1000'	0.7mi	1.3mi
Nest	_____	_____	_____	_____
Roost	_____	_____	_____	_____
Forage	_____	_____	_____	_____
Non-Habitat	_____	_____	_____	_____

82 Is this consultation for more than one (1) THP? no () yes

List all known NSO consultations within 1.3 mi of this survey area

Hallbreath Plan - 95-261M + 95-496M

83 Will the proposed plan significantly disrupt, impair or modify (if YES or UNK, explain in 84):

	NO	N/A	UNK	YES
a. Local Movement (onsite or within 0.5 mi of NSO)	<input checked="" type="checkbox"/>	—	—	—
b. Dispersal Opportunity (within 1 mi of NSO)	<input checked="" type="checkbox"/>	—	—	—
c. Prey Base (within 0.5 mi of NSO)	<input checked="" type="checkbox"/>	—	—	—
d. Foraging Habitat	<input checked="" type="checkbox"/>	—	—	—
e. Roosting Structure	<input checked="" type="checkbox"/>	—	—	—
f. Roosting Behavior	<input checked="" type="checkbox"/>	—	—	—
g. Nesting Structure	<input checked="" type="checkbox"/>	—	—	—
h. Nesting Behavior	<input checked="" type="checkbox"/>	—	—	—
i. Other (predation, exposure, etc.)	<input checked="" type="checkbox"/>	—	—	—

84 Comments (evaluate adequacy of information provided, compliance with accepted guidelines, and features specific to this survey area) _____

(Name of preparer for Parts A & B, if different from designated biologist: _____)

JUN 13 1996

PLAN NAME Holbreath #4 THP

NSO ASSIGN # _____ ORIG # _____
THP # _____

Consultation Determination

ENTRIES ON THIS PAGE CAN BE COMPLETED ONLY BY DESIGNATED BIOLOGIST (cross out inappropriate language and initial above each cross out):

Pursuant to the Protocol for Surveying Proposed Management Activities that may impact Northern Spotted Owls, endorsed and revised by the U.S. Fish and Wildlife Service (USFWS) on March 17, 1992, subsequent revisions to the protocol issued by the USFWS, and other scientific information available to me, I ~~have~~^{tw} verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is~~^{tw} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do not~~^{tw} conform to the Protocol issued and revised by USFWS.
- C3 The information provided to me and the field review of the plan and surrounding area lead me to conclude that:
 - C3-1. The plan area ~~is~~^{tw} suitable northern spotted owl habitat;
 - C3-2. The project area and surrounding habitat ~~has~~^{tw} not been adequately evaluated for the presence of northern spotted owls;
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is~~^{tw} not likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is~~^{tw} not likely.

A determination that the potential for unauthorized incidental take has been minimized (C3, above) remains valid until the start of the breeding season in the year 1997. For operations to be conducted after the start of the breeding season in that year, surveys must be completed during the breeding season prior to the start of operations and submitted for re-evaluation.

This consultation checklist applies to a plan or proposal that (initial applicable findings):

- C4(~~tw~~) does not need to be revised to minimize unauthorized incidental take.
- C5() — Has been revised to minimize unauthorized incidental take, as described in the attached comments.
- C6() — Requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() — For which the consultation checklist cannot be completed until additional information is submitted (Sections 919.10(C), 939.10(C)). The necessary information is described in the attached comments.

This consultation checklist ~~tw~~^{tw} does not include additional pages as indicated below:

- C8() — Comments describing necessary revisions or information, DFG 726-FORM 3A.5 (number of pages _____).
- C9() — Confidential site information, DFG 726-FORM 3B.5 (number of pages _____). (may include Spotted Owl Observation Report Form)

Form Distribution:
Original
Copies

- Designated Biologist
- RPF
- CDF (Referral Office)
- DFG (NSO Consultation Coordinator)

Signature Theodore W. Wooster
Designated Biologist
Print Name Theodore W. Wooster
Date Completed 6/13/96

JUN 13 1996

APR 09 1996

NORTHERN SPOTTED OWL DATABASE
Recorded Observation Information Request
(one plan only per each request) RESOURCE MANAGEMENT

TO: California Department of Forestry & Fire Protection
P.O. Box 670
Santa Rosa, CA 95401

Attn: Forest Practice

REQUESTER:

Name: Lee Susan
Address: 16575 Franklin Road
Fort Bragg, CA 95437

Phone: (707) 964-4566

LOCATION:

Plan Name: Galbreath #4
County (s) Mendocino

Legal Description of Plan Area

Tnshp <u>12N</u>	Rng <u>13W</u>	Sctn(s) <u>25 ; 26 ; 35 ; 36 ;</u>	_____ ; _____
Tnshp _____	Rng _____	Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____	_____ ; _____
Tnshp _____	Rng _____	Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____	_____ ; _____
Tnshp _____	Rng _____	Sctn(s) _____ ; _____ ; _____ ; _____ ; _____ ; _____	_____ ; _____

Legal Description of Sections within 1.5 miles of Plan Area

Tnshp <u>12N</u>	Rng <u>13W</u>	Sctn(s) <u>22 ; 23 ; 24 ; 25 ; 26 ; 27</u>	_____ ; _____
Tnshp <u>12N</u>	Rng <u>13W</u>	Sctn(s) <u>34 ; 35 ; 36 ;</u>	_____ ; _____
Tnshp <u>12N</u>	Rng <u>12W</u>	Sctn(s) <u>19 ; 29 ; 30 ; 31 ; 32 ;</u>	_____ ; _____
Tnshp <u>11N</u>	Rng <u>13W</u>	Sctn(s) <u>1 ; 2 ; 3 ; 11 ; 12 ;</u>	_____ ; _____
Tnshp <u>11N</u>	Rng <u>12W</u>	Sctn(s) <u>6 ;</u>	_____ ; _____

Map: Attached is a map showing the location of potential operations taken from the USGS 7.5 minute topographic quadrangles Gube Mtn., Big Foot Mtn., Ornbaua Valley, Yorkville

SIGNATURE: *Lee Susan* RPF # 2127

CDF Use Only

DATE RECEIVED:

DATE RESPONSE MAILED: APR 12 1996
REQUEST ID NUMBER: 1070

1NSORQST.4M

MAP TO ACCOMPANY
REQUEST FOR SPOTTED OWL DATA BASE CHECK

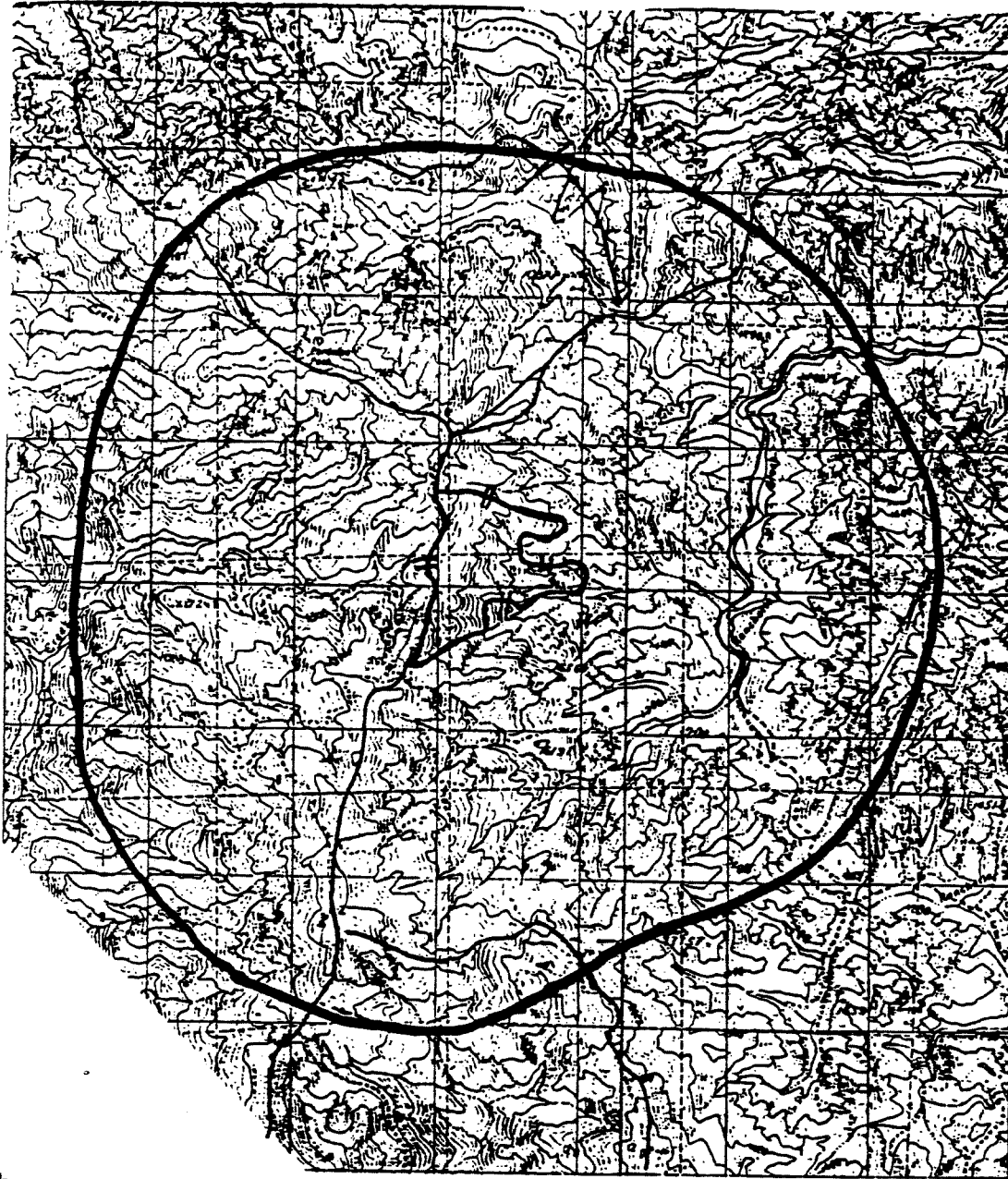
PLAN ADDENDUM

JUN 13 1996

Galbreath
Rancheria Creek

T 12N

R 13W



Legend: Approximate Plan Area *****



1.5 Mile Radius Around Plan Area *****



Map Scale is 1" = 4000'

RPF: LEE SUSAN
RQST. NO.: 1070

#: 2127

AN ADDENDUM

JUN 13 1996

04/12/96
Pg: 1

California Department of Fish and Game
California Department of Forestry and Fire Protection

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM
Version 2.0

JANUARY 1, 1996 DATA

REPORT #1

REPORT OF AREAS SEARCHED

COUNTY áááááá	TOWNSHIP áááááááá	RANGE ááááá	SECTION ááááááá	TERRITORY ááááááááá
MD	11N	12W	6	** NO OWLS KNOWN **
MD	11N	13W	1	** NO OWLS KNOWN **
MD	11N	13W	2	** NO OWLS KNOWN **
MD	11N	13W	3	** NO OWLS KNOWN **
MD	11N	13W	11	** NO OWLS KNOWN **
MD	11N	13W	12	** NO OWLS KNOWN **
MD	12N	12W	19	** NO OWLS KNOWN **
MD	12N	12W	29	** NO OWLS KNOWN **
MD	12N	12W	30	** NO OWLS KNOWN **
MD	12N	12W	31	** NO OWLS KNOWN **
MD	12N	12W	32	** NO OWLS KNOWN **
MD	12N	13W	22	** NO OWLS KNOWN **
MD	12N	13W	23	** NO OWLS KNOWN **
MD	12N	13W	24	** NO OWLS KNOWN **
MD	12N	13W	25	** NO OWLS KNOWN **
MD	12N	13W	26	** NO OWLS KNOWN **
MD	12N	13W	27	** NO OWLS KNOWN **
MD	12N	13W	34	** NO OWLS KNOWN **
MD	12N	13W	35	** NO OWLS KNOWN **
MD	12N	13W	36	** NO OWLS KNOWN **

NOTE: THREE SEPERATE REPORTS ARE GENERATED IF NORTHERN SPOTTED OWL RECORDS ARE KNOWN FROM THE REQUESTED AREA. THE SECOND AND THIRD REPORTS WILL NOT PRINT IF OBSERVATIONS RECORDS ARE NOT FOUND.

PLAN ADDENDUM
JUN 13 1996

APPENDIX B

CONFIDENTIAL
ARCHAEOLOGICAL ADDENDUM

Galbreath 1996
Rancheria Creek
Timber Harvest Plan

Not for Public Distribution As Per Title 14 CCR 929.1(a)(2)

NOTE

Information concerning archeological sites has been removed from this THP, 1-96-284 MEN in accordance with the policy of The Office of Historic Preservation as adopted by the State Historical Resources Commission under the authority of Public Resources Code 5020.4.

Copies of the information have been sent to the following locations to facilitate review of the project:

1. CDF field unit - Willits (Howard Forest)

The original copy of this material is maintained in a confidential file at CDF Region I Headquarters, 135 Ridgway Avenue, Santa Rosa, CA 95401. Contact Mark Gary, CDF Archeologist.

TIMBER HARVEST PLAN SECTION 6

Galbreath 1996

Rancheria Creek

1996

ESTIMATED SURFACE SOIL EROSION HAZARD
RM-87 (4/84)

STATE OF CALIFORNIA
BOARD OF FORESTRY

PLAN ADDENDUM
JUN 13 1986

SOIL FACTORS				FACTOR RATING BY AREA		
A. SOIL TEXTURE	Fine	Medium	Coarse	A	B	C
1. DETACHABILITY	Low	Moderate	High			
Rating	1-9	10-18	19-30	17	17	17
2. PERMEABILITY	Slow	Moderate	Rapid			
Rating	5-4	3-2	1	2	2	2

3. DEPTH TO RESTRICTIVE LAYER OR BEDROCK						
	Shallow	Moderate	Deep			
	1"-19"	20"-39"	40"-60" (+)			
Rating	15-9	8-4	3-1	4	4	4

4. PERCENT SURFACE COARSE FRAGMENTS GREATER THAN 2 MM IN SIZE INCLUDING ROCKS OR STONES							FACTOR RATING BY AREA		
	Low	Moderate	High				A	B	C
	(-) 10-39%	40-70%	71-100%						
Rating	10-6	5-3	2-1	9	7	7			
SUBTOTAL							32	30	30

I. SLOPE FACTOR									
Slope	5-15%	16-30%	31-40%	41-50%	51-70%	71-80% (+)			
Rating	1-3	4-6	7-10	11-15	16-25	26-35	8	18	20

II. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE								
	Low	Moderate	High					
	0-40%	41-80%	81-100%					
Rating	15-8%	7-4	3-1	2	2	2		

V. TWO-YEAR, ONE-HOUR RAINFALL INTENSITY (Hundredths Inch)							
	Low	Moderate	High	Extreme			
	(-) 30-39	40-59	60-69	70-80 (+)			
Rating	1-3	4-7	8-11	12-15	12	12	12
TOTAL SUM OF FACTORS					54	62	64

EROSION HAZARD RATING

<50	50-65	66-75	>75			
LOW (L)	MODERATE (M)	HIGH (H)	EXTREME (E)			
				M	M	M

FLAH ADDENDUM

JUN 13 1996

Summit Forestry

Lee Susan
16575 Franklin Road
Fort Bragg, CA 95437
(707) 964-4566

06/09/96

Received CDF
REGION 1

JUN 26 1996

Mr. Fred Galbreath
P.O. Box 188
Kentfield, CA 94904

RESOURCE MANAGEMENT

Dear Mr. Galbreath,

Pursuant to item 13a of the THP which I have prepared for your property, I am writing to explain some of the obligations a landowner incurs when they harvest timber on their property.

1) The State of California has certain minimum stocking requirements for timberland which must be maintained or re-established following harvesting. These stocking requirements are specified in Title 14 CCR 912.7 which I have enclosed for your reference. It is anticipated that statutory stocking requirements will be met without the necessity of planting in the proposed harvest area.

2) In some situations the State of California requires a RPF to mark timber which is to be cut. In your situation this requirement applies to all conifers which are to be cut.

3) The State of California requires that erosion control structures be maintained. Primarily, this would include keeping waterbars operational and keeping culverts open to the unrestricted flow of water. Current regulations require that erosion control features be maintained for up to three years after the THP has been completed.

If you have any questions concerning what is required please feel free to call me at any time.

Sincerely yours,



Lee Susan
Forester # 2127

encl.

History

1. Amendment of NOTE filed 2-21-79 as procedural and organizational; effective upon filing (Register 79, No. 9).
2. Amendment filed 7-2-79; effective thirtieth day thereafter (Register 79, No. 27).
3. Amendment filed 7-9-81; effective thirtieth day thereafter (Register 81, No. 28).
4. Amendment filed 9-9-88; operative 10-9-88 (Register 88, No. 38).
5. Change without regulatory effect (Register 89, No. 23).
6. Adoption of subsection "Marblet murrelet Habitat" filed 6-27-91 as an emergency; operative 6-27-91 (Register 91, No. 41). A Certificate of Compliance must be transmitted to OAL by 10-24-91 or emergency language will be repealed by operation of law on the following day.
7. Amendment of "Commercial species" to include Pacific Yew filed 1-21-93 as an emergency; operative 1-21-93 (Register 93, No. 4). A Certificate of Compliance must be transmitted to OAL 5-21-93 or emergency language will be repealed by operation of law on the following day.

¹ All Coastal Commission Special Treatment Areas were adopted by the Coastal Commission on July 5, 1977, and they include several specially identified areas, buffer zones adjacent to designated highways within Coastal Scenic View Corridors, and buffer zones adjacent to publicly owned preserves and recreation areas. Maps or designations of Coastal Commission Special Treatment Areas are on file in department offices in the Coast Forest District. Coastal Commission Special Treatment Areas have been designated according to the following criteria:

- A. Scenic View Corridors
- B. Sites of significant scenic value
- C. Wetlands, lagoons, streams, estuaries, and marine environments
- D. Significant animal and plant habitat areas
- E. Recreation areas

The Coastal Commission has also set forth in its designations special management objectives considered essential by the Coastal Commission for the protection of public values within the Coastal Zone.

The following is a listing of the Coastal Commission Special Treatment Areas. In parentheses following the name of each area are capital letters indicating the specific criteria as listed above. The letters referencing the criteria are listed in order of priority of the significance of the various criteria applicable to the area.

(a) Del Norte County. Elk Creek Valley (C), Sitka Spruce Grove (D,A), False Klamath Cove (B,A), Klamath River (B,A,C).

(b) Humboldt County. Freshwater Lagoon (B,C,E), Stone Lagoon (A,B,C,E), Big Lagoon (A,C,B), Big Lagoon Bog (B,C,E), Agate Beach Bluff (B,A), Matiole River (B,C). The King Range National Conservation Area forestlands that parallel the beach: All private inholdings that are within view of the beach trail that are in the recreational zoned western slopes.

(c) Mendocino County. Usal Creek (A,C), Rockport Beach (B), Hardy Creek Knoll (B), Westport (B), Ten Mile River (B,C), Noyo River (A,B,C), Caspar and Doyle Creeks (A), Big River (A,B,C,E), Albion River (A,B,C,D), Navarro River (B,C,A), Navarro to Irish Beach Terrace (A,B), Elk Creek (C,B), Gualala River (B,C).

(d) Sonoma County. Gualala River (B,C), Sea Ranch Area (A), Stewarts Point Area (A), Horseshoe Cove Area (C,B,E), Stockoff Creek and Kolmer Gulch (B,C,D), Fort Ross (A,B), Mill Gulch (A,B), Timber Gulch (A,B), Russian Gulch (A), Sawmill Gulch (A), Sheephouse Creek (A,C,D), Duncan Mills Marsh (A,C,D), South Side of the Russian River (A,B,C,D,E), Willow Creek Headwaters (C,D), Jenner Gulch (C,D), Slaughterhouse Gulch (A,D), Furlong Gulch (A,D), Sooty Creek (C,D), Rough Creek (C,D).

(e) San Mateo County. San Pedro Valley (A), South Montara Mountain (A,B), Butano Panorama (B,E), Ano Nuevo Uplands (A,B,E).

(f) Santa Cruz County. Ano Nuevo Uplands (A,B,E), Waddell Creek (A,B,C,E), Bonny Doon Botanic Area (B,D), Molino Creek (A,B).

(g) Buffer Zones within Coastal Scenic View Corridors in Del Norte, Humboldt and Mendocino Counties:

(1) Del Norte County. Highway 101 from Crescent City to Smith River town along the west side of the highway.

(2) Humboldt County.

(A) Highway 101 from the Moonstone-Westhaven Exit to Big Lagoon Bridge along both sides of the highway.

(B) Old Highway 101 from Trinidad north to Patrick's Point State Park entrance along both sides of the road.

(3) Mendocino County. Highway 1 from Ten Mile River to Sonoma County line along both sides of the highway.

(h) Buffer Zones adjacent to all publicly owned preserves and recreation areas, including national, state, regional, county, and municipal parks.

§ 912.5. Procedure for Estimating Surface Soil Erosion Hazard Rating.

A proposed plan shall show the estimated erosion hazard ratings of the plan area, by areas, down to 20 acres (8.1 ha) if such a breakdown will change the estimated erosion hazard of individual areas. The plan shall show high and extreme erosion hazard ratings, by areas, down to 10 acres (4.047 ha) if such a breakdown will change the erosion hazard of the individual areas. Specific erosion hazard areas not fitting the above minimum will be considered independently and protective measures commensurate with the problem applied. These measures are covered in Chapter 4, Subchapter 4 of the California Code of Regulations.

To estimate the erosion hazard rating of any plan or portion thereof, the forester (RPF) shall follow the procedures and requirements contained in Board Technical Rule Addendum #1, dated February 1, 1990. Appropriate weights for the factors in the Estimated Surface Soil Erosion Hazard, Form I, in the Addendum, shall be calculated and the factors shall be summed to give the rating. A copy of the calculations from Form I shall be attached to the timber harvesting plan. A copy of the Board Technical Rule Addendum #1 can be obtained from the State Board of Forestry at the Resources Building, 1416 9th Street, Room 1506-14, Sacramento, CA 95814.

NOTE: Authority cited: Sections 4551 and 4562.5, Public Resources Code. Reference: Section 4562.5, Public Resources Code.

History

1. New NOTE filed 2-21-79 as procedural and organizational; effective upon filing (Register 79, No. 9).
2. Repealer and new section filed 7-2-82; designated effective 1-1-83 (Register 82, No. 27).
3. Amendment filed 12-4-89; operative 2-1-90 (Register 89, No. 50).

§ 912.7. Resource Conservation Standards for Minimum Stocking.

The following resource conservation standards constitute minimum acceptable stocking in the Coast Forest District after timber operations have been completed.

(a) Rock outcroppings, meadows, wet areas, or other areas not normally bearing commercial species shall not be considered as requiring stocking and are exempt from such provisions.

(b) An area on which timber operations have taken place shall be classified as acceptably stocked if either of the standards set forth in (1) or (2) below are met within five (5) years after completion of timber operations unless otherwise specified in the rules.

(1) An area contains an average point count of 300 per acre on Site I, II and III lands or 150 on Site IV and V lands to be computed as follows:

(A) Each countable tree (Ref. CCR, Title 14, Section 895.1) which is not more than 4 inches d.b.h. counts 1 point.

(B) Each countable tree over 4 inches but less than 12 inches d.b.h. counts 3 points.

(C) Each countable tree over 12 inches d.b.h. counts as 6 points.

(D) Root crown sprouts will be counted using the average stump diameter 12 inches above average ground level of the original stump from which the sprouts originate, counting one sprout for each foot of stump diameter to a maximum of 6 per stump.

(2) The average residual basal area, measured in stems 1 inch or larger in diameter, is at least 85 square feet per acre on Site I lands, and 50 square feet per acre on lands of Site II classification or lower. Site classification shall be determined by the RPF who prepared the plan.

(c) The resource conservation standards of the rules may be met with Group A and/or B commercial species. The percentage of the stocking requirements met with Group A species shall be no less than the percentage of the stand basal area they comprised before harvesting. Exceptions to the pre-harvest basal area percentage standard may be approved by the Director if the THP provides the following information and those exceptions are agreed to by the timberland owner:

117036

Summit Forestry

Lee Susan
16575 Franklin Road
Fort Bragg, CA 95437
(707) 964-4566

07/09/96

Mr. Fred Galbreath
P.O. Box 188
Kentfield, CA 94904

Dear Mr. Galbreath,

Portions of THP 1-96-248MEN are designated as a selection harvest. Residual stocking requirements in the selection harvest area are as follows:

- a) Retain 75+ Sq. Ft./Ac. conifer basal area.
- b) Retain at least (4) 24" DBH or (8) 18"+ DBH conifers per acre.

I have marked the timber to be harvested in this area and far more timber will be retained than the minimum legal requirement specified above. This letter is being sent to you at the request of the CDF as a clarification what the legal stocking requirements are.

If you have any questions concerning what is required please feel free to call me at any time.

Sincerely yours,

Lee Susan
Forester # 2127

85.1

RECEIVED
JUL 15 1996
COAST AREA OFFICE
RESOURCE MANAGEMENT

PLAN AGGENDUM

JUN 13 1996

Summit Forestry

Lee Susan
16575 Franklin Road
Fort Bragg, CA 95437
(707) 964-4566

06/09/96

Charlie Hiatt
P.O. Box 595
Boonville, CA 95415

Dear Charlie,

Pursuant to item 13a of the THP which I have prepared for you on the Galbreath ranch, I am writing to explain some of the obligations a plan submitter incurs when they harvest timber on their property. Title 14 CCR 1035 is the section of the Forest Practice Act which specifies what a THP plan submitters responsibilities are. A copy of this code section is enclosed for your review and reference.

If you have any questions concerning what is required please feel free to call me at any time.

Sincerely yours,

Lee Susan
Forester #2127

(3) boundaries of yarding (logging) systems, if more than one system is to be used.

(4) location of public roads within the plan area, and private roads appurtenant to the timber operations where such roads are under the ownership or control of the timber owner or submitter of the plan, and are continuous with the plan area, and classification of all proposed and existing logging roads as permanent, seasonal, or temporary roads.

(5) probable location of proposed and existing landings in the watercourse and lake protection zone, and landings outside the zone that are greater than 1/4 acre in size or whose construction involves substantial excavation.

(6) road failures on existing roads to be reconstructed.

(7) location of all new permanent watercourse crossing drainage structures and temporary crossings on Class I or II watercourses on logging roads; if permanent culvert is involved, its minimum diameter shall be provided.

(8) location of areas of high or extreme erosion hazard rating, if more than one.

(9) location of all watercourses with Class I, II, III, or IV waters.

(10) location of known unstable areas or slides.

(11) location of understocked areas prior to timber operations, and other areas not normally bearing timber to at least a 20-acre minimum, or as specified in the district rules.

(12) location of boundaries of timber-site classes needed for determination of stocking standards to be applied, down to at least a 20-acre minimum or as specified in the district rules.

(13) location of main ridge tops on the logging area suitable for fire suppression efforts that will require the felling of snags.

(14) location of Coastal Commission Special Treatment Areas or any special treatment area.

(y) Any additional information that is submitted on separate pages shall be clearly marked "plan addendum" and shall bear the date on which it was prepared.

(z) Explanation and justification for, and specific measures to be used for, tractor operations on unstable areas, on slopes over 65%, and on areas where slopes average over 50% and the EHR is high or extreme.

(aa) Explanation and justification for tractor operations in areas designated for cable yarding.

(bb) Winter period operating plan where appropriate.

(cc) Explanation and justification for use of watercourse, marshes, wet meadows, and other wet areas as landings, roads, or skid trails.

(dd) Explanation and justification of any in-lieu practices for watercourse and lake protection.

(ee) Explanation of alternatives to standard rules for harvesting and erosion control.

(ff) Explanation and justification for landings that exceed the maximum size specified in the rules.

(gg) Any other information required by the rules or the Act to be included in the plan. The district rules provide for exceptions and alternatives to standard requirements that require inclusion of information in the THP.

(hh) Where roads, watercourse crossings, and associated landings in the logging area will be abandoned, the methods for abandonment shall be described.

(ii) On a map complying with subsection 1034(x), the locations and classifications of roads, watercourse crossings, and landings to be abandoned shall be shown.

(jj) A general description of physical conditions at the plan site, including general soils and topography information, vegetation and stand conditions, and watershed and stream conditions.

(kk) On a separate map indicate the known locations of any stands of *Taxus brevifolia* (Pacific Yew) that are planned to be harvested or burned during timber operations.

(ll) Unless the bark or other materials used to product taxol will be or have been previously collected and removed pursuant to sections 912.10,

932.10 and 952.10, provide a statement on the planned disposition or use of any stand(s) of Pacific Yew.

NOTE: Authority cited: Sections 4551 and 4552, Public Resources Code. Reference: Sections 4527, 4582 and 4583, Public Resources Code.

HISTORY

1. Amendment filed 8-9-83; designated effective 10-1-83 (Register 83, No. 37).
2. New subsections (hh) and (ii) filed 12-20-89; operative 2-1-90 (Register 90, No. 3).
3. Amendment of subsection (w) filed 8-12-91; operative 9-11-91 (Register 92, No. 13).
4. New subsection (jj) filed 8-26-91; operative 8-26-91 pursuant to Government Code section 11346.2(d) (Register 92, No. 20).
5. New subsections (kk) and (ll) filed 1-21-93 as an emergency; operative 1-21-93 (Register 93, No. 4). A Certificate of Compliance must be transmitted to OAL 5-21-93 or emergency language will be repealed by operation of law on the following day.

§ 1034.1. Plan Submittal.

NOTE: Authority cited: Sections 4551, 4551.5, 21080 and 21092, Public Resources Code; *NRDC v. Arcata National Corp.* (1976), 59 Cal. App. 3d 959; *Horn v. Ventura County* (1979), 24 Cal. 3d 605. Reference: Sections 4551, 4581, 4582, 4582.5, 4592, 21080 and 21092, Public Resources Code.

HISTORY

1. Renumbering and amendment of Section 1034.1 to Section 1032.7 filed 2-2-82; effective thirtieth day thereafter (Register 82, No. 6).

§ 1034.2. Professional Judgment.

Where the rules or these regulations provide for the exercise of professional judgment by the forester (RPF) or the Director, the parties, at the request of either party shall confer on the plan area during the initial pre-harvest inspection provided for by law to reach agreement if possible on the conditions and standards to be included in the plan.

NOTE: Authority cited: Sections 4551 and 4552, Public Resources Code. Reference: Sections 4582.7 and 4582.75, Public Resources Code.

§ 1035. Plan Submitter Responsibility.

The plan submitter, or successor in interest, shall:

- (a) Ensure that an RPF conducts any activities which require an RPF.
- (b) Provide the RPF preparing the plan or amendments with complete and correct information regarding pertinent legal rights to, interests in, and responsibilities for land, timber, and access as these affect the planning and conduct of timber operations.
- (c) Sign the THP certifying knowledge of the plan contents and the requirements of this section.
- (d) Within five (5) working days of change in RPF responsibilities for THP implementation or substitution of another RPF, file with the Director a notice which states the RPF's name and registration number, address, and subsequent responsibilities for any RPF required field work, amendment preparation, or operation supervision. Corporations need not file notification because the RPF of record on each document is the responsible person.
- (e) Provide a copy of the approved THP and any approved operational amendments to the LTO.
- (f) The plan submitter shall notify the Director prior to commencement of site preparation operations. Receipt of a burning permit is sufficient notice.

NOTE: Authority cited: Sections 4551 and 4552, Public Resources Code. Reference: Sections 4582 and 4582.5, Public Resources Code.

HISTORY

1. Repealer and new section filed 9-26-89; operative 10-26-89 (Register 89, No. 40). For prior history, see Register 88, No. 32.
2. New subsection (f) filed 12-4-89; operative 2-1-90 (Register 89, No. 50).

§ 1035.1. Registered Professional Forester Responsibility.

Upon submission of a THP, the Registered Professional Forester (RPF) who prepares and signs a plan is responsible for the accuracy and completeness of its contents. The RPF preparing the plan shall:

- (a) State in the THP the work which will be performed by the RPF plan preparer (beyond preparation of the THP and attending the pre-harvest inspection if requested by the Director), and any additional work requiring an RPF which the plan preparer does not intend to perform. This may

NOTICE OF INTENT TO HARVEST TIMBER

PLAN ADDENDUM

JUN 13 1996

A Timber Harvesting Plan or an amendment to an existing plan that may be of interest to you has been submitted to the California Department of Forestry & Fire Protection. The Department will be reviewing the proposed timber operation for compliance with various laws and rules. This review requires the addressing of any concerns you may have with what is being proposed. The following briefly describes the proposed timber operation and where and how to get more information.

The review times given to the Department to review the proposed timber operation are variable in length, but limited. To ensure the Department receives your comments please read the following:

The earliest possible date the Department may approve the plan or amendment is: 7/9/96

NOTE: THIS DATE IS PROBABLY NOT THE ACTUAL APPROVAL DATE AND CLOSE OF PUBLIC COMMENT. Normally, a much longer period of time is available for preparation of comments. Please check with the Department, prior to the above listed date, to determine the actual date that the public comment period closes.

The plan or amendment was submitted to the Department on: 6/24/96

Questions about the proposed timber operation or laws and rules governing timber operations should be directed to:

California Department of Forestry & Fire Protection
Forest Practice Program
135 Ridgway Avenue (P.O. Box 670)
Santa Rosa, CA 95402
(707) 576-2275

The public may review the plan or amendment at the above Department office or purchase a copy of the plan or amendment. The cost to obtain a copy is 12.5 cents for each page, \$2.50 minimum per request. (To be completed by the Department upon receipt. The cost to obtain a copy of the plan or amendment is: _____.)

Information about the plan or amendment follows:

1. Timberland Owner where the timber operation is to occur: Fred Galbreath

2. Registered Professional Forester who prepared the plan or amendment: Lee Susan RPF #2127

3. Name of individual who submitted the plan or amendment: Charlie Hiatt

4. Location of the proposed timber operation (county, legal description, approximate direction & approximate distance of the timber operation from the nearest community or well-known landmark):

Portion Sections 25, 26, 35, 36, T12N, R13W, MDB&M, Mendocino County

The plan area is approximately 4000 feet southeast of Pardaloe Peak

5. The name of and distance from the nearest perennial stream and major watercourse flowing through or downstream from the timber operation:

Rancheria Creek is approximately 2800 feet downslope from the plan area.

6. Acres proposed to be harvested: 171 acres

7. The regeneration methods and/or intermediate treatments to be used:

Selection, Seed tree seed step, seed tree removal

8. Is there a known overhead power line, except lines from transformers to service panels, within the plan area? Yes ___ No XXX

A map is attached to help in locating where the proposed timber operation is to occur.

FOR DEPARTMENT USE ONLY

TIMBER HARVESTING PLAN NO. _____ DATE OF RECEIPT _____

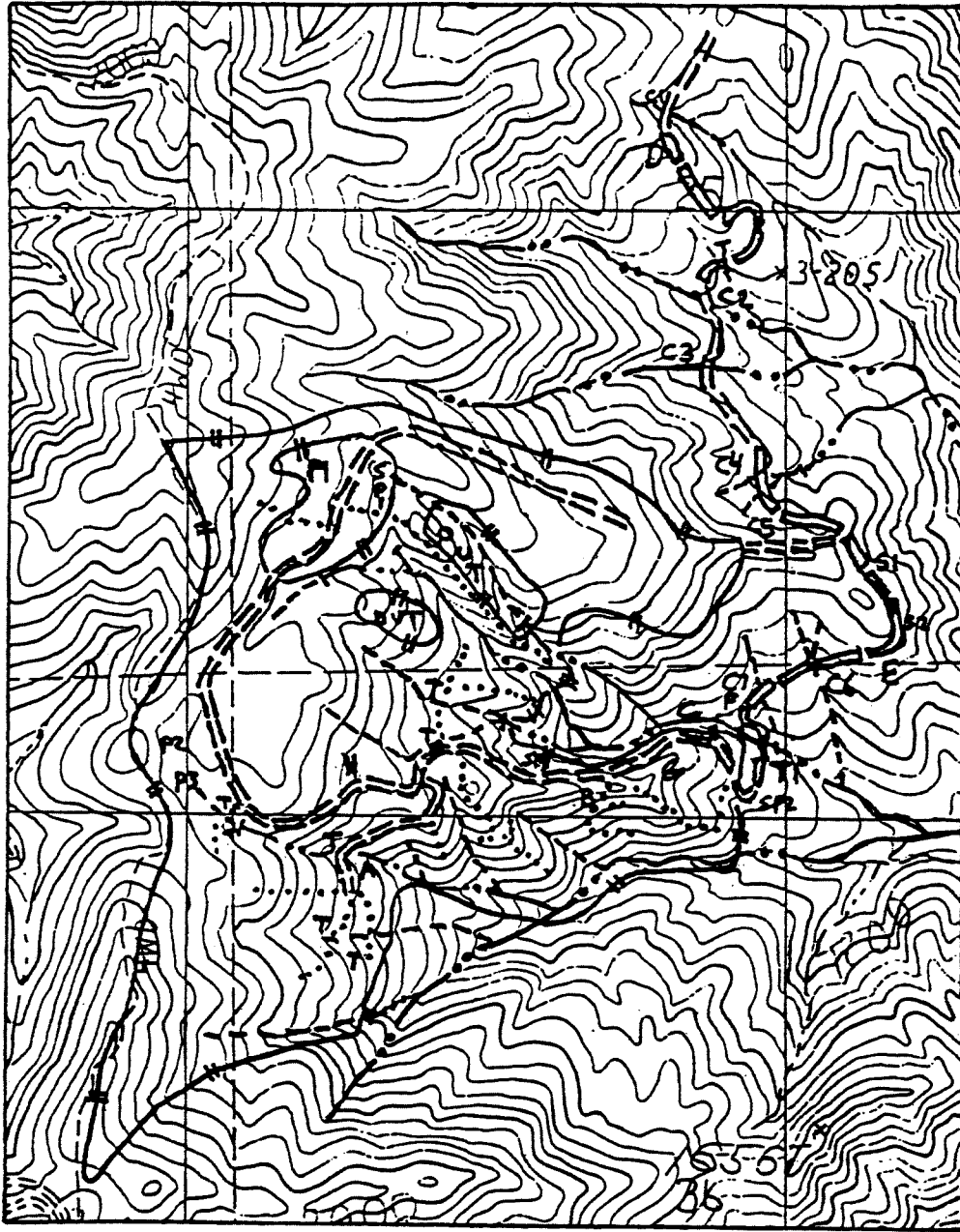
January 1, 1996 (Coast)

MAP TO ACCOMPANY
 TIMBER HARVESTING PLAN
 Galbreath Rancheria Creek
 1995

PLAN ADDENDUM
 JUN 13 1996

2N

R 13 W



LEGEND:

- Plan Area Boundary
- Reconstruction Seasonal Truck Roads =====
- Seasonal Road New Construction =====
- Watercourses:
- Class 2
- Class 3 - - - - -
- Defined Skidding Pattern oooooo
- Temporary Watercourse Crossing T, TI
- Points Referred to in THP text A, B, etc.
- Map Scale is 1" = 1000'

- Permanent Culvert Installations:
- C1 = 18", C2 = 36", C3 = 36"
- C4 = 18", C5 = 18", C6 = 18"
- C7 = 18"
- Spring SP1, SP2
- Class 2 Pond P1, P2, P3
- Slide Area S1, S2

PLAN ADDENDUM

JUN 13 1996

ADJACENT OWNER INFORMATION IN MAILING LABEL FORMAT

Louis and Della Foppiano
P.O. Box 606
Healdsburg, CA 95488

(2015.5 C.C.,)

STATE OF CALIFORNIA
COUNTY OF MENDOCINO

I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of the Ukiah Daily Journal, a newspaper of general circulation, printed and published daily except Saturday in the City of Ukiah, County of Mendocino and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Mendocino, State of California, under the date of September 22, 1952, Case Number 9267; that the notice, of which the annexed is a printed copy (set in type not smaller than non-pars:il), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

April 11

all in the year 1996

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Dated at Ukiah, California, this 15th day of

April, 1996

Colleen Kett
Signature

... is for the County Clerk's Filing Stamp

PLAN ADDENDUM
JUN 13 1996

Proof of Publication of

Timber Harvest Plan

PUBLIC NOTICE

TIMBER HARVEST

... within 10 days from the ...
 ... Harvest Plan ...
 ... Summit Forestry ...
 ... Creek ...
 ... Franklin ...
 ... The legal ...
 ... description for this area ...
 ... where timber harvesting ...
 ... is to occur is as follows:
 ... Section 25, 26,
 ... 35, ...
 ... R13W MD.B.M. ...
 ... information is being requested
 ... concerning the presence
 ... of domestic water sup-
 ... plies which use this
 ... watercourse as their
 ... source. Please provide

Summit Forestry

Lee Susan
16575 Franklin Road
Fort Bragg, CA 95437
(707) 964-4566

PLAN ADDENDUM
JUN 13 1996

April 7, 1996

Louis and Della Foppiano
P.O. Box 606
Healdsburg, CA 95488

Dear Neighbor,

A timber harvest plan is being prepared on private property which is located in the Rancheria Creek drainage. I am requesting information concerning domestic water supplies which use Rancheria Creek as their source. If you know of any such domestic water supplies please contact me within 10 days of the date on which this letter was postmarked. The legal description for the area where timber harvesting is to occur is as follows: portion Sections 25, 26, 35, 36, T12N, R13W, MDBM. A preliminary map of the proposed harvest area is enclosed for your reference. This notice is being sent to you because you are listed as a landowner within 1000' downstream or down slope from the proposed harvest area. Thank you for your cooperation.

Sincerely yours,

Lee Susan
Forester #2127

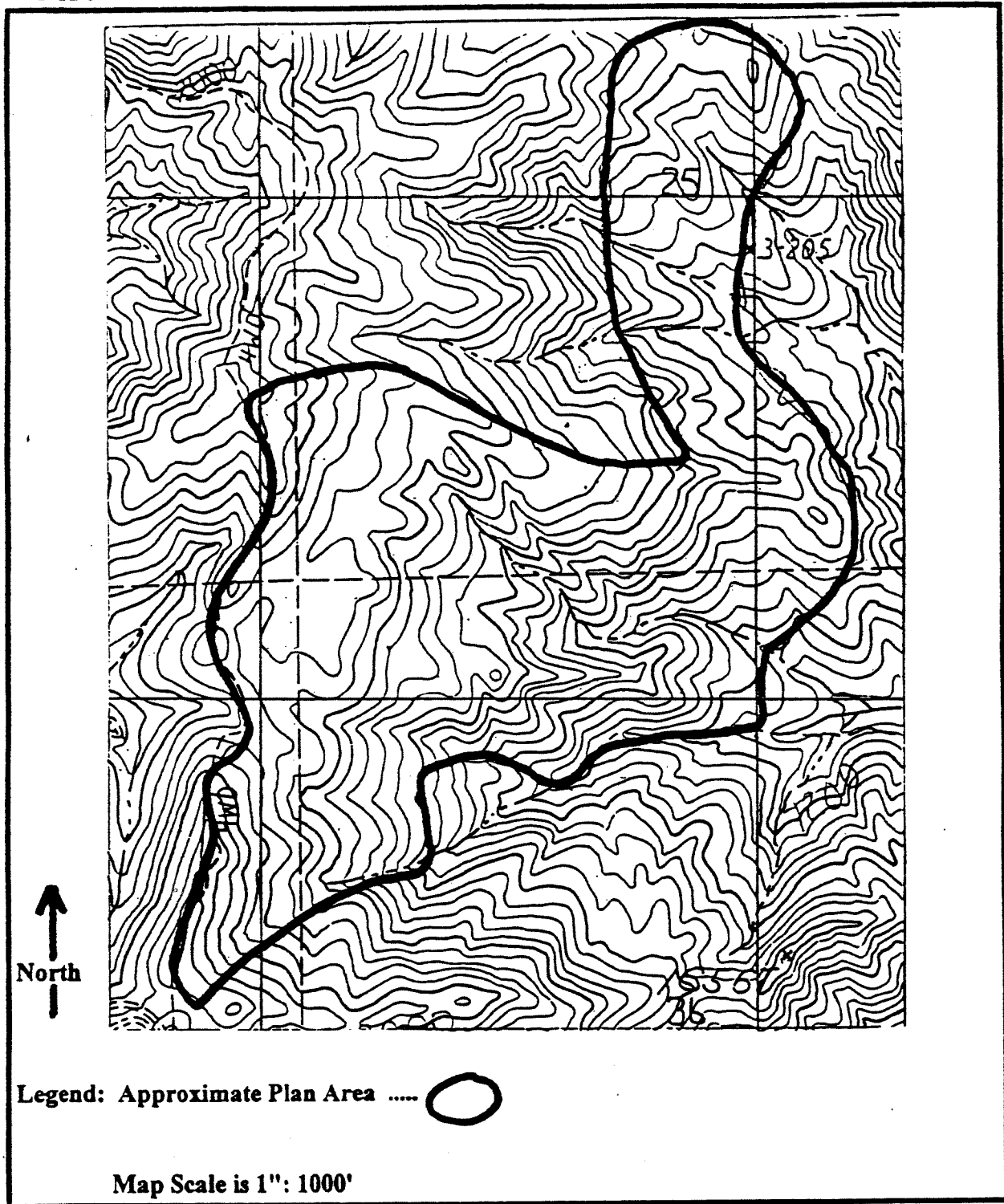
MAP TO ACCOMPANY
REQUEST FOR DOMESTIC WATER SUPPLY INFORMATION

PLAN ADDENDUM
JUN 13 1996

Galbreath
Rancheria Creek
1996

T 12 N

R 13 W



PART OF PLAN

Summit Forestry

UNIT, FG, WQ

7/14/96 W

Lee Susan
16575 Franklin Road
Fort Bragg, CA 95437
(707) 964-4566

July 9, 1996

RECEIVED

California Department of Forestry
P.O. Box 670
Santa Rosa, CA 95402

JUL 15 1996

COAST AREA OFFICE
RESOURCE MANAGEMENT

Dear Staff,

I am writing to provide additional information concerning THP 1-96-284MEN which you requested in your letter dated 07/03/96.

1a) Basal area levels are based on our 128 sample variable plot cruise of the plan area. A copy of our cruise data is attached for your edification. The stand has a high degree of variability and it is possible based on sampling theory that different samples of the same population could result in different indicated means. We have no information at this time which suggests to us that an error exists in our cruise data.

1b) The relative presence of the various reported tree species is based on our 128 sample variable plot cruise of the plan area. A copy of our cruise data is attached for your edification. The stand has a high degree of variability and it is possible, based on sampling theory that different samples of the same population could result in different indicated species distribution levels. We have no information at this time which suggests to us that an error exists in our cruise data.

1c) In February of 1996 Mr. Hiatt requested that I extend the time of completion for THP 1-91-444MEM. During the conversation between Mr. Hiatt and myself a misunderstanding occurred. Mr. Hiatt was telling me that he still had nearly the complete plan to harvest and I understood that the harvest plan was nearly completed. At that time I had never been on the plan area and was only acting as a facilitator.

2) As related above and shown on the included cruise cards stand densities vary widely over the plan area. The highest conifer basal areas occur in the thirty seven acre selection unit. Within the selection unit stand density varies between 300+ Sq.Ft./Ac. and <100 Sq./Ft./Ac. of conifer

PART OF PLAN

basal area. The selection area is considered to be site class 3 as reported on page 16 of the THP and in contrast to the site 4 designation reported by the SCS soil survey and the previous THP.

3) Harvesting of hardwoods will occur as follows:

- a) Tanoak in excess of 14" DBH will be harvested in order to maintain a balance of hardwood and conifer species on this site.
- b) Pacific Madrone and true oak species will be retained on site to benefit the many wildlife species which use these species as a food source. Only incidental cutting of these species are proposed.
- c) Only incidental harvesting of hardwoods will occur in WLPZ's in order to provide additional protection to the water resource.

4) A supplemental letter has been prepared and sent to the landowner regarding stocking requirements in the selection unit. A copy of this letter is enclosed for your review and inclusion in the THP as page 85.1.

5) EHR soil factors are based on the three primary soil types reported in the plan area by the SCS soil survey; Hopland, Witherell and Squawrock. Slopes are average slopes found in different portions of the plan area. The protective vegetative cover remaining after harvest factor is based on the low harvest volume proposed. Areas designated as seed tree seed step are also low volume harvest areas and many additional trees will be retained in these areas in order to maintain a variety of wildlife habitat and provide for long term stand diversity. Additionally a vegetative cover factor of 2 is consistent with the previous THP which proposed a much heavier diameter cut over most of the plan area.

6) I have reviewed the THP and THP Maps and they appear to be consistent with the quoted regulation.

7) A corrected copy of page 8 is enclosed for your use.

8) Modified copies of THP pages 6 and 9 are enclosed for your use.

9) Item 27a is marked "yes" because item 27f is marked "yes". Information concerning heavy equipment in the stream zones is located on THP pages 18, 19 and 20 under item 27f.

10) The map enclosed shows the location of the appurtenant haul road.

Sincerely yours,



Lee Susan
Forester #2127

RECEIVED

JUL 15 1996

COAST AREA OFFICE
RESOURCE MANAGEMENT

REVIEW TEAM CHAIRMAN'S RECOMMENDATIONS FOR TIMBER HARVESTING

PLAN OR AMENDMENT NO.: 1-96-284 MEN

DATE: July 18, 1996

PAGE: 1 of 2

Approval is recommended with the following mitigation measures:

- ✓ 1. To insure that site occupancy of Group A to Group B species is maintained in the Seed Tree, Removal Step area, the LTO shall remove at least an equal number of 14" DBH or larger Tanoak as Douglas-fir.
- ✓ 2. To insure the appropriate trees are harvested in the Selection Unit, the LTO shall only harvest trees marked with yellow paint.
- ✓ 3. The proposed new road construction from the intersection just north of S1 to the plan boundary at SP2 shall be deleted from the proposed THP. Prior to the Director's decision date, the RPF shall delete this road segment from the THP map and shall include the alternative road location as shown on the PHI map and as flagged during the PHI.
- ✓ 4. At THP Map Point A, the LTO shall reconstruct the road using an excavator and operations shall be in compliance with 14 CCR 923.2(b).
- ✓ 5. At THP Map Point A, upon completion of operations, the LTO shall remove the temporary Class II crossing using an excavator and the crossing shall be removed to the original channel grade. In addition, the temporary Class II crossing at this location shall be installed for one season only and removed prior to the winter period (Nov. 15 - to April 1).
- ✓ 6. The Northern Spotted Owl No-Take Certification shall be effective until March 1, 1997. no timber operations shall be conducted after that date until an extension of the No-Take Certification is obtained from the Department of Fish and Game and made part of the THP by filing a minor deviation.

RECEIVED

JUL 22 1996

COAST AREA OFFICE
RESOURCE MANAGEMENT

PART OF PLAN

I agree to the above mitigation measures.

7/22/96
Date

Susan Lee
RPF's Signature

LEE SUSAN
RPF's Typed or Printed Name

REVIEW TEAM CHAIRMAN'S RECOMMENDATIONS FOR TIMBER HARVESTING

PLAN OR AMENDMENT NO.: 1-96-284 MEN

DATE: July 18, 1996

PAGE: 2 of 2

Approval is recommended with the following mitigation measures:

28
97

- 7. To insure that archaeological resources are adequately protected, recommendations made by Mark Gary in association with THP 1-92-444 shall be part of THP #1-96-284 MEN.
- 8. The CDF PHI Map shall become part of THP 1-96-284 MEN.
- 9. The RPF letter dated 7/17/96, which provides additional THP clarification requested by the Second Review Team Chairman, shall become part of THP 1-96-284 MEN.
- 10. Prior to the Director's decision date, within THP Addendum Items #14(a) and (c), the RPF shall specify the harvest marking that the LTO shall follow, consistent with the "Marking" definition in 14 CCR 895.1. The RPF shall also specify in the THP the stump designator to be used.

??

PART OF PLAN

RECEIVED

JUL 22 1996

COAST AREA OFFICE
RESOURCE MANAGEMENT

I agree to the above mitigation measures.

7/22/96

Date

RPF's Signature

LEE SUSAN

RPF's Typed or Printed Name

AMENDMENT 1 (misc)

July 16, 1999

California Department of Forestry and Fire Protection
Coast - Cascade Region
Deputy Director
135 Ridgway Ave
Santa Rosa, Ca. 95401

AM#1

RECEIVED

AUG 09 1999

DEPT. OF FORESTRY
MENDOCINO COUNTY

Dear sir:

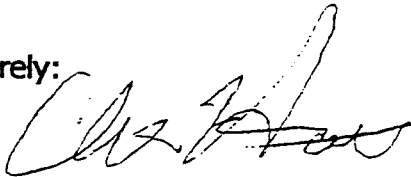
This letter is in regards to THP # 1- 96- 284 Men.

Will you please amend Section I of this plan, and change the Forester of Record to:

Kenneth Wood RPF # 920
1021 Lake Mendocino Drive
Ukiah, Ca. 95482
707-462-4142

If you have any questions on this, please call me.

Sincerely:



Plan Submitter: Charles Hiatt
P.O. Box 595
Boonville, Ca. 95415
707-895-2403

RECEIVED

JUL 19 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT

AMENDMENT NO. (MINOR)

AMFZ

July 16, 1999

First extension request.
New Expiration Date:
7/30/2000

California Department of Forestry and Fire Protection
Coast - Cascade Region
Deputy Director
135 Ridgway Ave
Santa Rosa, Ca. 95401

RECEIVED

AUG 09 1999

DEPT. OF FORESTRY
MENDOCINO COUNTY

Dear sir:

This letter is in regards to THP # 1- 96- 284 Men.

Will you please amend Section I of this plan, and extend the Date this plan Expires for an additional year. The new date the plan would Expire would move from 7-30-1999 to 7-30-2000.

The Landowner and the L.T.O. have not wanted to continue work on this plan due to the Douglas-Fir timber market conditions. The market conditions are OK this year but the operator will not be able to finish the work on this plan before the end of July, (7-30-1999). Please extend this plan for an additional year.

If you have any questions on this, please call me.

Sincerely:

Kenneth Wood

Kenneth Wood RPF # 920
1021 Lake Mendocino Drive
Ukiah, Ca. 95482
707-462-4142

RECEIVED

JUL 19 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT

RECEIVED

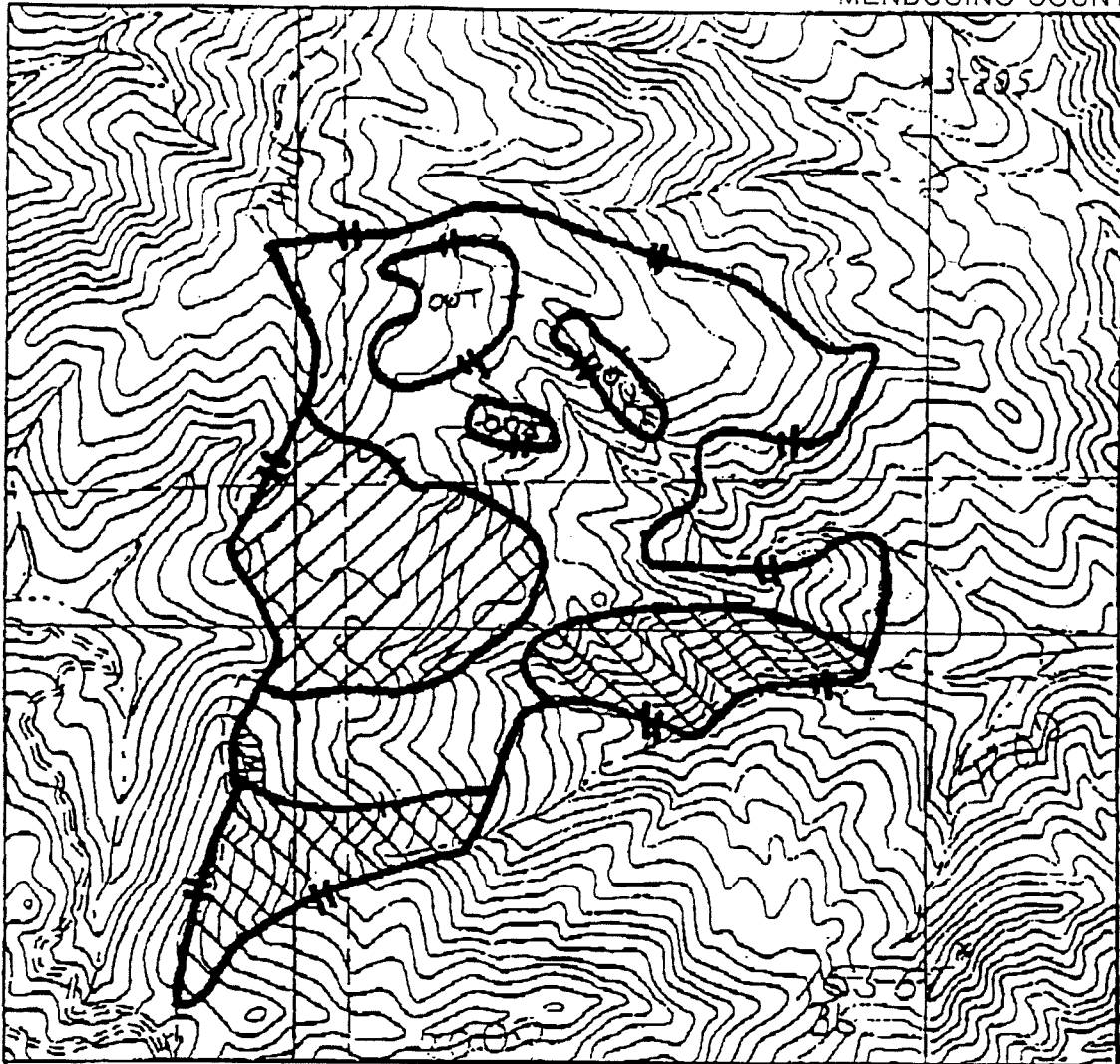
T 12 N

R 13 W

1-96-284

AUG 09 1999

DEPT. OF FORESTRY
MENDOCINO COUNTY



RECEIVED

JUL 15 1996

COAST AREA OFFICE
RESOURCE MANAGEMENT



LEGEND:

Plan Area Boundary

Silvicultural Methods:

Selection

Seed Tree Seed Step

Seed Tree Removal (all not shown otherwise).....

Map Scale is 1" = 1000'

Timberland is considered to be Site Class 4 *except Selection Area*

*revised
7/19/96*

14 RECEIVED

JUL 22 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT

DEPARTMENT OF FORESTRY AND FIRE PROTECTION

COAST-CASCADE REGION
135 RIDGWAY AVENUE
SANTA ROSA, CA 95401
(707) 576-2959



Date: July 11, 2000
THP No.: 1-96-284 MEN
Amendment No. 3

Kenneth Wood
1021 Lake Mendocino Dr.
Ukiah, CA 95482

Mr. Wood:

Your amendment to the above referenced Timber Harvesting Plan (a copy of which is enclosed) has been accepted as being in conformance with the Rules and Regulations of the Board of Forestry adopted pursuant to the provisions of the Z'berg-Negedly Forest Practice Act and is now considered part of the original plan with the following additional mitigation measures:

All operations must comply with the New Forest Practice Rules approved as of July 1, 2000. New Forest Practice Rules went into effect July 1, 2000. Any and all rule changes applicable to the area of extension must be complied with. See the attached, which provides guidance as to what new rules may apply to your operations. It is not all encompassing. It is important that you review the rule package in full, and address accordingly.

Rules can be obtained at: http://www/bof/board/board_proposed_rule_packages.html. Click on "Final Rule Language, Protection or Threatened and Impaired Watersheds, 2000."

Final compliance with all provisions of the Forest Practice Act and Rules will be determined by future inspections.

In future correspondence, please refer to the above referenced Timber Harvesting Plan. If you need additional information, please contact our office at the address or telephone number listed above.

Sincerely,

A handwritten signature in black ink, appearing to read "Leslie A. Markham", is written over a faint, larger version of the same signature.

Leslie A. Markham
Division Chief, Forest Practice
RPF #2529

LM/lam
Enclosure(s)

cc: Unit, File, DFG, WQ, DPR, BOE
Plan Submitter

AMENDMENT NO.

(MINOR)
#3

July 5, 2000

Second & Final Extension request.

Final Expiration Date:

7/30/01

Deputy State Forester
Dept. of Forestry and Fire Protection
Coast - Cascade Region
135 Ridgway Ave.
Santa Rosa, Ca. 95401

RECEIVED

JUL 12 2000

DEPT. OF FORESTRY
MENDOCINO COUNTY

Dear Sir ;

This letter is in regards to THP # 1-96- 284 Men.

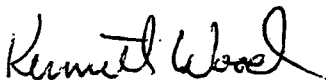
Will you please amend Section I of this plan, and extend the date this plan expires for an additional year. The new date the plan would expire would move from 7-30-2000 to 7-30-2001.

The landowner and the L.T.O. plan submitter have not wanted to continue work on this plan in the past due to the poor Douglas-Fir market conditions. The market conditions were O.K. this year, however the operator will be unable to finish the work on this plan before the expiration date. Please extend this plan for another year.

The plan will comply with Chapter 8, Division 4, of the public Resource Code, Z'Berg Nejedley Forest Practice Act, and the rules and regulations of the Board of Forestry as they exist on the date this extension will be filed.

If there are any Questions on this extension, please call me.

Sincerely,



Kenneth Wood RPF # 920
1021 Lake Mendocino Drive
Ukiah, Ca. 95482
707-462-4162

RECEIVED

JUL 07 2000

COAST AREA OFFICE
RESOURCE MANAGEMENT

RECEIVED

MAY 31 2000

COAST AREA OFFICE
RESOURCE MANAGEMENT

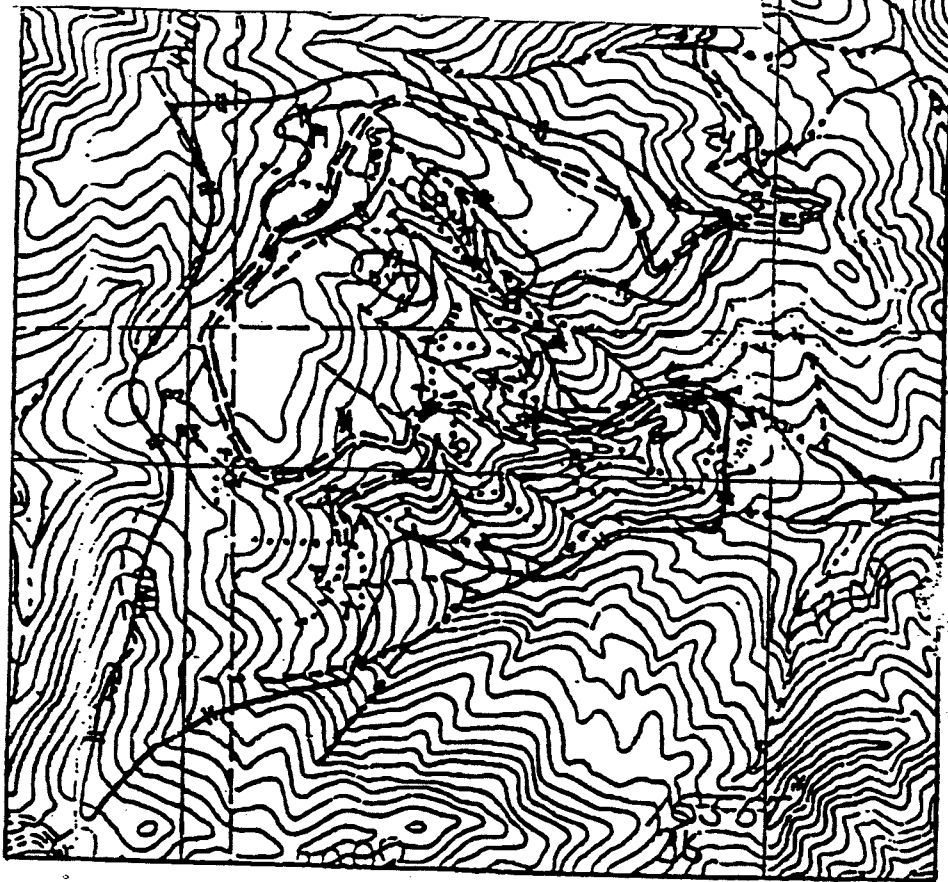
R 13 W

Time Extension Map

THP 1-96-284 MEN

The amendment extending the expiration
Date of this plan will apply to the total plan area
There are no completion or stocking reports filed
For this THP area

6-284



THP 1-96-284 MEN
Revised 7/2/96
Lee Susan

LEGEND:

- Plan Area Boundary -----
- Reconstruction Seasonal Truck Roads =====
- Seasonal Road New Construction =====
- Watercourses:
- Class 2 -----
- Class 3 -----
- Defined Skidding Pattern -----
- Temporary Watercourse Crossing --- T, T1
- Points Referred to in THP text --- A, B, etc.

- Permanent Culvert Installations:
- C1 = 18", C2 = 36", C3 = 36"
- C4 = 18", C5 = 18", C6 = 18"
- C7 = 18"
- Spring ----- SP1, SP2
- Class 2 Pond P1, P2, P3
- Slide Area --- S1, S2

12

Map Scale is 1" = 1000'

RECEIVED

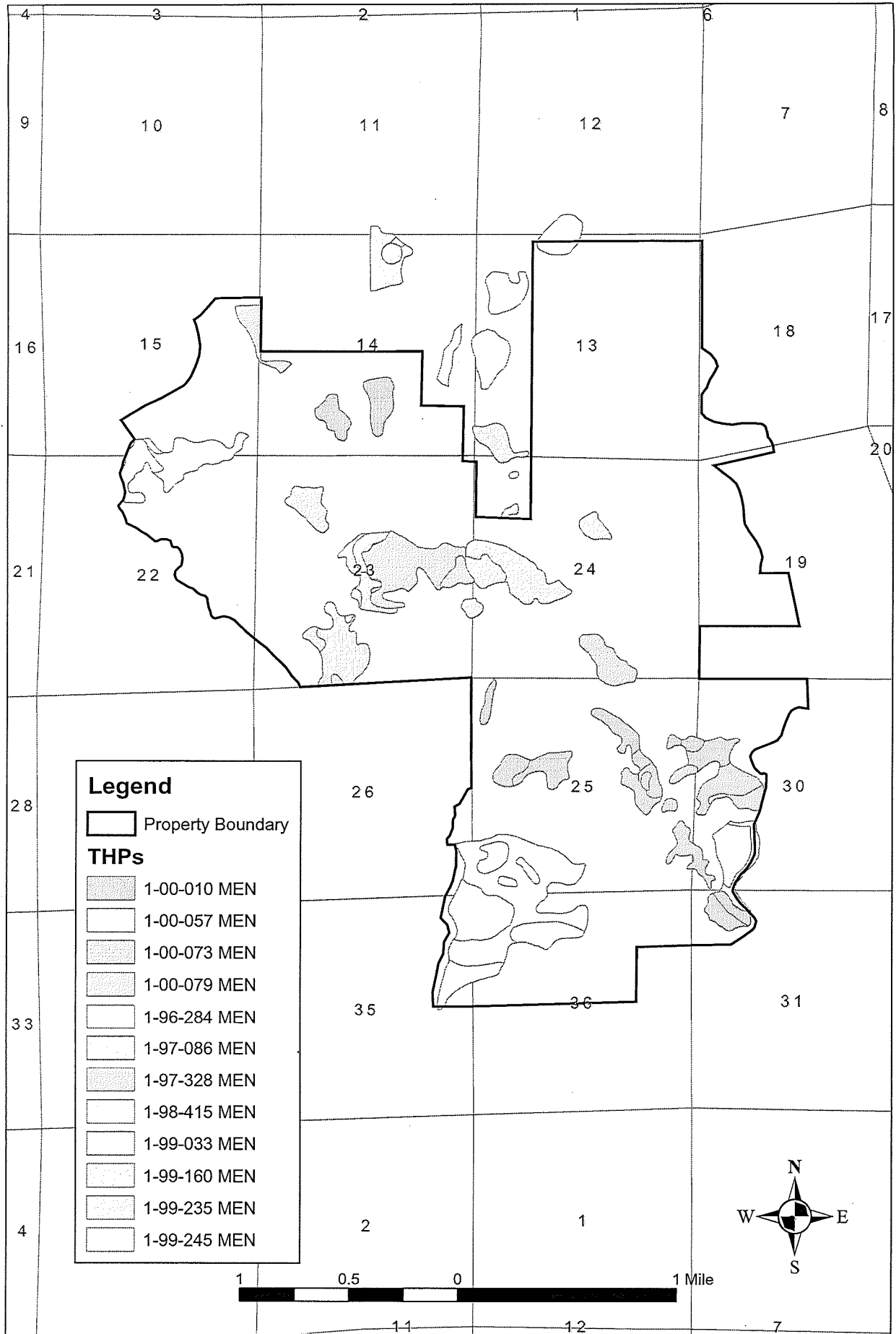
JUL 07 2000

COAST AREA OFFICE
RESOURCE MANAGEMENT
COAST AREA OFFICE
RESOURCE MANAGEMENT

FROM : Summit Forestry

PHONE NO. : 787 964 4566

JUL 27 1996 07:57AM PA



THP Number	GIS Acreage	Approval Date	Expiration Date
1-00-010 MEN	57.864	20000323	20030322
1-00-057 MEN	56.6	20000726	20030725
1-00-073 MEN	82.353	20000419	20030418
1-00-079 MEN	13.265	20000726	20030725
1-96-284 MEN	173.665	19960731	20010730
1-97-086 MEN	137.114	19970616	20000615
1-97-328 MEN	111.578	19970815	20000914
1-98-415 MEN	48.306	19990210	20020209
1-99-033 MEN	7.735	19990316	20020315
1-99-160 MEN	25.411	19990614	20020613
1-99-235 MEN	24.293	19990802	20020801
1-99-245 MEN	33.686	19990811	20020810

