

Table of Contents

Fred Galbreath
Hiatt
1997

Timber Harvesting Plan Section 1	1
Timber Harvesting Plan Section 2	4
Timber Harvesting Plan Maps	13
Timber Harvesting Plan Section 3	19
Timber Stand Description as per Title 14 CCR 1034jj	19
Timber Harvest Plan Section 4	28
Cumulative Impacts Analysis	28
Addendum to Cumulative Impacts Analysis	46
Map of CWE and Terrestrial Biological Assessment Area	52
Timber Harvest Plan Section 5	53
Appendix A NSO Addendum	54
Appendix B Archeological Addendum(CONFIDENTIAL).....	62
Timber Harvest Plan Section 6	79
Erosion Hazard Rating Calculations	80
Letter to Landowner Regarding THP Item 13a Obligations	81
Letter to Plan Submitter Regarding THP Item 13a Obligations	84
Public Notice(copy).....	86
List of Adjacent Landowners(copy).....	88
Downstream Domestic Water Supply Information Request	89
END	89

RECEIVED

MAR 18 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

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): _____

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

13. RPF preparing the THP: Name ~~Lee Susan~~ Kenneth Wood, Am #2 RPF Number 920
Address 16575 Franklin Road 1021 Lake Mendocino Dr
City ~~East Branch Ukiah~~ State CA Zip ~~95437~~ 95482 Phone ~~(707) 964-4566~~ 462-4162

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?

_____ 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):

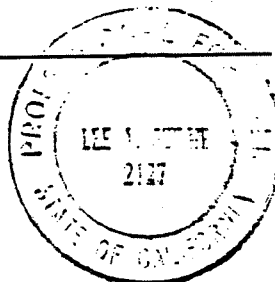
The listed RPF will be the plan submitters agent during the THP approval process. The RPF will meet with the LTO to discuss the project as required by Title 14 CCR 1035.2. THP preparation fieldwork will be done by the listed RPF. The RPF will submit any necessary amendments if employed to do so. It is 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 3/10/97



Full
cc: Bawson 6/18/97

FOR ADMIN. USE ONLY
Amendments-date & S or M

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

TIMBER HARVESTING PLAN
STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY
AND FIRE PROTECTION
RM-63 (9/94)

FOR ADMIN. USE ONLY

THP No. 1-97-086 MEN
 Dates Rec/Ed MAR 18 1997
 Date Filed MAR 24 1997
 Date Approved JUN 16 1997
 Date Expires JUN 15 2000
 Extensions 1) [] 2) []

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 [Signature] Date March 15, 1997

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 [Signature] Date March 15, 1997

3. LICENSED TIMBER OPERATOR(S): Name Charles Hiatt Lic. No. A-7493 ✓
 Address P.O. Box 595
 City Boonville State CA Zip 95415 Phone (707) 895-2403
 Signature [Signature] Date MARCH 15 1997

4. PLAN SUBMITTER(S): Name Charles 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.

RECEIVED

JUN 18 1997
 DEPT. OF FORESTRY
 BUTTE COUNTY
 1

RECEIVED

MAR 18 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

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. Lee Susan
 Address 16575 Franklin Road
 City Fort Bragg State CA Zip 95437 Phone (707) 964-4566

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

Southern Subdistrict of the Coast F.D.

The Tahoe Regional Planning Authority Jurisdiction

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:

Section	Township	Range	Acreage
<u>23</u>	<u>12N</u>	<u>13W</u>	<u>88</u>
<u>24</u>	<u>12N</u>	<u>13W</u>	<u>46</u>
_____	_____	_____	_____
_____	_____	_____	_____

Mount Diablo

Humboldt

San Bernardino

County

Assessor's Parcel Number*

Mendocino

Mendocino

TOTAL ACREAGE 134

* 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. _____

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 (933.11, 953.11). If more than one method or treatment will be used show boundaries on map and list approximate acreage for each.

Clearcutting 27 ac. Shelterwood Prep. Step _____ ac. Seed Tree Seed Step 11 ac.
 Shelterwood Seed Step _____ ac. Seed Tree Removal Step 96 ac.
 Shelterwood Removal Step _____ ac.

Selection _____ 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 134 ac. 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?

All conifer timber to be cut in seed tree and seed tree removal areas will be marked by the RPF and or his designee with blue paint. The boundaries of the clear-cut units will be flagged with green "Silvicultural Boundary" survey ribbon.

- 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.

All conifer timber to be cut in seed tree and seed tree removal areas will be marked by the RPF and or his designee with blue paint. The boundaries of the clear-cut units will be flagged with green "Silvicultural Boundary" survey ribbon.

- 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

- 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.

Site preparation beyond normal harvesting activity is not proposed.

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.

Annual rye grass will be planted with an application rate of 25 lbs./ac. or more, where more than 100 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?

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

THP 1-97-086 MEN
Revised 4/21/97
L. SUSAN

List specific measures to minimize the effects of the use of ground based equipment for each yes checked:

Only skid trails which have been flagged by the RPF are to be used where slopes exceed 50%. The primary skidding pattern and location of skid trails to be used on 50%+ slopes is as shown on the THP Map. Impacts are minimized by location and design of skid trail system with an emphasis on skidding away from watercourses and minimizing overall skid trail density. For additional information please see "Item 21 Continued" in Section 3 of the THP. Water breaks will be installed on all skid trails to "High" EHR standards as follows:

MAXIMUM DISTANCE BETWEEN WATER BREAKS ON SKID TRAILS

Road or Trail Gradient	Maximum water break spacing
< 10%	150 feet
11 to 25%	100 feet
26 to 50%	75 feet
>50%	50 feet

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.

Flagged skid routes are generally existing skid trails which can be used with little or no reconstruction. The existing skid trail network occasionally crosses slopes over 65%. slopes over 50% in High EHR areas and slopes over 50% which lead without significant flattening to a watercourse as shown on the THP Map and described in Section 3 of the THP. In these areas only existing flagged skid routes are to be used and overall ground disturbance is to be minimized. Only skid trails which have been flagged by the RPF are to be used where slopes exceed 50%. Per CDF requirement only skidding equipment the size of a D6D tractor or smaller is to be used on skid trails which are located on slopes over 65% or on skid trails on slopes greater than 50% which decline toward a watercourse without significant flattening. The skid trail identified on the THP Map as "T1" will be reshaped to re-establish the slopes original contour prior to the completion of operations. It is anticipated that an excavator will be required to accomplish this work.

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:

RECEIVED

NOTE: All water breaks and rolling dips must be installed by October 15.

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

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?

THP 1-97-086 MEN
Revised 4/21/97
L. SUSAN

- 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?
- 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.

The outlet of an existing 24" CMP located at THP Map Point "C3A" will be rock armored to reduce bank cutting prior to the completion of operations.

Fill material located at the outlet of an existing culvert at THP Map Point "P5" will be pulled back and a downspout installed so that water from the culvert is not discharged onto fill material. It is anticipated that a backhoe or excavator will be required to accomplish this task.

A ten foot extension will be added to the existing culvert located at THP Map Point "P10" in a manner which prevents the culvert from discharging water onto fill material.

An 18" X 30" CMP is to be installed at THP Map Point "P10" as per CDF instructions. The installation of this culvert will be such that water is not discharged onto fill material.

At CDF PHI Map Point P-3(c) and as flagged in the field during the PHI, the LTO will stabilize the outside edge of the road fill by using an extend-a-hoe or excavator to "key-in" place at least two solid redwood logs into the outside edge of the road to armor the fill. These two logs will be cabled together to provide support for the inside turn.

Between CDF PHI Map Points P-7A and P-7B and between CDF PHI Map Points P-8A and P-8B the haul road will be outsloped and waterbreaks will be placed at the "high" EHR standard. Organic debris and perched material along the outside edge of these road segments are to be pulled back and either graded into the roads surface or endhauled to a stable location. Any additional width required for hauling on these road segments will be obtained by cutting into the bank and excavated material will not be sidecast.

SLIDES

SL1

A small slide is located in the harvest unit at THP Map Point "SL1". Timber cutting and the use of heavy equipment is not proposed on the slide area. The slide surface is substantially re-vegetated and appears to be stable. The perimeter of the slide area will be marked with orange and white striped "Special Treatment Area" ribbon prior operations in this area.

SL2

No operations are to occur on the shallow slide identified as "SL2" and located as shown on the map at THP page 16.

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

8

THP 1-97-086 MEN
Revised 4/21/97
L. SUSAN

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

26. [X] 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 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*

RECEIVED

APR 23 1997

COAST AREA OFFICE 9
RESOURCE MANAGEMENT

THP 1-97-086 in EN
Revised 4/21/97
L. SUSAN

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."

Per CDF requirement Class 3 watercourses will have a 25 foot ELZ where slopes are under 30% and a 50 foot ELZ where slopes are over 50%. The class 3 channels will be flagged with blue and white flagging. Mapped and flagged skid trails are approved for use even if they encroach upon the above described ELZ's.

SPRINGS

SP1

A spring is located at THP Map point "SP1". A 50 foot ELZ will be maintained above a the spring. The ELZ is flagged in blue and white stripped WLPZ ribbon.

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?

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.

At THP Map Point W1 a tractor will be used to skid logs on an existing trail which is partially located within a Class 2 WLPZ. The skid route is flagged with yellow skid trail ribbon. This skid trail is to be seeded and mulched at the completion of operations as specified in item 18 of this THP. For additional information concerning the continued use of skidding equipment in the WLPZ at this location please refer to item 27f Situation #1 in Section 3 of this THP.

At THP Map Point W2 an existing truck road which is located within a Class 2 WLPZ for a distance of approximately 700 feet will be used. The route is flagged with orange truck road ribbon. Within the Class 2 WLPZ and within 100 feet of the boundary of the WLPZ, this skid trail is to be seeded and mulched at the completion of operations as specified in

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

10

THP 1-97-086 MED

Revised 4/21/97

L. SUSAN

item 18 of this THP. For additional information concerning the continued use of this road please refer to item 27f Situation #2 in Section 3 of this THP.

At THP Map Point W3 an existing landing will be used which is located on the edge of a Class 2 WLPZ. This landing is to be seeded and mulched at the completion of operations as specified in item 18 of this THP. For additional information concerning the continued use of this landing please refer to item 27f Situation #3 in Section 3 of this THP.

At the location designated as CDF PHI Map point P-1 the class 2 stream channel will be realigned and the adjacent roads edge will be armored with logs or large rocks. Prior to realignment of the watercourse a 1606 DFG permit will be obtained for this work and submitted to CDF as a minor amendment.

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.

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

THP 1-97-086 WEN
Revised 4/21/97
L. Susan

WHR 6 type timber stands are present in this area. No contiguous areas of 26 acres of WHR 6 were encountered. Adjacent areas are grassland, hardwoods or young stands of WHR 3 or WHR 4 timber.

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 secret" 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.
There are no known overhead power lines within the operating area. All culverts to be installed will be of sufficient length to extend beyond the fill.

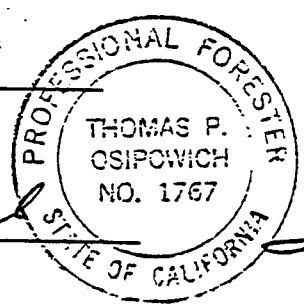
Operations using the "W1" skid trail or the "W2" road segment are to be completed prior to October 15th of the year of operations.

A non-winter period wet weather operating plan for this THP will be as follows:
At any time of year, erosion control features will be installed prior to the end of the day on all tractor roads, landings, and unsurfaced logging roads appurtenant to this THP when the U.S. Weather Service Forecast is 30% or more chance of rain and when it is also announced by the U.S. Weather Service Forecast that over 1 inch of rainfall is expected in a 24 hour period. Erosion control features to be implemented will include the breaching of berms, installing key water breaks and other measures necessary to minimize sediment discharge into the fluvial system.

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)



6/16/97
(Date)

Thomas P. Osipowich
(Printed Name)

Director, Forest Practice
(Title)

RECEIVED

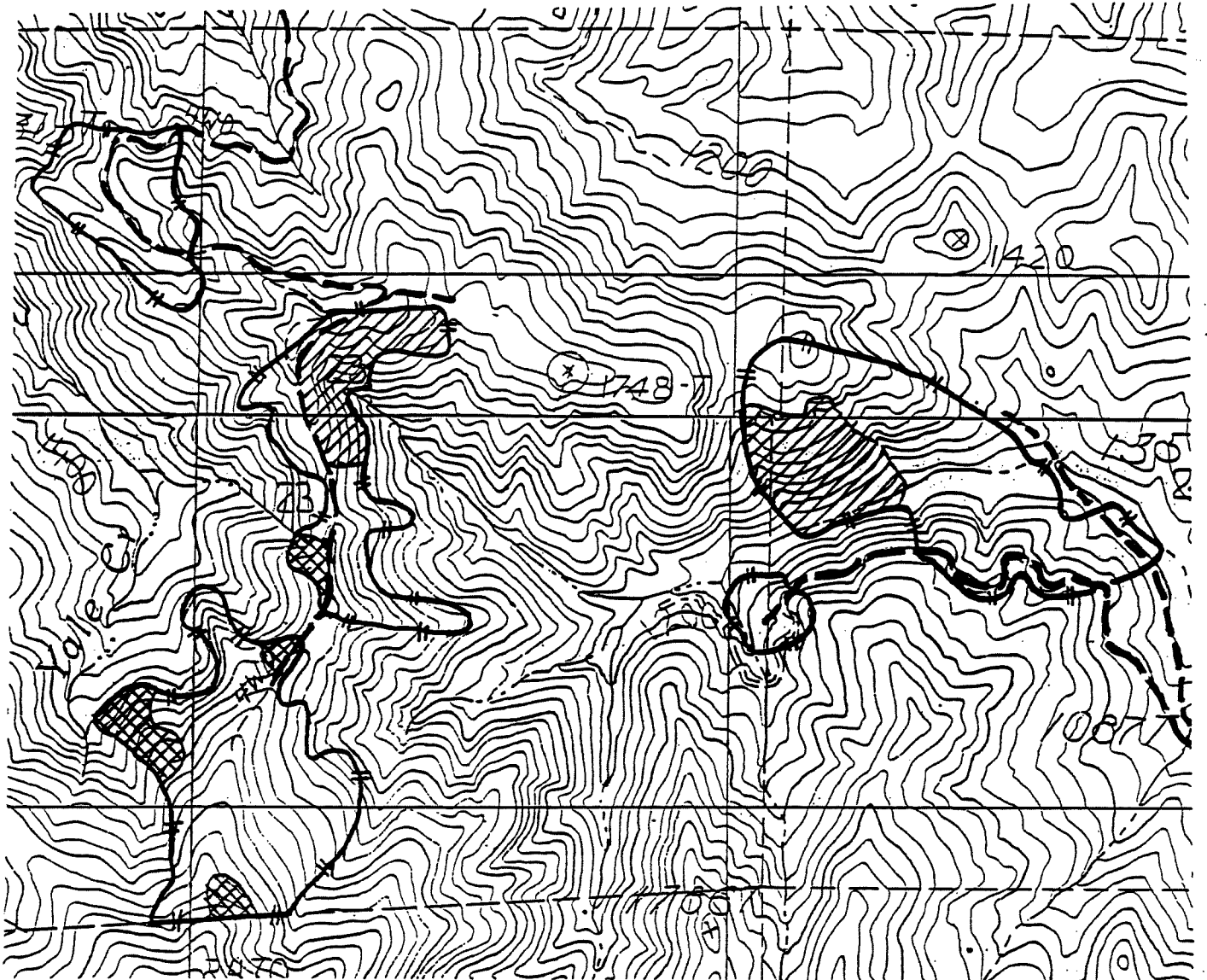
APR 23 1997
COAST AREA OFFICE
RESOURCE MANAGEMENT

THP 1-97-086 MEN
Revised 4/21/97
L. SUSAN

MAP TO ACCOMPANY
 TIMBER HARVESTING PLAN
 Galbreath Ranch
 1997

T 12 N

R 13 W



LEGEND:

- Plan Area Boundary
- Silvicultural Methods:
- Clear-Cut
- Seed Tree Seed Step
- Seed Tree Removal (all not shown otherwise).....
- Seasonal Haul Roads

Map Scale is 1" = 1000'

Timberland is considered to be Site Class 4

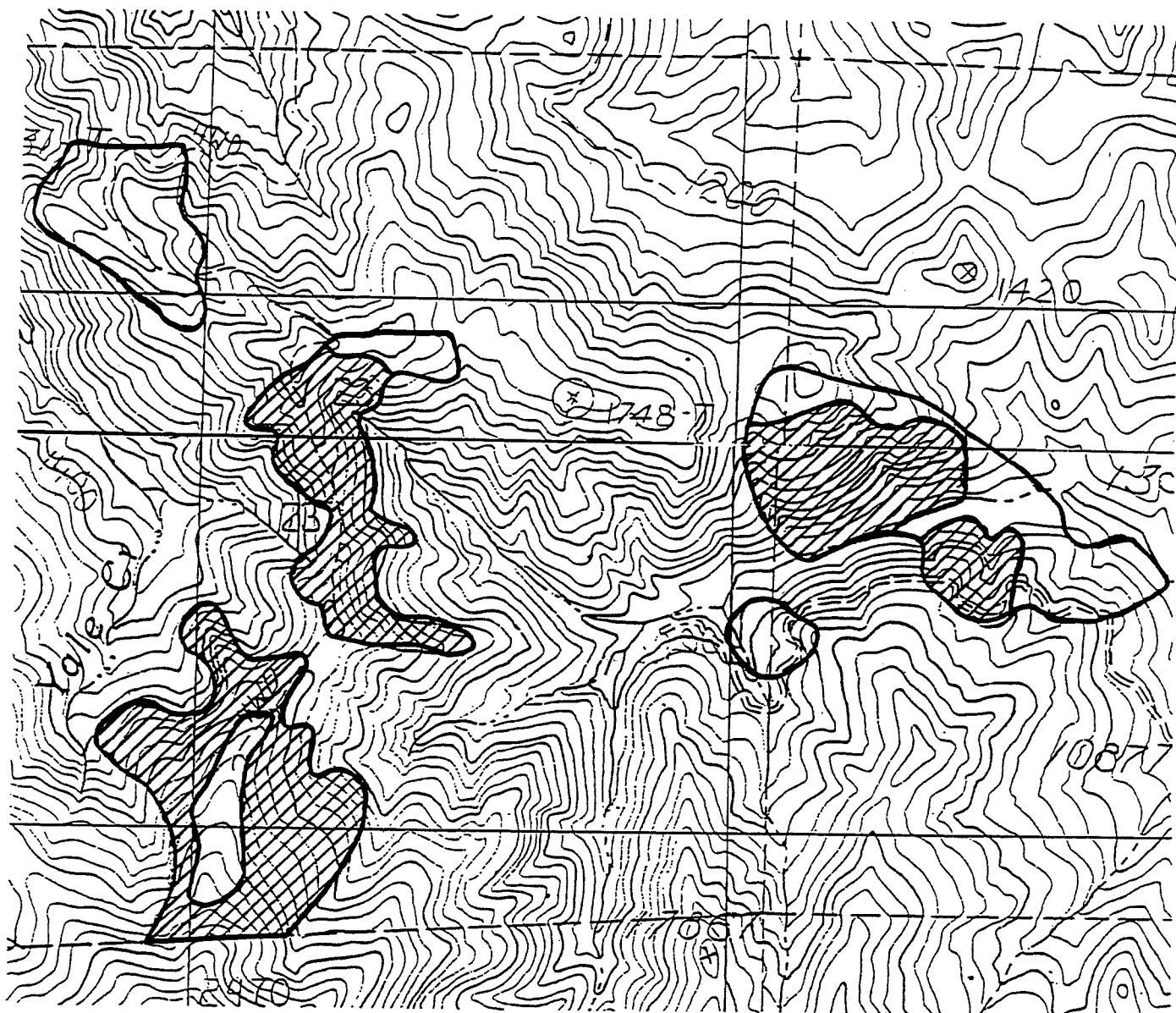
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

Galbreath Ranch




1997

T 12 N

R 13 W



LEGEND

- Plan Area 
- Erosion Hazard Rating :
- High 
- Moderate ...{all not shown otherwise}..... 

Map Scale is 1" = 1000'

MAP TO ACCOMPANY
TIMBER HARVESTING PLA

Galbreath Ranch

1997

Map Unit #1

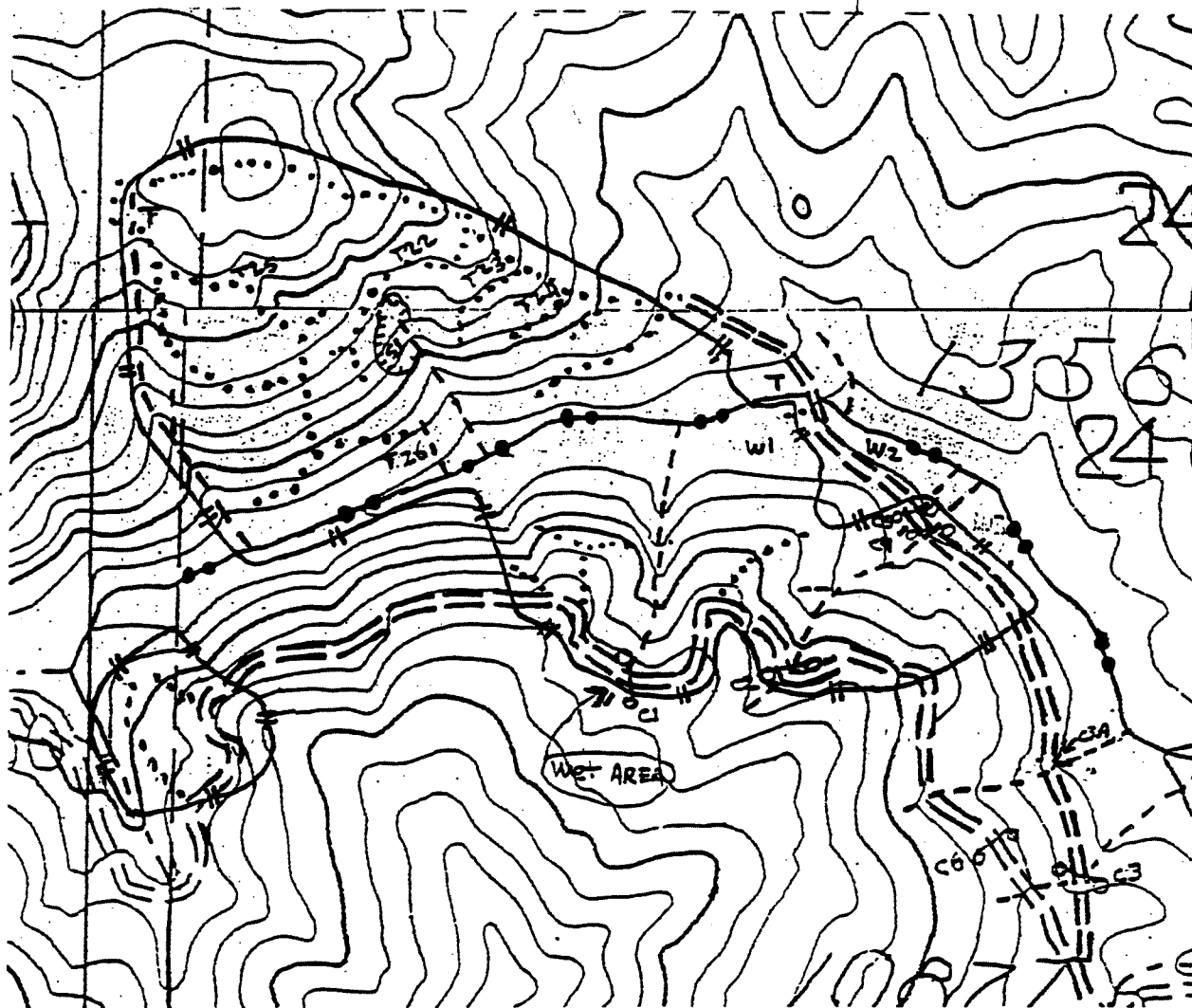
RECEIVED

T 12 N

APR 23 1997

R 13 W

COAST AREA OFFICE
RESOURCE MANAGEMENT



65% skid trails
T22, T23, T24
T25

Trails on slopes over 50% w/o flattening —
T22, T26

THP 1-97-086 MEN
Revised 4/3/97 AND 4/14/97
L. SUSAN

LEGEND:

- Plan Area Boundary
- Existing Seasonal Truck Roads =====
- Watercourses:
 - Class 1 ————
 - Class 2 ————
 - Class 3 - - - - -
- Defined Skidding Pattern
- Temporary Watercourse Crossing
- Points Referred to in THP text

- Permanent Culvert Installations:
 - C1 = 18", C2 = 18", C3 = 18"
 - C4 = 24", C5 = 18", C6 = 18"
 - WLPZ LandingW3
 - WLPZ Skid TrailW1
 - WLPZ Road SegmentW2
 - Slide AreaS1

Map Scale is 1" = 500'

MAP TO ACCOMPANY
 MBER HARVESTING PLAN
 Galbreath Ranch

RECEIVED

1997

APR 23 1997

Map Unit #2

R 13 W

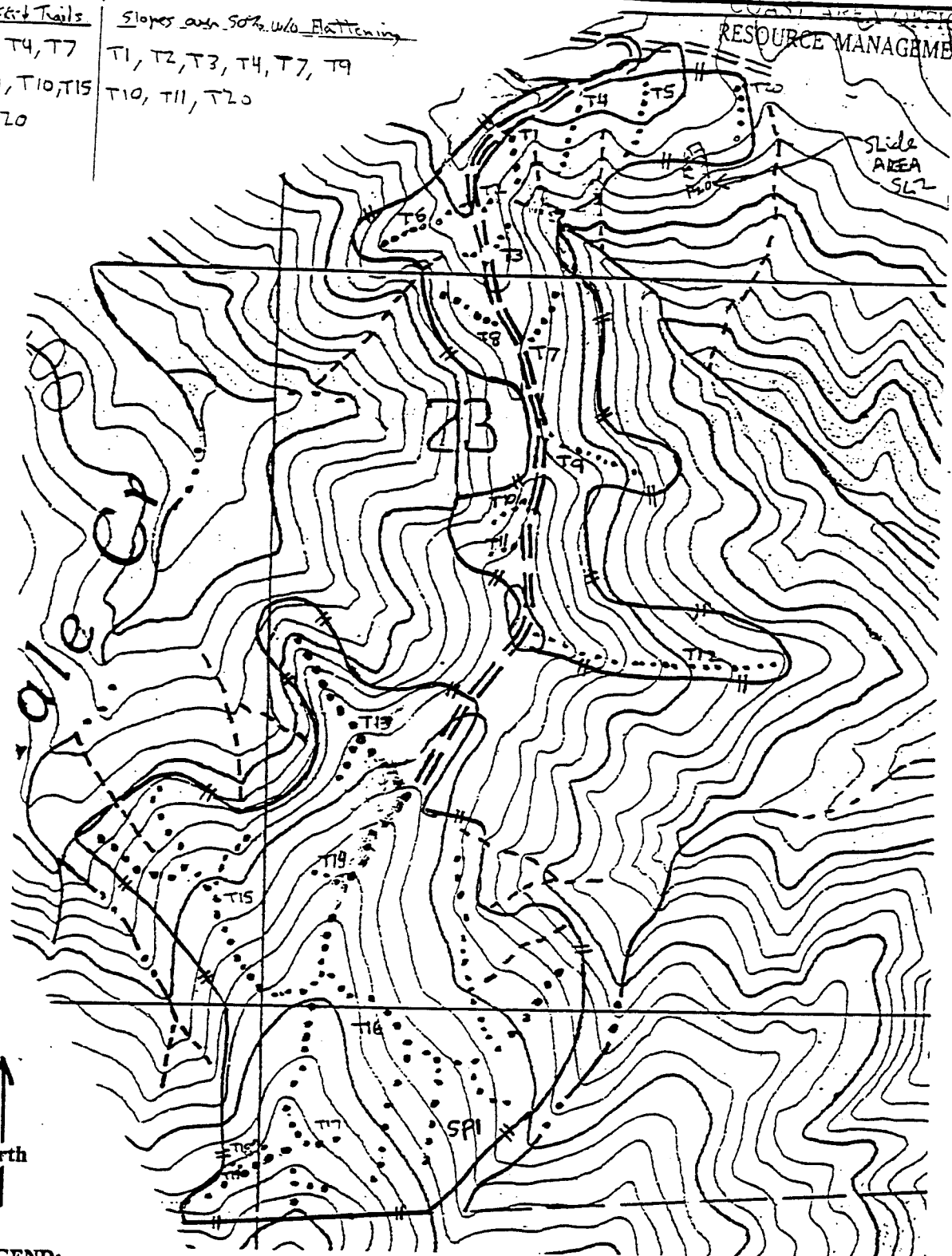
T 12 N

65% steeper Trails
 T1, T3, T4, T7
 T8, T9, T10, T15
 T17, T20

Slopes over 50% w/o Flattening
 T1, T2, T3, T4, T7, T9
 T10, T11, T20

COAST AREA OFFICE
 RESOURCE MANAGEMENT

SLIDE
 AREA
 SL2



THP 1-97-086 MEN
 Revised 4/13/97 JNP/SLH
 L. SUSAN

LEGEND:

- Plan Area Boundary
- Existing Seasonal Truck Roads =====
- Watercourses:
- Class 2
- Class 3 -----

- Points Referred to in THP text T1, T2, Etc.
- Temporary Watercourse Crossing T
- Defined Skidding Pattern
- SPRING = SPI

Map Scale is 1" = 500'

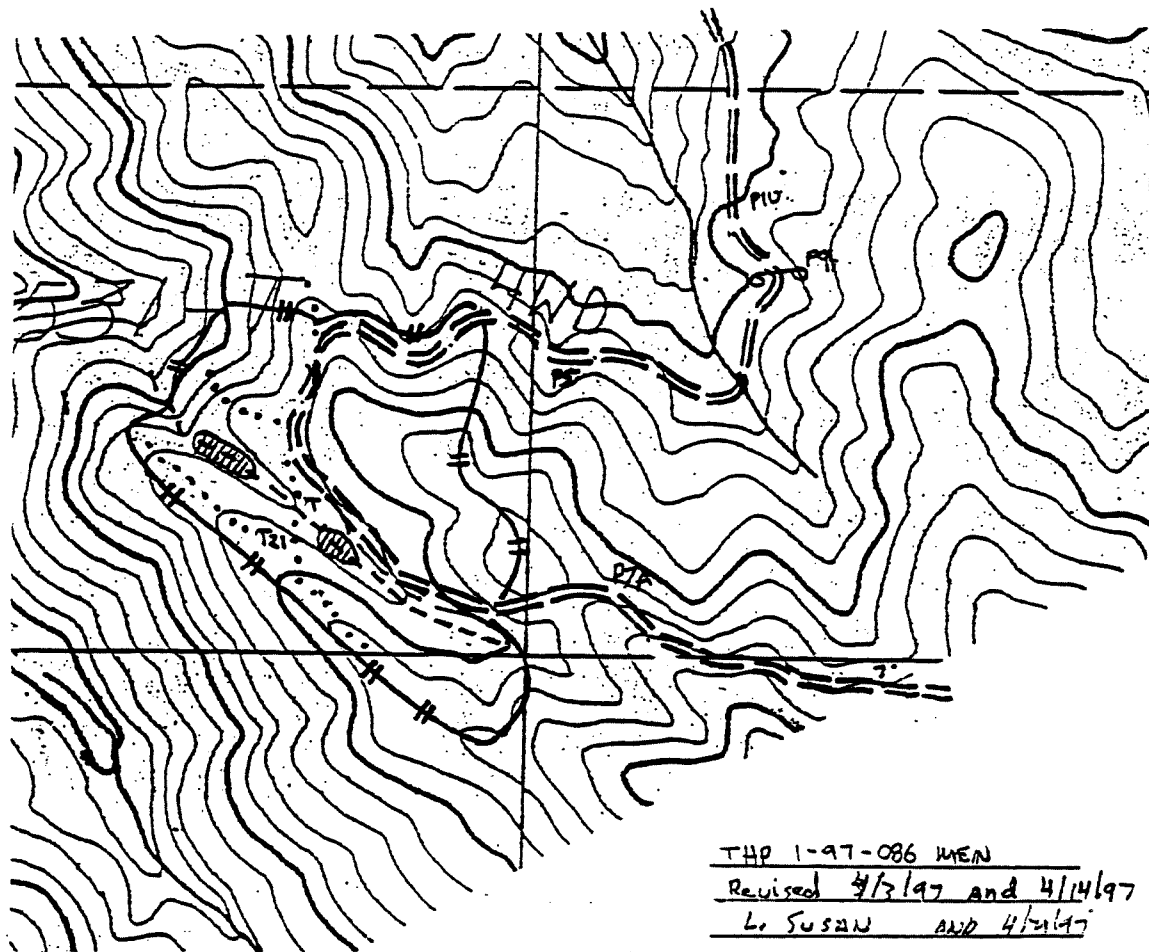
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Ranch

1997

Map Unit #3

T 12 N

R 13 W



THP 1-97-086 MEN
Revised 4/3/97 and 4/14/97
L. SUSAN AND 4/21/97

*P9 = add 10' of length
to existing culvert.*

RECEIVED

APR 23 1997


COAST AREA OFFICE
RESOURCE MANAGEMENT



 WET AREA

T21 = Trail on 50%+ slope w/o Flattening

LEGEND:

Plan Area Boundary 
Existing Seasonal Truck Roads == == == ==
Watercourses:
Class 3 - - - - -

Points Referred to in THP text T1, T2, Etc.
Temporary Watercourse Crossing T
Defined Skidding Pattern •••••

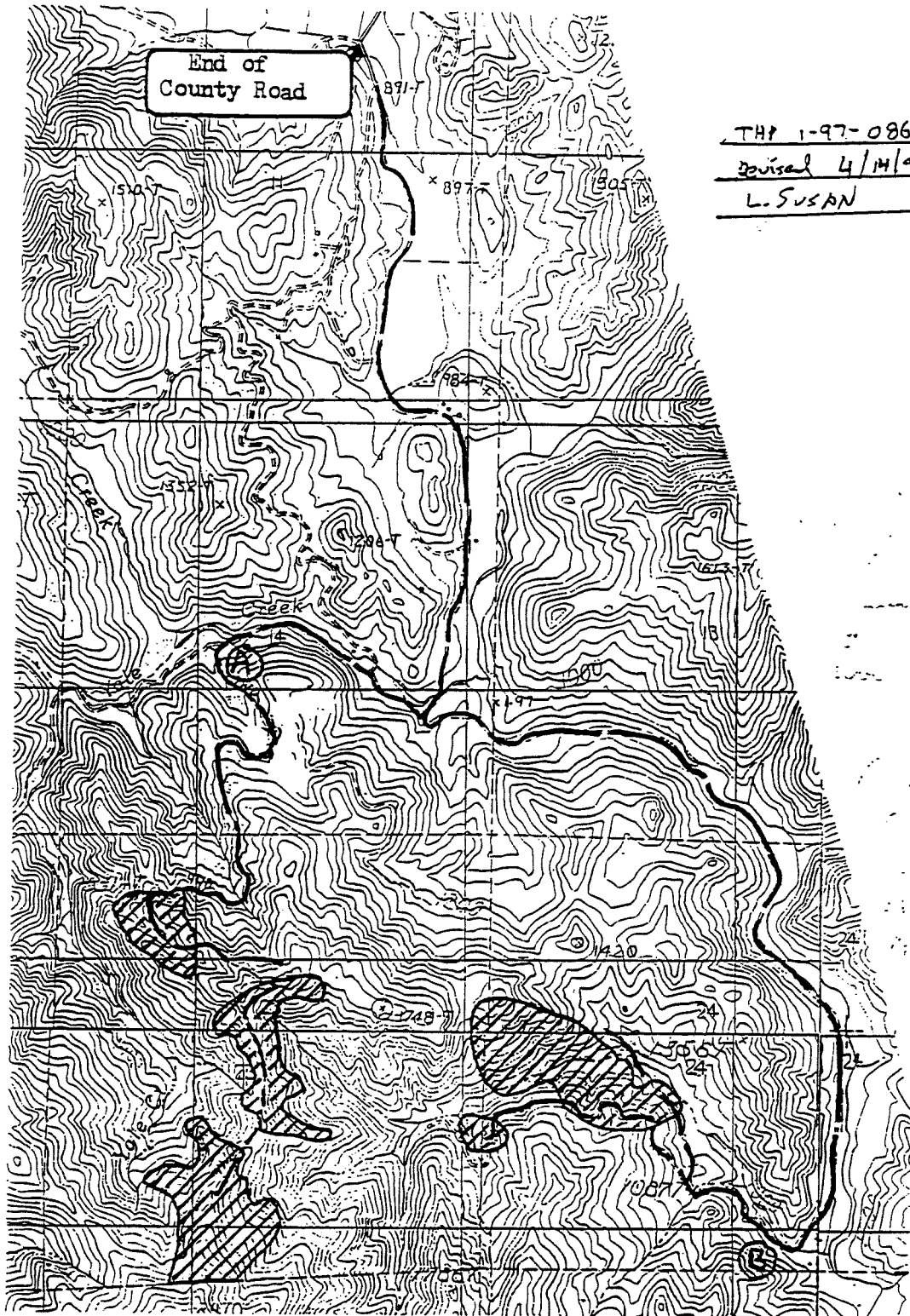
Map Scale is 1" = 500'

MAP TO ACCOMPANY
TIMBER HARVESTING PLAN


Galbreath Ranch
1997

T 12 N

R 13 W



LEGEND:

Plan Area 

Appurtenant Roads _____

Roads are permanent between end of County Road and Map Points "A" and "B"

Roads are seasonal from Map Points "A" and "B" to plan area

Map Scale is 1" = 2000'

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

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 miles Southwest of Yorkville. The harvest area is located within the Yale Creek and Rancheria Creek watersheds which are tributary to the Navarro river. The proposed harvest will occur on slopes of varying aspect and elevation will vary between approximately 1020 and 2200 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 and the Hopland - Squawrock soils complex are the primary soil types in this area. Slopes in the plan area range from moderate (<35%) to moderately steep (65%+). The plan area consists of Site 4 timberland.

The timber is a discontinuous stand of Douglas-fir which is interspersed with brush land. Redwood is occasionally present in some portions of the plan area. 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.

The plan area and adjacent stands were carefully reviewed to determine if "Late Successional Forest Stands" were present on site. It was determined that there are no areas with sufficient contiguous acreage of the WHR 6 stand type to meet the "Late Successional Forest Stands" definition. Timber stands 20 acres or larger in size with a QMD in excess of 24" were not observed in this area.

<u>Summary of Current Stand Conditions</u>		
	<u>% Stand Composition by BA</u>	<u>Average BA/AC</u>
Douglas-fir	43 %	66 Sq.Ft.
redwood	09 %	13 Sq.Ft.
tanoak	31 %	47 Sq.Ft.
Pacific Madrone	10 %	16 Sq.Ft.
Other Hardwood	07 %	11 Sq.Ft.

Class one, 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.

Additional Information Concerning THP Item 14.

A total of 134 acres are proposed for harvesting. 11 acres are submitted under the seed tree seed step silviculture method, 27 acres are submitted under the clear-cut silviculture method, 96 acres are submitted as a low volume seed tree removal harvest. Current stand information was determined by a 116 point variable plot BAF 40 survey. Silvicultural prescriptions were determined based on the results of these surveys and on the basis of intensive ground review.

Seed Tree Removal

Approximately 96 acres are proposed as a seed tree removal harvest. These areas typically have a light overstory. The understory consists of redwood and Douglas-fir regeneration up to 35 years in age and a mixture of hardwood species including tanoak and Pacific madrone. Trees marked for harvest are overstory trees which were retained during previous harvests in this area. Less than 15 trees per acre and less than 50 Sq.Ft./Ac. of conifer basal area per acre will be harvested in these areas. Green culls and 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.

Clear-cut

A total of 27 acres are designated as clear-cut. The clear-cut unit sizes are 13 ac. and 14 ac. Within this area, there is no significant conifer understory and the Douglas-fir overstory is highly defective. No other even aged regeneration step units are located within 300 feet of these units. Average age of timber to be harvested in this unit is estimated to be 100 years. Site preparation beyond normal disturbance associated with harvest activity is not proposed. This unit will be replanted with conifer seedlings as required to establish stocking levels in excess of the statutory stocking requirements.

Seed Tree Seed Step

A total of 11 acres of seed tree seed step harvesting located in 4 separate units is proposed. 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.

Hardwood competition is not a significant problem when the harvest area is considered as a whole.

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

Additional information concerning Items 21b, 21c and 21d:

Existing skid trails located on 65% + slopes and slopes over 50% in High EHR areas have been flagged for use. One skid trail identified as "T26" on the THP Map crosses 150+ feet above a Class 1 watercourse on a slope which exceeds 50% and does not flatten significantly. Each of these trails has been flagged on the ground by the RPF. Only existing skid trails have been designated for use. No new skid trail construction will occur on 65% + slopes, on slopes over 50% in High EHR areas or on slopes over 50% which lead without flattening to a watercourse. In other areas timber located on isolated steep slopes will be winched up to skid trails located on more moderate ground. Tractor long-lining of timber off short isolated steep slopes minimizes soil disturbance on steep slopes and does not require new road construction. Harvesting as proposed will allow for the removal of timber without significant risk to the environment based on the following factors:

- 1) The skidding pattern is generally directed away from WLPZ's and harvest activity on steep slopes is not concentrated in the vicinity of the fluvial system. Substantial amounts of long-lining will be required to avoid steep slopes and WLPZ's.
- 2) No new skid trails will be built on 65%+ slopes or slopes over 50% which lead without flattening to a watercourse. Substantial amounts of long-lining will be required to avoid new skid trail construction in these areas.
- 3) All skid trails proposed for use in these steep areas are existing and in good condition. I have personally reviewed and flagged these skid trails with "skid trail" ribbon.

A summary of individual skid roads to be used in conjunction with this harvest which constitute an exception to the standard rules is as follows:

Skid Trail T1

The skid trail proposed for use at THP Map point "T1" is an existing trail which is approximately 250 feet in length. Approximately 150 feet of this trail is located on a 65%+ slope. Approximately 210 feet of this trail is located on a slope which leads without significant flattening to a class 3 watercourse. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T2

The skid trail proposed for use at THP Map point "T2" is an existing trail which is approximately 75 feet in length. At the end of this trail the ground declines toward a class 3 watercourse at a gradient in excess of 50%. The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T3

The skid trail proposed for use at THP Map point "T3" is an existing trail which is approximately 200 feet in length. Approximately 125 feet of this trail is located on a 65%+ slope. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50%. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T4

The skid trail proposed for use at THP Map point "T4" is an existing trail which is approximately 260 feet in length. Approximately 80 feet of this trail is located on a 65%+ slope. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50% for a distance of approximately 160 feet. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T5

The skid trail proposed for use at THP Map point "T5" is an existing trail which is approximately 310 feet in length. The use of this trail is not considered to be an exception to the standard rule. The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T6

A new skid trail has been flagged down a grassy ridge at THP Map point "T6". The ground below this skid trail declines toward a class 3 watercourse at a gradient of slightly less than 50%. The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T7

The skid trail proposed for use at THP Map point "T7" is an existing trail which is approximately 190 feet in length. Approximately 150 feet of this trail is located on a 65%+ slope. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50% for a distance of approximately 150 feet. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T8

The skid trail proposed for use at THP Map point "T8" is an existing trail which is approximately 200 feet in length. Approximately 150 feet of this trail is located on a 65%+ slope. The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T9

The skid trail proposed for use at THP Map point "T9" is an existing trail which is approximately 275 feet in length. Approximately 235 feet of this trail is located on a 65%+ slope. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50% for a distance of approximately 235 feet. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T10

The skid trail proposed for use at THP Map point "T10" is an existing trail which is approximately 175 feet in length. Approximately 75 feet of this trail is located on a 65%+ slope. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50% for a distance of approximately 135 feet. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T11

The skid trail proposed for use at THP Map point "T11" is an existing trail which is approximately 160 feet in length. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50% for a distance of approximately 85 feet. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T12

A new skid trail has been flagged down a grassy ridge at THP Map point "T12". The location of this trail has been marked in the field with yellow skid trail ribbon. The use of this trail is not an exception to the standard rule.

Skid Trail T13

Long trail down ridge on Yale Creek side. This trail has a generally ridgetop location. The use of this trail is not an exception to the standard rule.

Skid Trail T14

The skid trail proposed for use at THP Map point "T14" is an existing trail which is approximately 75 feet in length. The use of this trail is not an exception to the standard rule.

Skid Trail T15

The skid trail proposed for use at THP Map point "T15" descends down a spur ridge on the Yale Creek side of the main ridge. Approximately 100 feet of this trail is located on a 65%+ slope. The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T16

The skid trail proposed for use at THP Map point "T16" is an existing trail which crosses moderately steep ground but is not considered to be an exception to the standard rule.

Skid Trail T17

The skid trail proposed for use at THP Map point "T17" is an existing trail which is approximately 125 feet in length. Approximately 150 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T18

The skid trail proposed for use at THP Map point "T18" is an existing trail which crosses moderately steep ground but is not considered to be an exception to the standard rule. This skid trail is approximately 75 feet long.

Skid Trail T19

The skid trail proposed for use at THP Map point "T19" is an existing trail which crosses moderately steep ground but is not considered to be an exception to the standard rule. This skid trail is approximately 75 feet long.

Skid Trail T20

The skid trail proposed for use at THP Map point "T20" is an existing trail which is approximately 250 feet in length. Approximately 100 feet of this trail is located on a 65%+ slope. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50% for a distance of approximately 100 feet. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T21

The skid trail proposed for use at THP Map point "T21" is an existing trail. Approximately 200 feet of this trail is located on a 50%+ slope. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50% for a distance of approximately 100 feet. The skid trail gradient is moderate as the trail descends into a temporary class 3 watercourse crossing.

Skid Trail T22

The skid trail proposed for use at THP Map point "T22" is an existing trail which is approximately 450 feet in length. Approximately 300 feet of this trail is located on a 65%+ slope. The ground below this skid trail declines toward a class 3 watercourse at a gradient in excess of 50% for a distance of approximately 100 feet. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T23

The skid trail proposed for use at THP Map point "T23" is an existing trail which is approximately 250 feet in length. Approximately 150 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T24

The skid trail proposed for use at THP Map point "T24" is an existing trail which is approximately 200 feet in length. Approximately 100 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T25

The skid trail proposed for use at THP Map point "T25" is an existing trail which is approximately 400 feet in length. Approximately 100 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T26

The skid trail proposed for use at THP Map point "T26" is an existing trail which is approximately 300 feet in length. The ground below this skid trail declines toward a class 1 watercourse at a gradient in excess of 50% for a distance of approximately 100 feet. The skid trail is located 150 to 200 feet above the watercourse. The gradient of the skid trail is gentle (<25%). The location of this trail has been marked in the field with yellow 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 skid trails which concentrate activity in the proximity of watercourses. Temporary skid crossings are minimized. 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 27a and 27f: Situation #1

Standard Rule

CCR 916.4(d) specifies that "heavy equipment shall not be used in timber falling, yarding, or hauling operations within the WLPZ unless such use is explained and justified in the THP and approved by the director".

Description of proposed practice

It is proposed to use an existing skid trail which is located within a Class 2 WLPZ. The skid trail has a gentle grade and is in good condition. This skid trail is located within the WLPZ intermittently for a distance of approximately 150 feet. The skid trail is generally located at the outer edge of the WLPZ. The zone width in this area is 50 to 75 feet.

How the proposed practice differs from the standard practice

The proposed practice would allow for the continued use of this skid trail even though a portion of this skid trail would be located within a class 2 WLPZ. The standard rule would prohibit the use of a skid trail at this location.

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

24

THP 1-98-086 MEN
Revised 4/21/97
L. SUSAN

The specific locations where the proposed rule will apply
The proposed WLPZ skid trail is located at THP map point W1.

Explanation and justification of proposed practices
The skidding pattern in this area is defined by the location of watercourses, steep slopes and existing road and landing locations. I have been over this area repeatedly and I believe the flagged route is the best skidding route because soil disturbance is minimized and the flagged skid route is located on the best ground. Use of the flagged skid 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, this skid route will be seeded and mulched at the completion of operations as specified in item 18 of this THP.

Additional information concerning Item 27a and 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 1, 2, 3, or 4 watercourses, in the WLPZ, marshes, wet meadows, and other 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 proposed practice

It is proposed to use an existing WLPZ road segment for a distance of approximately 700 feet. This WLPZ road segment leads to and from an existing temporary crossing. The crossing location has shallow approaches and is suitable for a temporary crossing.

How the proposed practice differs from the standard practice

The proposed practice would allow for the continued use of the existing haul road. The standard rule would prohibit use of this haul route since it is partially located in the WLPZ.

The specific locations where the proposed rule will apply

The WLPZ road segment is located at THP map point W2.

Explanation and justification of proposed practices

Timber to be accessed by this road segment is located on the North side of the Class 2 watercourse shown on the THP Map. The main haul road which leads from this area is located on the South side of this stream. Alternative haul routes were analyzed but not selected as being the least damaging feasible alternative because other routes would require extensive new road construction on steep slopes or less desirable watercourse crossings would have to be used. Based on my field review of feasible alternatives I have concluded that the continued 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.

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

THP 1-97-086 MEN
Revised 4/21/97
L. SUSAN

Additional Information Concerning T... 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 not present in the plan area.

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. Peregrine Falcons are known to exist in the adjacent Jack Smith Creek drainage but their specific preferred habitat type as described above is not present within 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.

The NDDDB was queried for information concerning rare species potentially within the plan area. The NDDDB listed occurrences of the following species on the Gube Mountain and Ormbaum Valley quadrangles:

Northern Spotted Owl Federal Threatened

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.

Northern Goshawk Federal Category 2

Habitat: In summer, within and in the vicinity of coniferous forests. Usually nests on North slopes, near water. Red fir, lodgepole pine, Jeffrey pine and aspens are typical nest trees per NDDDB. There are no known sightings of this species on the Galbreath Ranch. The occurrence indicated on the NDDDB is for a nest site in the Mailliard Redwoods State Reserve.

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. 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.

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

THP 1-97-086 MEN
Revised 4/21/97
L. SUSAN

The NDDB was queried for information concerning rare species potentially within the plan area. The NDDB listed occurrences of the following species on the Gube Mountain and Ornbau Valley quadrangles:

Northern Spotted Owl Federal Threatened

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.

Northern Goshawk Federal Category 2

Habitat: In summer, within and in the vicinity of coniferous forests. Usually nests on North slopes, near water. Red fir, lodgepole pine, Jeffrey pine and aspens are typical nest trees per NDDB. There are no known sightings of this species on the Galbreath Ranch. The occurrence indicated on the NDDB is for a nest site in the Mailliard Redwoods State Reserve.

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. 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.

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 No X

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.

- 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)

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 X 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.)

TABLE 1. CHANNEL INVENTORY FORM

Channel or Segment No.	<u>A</u>	___	___	___
- Class/Order	<u>1</u>	___	___	___
- Gravel embeddedness	<u>M</u>	___	___	___
- Pool Filling	<u>SL</u>	___	___	___
- Aggrading	<u>N</u>	___	___	___
- Bank Cutting	<u>SL</u>	___	___	___
- Bank Mass Wasting	<u>N</u>	___	___	___
- Down cutting	<u>N</u>	___	___	___
- Scouring	<u>N</u>	___	___	___
- Debris Clearing	<u>N</u>	___	___	___
- Debris Jamming	<u>N</u>	___	___	___
- Canopy Reduction	<u>SL</u>	___	___	___
- Recent Flooding	<u>N</u>	___	___	___

Comments:

This tributary to Rancheria Creek is in excellent condition. It is well shaded in this channel segment and is more open downstream as the watercourse passes through an oak grassland habitat. The watercourse has a moderate degree of stream channel confinement in this area and this channel segment is considered to be a sediment transportation reach. The stream is considered to be a class 1 watercourse although no fish were observed. The stream channel is 3 to 10 feet wide and has a gradient of approximately 3%. The stream substrate generally consists of cobbles. Large numbers of aquatic insects are present. Canopy is variable with an average of approximately 80% shade on the water.

MAP TO ACCOMPANY
 LAMBER HARVESTING PLAN

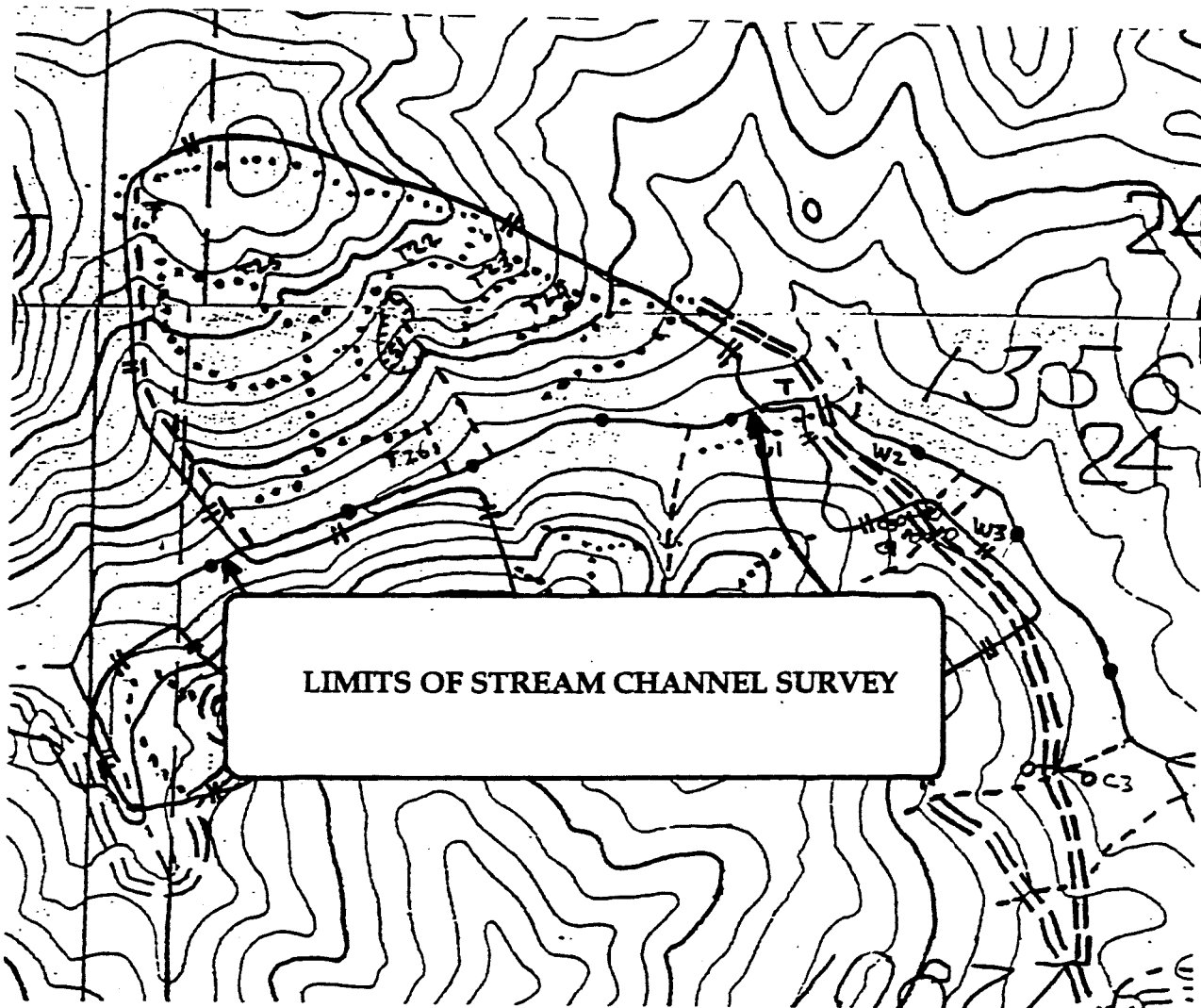
Galbreath Ranch

1997

Map Unit #1

12 N

R 13 W



LIMITS OF STREAM CHANNEL SURVEY



LEGEND:

- Plan Area Boundary
- Existing Seasonal Truck Roads == == == == ==
- Watercourses:
- Class 1 _____
- Class 2 _____
- Class 3 - - - - -
- Defined Skidding Pattern
- Temporary Watercourse Crossing T
- Points Referred to in THP text T1, T2, Etc.

- Permanent Culvert Installations:
- C1 = 18", C2 = 18", C3 = 18"
- C4 = 24", C5 = 18"
- WLPZ Landing W3
- WLPZ Skid Trail W1
- WLPZ Road Segment W2
- Slide Area S1

Map Scale is 1" = 500'

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 X or No

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

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

- 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.

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 N
2. Increased channel downcutting or bank erosion from increased flows, sediment transport, or other stream modifications? Y N
3. Additional openings along stream channels that could result in unacceptable increases in water temperatures. Y N
4. New inputs of organic debris to streams or lakes? Y N
5. Extraction of large organic debris from streams or lakes? Y N
6. Chemical inputs to streams or lakes? Y 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 L
2. The proposed project combined with the effects of past projects and the expected impacts of future projects listed in Part F? H M L

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:

	<u>Yes after mitigation</u>	<u>No after mitigation</u>	<u>No reasonably potential significant impacts</u>
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.

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 M <input checked="" type="radio"/> L N	H M <input checked="" type="radio"/> L N	H M <input checked="" type="radio"/> 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 <input checked="" type="radio"/> M L N	H M <input checked="" type="radio"/> L N	H M <input checked="" type="radio"/> L N
4. Road density.....	<input checked="" type="radio"/> H M L N	<input checked="" type="radio"/> H M L N	<input checked="" type="radio"/> H M L N
5. Presence of hardwoods	H <input checked="" type="radio"/> 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

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

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

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.

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).

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

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 include salmonid and aquatic habitat. 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 Yale Creek Rancheria Creek drainages which are tributary to 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

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
1-96-284M	171	tractor	selection, seed tree, seed tree removal
* 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.

- a) Heavy equipment operation in the WLPZ is strictly limited.
- b) No harvesting is proposed adjacent to Class 1 watercourses.
- c) Soil disturbance on steep slopes will be minimized by using existing skid trails which generally lead away from the fluvial system.
- 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. 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
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
1-96-284M	171	tractor	selection, seed tree, seed tree removal

* 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 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) The Natural Diversity Data Base
- 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.

THP 1-97-086 MEU
Revised 4/21/97
L. SUSAN

RECEIVED

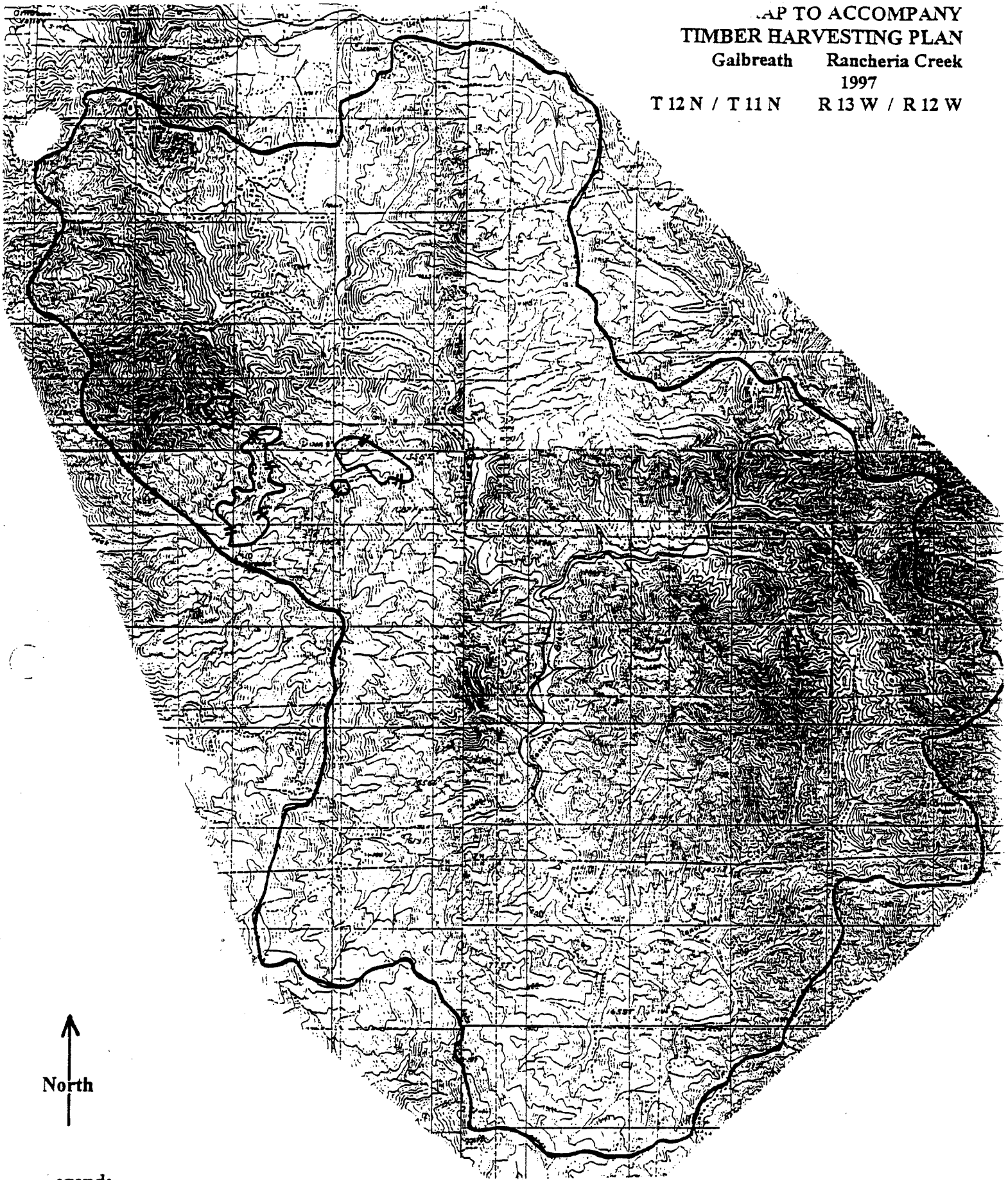
APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT


MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

Galbreath Rancheria Creek
1997

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



Legend:

CWE and Terrestrial Biological Assessment Area 

Proposed Harvest Area 

Map Scale is 1" = 4000'

TIMBER HARVEST PLAN SECTION 5

Galbreath

Hiatt

1997

Yorkville

APPENDIX A

**ADDITIONAL INFORMATION CONCERNING THE
NORTHERN SPOTTED OWL**

**Galbreath
Hiatt
1997**

Yorkville

Timber Harvest Plan

PLAN NAME Gallbreath 1997

NSO ASSIGN # _____ ORIG # _____
THP # _____

Date Referral Received by DFG: 3/10/97 Date RPF Notified: _____ Alternative Used: _____
Date Referral Received by CDF: _____ USGS Quad Name Oroville Valley

(Date Referral Received by Designated Biologist: 3/10/97 (DB fill in)) (17.5" 45")

CALIFORNIA DEPARTMENT OF FISH AND GAME
NORTHERN SPOTTED OWL CONSULTATION CHECKLIST

A1 Plan Submitter Gallbreath
Consultation Information Submitter Ausan + Wooten
Watershed/Tributaries Rancheria a + Yale Creek
Township 12N Range R13W Sections 23 + 24 County Merced

Plan Acres/Silviculture 134 - STR 96, CC27 + STSS 11

A2 Document Review Submitted _____ Needed _____ Explanation _____
Plan Description ✓ _____
Planimetric/Topographic Map ✓ _____
Habitat Map (acres/location) ✓ _____
Aerial Photos (if available) Source: WAG Series/Date: 1992 #: 30-66
NSO Location Map (1.3 Miles) ✓ Nest/Roost _____
Database (CDF Printout) ✓ Date/Results 1/31/97
(DFG Territory #) MD 216

(submit database printout with referral request and consultation checklist)
Survey Data Results No response
1/3/97, 2/4/97, 2/28/97, 3/9/97
see past calling records for set past plans

A3 Field Review
Review Participants Theodore Wooten
Adequate Review Route () no ✓ yes Date 3/10/97 Explain _____
Accurate Maps () no ✓ yes Explain _____
Accurate Habitat Mapping () no ✓ yes Explain _____
Adequate Surveys () no ✓ yes Explain _____

Habitat Characteristics 2nd growth RW, DF, TO, moderate patches of residuals.

PLAN NAME Galbreath 1997

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
See THP for adjacent plans

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) at landscape level
The area is only patches of timber in a sea of grasslands, oak woodlands, brush area is hot in summer. Forest is not continuous enough to hold NSO's

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

PLAN NAME Halbreath

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/has~~ ^{have} verified in the field the information submitted and have concluded that:

- C1 The information provided ~~is/is not~~ ^{is} sufficient to complete my evaluation.
- C2 The surveys provided to me ~~do/did not~~ 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/is not~~ suitable northern spotted owl habitat.
 - C3-2. The project area and surrounding habitat ~~has/has not~~ been adequately evaluated for the presence of northern spotted owls; ^(hypothetical forgo)
 - C3-3. The potential that undetected northern spotted owls or northern spotted owl territories exist in or near the plan ~~is/is not~~ likely; and
 - C3-4. The potential for this plan to result in the "unauthorized incidental take" of a northern spotted owl ~~is/is 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 1999. 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() ~~Does~~ does not need to be revised to minimize unauthorized incidental take.
- C5() ~~Has been~~ has been revised to minimize unauthorized incidental take, as described in the attached comments.
- C6() ~~Requires~~ requires revisions in order to minimize unauthorized incidental take, as described in the attached comments.
- C7() ~~For which~~ 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 ~~does/does not~~ ^{does} include additional pages as indicated below:

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

Signature Theodore W Wooster

Print Name Theodore W Wooster
Designated Biologist

Date Completed 3/10/97

Form Distribution:

Original
Copies

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

Spotted Owl Information

Galbreath / Rancheria Creek and Yale Creek THP 1997

Portion Sections 23, 24, T12N, R13W, MDM&B.

This THP is approximately 134 acres in size. The silvicultural method is seed tree removal 96 ac., clear-cut 27 ac. and 11 ac. seed tree seed step.

The CDF/DFG Northern Spotted Owl Data Base system was queried for known owl observations within a 1.3 mile radius of the proposed plan area. The CDF data base listed MD216 as being within 1.3 miles of the plan area. The CDF Data Base Report #2 incorrectly reports NSO activity center MD216 as being within Section 13, T12N, R13W, MDMB. NSO activity center MD 216 is actually located in Section 3, T12N, R13W, MDMB.

Owl Survey Work

Spotted owls have been called for in the vicinity of the proposed plan area on the following occasions:

- 1) On 01/30/97 Lee Susan called for spotted owls in and around the plan area using the semi-continuous cruising method from 9:45 AM to 2:30 PM. No responses were heard.
- 2) On 02/04/97 Lee Susan called for spotted owls in and around the plan area using the semi-continuous cruising method from 11:00 AM to 4:30 PM. No responses were heard.
- 3) On 02/28/97 Lee Susan called for spotted owls in and around the plan area using the semi-continuous cruising method from 9:00 AM to 4:30 PM. No responses were heard.
- 4) On 03/09/97 Curtis Tyler called for spotted owls in and around the plan area using the point method as shown on the attached map from 23:07 to 23:17. No responses were heard.

NORTHERN SPOTTED OWL DATABASE
Recorded Observation Information Request
(One plan only per each request)

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

Attn: Forest Practice

REQUESTER:

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

Phone: (707) 964-1566

Location:

Plan Name: Hiat '97
County (s): Mendocino

Legal Description of Plan Area

Tnshp 12N, Rng 13W, Sctn (s) 23
Tnshp 12N, Rng 13W, Sctn (s) 26
Tnshp 12N, Rng 13W, Sctn (s) 24
Tnshp , Rng , Sctn (s)

Legal Description of Sections within 1.3 miles of Plan Area

Tnshp 12N, Rng 13W, Sctn (s) 13; 14; 15; 16; 21; 22; 23
Tnshp 12N, Rng 13W, Sctn (s) 24; 25; 26; 27; 28; 34; 35
Tnshp 12N, Rng 13W, Sctn (s) 36; ; ; ; ; ;
Tnshp 12N, Rng 12W, Sctn (s) 18; 19; 30; ; ; ;
Tnshp , Rng , Sctn (s) ; ; ; ; ; ;

Map: Attached is a map showing the location of potential operations taken from the Usgs 7.5
minute topographic Quadrangle(s) Gube Mountain, Ornbaur, Yorkville, Bigfoot Mountain.

SIGNATURE: *Lec Susan* RPF # 2127

CDF Use Only

DATE RECEIVED:

DATE RESPONSE MAILED: JAN 31 1997

REQUEST ID NUMBER: 1271
INSORQST.4M

RECEIVED

JAN 24 1997

COASTAL AREA OFFICE
RESOURCE MANAGEMENT

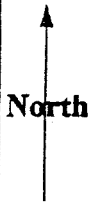
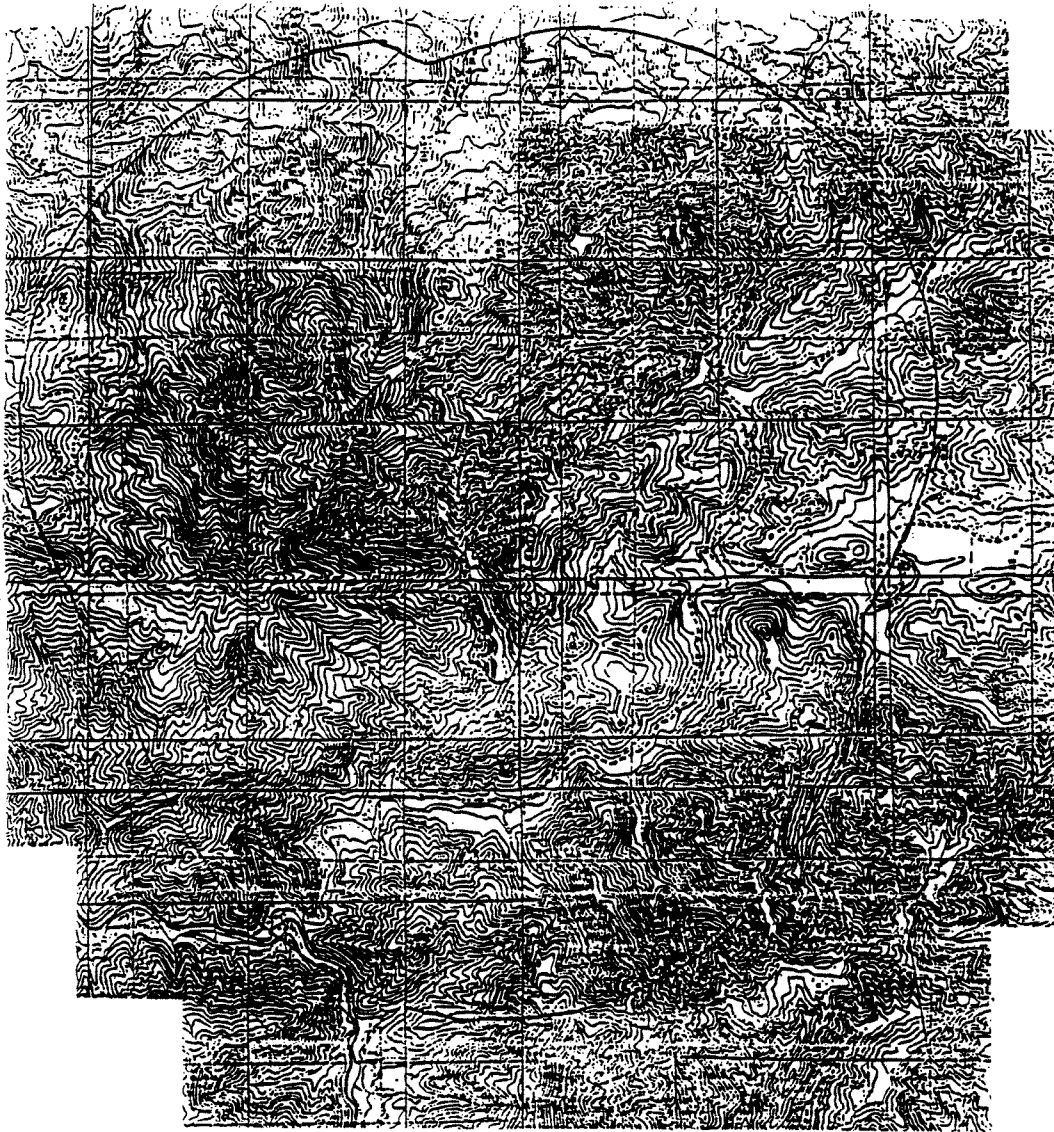
MAP TO ACCOMPANY
REQUEST FOR NORTHERN SPOTTED OWL
RECORDS CHECK

Hiat '97

1997

T 12 N

R 13&12 W



Legend: Approximate Plan Area



1.3 Mile Radius Biological Assessment Area
Map Scale is 1" : 4,000'



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

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

JANUARY 16, 1997

DATA

REPORT #1

REPORT OF AREAS SEARCHED

COUNTY	TOWNSHIP	RANGE	SECTION	TERRITORY
áááááá	áááááááá	ááááá	ááááááá	ááááááááá
MD	12N	12W	18	** NO OWLS KNOWN **
MD	12N	12W	19	** NO OWLS KNOWN **
MD	12N	12W	30	** NO OWLS KNOWN **
MD	12N	13W	13	MD216
MD	12N	13W	14	** NO OWLS KNOWN **
MD	12N	13W	15	** NO OWLS KNOWN **
MD	12N	13W	16	** NO OWLS KNOWN **
MD	12N	13W	21	** 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	28	** 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.

RPF: LEE SUSAN
RQST. NO.: 1271

#: 2127

01/31/97
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 16, 1997

DATA

REPORT #2

REPORT OF TERRITORIES FOUND

LOCALE	TWN	RNG	SECT	1/4	1/16	1/64	OWNER TYPE	OWNER	YEAR VERIFIED	TERR. KNOWN	NEST/YNG KNOWN
áááááááááááááááááá	ááá	ááá	áááá	ááá	áááá	áááá	ááááá	ááááá	áááááááááá	áááááááá	áááááááá
TERRITORY: MD216											
RANCHERIA CR	12N	13W	3	SW	NE		PVT		91 - P		-

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANTATION SHEET" DATED AFTER JANUARY 1, 1994.

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

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

JANUARY 16, 1997

REPORT #3

DATA

REPORT OF SIGHTINGS REPORTED FOR TERRITORIES FOUND

TWN	RNG	SECT	1/4	1/16	1/64	DATE SEEN	TIME SEEN	OBSERVER	NO. OF OWLS	AGE-SEX	PAIR	NO. OF YNG
ááá	ááá	áááá	ááá	áááá	áááá	áááááááá	áááááá	áááááááááááááááá	áááá	áááá	áááá	ááá
TERRITORY: MD216												
12N	13W		3			11/29/90		0 WOOSTER	0			0
12N	13W		3			12/01/90		0 WOOSTER	0			0
12N	13W		3			12/28/90		0 WOOSTER	0			0
12N	13W	3 SW		NE		04/22/91		0 WOOSTER	2	UMUF	Y	0
12N	13W	3 SW		NE	E	05/01/91		0 WOOSTER	2	UMUF	Y	0
12N	13W	3 SW		NE	E	05/15/91		0 WOOSTER	1	UM		0
12N	13W	3 SW		NE	E	05/22/91		0 WOOSTER+	1	UM		0
12N	13W	3 SW		NE		05/22/91		0 WOOSTER+	2	UMUF	Y	0
12N	13W		3			06/01/91		0 WOOSTER	2	UMUF	Y	0
12N	13W	3 SE		NW	CW	06/04/91		0 WOOSTER	2	UMUF	Y	0
12N	13W		3			06/07/91		0 WOOSTER	1	UF		0
12N	13W		3			07/03/91		0 WOOSTER	0			0
12N	13W	3 SW		NE	E	07/17/91		0 WOOSTER	2	UMUF	Y	0
12N	13W		3			07/26/91		0 WOOSTER	2	UMUF	Y	0
12N	13W	3 SW		NE		09/27/91		0 WOOSTER	1	UU		0
12N	13W	13				10/22/91		0 WOOSTER	1	UM		0
12N	13W	3 SW		NE		11/05/91		0 WOOSTER	1	UF		0
12N	13W		3			12/13/91		0 WOOSTER	0			0
12N	13W	3 SW		NE		12/26/91		0 WOOSTER	1	UM		0
12N	13W		3			03/27/92		0 WOOSTER	0			0

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANTATION SHEET" DATED AFTER JANUARY 1, 1994.

NOTE

Information concerning archeological sites has been removed from this THP, 1-97-086 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

Hiatt

1997

Yorkville

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

STATE OF CALIFORNIA
BOARD OF FORESTRY

IL FACTORS				FACTOR RATINGS 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	
2. PERMEABILITY	Slow	Moderate	Rapid			
Rating	5-4	3-2	1	3	3	

B. DEPTH TO RESTRICTIVE LAYER OR BEDROCK

	Shallow	Moderate	Deep			
	1"-19"	20"-39"	40"-60" (+)			
Rating	15-9	8-4	3-1	6	6	

C. PERCENT SURFACE COARSE FRAGMENTS GREATER THAN 2 MM IN SIZE INCLUDING ROCKS OR STONES

	Low	Moderate	High				FACTOR RATING BY AREA		
	(-) 10-39%	40-70%	71-100%				A	B	C
Rating	10-6	5-3	2-1	9	9				
SUBTOTAL							35	35	

II. 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	10	18	

III. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE

	Low	Moderate	High			
	0-40%	41-80%	81-100%			
Rating	15-8%	7-4	3-1	6	5	

IV. 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	
TOTAL SUM OF FACTORS					63	70	

EROSION HAZARD RATING

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

THE DETERMINATION IS

Summit Forestry

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

03/10/97

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

Dear Mr. Galbreath,

Pursuant to item "13 a" 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. Stocking requirements in areas designated as clear-cut will be met by planting Douglas-fir and redwood seedlings as necessary to meet statutory stocking requirements.

2) The State of California requires that erosion control structures be maintained. Primarily, this would include but is not limited to 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.

year and support aquatic vegetation, grasses and fords as their principal vegetative cover.

NOTE: Authority cited: Sections 4526, 4551, 4551.5 and 4553, Public Resources Code. Reference: Sections 4526 and 4561, Public Resources Code.

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.
8. Repealer of "Co-dominant," "Dominant," "Lake," "Logging Area," "Seed Tree," "Skidding or Yarding," "Skid trails," "Tractor roads" and "Waterbreak" filed 1-7-94; operative 3-1-94 (Register 94, No. 1).
9. Pacific Yew under "Commercial species" repealed by operation of Government Code section 11346.1 (Register 94, No. 20).

¹All 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), Mattole 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), Scotty 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. The site occupancy provided by Group A species shall not be reduced relative to

Group B species. When considering site occupancy, the Director shall consider the potential long term effects of relative site occupancy of Group A species versus Group B species as a result of harvest. If Group A species will likely recapture the site after harvest, Group B species do not need to be reduced. The time frames for recapturing the site shall be consistent with achieving MSP. The Director may prohibit the use of Group A and/or B commercial species which are non-indigenous or are not physiologically suited to the area involved. Exceptions may be approved by the Director if the THP provides the following information and those exceptions are agreed to by the timberland owner:

(1) Explain and justify with clear and convincing evidence how using Group A nonindigenous, or Group B species to meet the resource conservation standards will meet the intent of the Forest Practice Act as described in PRC Section 4513. The discussion shall include at least:

(A) the management objectives of the post-harvest stand;
(B) a description of the current stand, including species composition and current stocking levels within the area of Group B species. The percentage can be measured by using point-count, basal area, stocked plot, or other method agreed to by the Director.

(C) the percentage of the post-harvest stocking to be met with Group B species. Post harvest percentages will be determined on the basis of stocked plots. Only the methods provided by 14 CCR 1070-1075 shall be used in determining if the standards of PRC Section 4561 have been met.

(D) a description of what will constitute a countable tree, as defined by PRC Section 4528 for a Group B species and how such a tree will meet the management objectives of the post-harvest stand.

The Director, after an initial inspection pursuant to PRC Section 4604, shall approve use of Group B species, as exceptions to the pre-harvest basal area percentage standard, if in his judgement the intent of the Act will be met, and there will not be an immediate significant and long-term impact to the natural resources of the state.

NOTE: Authority cited: Sections 4551, 4553 and 4561.1, Public Resources Code. Reference: Sections 4561 and 4561.1, Public Resources Code.

HISTORY

- 1. New NOTE filed 2-21-79 as procedural and organizational; effective upon filing (Register 79, No. 9).
2. Editorial correction filed 12-2-82 (Register 82, No. 49).
3. Editorial correction filed 8-29-84; effective thirtieth day thereafter (Register 84, No. 35).
4. Amendment filed 9-9-88; operative 10-9-88 (Register 88, No. 38).
5. Amendment of subsection (c) and (c)(1) filed 1-7-94; operative 3-1-94 (Register 94, No. 1).
6. Amendment of subsection (c) filed 5-16-94; operative 5-16-94 (Register 94, No. 20).

§ 912.8. Progeny, Clonal, or Provenance Testing Stocking Standard Exemption.

Pursuant to PRC 4561.7, the following standards shall apply to the request for an exemption from the stocking standards of the Act for progeny, clonal, or provenance testing.

(a) Any THP submitted pursuant to Section 4561.7 of the Public Resources Code shall include the following information, in addition to other requirements of the rules of the Board.

- (1) A specific request for an exemption from stocking standards; and
(2) A description of the testing to be conducted on the site.

(b) The exemption from stocking shall become effective upon the Director's determination that the timber harvesting plan is in conformance with the rules and regulations of the Board.

NOTE: Authority cited: Sections 4551 and 4561.7, Public Resources Code. Reference: Sections 4561.7 and 4582.75, Public Resources Code.

HISTORY

- 1. New section filed 12-11-86; effective thirtieth day thereafter (Register 86, No. 50).

§ 912.9. Cumulative Impacts Assessment Checklist.

STATE OF CALIFORNIA
BOARD OF FORESTRY
CUMULATIVE IMPACTS ASSESSMENT

(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 ___ No ___

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

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

Yes ___ 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?

Table with 3 columns: Resource Subject, Yes after mitigation (a), No after mitigation (b), No reasonably potential significant effects (c). Rows include Watershed, Soil Productivity, Biological, Recreation, Visual, Traffic, and Other.

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

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 the 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 this determination. 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.

(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.

BOARD OF FORESTRY
TECHNICAL RULE ADDENDUM NO. 2
CUMULATIVE IMPACTS ASSESSMENT

Introduction

The purpose of this addendum is to guide the assessment of cumulative impacts as required in 14 CCR 898 and 1034 that may occur as a result of proposed timber operations. This assessment shall include evaluation of both on-site and off-site interactions of proposed project activities with the impacts of past and reasonably foreseeable future projects.

In conducting an assessment, the RPF must distinguish between on-site impacts that are mitigated by application of the Forest Practice Rules and the interactions of proposed activities (which may not be significant

Summit Forestry

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

03/10/97

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

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 include, but is not limited to, field work in identifying watercourse and lake protection zones or special treatment areas, marking trees, or other activities. The RPF is only responsible for the activities set forth in the plan when employed for that purpose, or required by the rules of the Board.

- (b) In writing, inform the plan submitter(s) of their responsibility pursuant to Section 1035 of this Article, and the timberland owner(s) of their responsibility for compliance with the requirements of the Act and where applicable, Board rules regarding site preparation, stocking, and maintenance of roads, landings, and erosion control facilities.

NOTE: Authority cited: Sections 4551 and 4552, Public Resources Code. Reference: Sections 4583.2 and 4583.5, 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 Registers 88, No. 32 and 79, No. 44.

§ **1035.2. Interaction Between RPF and LTO.**

From the start of the plan preparation process but before commencement of operations, the responsible RPF or supervised designee familiar with on-site conditions, shall meet with either the LTO, or supervised de-

signee, who will be on the ground and directly responsible for the harvesting operation. The meeting shall be onsite if requested by either the RPF or LTO. If any amendment is incorporated to the plan by an RPF after the first meeting, the RPF shall comply with the intent of this section by explaining relevant changes to the LTO; if requested by either the RPF or LTO, another on-site meeting shall take place.

The intent of any such meeting is to assure that the LTO:

- (a) Is advised of any sensitive on-site conditions requiring special care during operations.
- (b) Is advised regarding the intent and applicable provisions of the approved plan including amendments.

NOTE: Authority cited: Sections 4551 and 4552, Public Resources Code. Reference: Sections 4581 and 4582, 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 Registers 88, No. 32 and 79, No. 44.

§ **1035.3. Licensed Timber Operator Responsibilities.**

Each Licensed Timber Operator shall:

- (a) Inform the responsible RPF or plan submitter, either in writing or orally, of any site conditions which in the LTO's opinion prevent implementation of the approved plan including amendments.
 - (b) Be responsible for the work of his or her employees and familiarize all employees with the intent and details of the operational and protection measures of the plan and amendments that apply to their work.
 - (c) Keep a copy of the applicable approved plan and amendments available for reference at the site of active timber operations.
 - (d) Comply with all provisions of the Act, Board rules and regulations, the applicable approved plan and any approved amendments to the plan.
- NOTE: Authority cited: Sections 4551, 4552 and 4571, Public Resources Code. Reference: Sections 4528.5 and 4571, Public Resources Code.

HISTORY

1. New section filed 9-26-89; operative 10-26-89 (Register 89, No. 40).

§ **1035.4. Notification of Commencement of Operations.**

Each calendar year, within fifteen days before, and not later than the day of the startup of a timber operation, the Timber Harvesting Plan Submitter, unless the THP identifies another person as responsible, shall notify CDF of the start of timber operations. The notification, by telephone or by mail, shall be directed to the appropriate CDF Ranger Unit Headquarters, Forest Practice Inspector, or other designated personnel.

NOTE: Authority cited: Sections 4551, 4551.5, 4553 and 4604, Public Resources Code. Reference: 4551, 4551.5 and 4582, Public Resources Code.

HISTORY

1. New section filed 7-28-88; operative 8-27-88 (Register 88, No. 32).

§ **1036. Deviations.**

(a) "Minor deviations" means any change, minor in scope, in a plan which can reasonably be presumed not to make a significant change in the conduct of timber operations and which can reasonably be expected not to significantly adversely affect timberland productivity or values relating to soil, water quality, watershed, wildlife, fisheries, range and forage, recreation, and aesthetic enjoyment.

(b) All other changes are presumed to be substantial deviations because they could significantly affect the conduct of timber operations and potentially could have a significant adverse affect on timber productivity or values relating to soil, water quality, watershed, wildlife, fisheries, range and forage, recreation, and aesthetic enjoyment. Such actions include, but are not limited to:

- (1) Change in location of timber harvesting operations or enlargement of the area to be cut.
- (2) Change in the silvicultural method and cutting system on any portion of the plan area.
- (3) Change in type or location of logging (yarding) system or basic type of equipment.
- (4) Change in location, nature or increase in length of proposed logging roads incorporating one or more of the following criteria:
 - (A) Any road in the Stream Protection Zone or where sidecast will extend into the Stream Protection Zone.

NOTICE OF INTENT TO HARVEST TIMBER

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: 4/1/97

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: 3/17/97

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 RFF#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 23, 24, T12N, R13W, MDB&M. Mendocino County

The plan area is approximately 3 miles southwest of Yorkville.

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

Yale Creek is approximately 300 feet downslope from the plan area.

6. Acres proposed to be harvested: 134 ac.

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

clear-cut, seed tree seed step and seed tree removal

8. Is there a known overhead power line, except lines from transformers to service panels, within the plan area?

Yes No

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

FOR DEPARTMENT USE ONLY

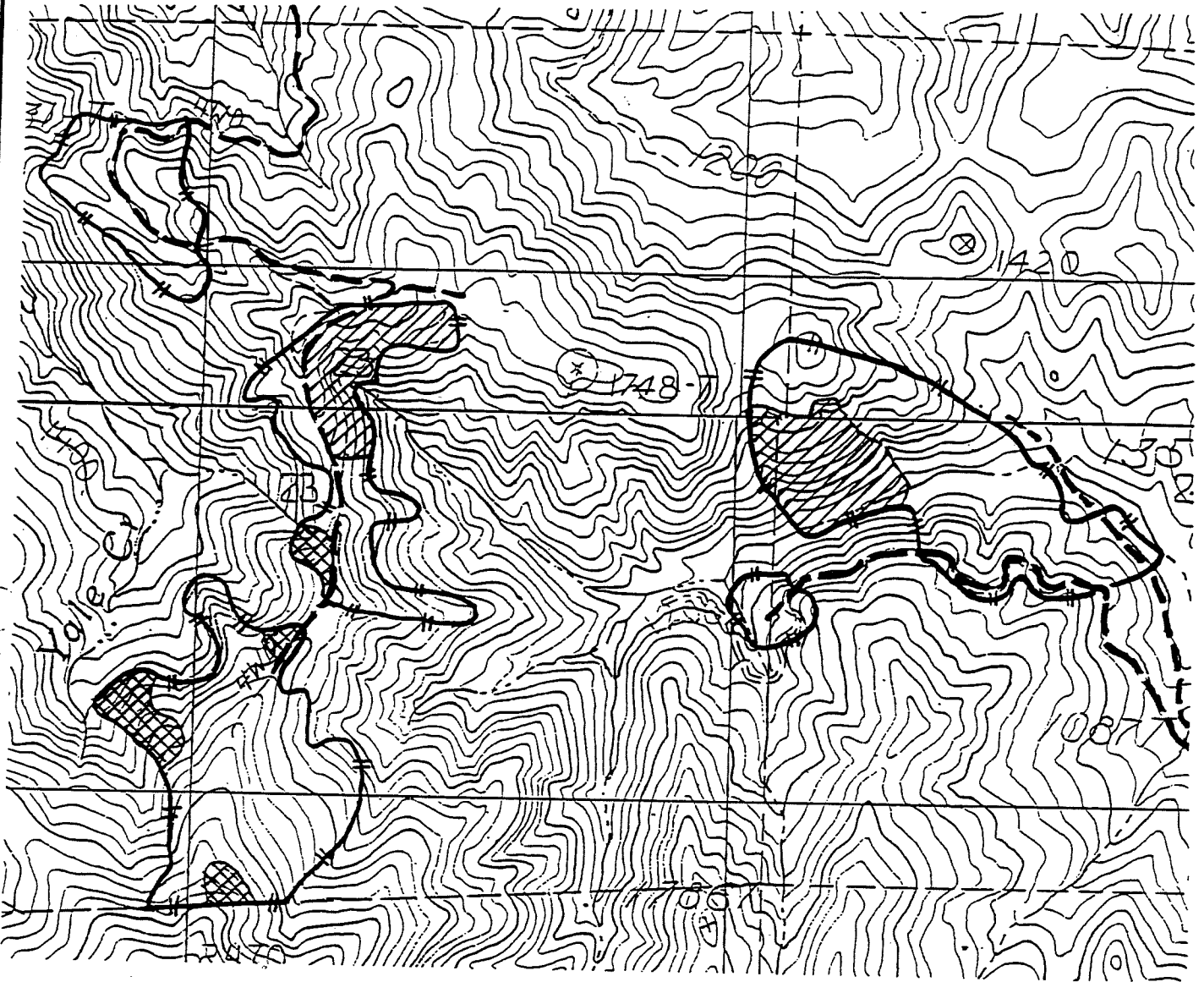
TIMBER HARVESTING PLAN NO. _____ DATE OF RECEIPT _____

January 1, 1996 (Coast)

**MAP TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Ranch
1997**

T 12 N

R 13 W



LEGEND:

- Plan Area Boundary
- Silvicultural Methods:
 - Clear-Cut
 - Seed Tree Seed Step
 - Seed Tree Removal (all not shown otherwise).....
- Seasonal Haul Roads

Map Scale is 1" = 1000'

Timberland is considered to be Site Class 4

ADJACENT OWNER INFORMATION IN MAILING LABEL FORMAT

Bickell, Thomas E.
153 N. Main St.
Fort Bragg, CA 95437

Foppiano, Louis & Della TTEES et all
P.O. Box 606
Healdsburg, CA 95448

PROOF OF PUBLICATION

(2015.5 C.C.P.)

STATE OF CALIFORNIA
COUNTY OF MENDOCINO

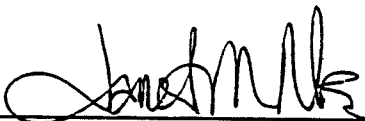
I am a citizen of the United States and a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of the Ukiah Daily Journal, a newspaper of general circulation, printed and published 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-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

Feb 9

all in the year 1997.

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

Dated at Ukiah, California, this 19 day of Feb, 1997.



Legal Clerk.

This space is for the County Clerk's Filing Stamp

Proof of Publication of:

Timber Harvest Plan

PUBLIC NOTICE
073-97
A Timber Harvest Plan is being prepared in the Tale Creek and Rancheria Creek drainages. The legal description for the area where timber harvesting is to occur is as follows: portion Section 23, 24, 25, T12N, R13W, S14, D.B.M. Information is being requested concerning the presence of domestic water supplies which use this water course as their source. Please provide any pertinent information within 10 days from the date of this publication to: Summit Forestry, 16575 Franklin Road, Fort Bragg, CA. 95437.

Summit Forestry

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

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

RECEIVED

March 31, 1997

APR 07 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

Dear Staff,

I am writing to provide additional information concerning THP 1-97-086 MEN which was requested in your letter dated 3/24/97.

- 1) Please see enclosed revised THP Map which shows the location skid trails which exceed the standard rules
- 2) Continued use of existing skid trails as proposed was evaluated in comparison to cable yarding which was determined to be the most probable alternative harvest method. Significant new road construction would be required to access the entire area for cable yarding. Continued use of existing trails which do not funnel toward the fluvial system is considered to be a more beneficial alternative than cable yarding and the new road and landing construction which would be required. Justification for the proposed practice is that the proposed practice is the least damaging feasible alternative when considered at this point in time.
- 3) All WLPZ's are flagged and marked. I believe 14CCR916.5(e)(A) is correctly stated under THP item 26.
- 4) No other owners are located within 1000 feet downstream so no letters were sent. A notice was published in the newspaper.
- 5) Potential coho salmon habitat onsite includes one class 1 stream segment. Harvesting is limited near watercourses to protect the water resource. Salmonids, if present in this stream, system would benefit from watercourse protection measures incorporated in the THP and FPA. The following practices limit, temperature, sediment and large woody debris impacts to the fluvial system:
 - a) Temperature impacts are addressed by maintaining shade canopy over Class 1 and Class 2 watercourses.
 - b) Future supplies of large woody debris will remain available as a result of the retention of large conifer timber in the WLPZ along streams.

PART OF PLAN

- c) Sediment inputs are minimized by
 - A) Use of waterbreaks, mulching and other erosion control measures.
 - B) Minimizing WLPZ activities
 - C) Foregoing winter operations.
 - D) Limiting use of tractors on steep slopes and other areas which characteristically have high sediment delivery ratios.
 - E) Prohibition of broadcast burning and other disruptive site preparation practices

Possible off site impacts from the proposed harvesting operation include, stream channel morphology changes as a result of increased sediment loads, increased stream temperatures resulting from reduced shade canopy and toxic inputs to the fluvial system which could adversely affect salmonid habitats or their populations. Adverse impacts as described above are not likely to occur because mitigations incorporated in the proposed THP and current regulations governing timber harvesting include restrictions on shade canopy reduction, and prohibit significant inputs of sediment or other contaminants into the fluvial system.

Sincerely yours,



Lee Susan
Forester #2127

RECEIVED

APR 07 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

PART OF PLAN

Summit Forestry

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

UNIT,FG,WQ

4-24-97

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

April 21, 1997

Dear Staff,

I am writing to respond to the review team chairmen's recommendations for THP 1-97-086 MEN.

- 1) This is not a mitigation measure or a recommendation so no response is provided.
- 2) A revised copy of THP page 15 which shows the location of a wet area at CDF PHI Map Point "P4" is enclosed for your use.
- 3) The LTO may develop a water hole at CDF PHI Map Point "P4" if necessary and if water of sufficient quantity is available at this location during the period of operations.
- 4) Accepted
- 5) The unstable area is shown on the THP Map on page 16. Instructions to avoid this area are included in the revised THP text.
- 6) Accepted.
- 7) Accepted.
- 8) Accepted.
- 9) Accepted.
- 10) Accepted.
- 11) Accepted.
- 12) Accepted.
- 13) Accepted.
- 14) Accepted.
- 15) Accepted.

PART OF PLAN

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

- 16) Accepted
- 17) Accepted.
- 18) Accepted.
- 19) Accepted.
- 20) Accepted.
- 21) Accepted.
- 22) Accepted
- 23) The listed LTO is responsible for road construction, road reconstruction and maintenance.
- 24) Accepted.
- 25) Accepted.
- 26) Not Accepted. There are no class 1 watercourses located in the plan area
- 27) Accepted.
- 28) Accepted.
- 29) A non-winter period wet weather operating plan for this THP will be as follows:
At any time of year, erosion control features will be installed prior to the end of the day on all tractor roads, landings, and unsurfaced logging roads appurtenant to this THP when the U.S. Weather Service Forecast is 30% or more chance of rain and when it is also announced by the U.S. Weather Service Forecast that over 1 inch of rainfall is expected in a 24 hour period. Erosion control features to be implemented will include the breaching of berms, installing key water breaks and other measures necessary to minimize sediment discharge into the fluvial system.
- 30) A 25 foot ELZ will be utilized adjacent to class 3 watercourses where slopes are under 30%. A 50 foot ELZ will be utilized adjacent to class 3 watercourses where slopes are over 30%. Only trails flagged and mapped by the RPF will be used in the ELZ.

Sincerely yours,



Lee Susan
Forester #2127

PART

OF

FILED

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

REVIEW TEAM CHAIRMAN'S RECOMMENDATIONS FOR TIMBER HARVESTING
PLAN OR AMENDMENT NO.: 1-97-086 MEN

DATE: April 17, 1997

PAGE: 1

Approval is recommended with the following mitigation measures:

1. The RPF must respond to the Second Review Team Recommendations prior to the THP being forwarded to National Marine Fisheries Service (NMFS) for their review of coho salmon protection measures. Responses shall include revised THP pages, including maps, to reflect changes made and recommended during review of the THP.
2. The RPF shall add the wet area at CDF PHI Map Point P-4.
3. The LTO shall develop a water hole to be used as a water drafting point for road dust abatement at the wet area being added to the THP at CDF PHI Map Point P4.
4. The LTO shall continue his historical Galbreath Ranch practice of securing his water for dust abatement from Rancheria Creek's underground flow - under a 1603 series DF&G permit. This permit shall be made part of the THP by submittal of a minor deviation prior to any drafting of water.
5. Prior to THP approval, the RPF shall add the shall debris flow to the THP map at CDF PHI Map Point P-12 (On THP Map Unit 2). The RPF shall also change the THP to state that the LTO shall not operate on this slide.
6. The RPF shall add the verbiage which instructs the LTO to install a rock armored energy dissipator at the outlet end of the existing 24" culvert at CDF PHI Map Point P-2.
7. The RPF shall add the 18" X 30' culvert at CDF PHI Map Point P- 11.
8. Although the RPF has added CDF PHI Map Point P-5 to the map on THP page 17 (rev. 4/14/97), the RPF shall add LTO instructions to Section II stating that the fill material at the outlet end of the existing culvert shall be removed and a downspout installed. A backhoe will be needed to accomplish this task.

PART OF PLAN

I agree to the above mitigation measures.

Date

RPF's Signature

RPF's Typed or Printed Name

RECEIVED
APR 21 1997
RESOURCE MANAGEMENT

REVIEW TEAM CHAIRMAN'S RECOMMENDATIONS FOR TIMBER HARVESTING
PLAN OR AMENDMENT NO.: 1-97-086 MEN

DATE: April 17, 1997

PAGE: 2

Approval is recommended with the following mitigation measures:

9. The RPF shall map the existing culvert at CDF PHI Map Point P-9 as field flagged and add LTO instructions stating that the 18-inch culvert will have a 10- foot extension and downspout installed to avoid draining onto fill material.
10. Although the RPF has added CDF PHI Map Point P-10 to revised THP page 17 (rev. 4/14/97), the RPF shall provide LTO instruction in THP Section II for installing a permanent 18" X 30' culvert at the pre-flagged Class III crossing.
11. Although the RPF re-mapped (THP page 15, rev. 4/14/97) the major watercourse in THP Map Unit 1 as a Class II, not a Class I, watercourse, the RPF shall make appropriate THP text changes reflecting its Class II status and the absence of all Class I from the THP area.
12. The RPF shall delete all THP references to original landing W-3 as a WLPZ facility, but to protect the downstream coho habitat the LTO, upon completion of operations and before the first winter period, shall seed and mulch this landing according to the specifications outlined by THP Item #18, i.e., the RPF shall include revised THP language that this W-3 non-WLPZ landing will be seeded and mulched.
13. To protect coho habitat, the RPF shall retain/add THP LTO instructions stating the realigned skid trail, W1 (THP page 15, rev. 4/14/97) will be seeded and mulched at all locations where the skid trail is located in the WLPZ or within 100 ft. of the actual WLPZ boundary.
14. The RPF shall change THP Item #32 to "Yes" because there is habitat for both Northern Spotted Owl and coho salmon ESU within this plan area.

PART OF THE PLAN

I agree to the above mitigation measures.

Date

RPF's Signature

RPF's Typed or Printed Name

RECEIVED
APR 21 1997
RESOURCE MANAGEMENT

REVIEW TEAM CHAIRMAN'S RECOMMENDATIONS FOR TIMBER HARVESTING
PLAN OR AMENDMENT NO.: 1-97-086 MEN

DATE: April 17, 1997
PAGE: 3

Approval is recommended with the following mitigation measures:

15. The RPF shall further revise THP page 18 (last revised 4/14/97), as he has incorrectly located CDF PHI Map Points P-11 and P-12.
16. Although the RPF has responded to several CDF PHI recommendations in his 4/14/97 letter to CDF Coast Cascade Region Office, these responses need to be incorporated into appropriate THP pages, especially for clear LTO guidance. If Second Review Team Recommendations further correct or supersede the 4/14/97 responses, these recommendations shall also be incorporated into the body of the THP.
17. To minimize sidecast downslope toward watercourses, all yarding operations conducted by the LTO on slopes greater than 65% and slopes greater than 50% which lead without flattening as mapped on 4/3/97 revised THP map Pages 15, 16, and 17, shall be conducted using a D-6D Caterpillar tractor or a smaller rated caterpillar tractor. If equipment manufactured by a different company is used, this yarding equipment shall also be rated equivalent to a D-6D tractor or it shall be lower rated.
18. To stop the movement of fill from the THP designated T-1 skid trail into the downslope Class III, before the first winter period following operations, the LTO shall pull back the perched fill portion of this existing skid trail and re-establish the slope's contour. The soil from the skid trail's edge can be deposited against the slope. An excavator may be required to do this work and put this skid trail to bed (i.e., abandon per 14 CCR 923.8).
19. As flagged during the PHI and to stabilize the road at CDF PHI Map Point P-8(C), the LTO shall stabilize the outside edge of the road fill by using an extendo-hoe or excavator to "key-in" place at least two solid redwood logs into the outside edge of the road to armor the fill. These two logs shall be cabled together to provide support for the inside turn.

PART OF PLAN

I agree to the above mitigation measures.

Date

RPF's Signature

RPF's Typed or Printed Name

RECEIVED
APR 21 1997
RESOURCE MANAGEMENT

**REVIEW TEAM CHAIRMAN'S RECOMMENDATIONS FOR TIMBER HARVESTING
PLAN OR AMENDMENT NO.: 1-97-086 MEN**

DATE: April 17, 1997

PAGE: 4

Approval is recommended with the following mitigation measures:

20. To protect downslope coho salmon habitat, prior to the first winter period after operations the LTO shall outslope and waterbar to a High EHR, the two sections of road between CDF PHI Map Point P-7A to P-7B and P-8A to P-8B. In addition, all organic debris and perched fill material along the outside edge of these road sections shall be pulled back and either graded in the road's surface or endhauled to stable deposit sites (all fill and organic debris in the fill material). Any additional road widening needed for hauling across these two road sections shall be constructed full bench without sidecasting. The intent of this section is to bring these two relatively new ranch roads into conformance with 14 CCR 923.2 and prevent erosion.
21. The LTO shall complete operations along the WLPZ road and skid trail at THP designated areas W-1 and W-2 before October 15 of any year of timber operations.
22. The Northern Spotted Owl No-Take Certification shall be effective until the start of breeding season (March 1) 1999. 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.
23. The administering RPF shall designate the LTO(s) responsible for roads and landings reconstruction, construction, and maintenance in the THP area(s) and on appurtenant road(s); this action shall be in the form of a minor deviation (14 CCR 1040) submitted in writing to the Director prior to any road and landing reconstruction, construction, and maintenance. If multiple LTO's are listed, their responsibilities shall be defined in the minor deviation. If the RPF on the THP does not have the authority under THP Item #13 c) to submit minor deviations (commonly called "minor amendments"), the Plan Submitter shall be responsible for accomplishing this mitigation measure.

PART
OF

OF

I agree to the above mitigation measures.

Date

RPF's Signature

RPF's Typed or Printed Name

RECEIVED
APR 21 1997
RESOURCE MANAGEMENT

REVIEW TEAM CHAIRMAN'S RECOMMENDATIONS FOR TIMBER HARVESTING
PLAN OR AMENDMENT NO.: 1-97-086 MEN

DATE: April 17, 1997

PAGE: 6

Approval is recommended with the following mitigation measures:

27. To prevent significant movement of soil into the Class II watercourses, all WLPZ areas of exposed mineral soil (excluding tractor roads) equal to or greater than 100 contiguous square feet and created by timber operations, shall be stabilized with a minimum of 90% coverage of either mulch or slash 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.
28. To protect and improve coho salmon habitat at CDF PHI designated Point P-1, the LTO shall realign (straighten out) the Class II watercourse channel and armor the road's edge with logs or large rocks. See the attached diagram. A CDF&G 1603 Agreement shall be secured and made part of the THP via minor deviation prior to operations.
29. To protect coho habitat, the RPF shall add a wet weather operating plan to the THP prior to the Director's decision date. This wet weather plan shall ensure road/skid trail drainage during non-winter period wet weather storm events. A significant wet weather event is defined as 1/2 inch or more of rain forecast in a 24 hour period.
30. The CDF PHI Maps 1 through 4 and the CDF PHI sketch diagram to accompany Second Review Team Recommendation #28 (CDF PHI Recommendation #2) shall be made part of the plan as a reference to many of the above recommendations with CDF PHI map points. The RPF shall submit the attached CDF PHI maps and sketch diagram to CDF - Santa Rosa, along with his responses to Second Review Team Recommendations.

Suggestion: To provide significant erosion prevention relative to maintenance, subsequent to CDF approval of the work completion report for this {THP/NTMP}, the prescribed maintenance period for erosion control drainage facilities and structures on landings, tractor roads, and appurtenant logging roads, not proposed for abandonment pursuant to 14 CCR 923.8, should be for three years. Note: The timberland owner is encouraged to permanently maintain these erosion control drainage facilities and structures.

I agree to the above mitigation measures.

Date

RPF's Signature

RPF's Typed or Printed Name

RECEIVED

APR 21 1997

RESOURCE MANAGEMENT

TIMBER HARVESTING PLAN

1-97-086 MEN W/2 MAP L

Galbreath Ranch

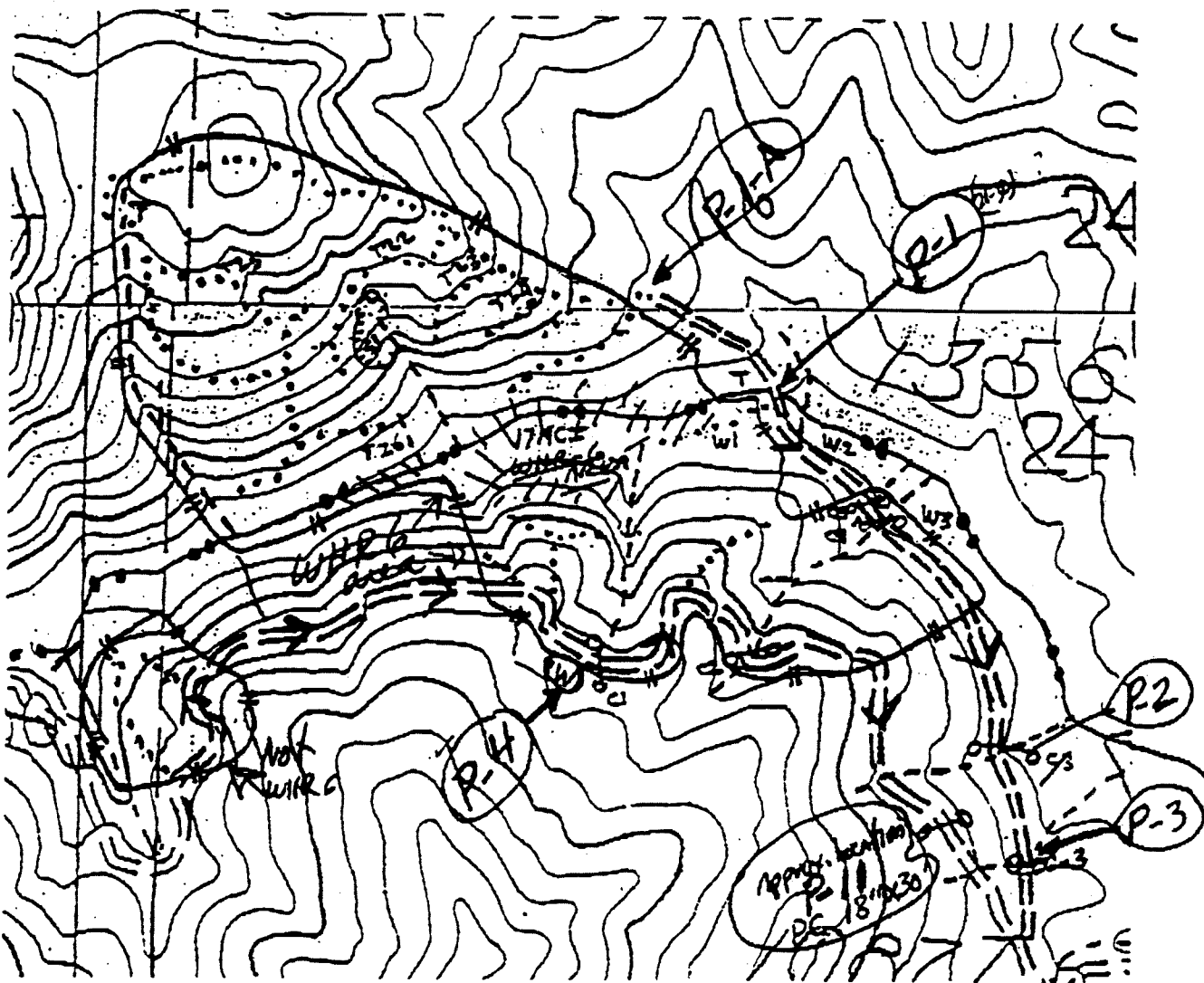
4/21/97 M. Pyorres

1997

Map Unit #1

T 12 N

R 13 W



Approx location 40 RR Falls



THP 1-97-086 MEN
Add to plan as page 18.1
L. SUSAN 4/21/97

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

LEGEND:

- Plan Area Boundary (dotted line)
- Existing Seasonal Truck Roads == == == == == (double lines)
- Watercourses:
 - Class 1 _____ (solid line)
 - Class 2 _____ (dashed line)
 - Class 3 _____ (dotted line)
- Defined Skidding Pattern (dotted line)
- Temporary Watercourse Crossing T (T symbol)
- Points Referred to in THP text T1, T2, Etc. (T symbols)

- Permanent Culvert Installations:
 - C1 = 18", C2 = 18", C3 = 18"
 - C4 = 24", C5 = 18"
 - WLPZ Landing W3
 - WLPZ Skid Trail W1
 - WLPZ Road Segment W2
 - Slide Area S1

Map Scale is 1" = 50'

PART OF PLAN

11007-00711011-8-A

Galbreath Ranch

1997

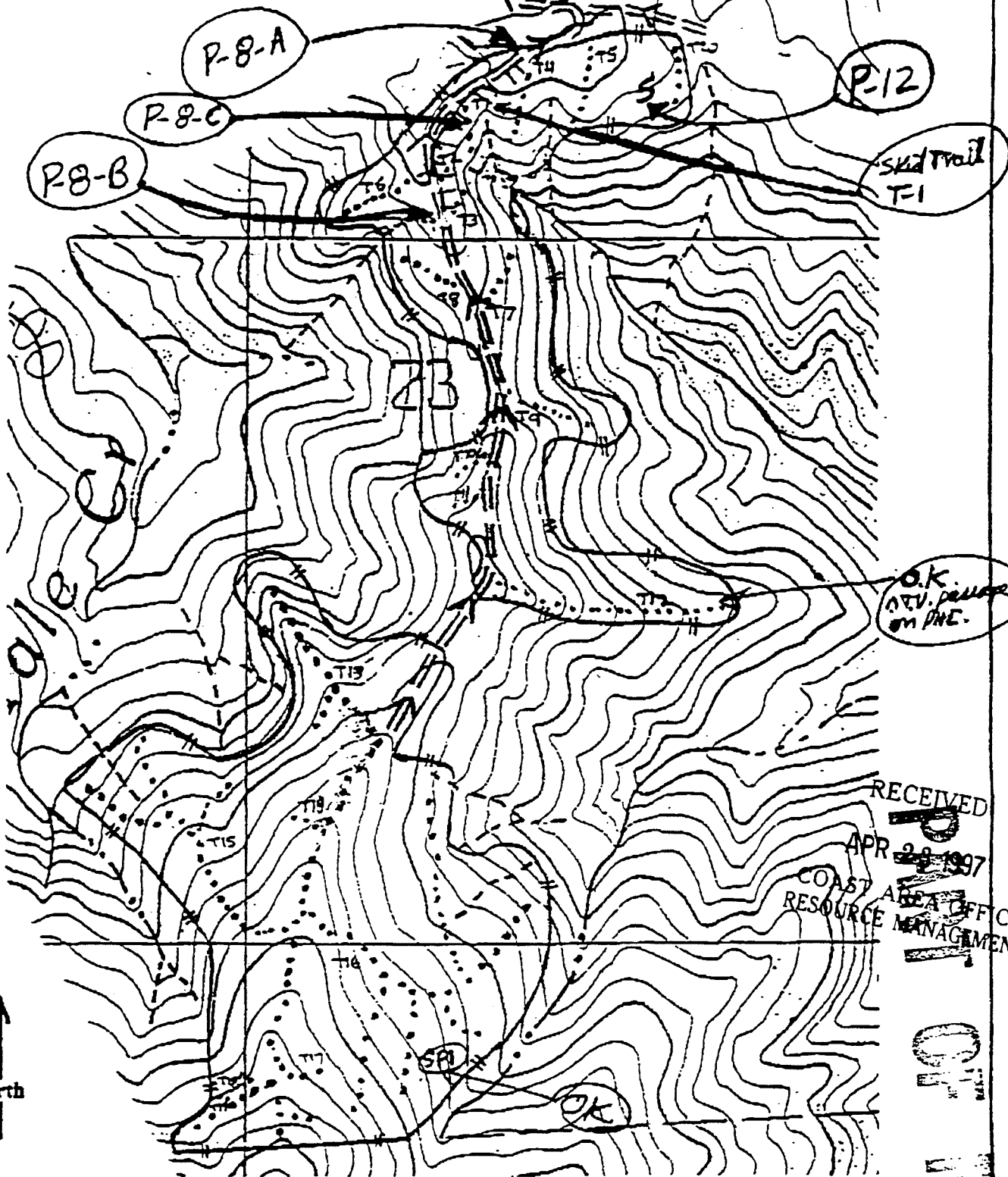
MAP 2 4/21/97

Map Unit #2 (P-8-B)

M. MORRIS

R 13 W

T 12 N



LEGEND:

- Plan Area Boundary
- Existing Seasonal Truck Roads
- Watercourses:
 - Class 2
 - Class 3

- Points Referred to in THP text T1, T2, Etc.
- Temporary Watercourse Crossing T
- Defined Skidding Pattern
- SPRING = SPI

Map Scale is 1" = 500'

RECEIVED
 APR 28 1997
 COAST AREA OFFICE
 RESOURCE MANAGEMENT

OF
 PLAN

TAP 1-97-086 MEN
 Add to plan as page 18.2
 L. SUSAN 4/21/97

1. TIMBER HARVESTING PLAN 1-97-086 MEN MAPS.

Galbreath Ranch

1997

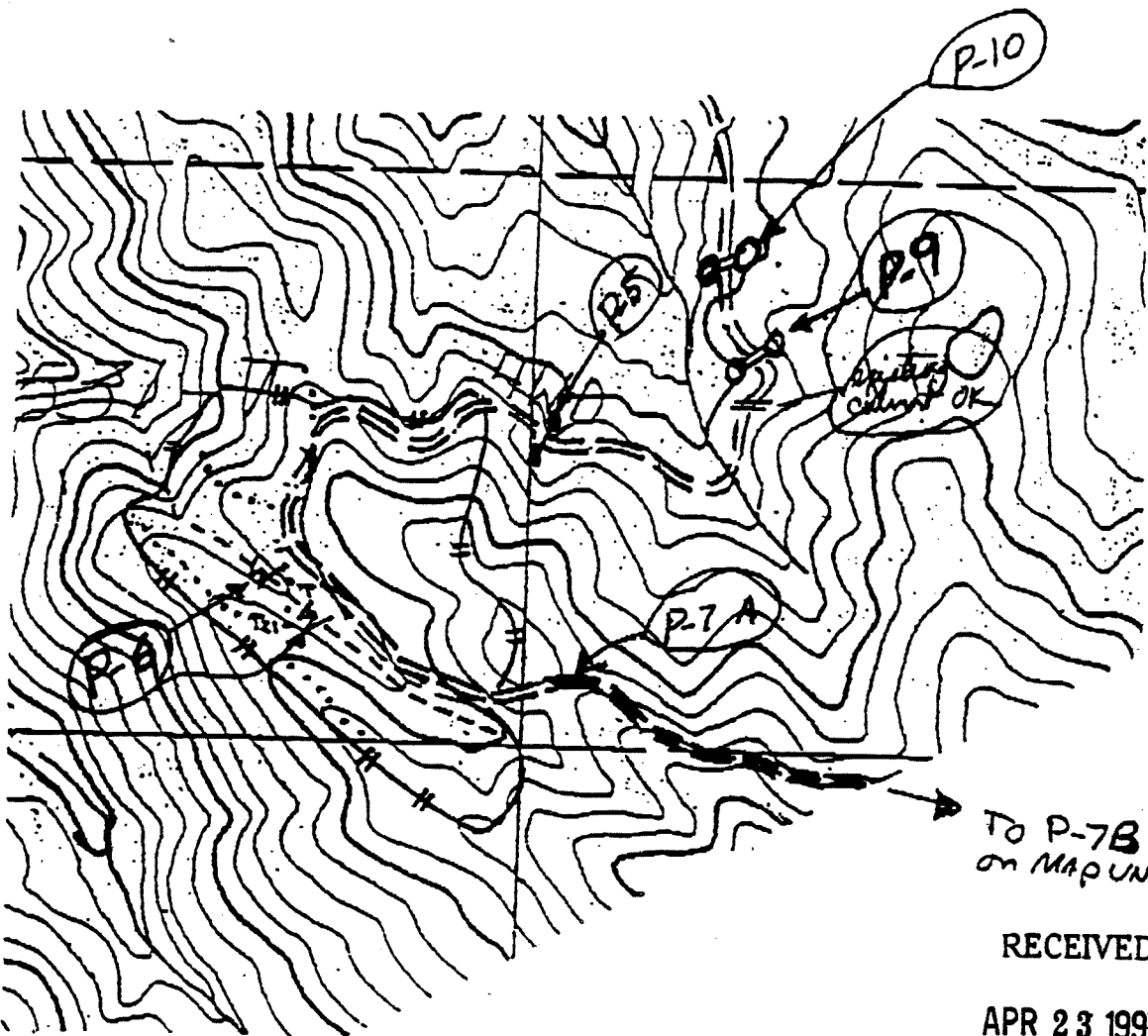
Map Unit #3

4/21/97

M. Pyarré

T 12 N

R 13 W



TO P-7B
on MAP UNIT 2

RECEIVED

APR 23 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

Legend: New Road w. thin last year ~~|||||~~



TAP 1-97-086 MEN
add to plan as page 18.3
L. SUSAN 4/21/97

LEGEND:

- Plan Area Boundary
- Existing Seasonal Truck Roads
- Watercourses:
- Class 3

- Points Referred to in THP text T1, T2, Etc.
- Temporary Watercourse Crossing T
- Defined Skidding Pattern

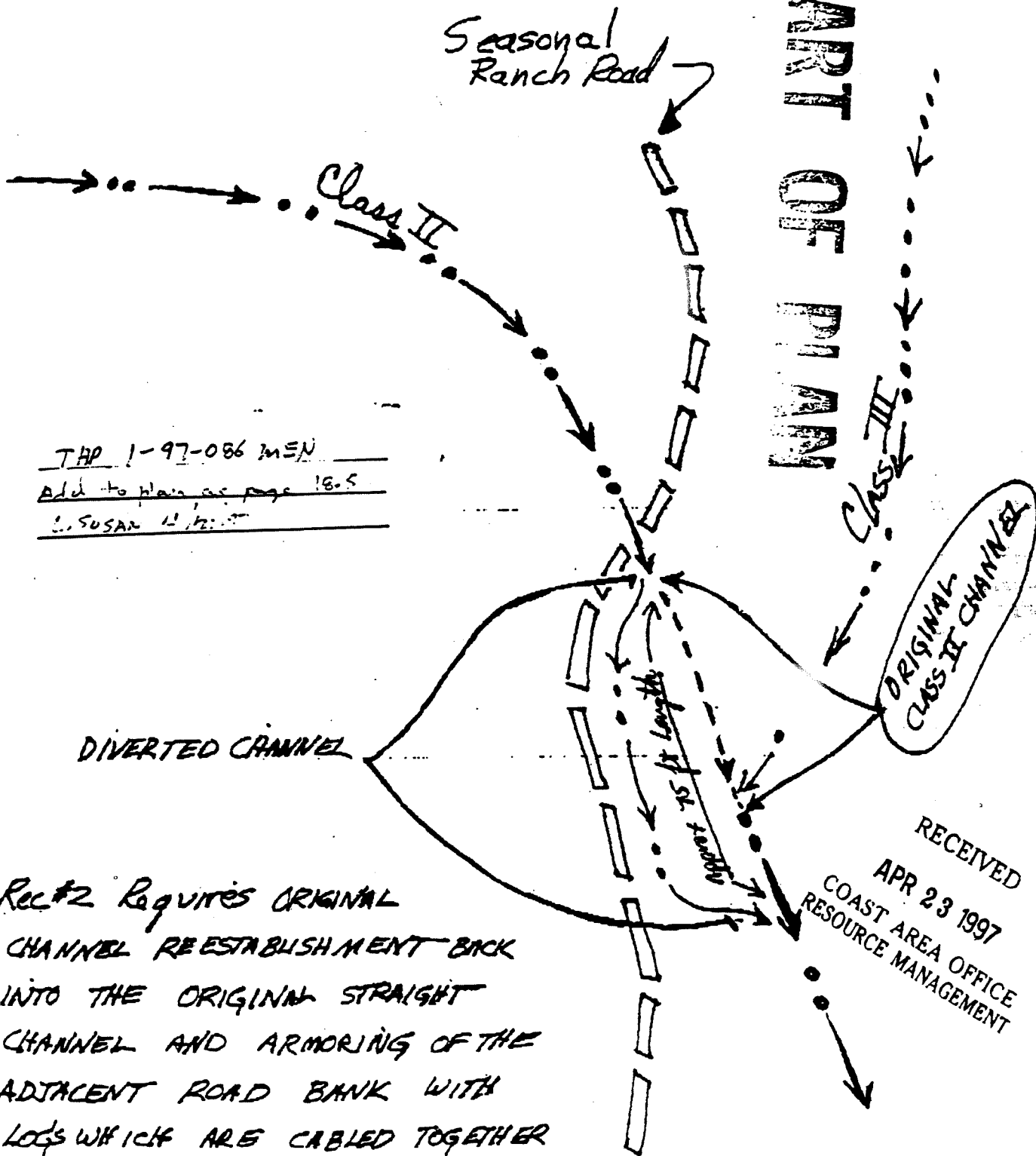
Map Scale is 1" = 500'

Handwritten initials/signature

THP 1-97-086 MEN

DIAGRAM FOR RECOMMENDATION #2.

↑ APPROXIMATE ME



THP 1-97-086 MEN
 Add to plan on page 18-5
 L. SUSAN 12/1/97

Rec #2 Requires ORIGINAL CHANNEL REESTABLISHMENT BACK INTO THE ORIGINAL STRAIGHT CHANNEL AND ARMORING OF THE ADJACENT ROAD BANK WITH LOGS WHICH ARE CABLED TOGETHER OR WITH ONE FOOT DIAMETER OR LARGER ROCK RIP-RAP.

RECEIVED
 APR 23 1997
 COAST AREA OFFICE
 RESOURCE MANAGEMENT

NOT to scale (m)

UNIT,FG,WQ
6-13-97

Summit Forestry

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

PART OF PLAN

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


June 12, 1997

Dear Staff,

I am writing in response to your letter concerning THIP 1-97-086 MEN dated 6/12/97.

- 1) There are no Class 1 watercourses located in or adjacent to the plan area. See PHI report for discussion of downstream waterfall and natural fish blockage.
- 2) A 70% shade canopy will be maintained on Class 2 watercourses.
- 3) From April 1 through May 31 during any year of operations, when the U.S. Weather Service predicts a 30% chance of 1/2 inch or more of rain in a 24 hour period in the vicinity of the plan area, then erosion control facilities will be established and maintained on all skid trails and landings. Appurtenant seasonal roads used under the operation will either be outsloped, waterbarred, or have the outside berm breached in sufficient places to adequately disperse surface runoff.
- 4) Review Team Chairmen recommendation #27 dated 4/17/97 was accepted in a letter dated 4/21/97 which specifies mulching of bare soil areas created in the WLPZ which are greater than 100 Sq. Ft.
- 5) If drafting of water from class 1 or class 2 watercourses occurs, it will be done in such a way that de-watering of pools or interruption of stream flow does not occur. Suction hoses used in class 1 watercourses will be screened to prevent an adverse impact to fish. Access roads to water holes will be stabilized to prevent significant amounts of sediment from entering the fluvial system.

Sincerely yours,



Lee Susan
Forester #2127

RECEIVED

JUN 12 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT



JUN 12 2000

DEPT. OF FORESTRY
MENDOCINO COUNTY

May 24 , 2000

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

This amendment conforms to the rules and the regulations of the Board of Forestry and the Forest Practice Act.
Reviewed by JMM date routed 6/7/00
cc: Unit (2) DFG WQ CP PR BoE. Sub RPF

Dear Sir ;

This letter is in regards to THP # 1-97- 086 Men.(Yale Creek Area THP)

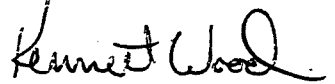
Will you please amend Section I of this plan, and extend the date this plan expires for an additional year. The new date the plan would expire would move from 6-15-2000 to 6-15-2001.

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.

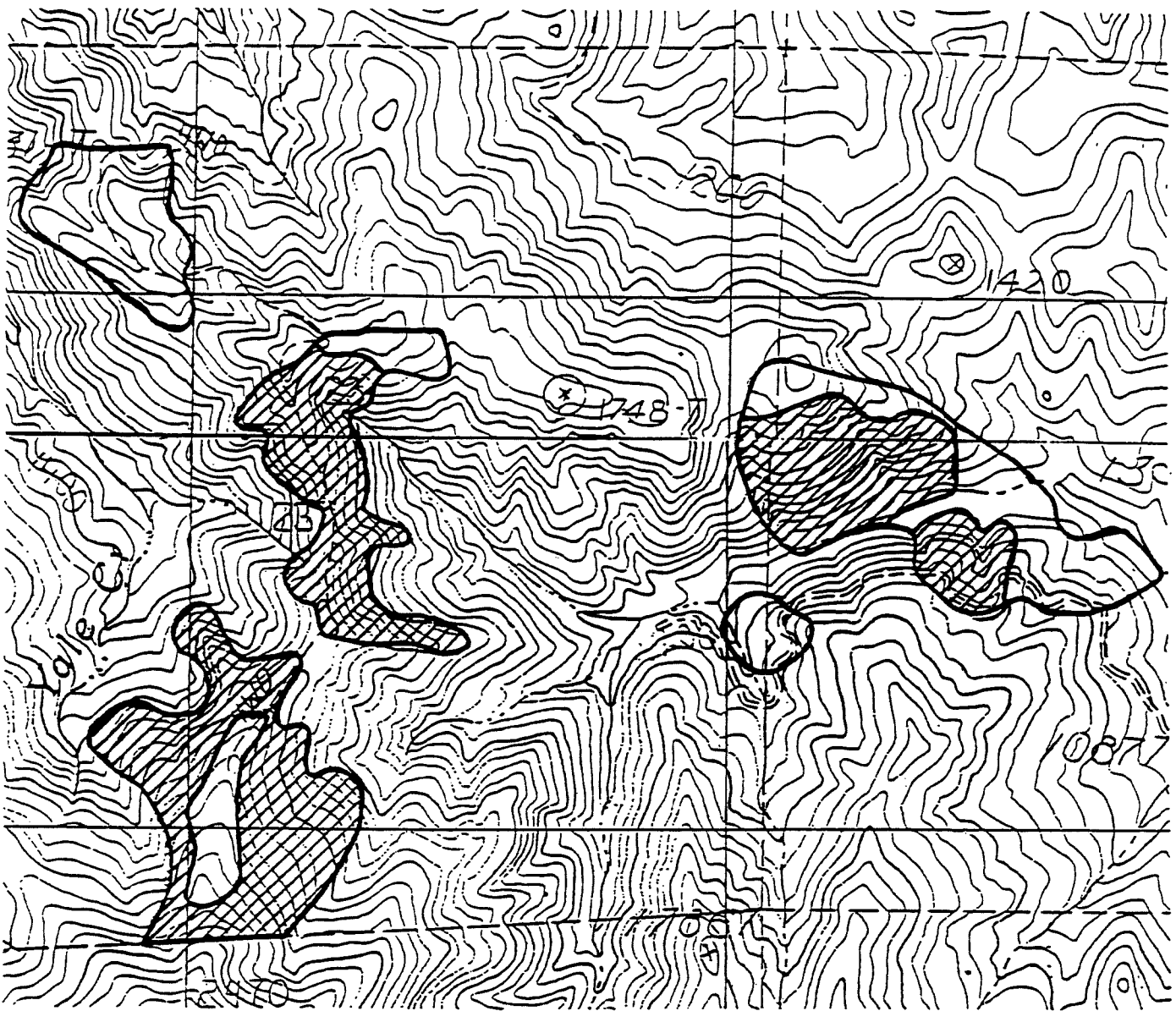
If there are any Questions on this extension, please call me.

Sincerely,



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

RECEIVED
MAY 25 2000
COAST AREA OFFICE
RESOURCE MANAGEMENT



RECEIVED



JUN 12 2000

DEPT. OF FORESTRY
MENDOCINO COUNTY

THE EXTENSION WILL APPLY TO ALL OF THE TNP AREA THERE

ARE NO COMPLETIONS OR STOCKING REPORTS FOR THIS

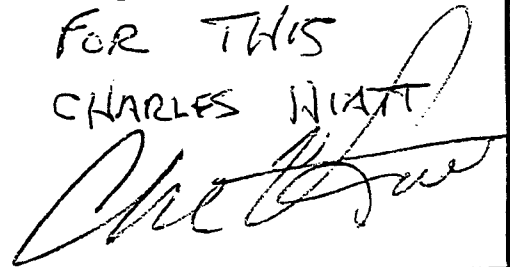
LEGEND

- Plan Area ----- 
- Erosion Hazard Rating : 
- High ----- 
- Moderate ...{all not shown otherwise}..... 

PLAN

Ken Wood

CHARLES NIATT



Map Scale is 1" = 1000'

AMENDMENT NO. 2 (minor) #2

RECEIVED

JUN 12 2000

DEPT. OF FORESTRY
MENDOCINO COUNTY

This amendment conforms to the rules and the regulations of the Board of Forestry and the Forest Practice Act.
Reviewed by SM date routed 6/7/00
cc: Unit (2) DFG WQ CP PR BoE Sub RPF

May 24 , 2000

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

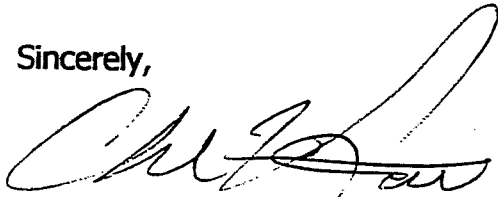
Dear Sir ;

This letter is in regards to THP # 1-97- 086 Men.(Yale Creek Area THP)

Please amend this plan and show a new forester of record ;

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

Sincerely,



Charles Hiatt
Plan Submitter
P.O.Box 595
Boonville, Ca. 95415

RECEIVED

MAY 30 2000

COAST AREA OFFICE
RESOURCE MANAGEMENT

CC: Brewer 9/19/97

FOR ADMIN. USE ONLY
Amendments-date & S or M

- 1. 4-16-99 7. _____
- 2. _____ 8. _____
- 3. _____ 9. _____
- 4. _____ 10. _____
- 5. _____ 11. _____
- 6. _____ 12. _____

TIMBER HARVESTING PLAN
STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY
AND FIRE PROTECTION
RM-63 (9/94)

FOR ADMIN. USE ONLY

THP No. 1-97-328 MEN -
 Dates Rec/Ed AUG 06 1997
 Date Filed AUG 15 1997 -
 Date Approved SEP 15 1997
 Date Expires SEP 14 2000
 Extensions 1) [] 2) []

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 [Signature] Date Aug 7 1997

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 P.O. Box 188 -
 City Kentfield State CA Zip 94904 Phone (707) 894-5676 -
 Signature [Signature] Date Aug 2 1997

3. LICENSED TIMBER OPERATOR(S): Name Charles Hiatt Lic. No. A-7493 -
 Address PO Box 595 -
 City Boonville State CA Zip 05415 Phone (707) 895-2403 -
 Signature [Signature] Date 8-2-97

4. PLAN SUBMITTER(S): Name Charles Hiatt Lic. No. A-7493 -
 Address PO Box 595 -
 City Boonville State CA Zip 05415 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
SEP 18 1997
DEPT. OF FORESTRY
MENDOCINO COUNTY

RECEIVED
AUG 06 1997
COAST AREA OFFICE
FOREST MANAGEMENT

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. Lee Susan
 Address 16575 Franklin Road
 City Fort Bragg State CA Zip 95437 Phone (707) 964-4566

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:
- | | |
|---|--|
| <input checked="" type="checkbox"/> COAST FOREST DISTRICT | <input type="checkbox"/> The Tahoe Regional Planning Authority Jurisdiction |
| <input type="checkbox"/> Southern Subdistrict of the Coast F.D. | <input type="checkbox"/> A County with Special Regulations, identify: _____ |
| <input type="checkbox"/> SOUTHERN FOREST DISTRICT | <input type="checkbox"/> Special Treatment Area(s), identify: <input type="checkbox"/> _____ |
| High use subdistrict of the Southern F.D. | |
| <input type="checkbox"/> NORTHERN FOREST DISTRICT | <input type="checkbox"/> Other _____ |

8. Location of the timber operation by legal description:

Base and Meridian:	<input checked="" type="checkbox"/> Mount Diablo	<input type="checkbox"/> Humboldt	<input type="checkbox"/> San Bernardino		
Section	Township	Range	Acreage	County	Assessor's Parcel Number*
<u>25</u>	<u>12N</u>	<u>13W</u>	<u>40</u>	<u>Mendocino</u>	<u>-</u>
<u>30</u>	<u>12N</u>	<u>12W</u>	<u>48</u>	<u>Mendocino</u>	<u>-</u>
<u>31</u>	<u>12N</u>	<u>12W</u>	<u>16</u>	<u>Mendocino</u>	<u>-</u>

TOTAL ACREAGE 104 * 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
 If yes, identify the THP or NTMP number(s): _____

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. Lee Susan

Address 16575 Franklin Road
City Fort Bragg State CA Zip 95437 Phone (707) 964-1566

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

Special Treatment Area(s), identify: _____

High use subdistrict of the Southern F.D.

NORTHERN FOREST DISTRICT

Other _____

8. Location of the timber operation by legal description:

Base and Meridian:		<input checked="" type="checkbox"/> Mount Diablo		<input type="checkbox"/> Humboldt	<input type="checkbox"/> San Bernardino
Section	Township	Range	Acreage	County	Assessor's Parcel Number*
<u>25</u>	<u>12N</u>	<u>13W</u>	<u>40</u>	<u>Mendocino</u>	_____
<u>30</u>	<u>12N</u>	<u>12W</u>	<u>45</u>	<u>Mendocino</u>	_____
<u>31</u>	<u>12N</u>	<u>12W</u>	<u>16</u>	<u>Mendocino</u>	_____

TOTAL ACREAGE 101

* 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

If yes, identify the THP or NTMP number(s): _____

RECEIVED

APR 08 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT

2 Revised 4/8/99 KW

5. If LTO is not present on-site list person to contact on-site who is responsible for represents the interests of the LTO. Lee Susan
 Address 16575 Franklin Road
 City Fort Bragg State CA Zip 95437

Yes No Will the timber operator be employed for the construction and roads and landings during conduct of timber operations? If no

Who is responsible for erosion control maintenance after timber 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

Southern Subdistrict of the Coast F.D.

A County with Spec

SOUTHERN FOREST DISTRICT

Special Treatment A

High use subdistrict of the Southern F.D.

NORTHERN FOREST DISTRICT

Other _____

8. Location of the timber operation by legal description:

Section	Township	Range	Acreage	County	As
<u>25</u>	<u>12N</u>	<u>13W</u>	<u>40</u>	<u>Mendocino</u>	<u>—</u>
<u>30</u>	<u>12N</u>	<u>12W</u>	<u>48</u>	<u>Mendocino</u>	<u>—</u>
<u>31</u>	<u>12N</u>	<u>12W</u>	<u>16</u>	<u>Mendocino</u>	<u>—</u>

TOTAL ACREAGE 104

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? Nun

Yes No Has a Sustained Yield Plan been submitted but not approved? Ni

11. Yes No Is there a THP or NTMP on file with CDF for any portion of the

If yes, identify the THP or NTMP number(s): _____

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

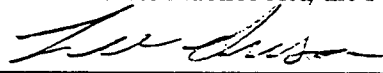
13. RPF preparing the THP: Name ~~Lee Susan~~ Ken Wood Ann! RPF Number 2127
Address 16575 Franklin Road
City Fort Bragg State CA Zip 95437 Phone (707) 964-4566

- 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?

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



Date

9/6/07

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 (933.11, 953.11). If more than one method or treatment will be used show boundaries on map and list approximate acreage for each.

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Clearcutting <u>9</u> ac. | <input type="checkbox"/> Shelterwood Prep. Step _____ ac. | <input checked="" type="checkbox"/> Seed Tree Seed Step <u>59</u> ac. |
| | <input type="checkbox"/> Shelterwood Seed Step _____ ac. | <input checked="" type="checkbox"/> Seed Tree Removal Step <u>27</u> ac. |
| | <input type="checkbox"/> Shelterwood Removal Step _____ ac. | 28 |
| <input checked="" type="checkbox"/> Selection <u>5</u> ac. | <input type="checkbox"/> Group Selection _____ ac. | <input type="checkbox"/> Transition _____ ac. |
| <input type="checkbox"/> Commercial Thinning _____ ac. | <input type="checkbox"/> Sanitation Salvage _____ ac. | |
| <input type="checkbox"/> Special Treatment Area _____ ac. | <input type="checkbox"/> Rehabilitation of Understocked Area _____ ac. | |
| <input type="checkbox"/> Alternative _____ ac. | <input type="checkbox"/> Conversion _____ ac. | |

Total acreage ~~4~~ **99** 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?

All conifer timber to be cut will be marked by the RPF and or his designee with blue 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.

All conifer timber to be cut will be marked by the RPF and or his designee with blue 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

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

RECEIVED

APR 08 1999

COAST AREA OFFICE

Revised 4/8/99

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 (933.11, 953.11). If more than one method or treatment will be used show boundaries on map and list approximate acreage for each.

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Clearcutting <u>9</u> ac. | <input type="checkbox"/> Shelterwood Prep. Step _____ ac. | <input checked="" type="checkbox"/> Seed Tree Seed Step <u>59</u> ac. |
| | <input type="checkbox"/> Shelterwood Seed Step _____ ac. | <input checked="" type="checkbox"/> Seed Tree Removal Step <u>31</u> ac. |
| | <input type="checkbox"/> Shelterwood Removal Step _____ ac. | |
| <input checked="" type="checkbox"/> Selection <u>5</u> ac. | <input type="checkbox"/> Group Selection _____ ac. | <input type="checkbox"/> Transition _____ ac. |
| <input type="checkbox"/> Commercial Thinning _____ ac. | <input type="checkbox"/> Sanitation Salvage _____ ac. | |
| <input type="checkbox"/> Special Treatment Area _____ ac. | <input type="checkbox"/> Rehabilitation of Understocked Area _____ ac. | |
| <input type="checkbox"/> Alternative _____ ac. | <input type="checkbox"/> Conversion _____ ac. | |

Total acreage 104 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?

All conifer timber to be cut will be marked by the RPF and or his designee with blue 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.

All conifer timber to be cut will be marked by the RPF and or his designee with blue 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 -

_____-
 _____-

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.

Site preparation beyond normal harvesting activity is not proposed.

RECEIVED
AUG 25 1997
COAST AREA OFFICE
RESOURCE MANAGEMENT

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.

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"*.

THP 1-97-328 MEU
Revised page 8/21/97
L. SUSAN

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.

Flagged skid routes are generally existing skid trails which can be used with little or no reconstruction. The existing skid rail network occasionally crosses slopes over 65% as shown on the THP Map and described in Section 3 of the THP. In these areas only existing flagged skid routes are to be used and overall ground disturbance is to be minimized. Only skid trails which have been flagged by the RPF are to be used where slopes exceed 50%.

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:

Winter period timber operations will be limited to timber falling only. The use of heavy equipment during the winter period is not proposed.

Title 14 CCR 914.7(c) will apply in regards to winter operations with the understanding that dry and rainless periods means that it is not raining and that saturated soil conditions are not present. **Winter period timber operations will be limited to the felling of timber. Within the proposed harvest area, heavy equipment will not be operated during the winter period.** Title 14 CCR 914.7(c) is reproduced here for ease of reference:

"(c) In lieu of a winter period operating plan, the RPF can specify the following measures in the THP:

(1) Tractor yarding or the use of tractors for constructing layouts fire breaks or other tractor roads shall be done or during dry, rainless periods where soils are not saturated.

(2) Erosion control structures shall be installed on all constructed skid trails and tractor roads prior to the end of the day if the U.S. Weather Service forecast is a "chance" (30 percent or more) of rain before the next day and prior to weekend or other shutdown periods. The provisions of this subsection do not apply to mechanical site preparation.

(3) Site specific mitigation measures needed to comply with 14 CCR 914 for operations within the WLPZ and unstable areas during the winter period."

Site specific mitigation measures in regards to unstable areas are as follows:

Heavy equipment will not be operated on unstable areas during the winter period. Falling timber on unstable areas during the winter period will not create any additional disturbance than if falling was done during the summer period.

Site specific mitigation measures in regards to WLPZ areas are as follows:

Heavy equipment will not operate in WLPZ areas during the winter period. Trees which must be pulled away from watercourses will be left until the summer period when heavy equipment is available and on site.

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

In the event that sidecast or till 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?

List specific measures to minimize the effects of the use of ground based equipment for each yes checked: Only skid trails which have been flagged by the RPF are to be used where slopes exceed 50%. The primary skidding pattern and location of skid trails to be used on 50%+ slopes is as shown on the THP Map. Impacts are minimized by location and design of skid trail system with an emphasis on skidding away from watercourses and minimizing overall skid trail density. For additional information please see "Item 21 Continued" in Section 3 of the THP. Water breaks will be installed on all skid trails to "High" EHR standards as follows:

MAXIMUM DISTANCE BETWEEN WATER BREAKS ON SKID TRAILS

Road or Trail Gradient	Maximum water break spacing
< 10%	150 feet
11 to 25%	100 feet
26 to 50%	75 feet
>50%	50 feet

RECEIVED

AUG 25 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

TIP 1-97-328 MEU

Revised 8/24/97

L. SUSAN

Class I Watercourses:

WLPZ buffers will be maintained adjacent to Class I 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 I watercourses on slopes less than or equal to 30% the zone width will be 75 feet; and on slopes greater than 30% to 50% the zone will be 100 feet and on slopes greater than 50% the zone will be 150 feet.

In regards to class I 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 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.

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?
 - 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.

Please see information under item 27 in sections 2 and 3 of the THP for information concerning WLPZ road segments. At THP Map Point R1 the outer edge of the road has sloughed away. Required road width is to be re-established by cutting into the bank and without sidecasting material below the road. Excavated soil can be spread onto the road surface.

Truck Road Watercourse Crossings:

C1

A permanent 24" CMP will be installed in a class III watercourse at map point "C1" approximately one road width down slope of the existing road crossing. The existing road at map point "C1" is completely washed out in such a fashion as to prevent adequate installation of the CMP due to depth of washout and angle of stream where it would enter the CMP. The CMP will be of sufficient length to prevent water from being discharged onto fill material.

C2

A permanent 18" CMP will be installed in a class III watercourse at map point "C2". The CMP will be of sufficient length to prevent water from being discharged onto fill material.

C3

A permanent 24" CMP will be installed in a class III watercourse at map point "C2". The CMP will be of sufficient length to prevent water from being discharged onto fill material.

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.

- 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?

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.

At THP Map Point W1 a tractor will be used to skid logs on a trail which is partially located within a Class I WLPZ. The skid route is flagged with yellow skid trail ribbon. This skid trail is to be seeded and mulched at the completion of operations as specified in item 18 of this THP. For additional information concerning the continued use of skidding equipment in the WLPZ at this location please refer to item 27f Situation #1 in Section 3 of this THP.

At THP Map Point W2 a haul route will be used which is partially located within a Class I WLPZ. The haul route is flagged with orange and black truck road ribbon. This the haul road excluding the traveled surface is to be seeded and mulched at the completion of operations as specified in item 18 of this THP. For additional information concerning the continued use of skidding equipment in the WLPZ at this location please refer to item 27f Situation #2 in Section 3 of this THP.

At THP Map Point W3 a tractor will be used to skid logs on a trail which is partially located within a Class I WLPZ. The skid route is flagged with yellow skid trail ribbon. This skid trail is to be seeded and mulched at the completion of operations as specified in item 18 of this THP. For additional information concerning the continued use of skidding equipment in the WLPZ at this location please refer to item 27f Situation #3 in Section 3 of this THP.

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.

Fire Hazard reduction is required adjacent to Elk Horn County Road. Fire hazard reduction will be accomplished in accordance with Title 14 CCR 917.2 which is reproduced here in part for ease of reference:

"(a) Slash to be treated by piling and burning shall be treated not later than April 1 of the year following its creation, or within 30 days following climatic access, or as justified in the plan.

Class III 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 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."

SPRINGS

SP1

A spring is located at THP Map point "S1". This spring is marked in the field with blue and white WLPZ ribbon. A fifty 50' ELZ has been flagged around the spring. No heavy equipment will be operated in the ELZ except on the existing skid trail which has been flagged for use.

SP2

A spring is located at THP Map point "S2". This spring is marked in the field with blue and white WLPZ ribbon. A fifty 50' ELZ has been flagged around the spring. No heavy equipment will be operated in the ELZ except on the existing skid trail which has been flagged for use.

SP3

A spring is located at THP Map point "S3". This spring is marked in the field with blue and white WLPZ ribbon. A fifty 50' ELZ has been flagged around the spring. No heavy equipment will be operated in the ELZ.

(NOTE ELZ'S around springs are all 50 FIFTY FEET.)

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?

RECEIVED

SEP 10 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

THP 1-97-328 MEN
Revised 9/6/97 and 9/6/97
L. SUSAN

37. Yes No Has any inventory or growth and yield information designated "trade secret" 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.
Overhead power lines are not located within the operating area. Any culverts to be installed will be of sufficient length to extend beyond the fill.

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: *Tom Csipowich*
(Signature)

9/15/97
(Date)

Tom Csipowich
(Printed Name)

Resource Manager
(Title)

(b) Within 100 feet of the edge of the traveled surface of public roads, and within 50 feet of the edge of the traveled surface of permanent private roads open for public use where permission to pass is not required, slash created and trees knocked down by road construction or timber operations shall be treated by lopping for fire hazard reduction, piling and burning, chipping, burying or removal from the zone.

(c) All woody debris created by timber operations greater than one inch but less than eight inches in diameter within 100 feet of permanently located structures maintained for human habitation shall be removed or piled and burned; all slash created between 100-200 feet of permanently located structures maintained for human habitation shall be lopped for fire hazard reduction, removed, chipped or piled and burned ..."

Lopping is defined in Title 14 CCR 895.1 as follows:

"Lopping For Fire Hazard Reduction" means severing and spreading slash so that no part of it generally remains more than 30 inches above the ground except where a specific rule provides another standard."

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.

Please see section 3 of the THP.

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.

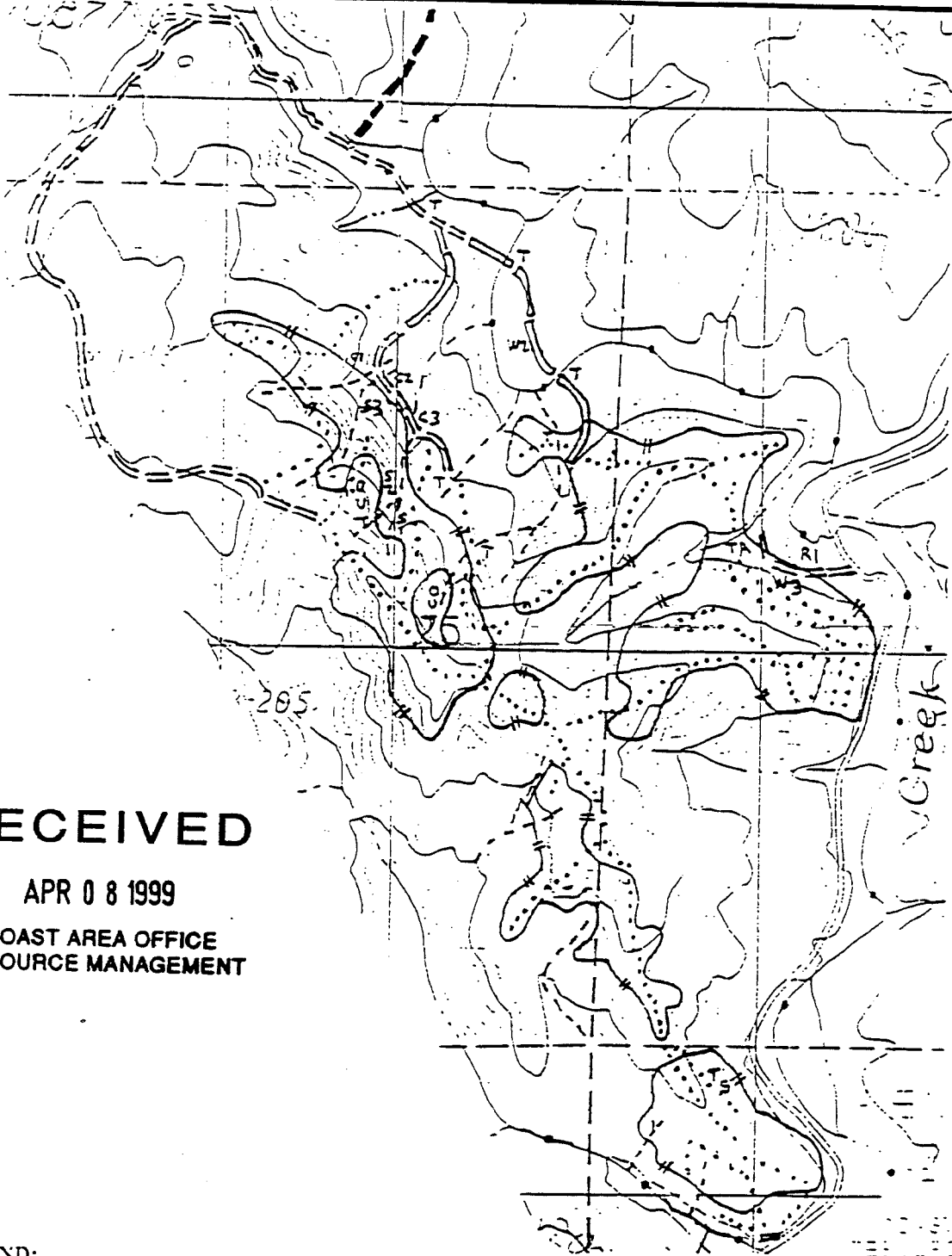
MAP TO ACCOMPANY
 TIMBER HARVESTING PLAN
 Galbreath Ranch
 1997

PLAN ADDENDUM

AUG 05 1997

T 12 N

R 13 W / R 12 W



RECEIVED

APR 08 1999

COAST AREA OFFICE
 RESOURCE MANAGEMENT



LEGEND:

- Plan Area Boundary
- Existing Seasonal Truck Roads == == == == ==
- Seasonal Road New Construction
- Permanent Appurtenant Road
- Watercourses:
- Class 1
- Class 2
- Class 3

Permanent Culvert Installations:

- C1 = 24", C2 = 18", C3 = 24"
- SpringsS1, S2, S3
- Special Road Reconstruction Point ...RI
- Temporary Watercourse Crossings ...T and TA
- Defined Skidding Pattern
- WLPZ Skid Trail W3
- WLPZ Road SegmentW2

Map Scale is 1" = 1000'

14 Rainier 4/8/99 V10

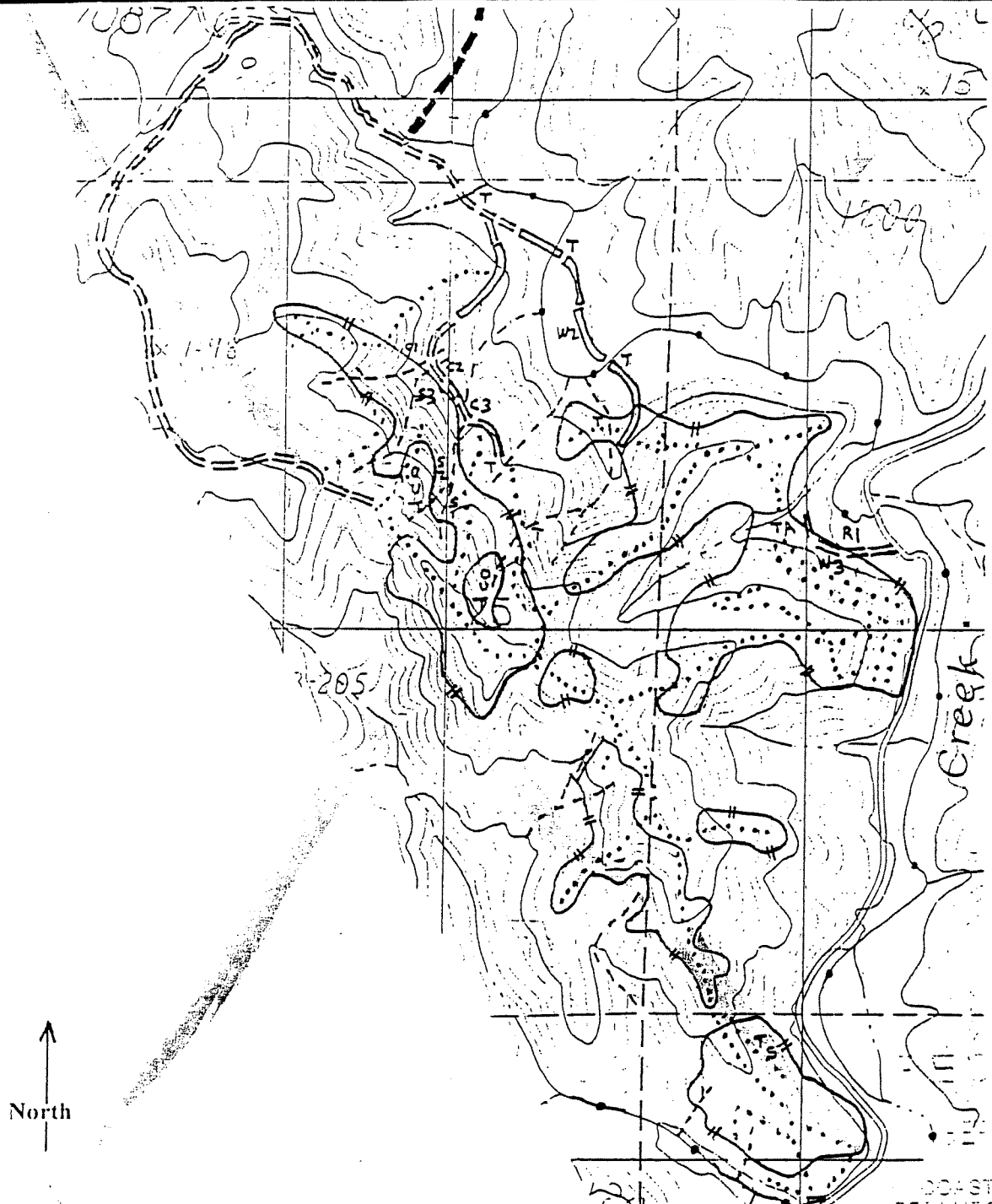
MAP TO ACCOMPANY
 TIMBER HARVESTING PLAN
 Galbreath Ranch
 1997

PLAN ADDENDUM

AUG 0 5 1997

T 12 N

R 13 W / R 12 W



LEGEND:

- Plan Area Boundary
- Existing Seasonal Truck Roads
- Seasonal Road New Construction
- Permanent Appurtenant Road
- Watercourses:
- Class 1
- Class 2
- Class 3

- Permanent Culvert Installations:
 C1 = 24", C2 = 18", C3 = 24"
- SpringsS1, S2, S3
- Special Road Reconstruction Point ...RI
- Temporary Watercourse Crossings ...T and TA
- Defined Skidding Pattern
- WLPZ Skid Trail W3
- WLPZ Road SegmentW2

Map Scale is 1" = 1000'

COAST AREA OFFICE
 RESOURCE MANAGEMENT

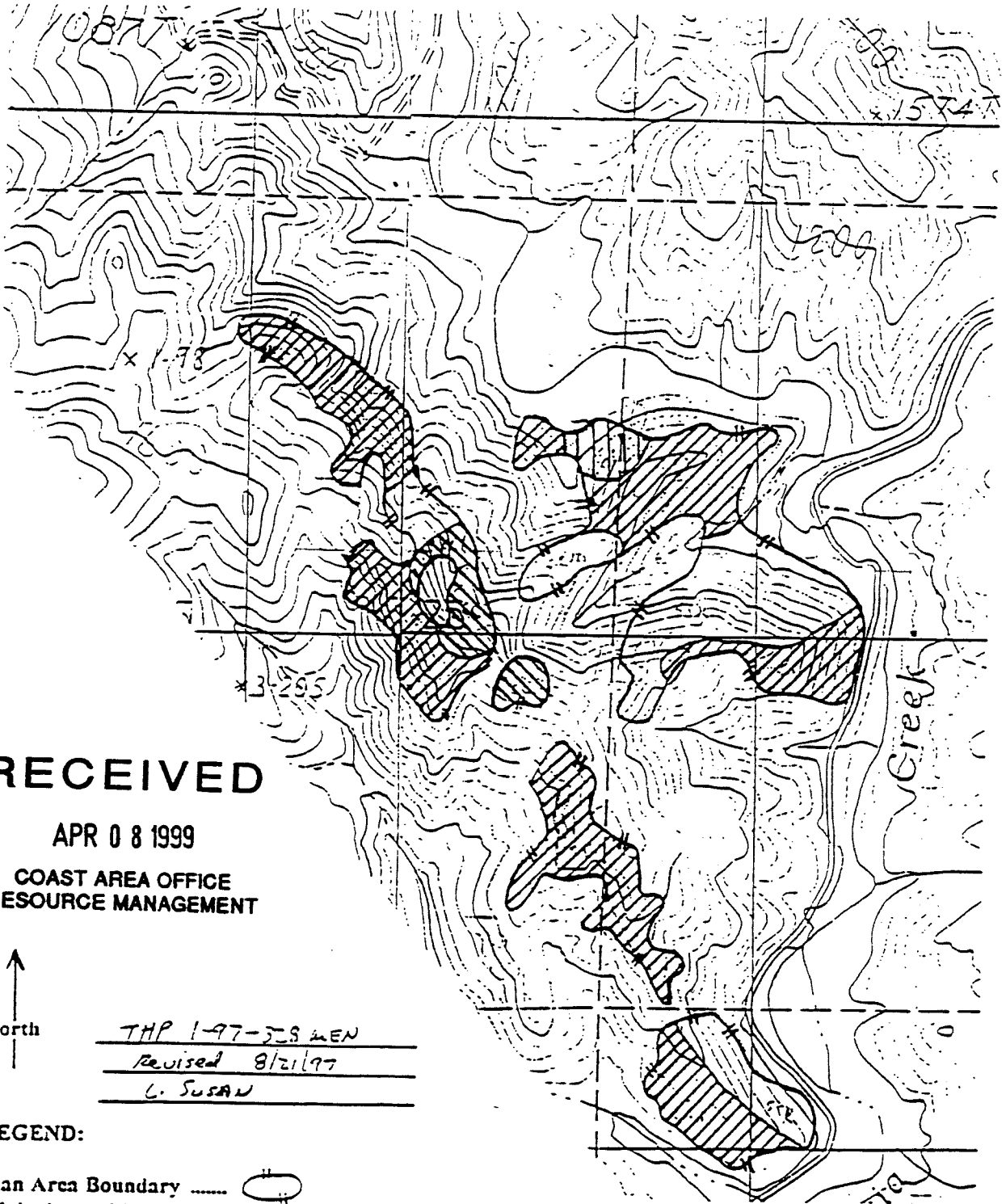
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Ranch
1997

PLAN ADDENDUM

AUG 0 5 1997

T 12 N

R 13 W / R 12 W



RECEIVED

APR 0 8 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT



THP 1-97-329 MEN
Revised 8/21/97
L. SUSAN

LEGEND:

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

Revised 4/8/99
15 KW

RECEIVED

AUG 25 1997

COAST AREA OFFICE

Map Scale is 1" = 1000

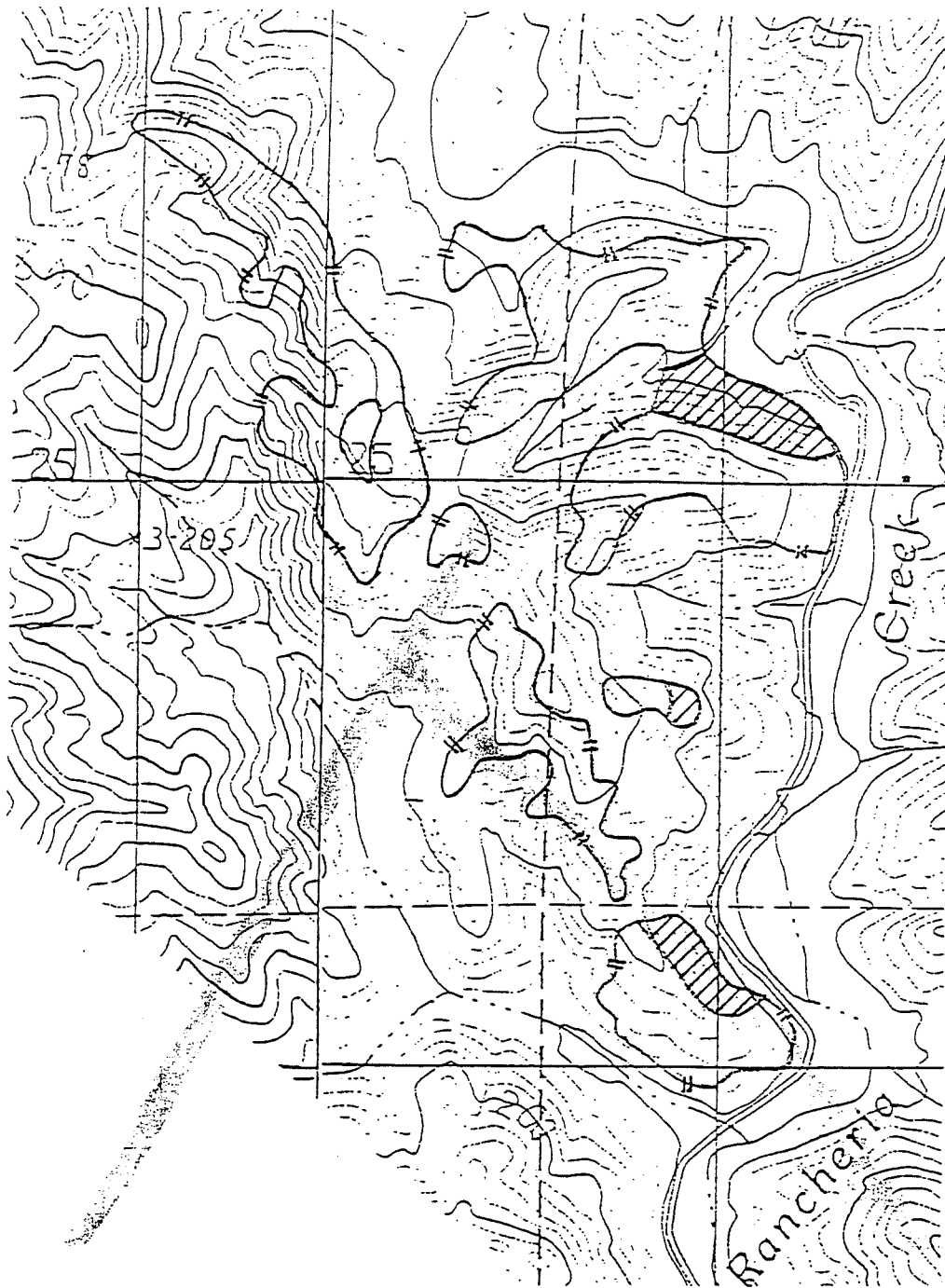


TIMBER HARVESTING PLAN
Galbreath Ranch
1997




AUG 05 1997

T 12 N

R 13 W / R 12 W



LEGEND

- Plan Area 
- Timberland Site Productivity Classification :
- Site 3 
- Site 4 ...{all not shown otherwise}..... 

Map Scale is 1" = 1000'

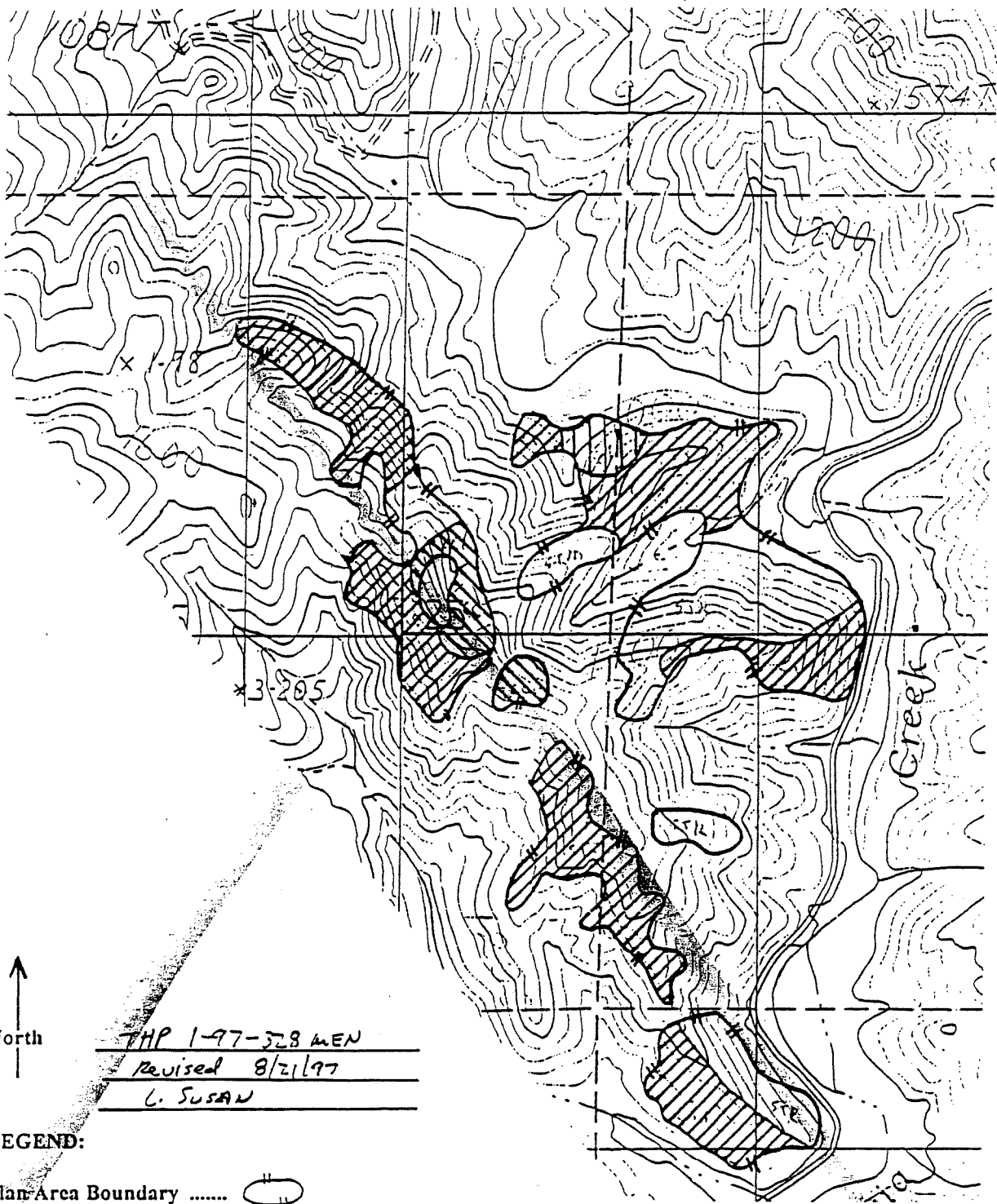
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Ranch
1997

PLAN ADDENDUM

AUG 0 5 1997






T 12 N

R 13 W / R 12 W



THP 1-97-528 MEN
Revised 8/21/97
C. SUSAN

LEGEND:

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

RECEIVED

AUG 25 1997

Map Scale is 1" = 1000

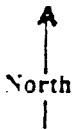
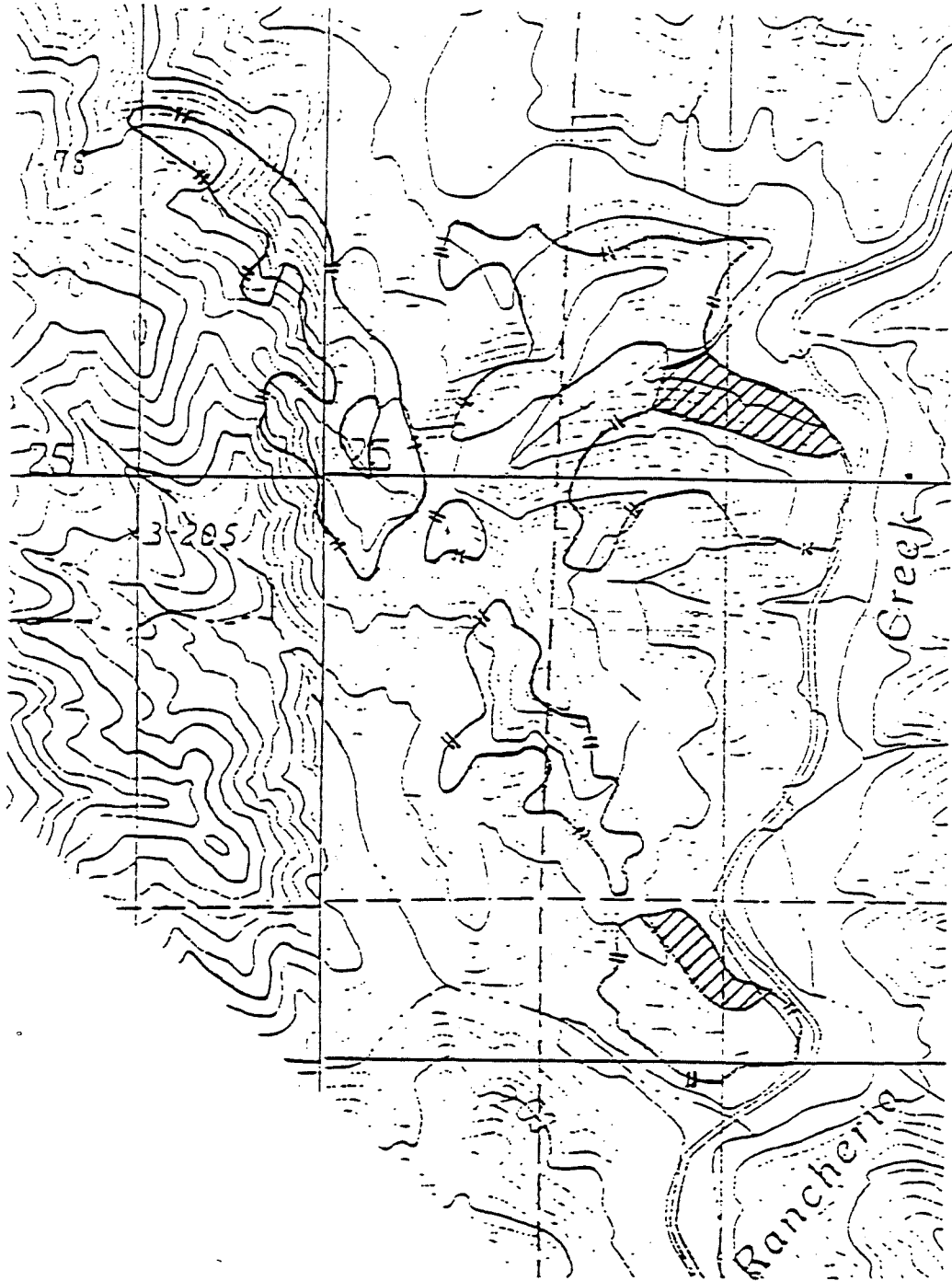
LOGAN AREA OFFICE

MAP TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Ranch
1997




AUG 05 1997

T 12 N

R 13 W / R 12 W



LEGEND

- Plan Area 
- Timberland Site Productivity Classification :
 - Site 3 
 - Site 4 ... (all not shown otherwise) 

Map Scale is 1" = 1000'

RECEIVED

APR 08 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT

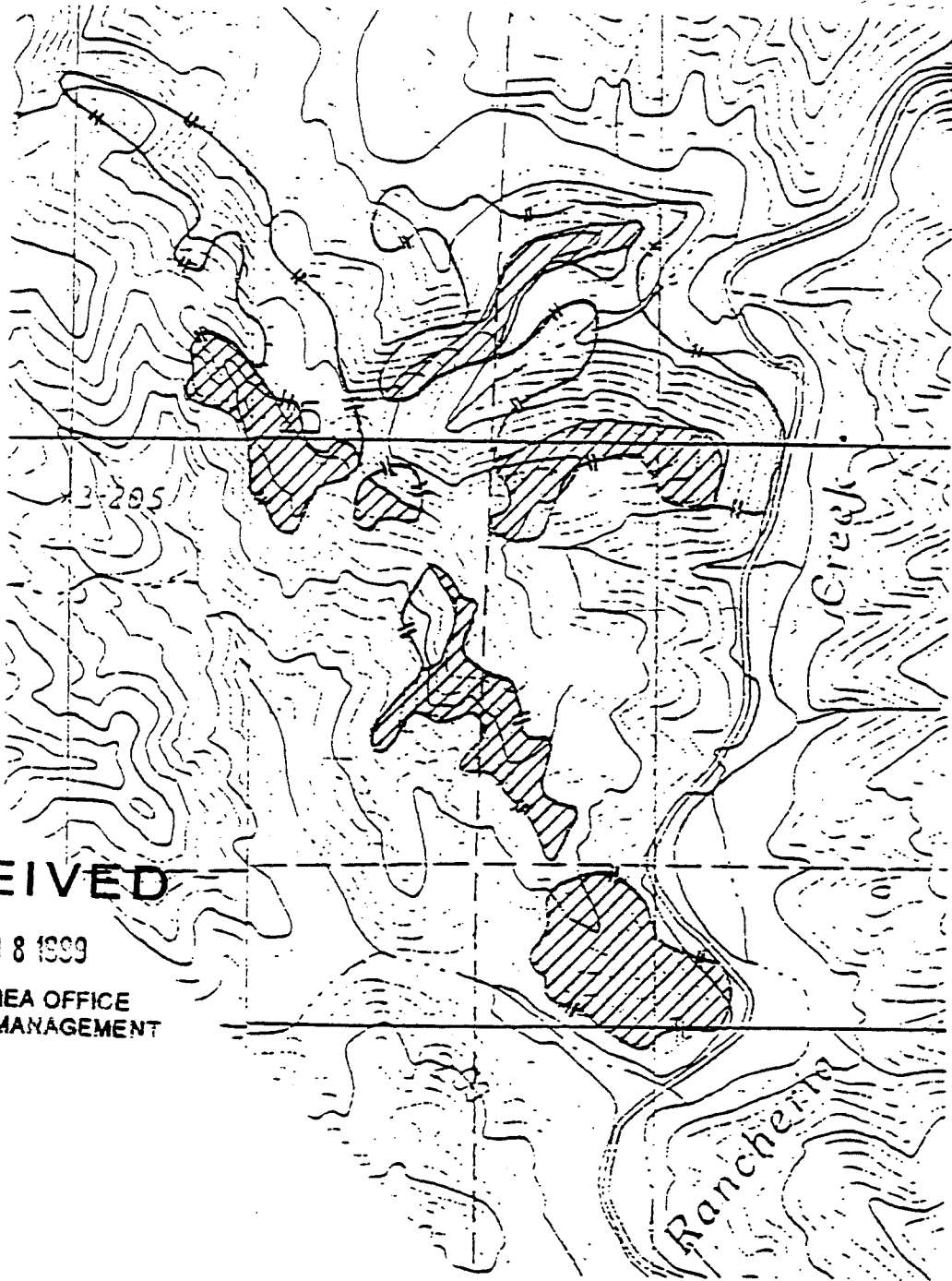
16 Revised 4/8/99 KW

STATE TO ACCOMPANY
TIMBER HARVESTING PLAN
Galbreath Ranch
1997

AUG 05 1997

T 12 N

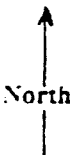
R 13 W






RECEIVED

APR 08 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT



LEGEND

- Plan Area 
- Erosion Hazard Rating :
 - Moderate 
 - High  (all not shown otherwise)

Map Scale is 1" = 1000'

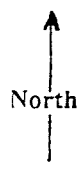
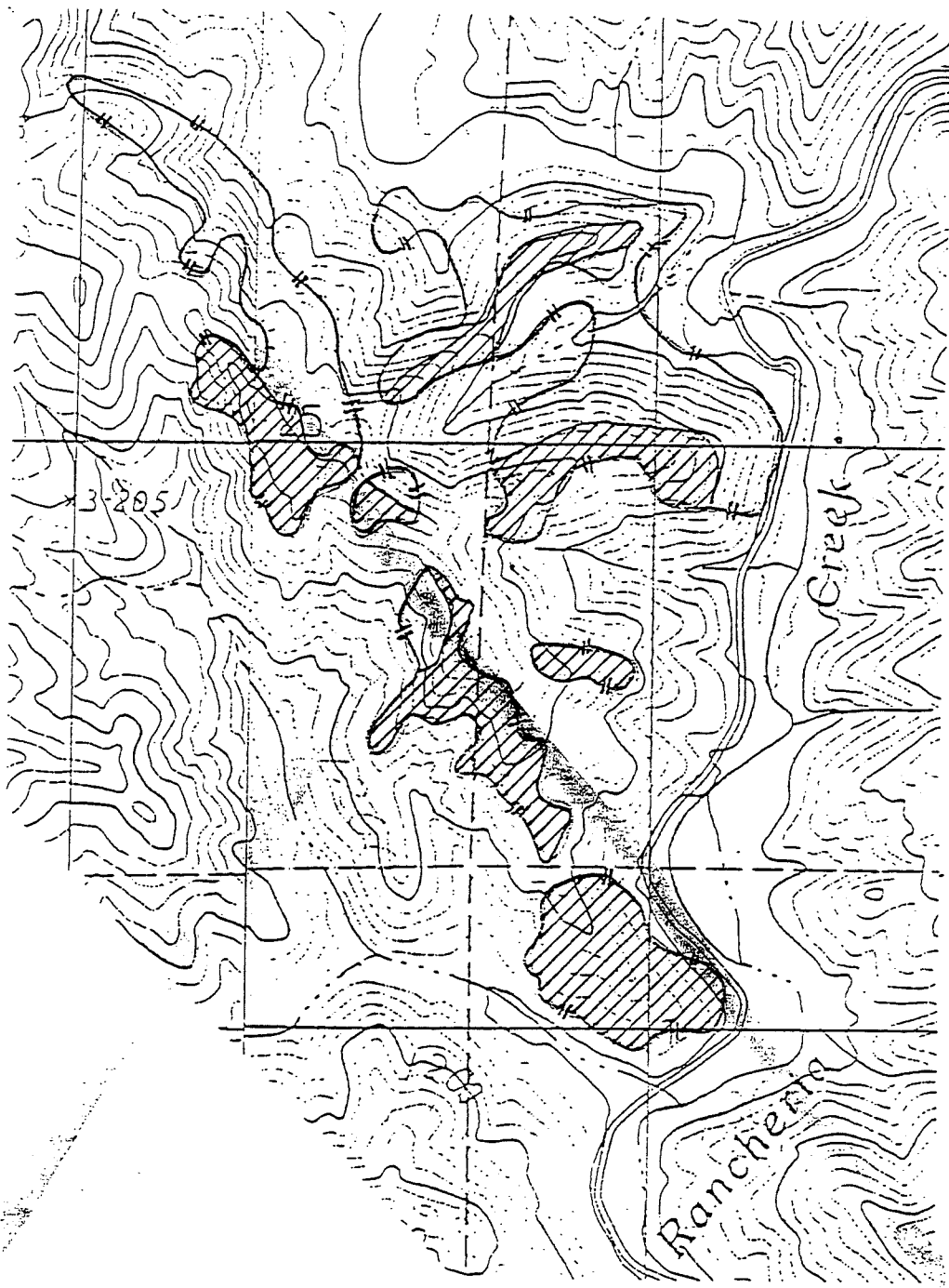
17 Revised 4/8/99 KW

TIMBER HARVESTING PLAN
Galbreath Ranch
1997




AUG 05 1997

T 12 N

R 13 W



LEGEND

- Plan Area 
- Erosion Hazard Rating :
 - Moderate 
 - High ...{all not shown otherwise}..... 

Map Scale is 1" = 1000'

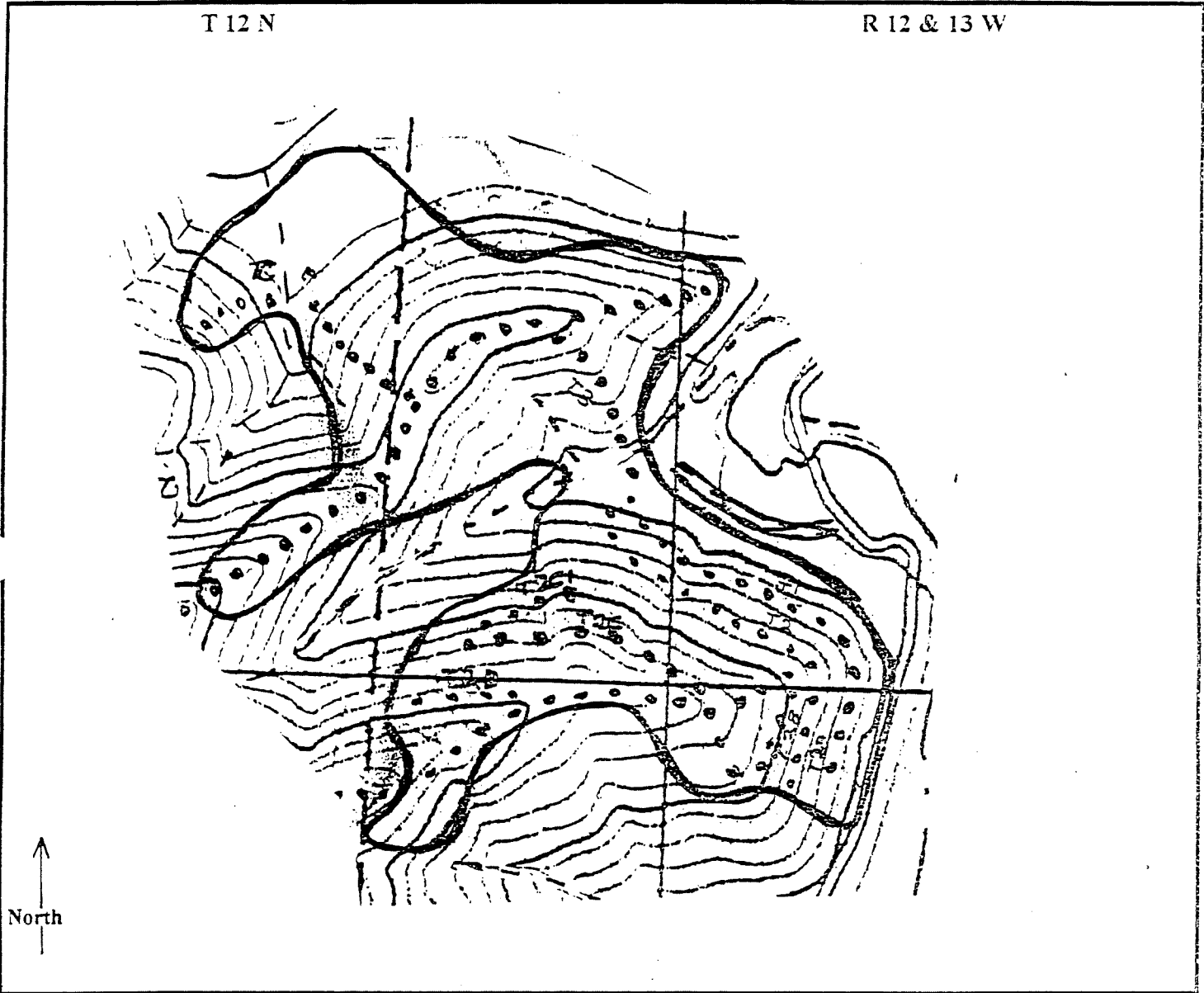
NEW ADDRESS
AUG 05 1997

Detail Map #1
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

Galbreath Ranch
Hiatt #6
1997

T 12 N

R 12 & 13 W



Existing Skid Trails

Existing Skid Trail(s) On 65%+Slopes {T1, T2, T2A, T2B, T2C, T2C1, T2D, T3.}
and or Skid Trails on 50%+ slopes which
lead without flattening to a class 3 watercourse

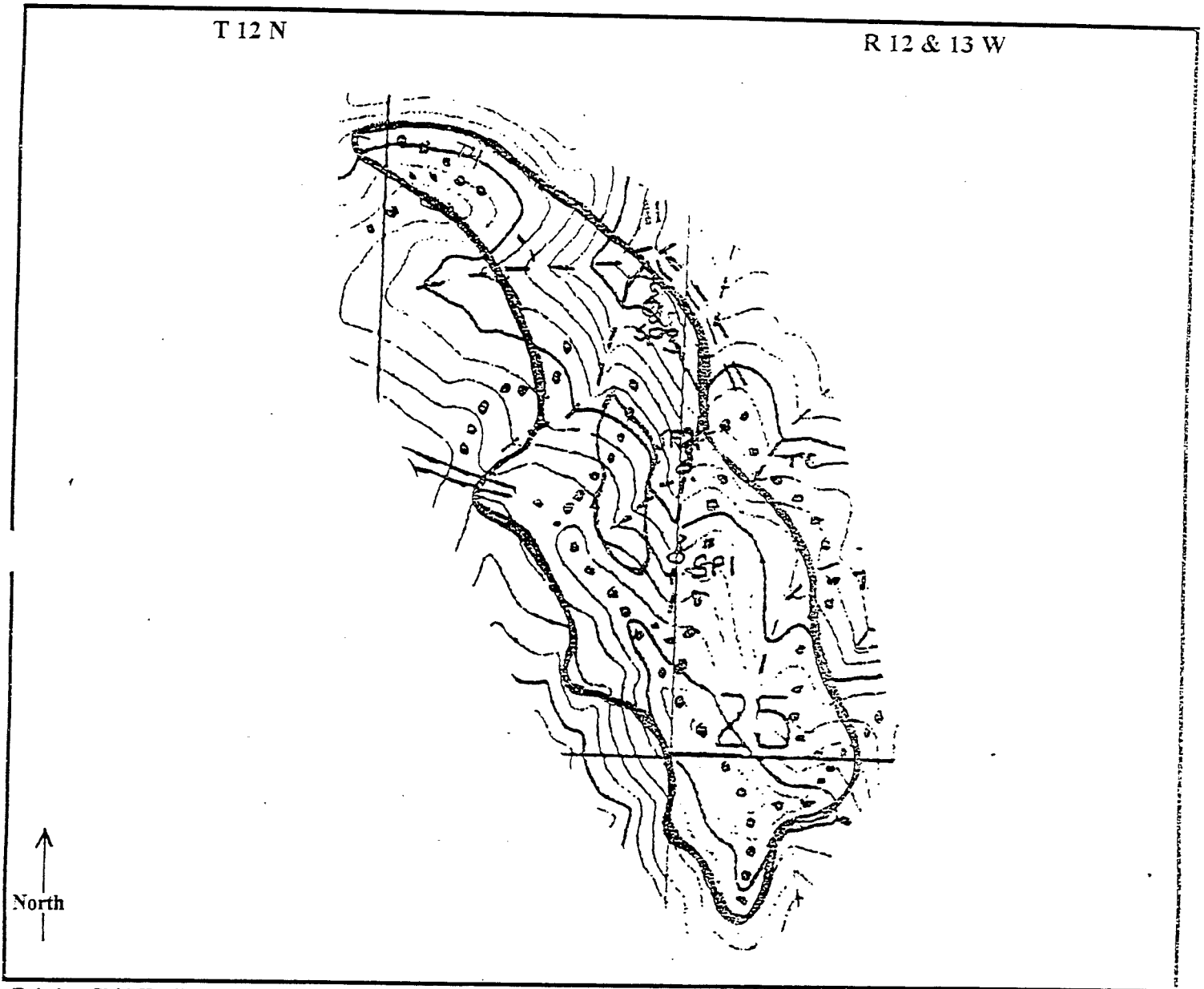
Class III Watercourse - - - - -

Map Scale is 1" = 500'

Detail Map #2
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

AUG 05 1997

Galbreath Ranch
Hiatt #6
1997



Existing Skid Trails

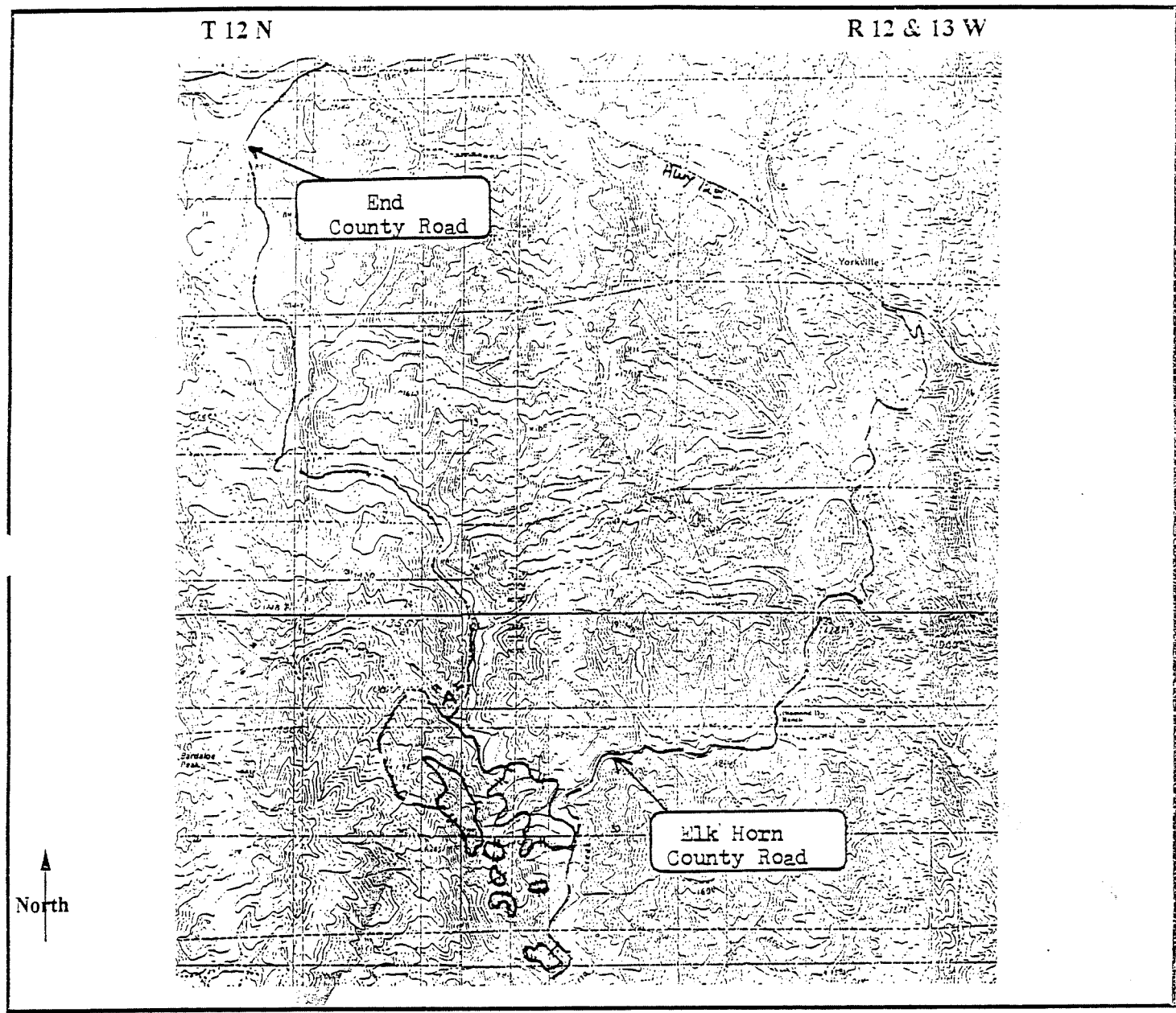
Existing Skid Trail(s) On 65%+Slopes T+
and or Skid Trails on 50%+ slopes which
lead without flattening to a class 3 watercourse

Class III Watercourse - - - - -


Map Scale is 1" = 500'

(Haul Route)
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

Galbreath Ranch
Hiatt #6
1997



Legend:

Approximate Plan Area Boundary 

Haul Route 

Roads South of Map Point "A" are appurtenant and Seasonal

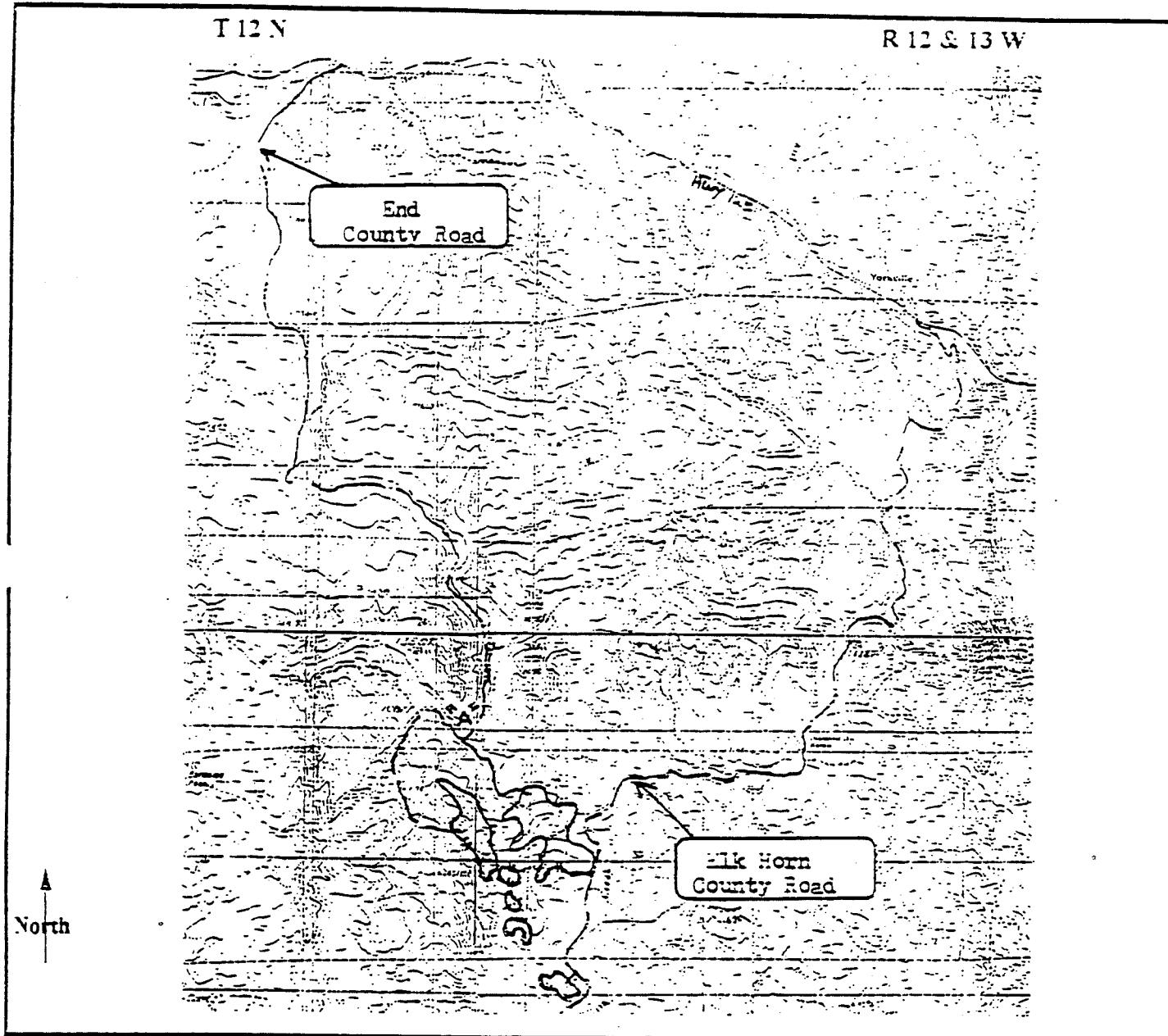
The road North of Map Point "A" is appurtenant and permanent to the County Road

Map Scale is 1" = 4,000'

(Haul Route)
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

APR 05 1999

Galbreath Ranch
Hiatt #6
1997



Legend:

Approximate Plan Area Boundary 

Haul Route 

Roads South of Map Point "A" are appurtenant and Seasonal

The road North of Map Point "A" is appurtenant and permanent to the County Road

Map Scale is 1" = 4,000'

RECEIVED

APR 08 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT

20

Revised 4/8/99 KW

AUG 05 1997

SECTION III TIMBER HARVEST PLAN ADDITIONAL INFORMATION

1034(jj) Description of Physical Conditions

The proposed timber harvest is located on private property approximately 4.5 miles South of the town of Yorkville on Elkhorn Road. The harvest area is located within the Rancheria Creek watershed. The proposed harvest will occur on areas of varying topography ranging from flat (0%) to moderately steep (65%+) slopes. The approximate elevation of the plan area is 1040 to 1720 feet above sea level.

The proposed plan area is located within the Coastal Belt Franciscan Assemblage. SCS soil maps indicate that the harvest area is located in Casabonne-Wholy loams and the Yorkville-Hopland association. The plan area is considered to be Site III & IV timberland based on SCS soils information and field work.

The timber is a discontinuous stand of Douglas-fir, and some hardwoods. The timber in this project area can be characterized as being generally defective with conk and fire scar being present throughout the stand. Younger age classes consist of generally healthy and fast growing trees. Hardwoods are present in this area but do not dominate the stand.

<u>Summary of Current Stand Conditions</u>		
	<u>% Stand Composition by Basal Area</u>	<u>Average BA/AC</u>
Douglas-fir	79%	103
tanoak	16%	21
madrone	3%	4
other hardwoods	2%	2

Class one 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.

AUG 05 1997

Additional Information Concerning THP Item 14.

A total of 104 acres are proposed for harvesting. 59 acres are submitted under the seed tree seed step silviculture method, 9 acres are submitted under the clear-cut silviculture method, 31 acres area are submitted as a low volume seed tree removal harvest, and 5 acres are submitted under the selection silviculture method. Current stand information was determined by a 135 point variable plot BAF 40 survey. Silvicultural prescriptions were determined based on the results of these surveys and on the basis of intensive ground review.

Seed Tree Removal

Approximately 31 acres are proposed as a seed tree removal harvest. These areas typically have a light overstory. The understory consists Douglas-fir regeneration up to 40 years in age and a mixture of hardwood species including tanoak and Pacific madrone. Trees marked for harvest are overstory trees which were retained during previous harvests in this area. Less than 15 trees per acre and less than 50 Sq.Ft./Ac. of conifer basal area per acre will be harvested in these areas. Green culls and 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.

Clear-cut

A total of 9 acres are designated as clear-cut. Within this area, there is no significant conifer understory and the Douglas-fir overstory is highly defective. Average age of timber to be harvested in this unit is estimated to be 95 years. Site preparation beyond normal disturbance associated with harvest activity is not proposed. This unit will be replanted with conifer seedlings as required to establish stocking levels in excess of the statutory stocking requirements.

Seed Tree Seed Step

A total of 59 acres of seed tree seed step harvesting located in 6 separate units is proposed. 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.

Selection

Approximately 5 acres are proposed to be harvested using the selection silviculture method. The stand has a moderately dense overstory consisting of Douglas-fir. Site preparation beyond normal disturbance associated with timber harvesting is not proposed. Timberland within the area designated for selection harvesting is classified as Site 4 timberland based on field review and soil vegetation mapping information. The post harvest stand will have a basal area in excess of 50 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.

Hardwood competition is not a significant problem when the harvest area is considered as a whole.

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

Additional information concerning Items 21b and 21c :

Existing skid trails located on 65% + slopes 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 or on slopes over 50% in high EHR areas. In other areas timber located on isolated steep slopes will be winched up to skid trails located

Additional Information Concerning THP Item 14.

A total of ~~10~~ acres are proposed for harvesting. 59 acres are submitted under the seed tree seed step silviculture method. 9 acres are submitted under the clear-cut silviculture method. ~~2~~ acres are submitted as a low volume seed tree removal harvest, and 5 acres are submitted under the selection silviculture method. Current stand information was determined by a 135 point variable plot BAF 40 survey. Silvicultural prescriptions were determined based on the results of these surveys and on the basis of intensive ground review

Seed Tree Removal 28

Approximately ~~2~~ acres are proposed as a seed tree removal harvest. These areas typically have a light overstory. The understory consists Douglas-fir regeneration up to 40 years in age and a mixture of hardwood species including tanoak and Pacific madrone. Trees marked for harvest are overstory trees which were retained during previous harvests in this area. Less than 15 trees per acre and less than 50 Sq.Ft./Ac. of conifer basal area per acre will be harvested in these areas. Green culls and 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.

Clear-cut

A total of 9 acres are designated as clear-cut. Within this area, there is no significant conifer understory and the Douglas-fir overstory is highly defective. Average age of timber to be harvested in this unit is estimated to be 95 years. Site preparation beyond normal disturbance associated with harvest activity is not proposed. This unit will be replanted with conifer seedlings as required to establish stocking levels in excess of the statutory stocking requirements.

Seed Tree Seed Step

A total of 59 acres of seed tree seed step harvesting located in 6 separate units is proposed. 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.

Selection

Approximately 5 acres are proposed to be harvested using the selection silviculture method. The stand has a moderately dense overstory consisting of Douglas-fir. Site preparation beyond normal disturbance associated with timber harvesting is not proposed. Timberland within the area designated for selection harvesting is classified as Site 4 timberland based on field review and soil vegetation mapping information. The post harvest stand will have a basal area in excess of 50 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.

Hardwood competition is not a significant problem when the harvest area is considered as a whole.

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

Additional information concerning Items 21b and 21c :

Existing skid trails located on 65% + slopes 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 or on slopes over 50% in high EHR areas. In other areas, timber located on isolated steep slopes will be winched up to skid trails located

RECEIVED

APR 08 1999

COAST AREA OFFICE

22

Revised 4/8/99

PLAN REVISIONS
AUG 05 1997

on more moderate ground. Tractor long-lining of timber off short isolated steep slopes minimizes 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 alternative for the following reasons:

- 1) Cable yarding would require substantial new road and landing construction. CCR 923 directs us to minimize new road and landing construction where ever possible. Soil displacement and the loss of growing space will be minimized by using the existing road and harvest system.
- 2) No new skid trails will be built on 65%+ slopes or slopes over 50% in High EHR areas. Substantial amounts of long-lining will be required to avoid new skid trail construction in these areas.
- 3) All skid trails proposed for use in these steep areas are existing and in good condition. I have personally reviewed and flagged these skid trails with "skid trail" ribbon.

A summary of individual skid roads to be used in conjunction with this harvest which constitute an exception to the standard rules is as follows:

Skid Trail T1

The skid trail proposed for use at THP Map point "T1". Approximately 500 feet of this trail is located on a 65%+ slope. The skid trail gradient ranges from flat to 30%. The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T2

The skid trail proposed for use at THP Map point "T2". Approximately 675 feet of this trail is located on a 65%+ slope. The skid trail gradient is variable. The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T2A

The skid trail proposed for use at THP Map point "T2A" is an existing trail. Approximately 70 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T2B

The skid trail proposed for use at THP Map point "T2B". Approximately 225 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T2C

The skid trail proposed for use at THP Map point "T2C" is an existing trail. Approximately 750 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T2C1

The skid trail proposed for use at THP Map point "T2C1" is an existing trail. Approximately 170 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T2D

The skid trail proposed for use at THP Map point "T2D" is an existing trail. Approximately 150 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T3

The skid trail proposed for use at THP Map point "T3" is an existing trail. Approximately 525 feet of this trail is located on a 65%+ slope. The last 150 feet of this trail is on slopes 50%+ which lead without flattening to a class III watercourse. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T4

The skid trail proposed for use at THP Map point "T4" is an existing trail. Approximately 300 feet of this skid trail is located on a 65%+. The skid trail gradient is gentle (<25%). The slope below this trail declines towards a class III watercourse at a slope over 50% without significant flattening. The location of this trail has been marked in the field with yellow skid trail ribbon.

Skid Trail T5

The skid trail proposed for use at THP Map point "T5" is an existing trail. Approximately 300 feet of this trail is located on a 65%+ slope. The skid trail gradient is gentle (<25%). The location of this trail has been marked in the field with yellow 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 skid trails which concentrate activity in the proximity of watercourses. 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 27a and 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 1, 2, 3, or 4 watercourses, in the WLPZ, marshes, wet meadows, and other 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 proposed practice

At THP map point W2 it is proposed to haul logs along an alluvial flat adjacent to Rancheria Creek for a distance of 1400 feet.

How the proposed practice differs from the standard practice

The proposed practice would allow for the hauling of logs within the Rancheria Creek WLPZ for a distance of up to 1400 feet. The standard rule would prohibit use of this haul route since it is partially located in the WLPZ and could be considered an "in stream" road.

The specific locations where the proposed rule will apply

The WLPZ road segment is located as shown at THP Point W2.

RECEIVED
SEP 25 1997
RESOURCE MANAGEMENT

THP 1-97-328 MEN
Revised PAGE 9/3/97
LOR SUSAN

Explanation and justification of proposed practices

Timber to be accessed by this road segment is located in an area which is not accessible from other roads. Alternative haul routes were analyzed but not selected as being the least damaging feasible alternative because other routes would require extensive new road construction on steep slopes or less desirable watercourse crossings would have to be used. The proposed practice of hauling on the alluvial gravel bar has been determined to be the least damaging feasible alternative because this route minimizes displacement of soil and vegetation. The route can be used for hauling with minimal blading. The wide gravel bars and alluvial flats associated with Rancheria Creek in this area have been used for hauling several times in the recent past. No evidence of adverse impacts associated with prior hauling on the gravel bar can be observed in the field. Based on my field review of feasible alternatives I have concluded that the continued 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. This road segment will be used for only one operating season.

Additional information concerning Item 27a and 27f: Situation #3

Standard Rule

CCR 916.4(d) specifies that "heavy equipment shall not be used in timber falling, yarding, or hauling operations within the WLPZ unless such use is explained and justified in the THP and approved by the director".

Description of proposed practice

It is proposed to use a skid trail which is located within a Class 1 WLPZ. The main skid trail in this area crosses into the class 1. The skid trail has a gentle grade until it turns and abruptly leaves the WLPZ. This skid trail is located within the WLPZ for a distance of approximately 150 feet. The skid trail is generally located at the outer edge of the WLPZ. The zone width in this area is 75 to 100 feet.

How the proposed practice differs from the standard practice

The proposed practice would allow for the continued use of this skid trail even though a portion of this skid trail would be located within a class 1 WLPZ. The standard rule would prohibit the use of a skid trail at this location.

The specific locations where the proposed rule will apply

The proposed WLPZ skid trail is located at THP map point W3.

Explanation and justification of proposed practices

The skidding pattern in this area is defined by the location of watercourses, steep slopes and existing road and landing locations. I have been over this area repeatedly and I believe the flagged route is the best skidding route because soil disturbance is minimized and the flagged skid route is located on the best ground. Use of the flagged skid 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, this skid route will be seeded and mulched at the completion of operations as specified in item 18 of this THP. This skid trail and the associated road segment will only be used for one operating season.

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 :

RECEIVED

SEP 10 1997

NOV 1997

THP 1-97-328 MEN
Revised 9/5/97 and 9/6/97
L. SUSAN

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 not present in the plan area.

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. ~~Peregrine Falcons are known to exist in the adjacent Jack Smith-Creek drainage but their specific preferred habitat type as described above is not present within 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.

The NDDDB was queried for information concerning rare species potentially within the plan area. No occurrences were listed for the plan area. The NDDDB listed two occurrences of the following species on the Yorkville, Gube Mtn and Big Foot Mountain quadrangles:

Beaked Tracvina Listed as Federal 3C (to common to list)

Habitat: Open Grassy areas; Cismontane woodland, valley and foothill grassland.

Minimal harvest related disturbance will occur in open grassy areas.

Northern Spotted Owl Federal Threatened

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.

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. An immature and an adult Golden Eagle were observed during plan preparation on separate occasions. Nests were surveyed for but non were located on or adjacent to the plan area. This species is listed as a California Department of Fish and Game "Species of Special Concern", and a State Board of Forestry "Species of Special Concern".

Coho salmon and coho salmon habitat may be present adjacent to the proposed harvest area in Rancheria Creek. Possible impacts from the proposed harvesting operation include, stream channel morphology changes as a result of increased sediment loads, increased stream temperatures resulting from reduced shade canopy and toxic inputs to the fluvial system which could adversely affect salmonid habitats or their populations. Adverse impacts as described above are not likely because mitigations incorporated in the proposed THP and current regulations governing timber harvesting include restrictions on shade canopy reduction and prohibit significant inputs of sediment or other contaminants into the fluvial system. Current and future LWD supplies associated with salmonid habitats will be maintained due to WLPZ harvest restrictions.

RECEIVED

SEP 10 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT
26

THP 1-97-328 MEN
Revised 9/3/97 and 9/6/97
Li SUSAN

NOTE: PAGE 27 Deleted!

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>No after</u>	<u>No reasonably</u>
	<u>mitigation (a)</u>	<u>mitigation (b)</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.
- 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.

AUG 05 1997

- 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)

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 X or No

AUG 05 1997

TABLE 1. CHANNEL INVENTORY FORM

Channel or Segment No.	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
- Class/Order	<u>1/</u>	—	—	—
- Gravel embeddedness	<u>M</u>	—	—	—
- Pool Filling	<u>M</u>	—	—	—
- Aggrading	<u>M</u>	—	—	—
- Bank Cutting	<u>S</u>	—	—	—
- Bank Mass Wasting	<u>M</u>	—	—	—
- Down cutting	<u>N</u>	—	—	—
- Scouring	<u>N</u>	—	—	—
- Debris Clearing	<u>N</u>	—	—	—
- Debris Jamming	<u>N</u>	—	—	—
- Canopy Reduction	<u>M</u>	—	—	—
- Recent Flooding	<u>M</u>	—	—	—

Comments:

Channel Segment #1 Where Rancheria Creek is adjacent to the proposed harvest area it has a relatively low stream gradient and a wide gravel bar. This area is a sediment storage reach. Large amounts of gravel are present which are moderately embedded in silt. Pools are infrequent but are present and have depths in excess of 4 feet. LWD is infrequent. Shade canopy over the water is very low due to the wide nature of the gravel bar. Timber in the harvest area does not appear to provide significant stream shade due to its distance from the watercourse and the general shape of the land in this area. This stream segment appears to be generally aggraded. The extent to which this aggradation is a result of past land management practices rather than a natural condition is not clear. A moderate amount of bank cutting is occurring. Bank cutting which is locally severe may be aggravated by the aggraded condition of the stream channel. Flood conditions were present in the early months of 1997 just prior to this stream channel survey.

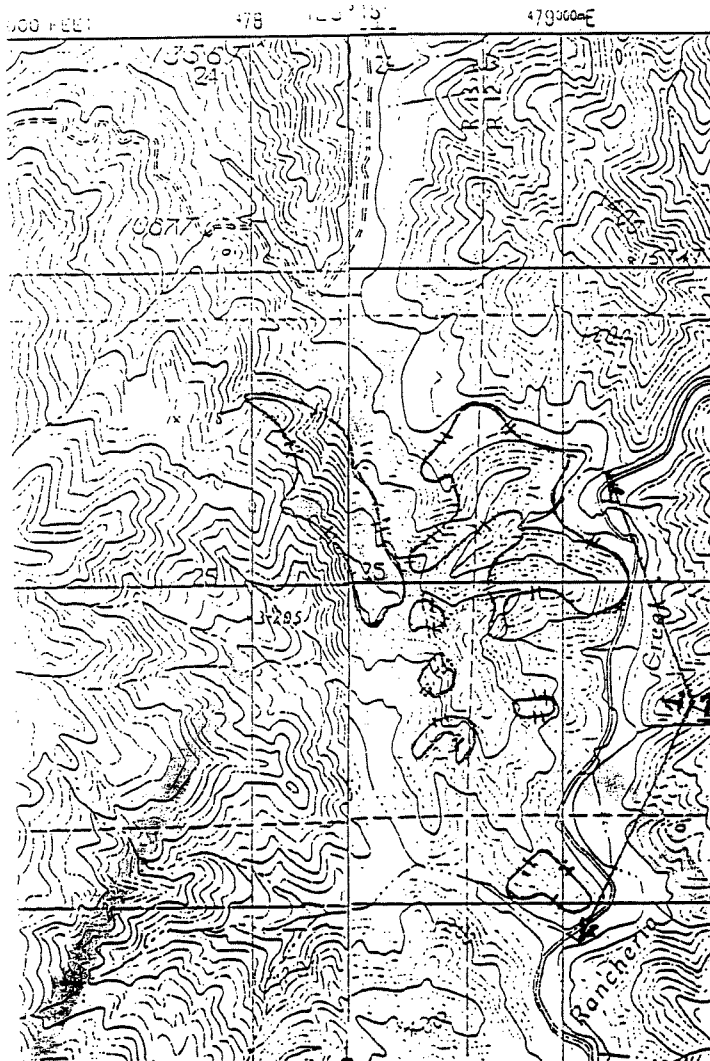
AUG 05 1997

(Stream Channel Survey)
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

Galbreath Ranch
Hiatt #6
1997

T 12 N

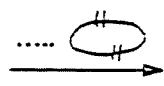
R 12 & 13 W



Legend:

Approximate Plan Area Boundary

Area of Stream Channel Survey



1
Map Scale is 1" = 2,000'

(Stream Channel Survey)
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

PLAN ADDENDUM

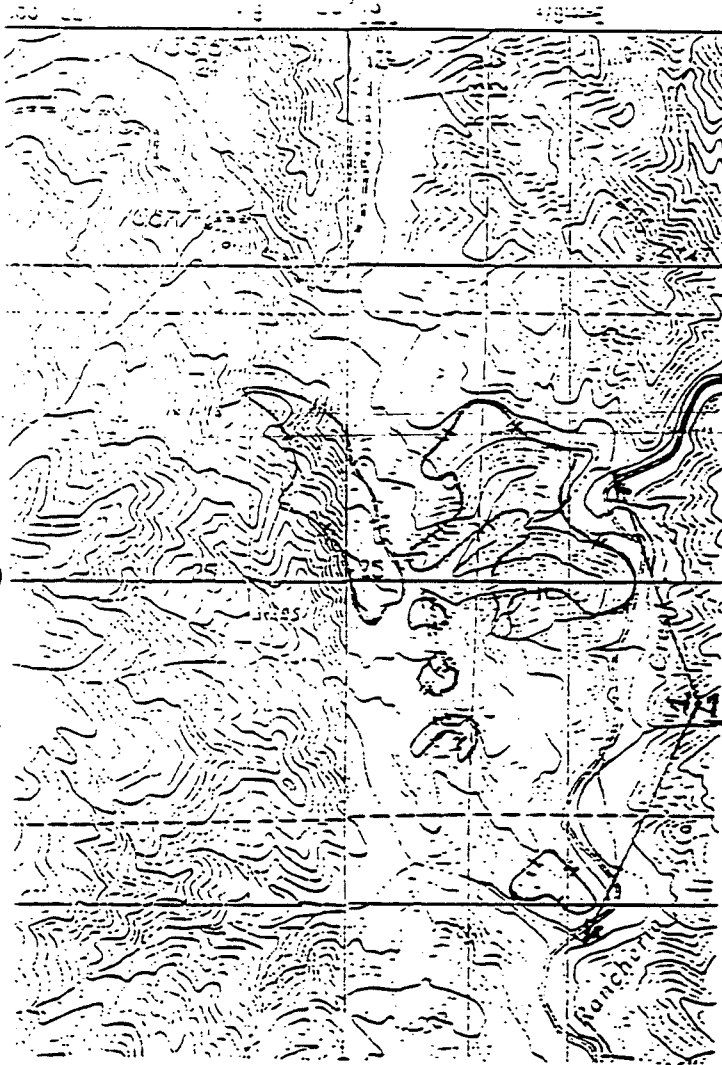
AUG 05 1997

Galbreath Ranch
Hiatt #6
1997

APR 08 1999
COAST AREA OFFICE
RESOURCE MANAGEMENT

T 12 N

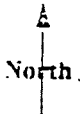
R 12 & 13 W





RECEIVED

APR 08 1999

COAST AREA OFFICE
RESOURCE MANAGEMENT



Legend:

Approximate Plan Area Boundary 
Area of Stream Channel Survey 

1

Map Scale is 1" = 2,000'

31

Revised 4/8/99 KW

AUG 05 1997

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.)

- 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 and stream channel survey summary

- 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 X or No

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

AUG 05 1997

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) |

AUG 05 1987

- 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.

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 (N) |
| 2. Increased channel downcutting or bank erosion from increased flows, sediment transport, or other stream modifications? | Y (N) |
| 3. Additional openings along stream channels that could result in unacceptable increases in water temperatures. | Y (N) |
| 4. New inputs of organic debris to streams or lakes ? | Y (N) |
| 5. Extraction of large organic debris from streams or lakes? | Y (N) |
| 6. Chemical inputs to streams or lakes? | Y (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 (L) |
| 2. The proposed project combined with the effects of past projects and the expected impacts of future projects listed in Part F? | H M (L) |

AUG 05 1997

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.

Comments: please see addendum

AUG 05 1997

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.

AUG 05 1987

- 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:

	<u>Yes after mitigation</u>	<u>No after mitigation</u>	<u>No reasonably potential significant impacts</u>
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.

AUG 05 1997

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 (M) L N	H M (L) N	H (M) L N
2. Amount of downed large woody debris.....	(H) M L N	(H) M L N	(H) M L N
3. Presence of multistory canopy.....	H M (L) N	H M (L) N	H M (L) N
4. Road density.....	H (M) L N	H (M) L N	H (M) L N
5. Presence of hardwoods	H (M) L N	(H) M L N	H (M) L N
6. Presence of late seral forest characteristics	H M L (N)	H M L (N)	H M L (N)
7. Continuity of late seral stage forest.....	H M L (N)	H M L (N)	H M L (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.....	(Y) N	(Y) N
2. Deer migration corridors....	Y (N)	Y (N)
3. Deer winter range.....	(Y) N	(Y) N
4. Deer summer range.....	(Y) N	(Y) N
5. Wetlands.....	Y (N)	Y (N)
6. Riparian areas.....	(Y) N	(Y) N
7. Other.....	Y N	Y N

AUG 05 1997

Will your operation significantly effect the use of these areas by wildlife? ___ Yes X 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

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

F. Impacts Evaluation

AUG 05 1997

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 X

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)..... X
- 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.

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

AUG 05 1997

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.

AUG 05 1997

- 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).

AUG 05 1997

- 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

AUG 05 1997

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 include salmonid and aquatic habitat. 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 a tributary to 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 15 THP's located at least partially within the CWE assessment area during the past 10 years. These harvest permits cover an acreage of approximately 2914 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 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.

AUG 05 1987

Prior Harvest History Rancheria Creek CWE 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
1-95-082M	102	tractor	clear-cut, selection, seed tree removal
1-95-261M	291	tractor/helicopter	sanitation salvage, rehabilitation
			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
1-96-284M	171	tractor	selection, seed tree, seed tree removal
1-97-086M	134	tractor	seed tree removal, seed tree, clear-cut

* acreage within assessment area
 ** no substantial operations per completion report
 Total acres with harvest permits during the previous ten years = 2914 ac.

F. Future Projects

I am aware one additional harvest which is being planned within the CWE assessment area at this time. This project will consist of approximately 20 acres of tractor harvesting utilizing selection and seed tree removal silvicultural methods. 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 were 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.

- a) Heavy equipment operation in the WLPZ is strictly limited.
- b) Soil disturbance on steep slopes will be minimized by using existing skid trails which generally lead away from the fluvial system.
- c) Steep areas which are not suitable for ground based skidding equipment have been deleted from the plan area.
- d) LTO's use caution when handling fuel and other potential stream contaminants.
- e) No winter operations are proposed.

Soil Productivity Impacts

AUG 05 1997

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 one Northern Spotted Owl sighting 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. 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 15 THP's located at least partially within the terrestrial biological assessment during the past 10 years. These harvest permits cover an acreage of approximately 2914 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, clearcut, selection 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.

AUG 05 1997

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
1-95-082M	102	tractor	clear-cut, selection, seed tree removal
1-95-261M	291	tractor/helicopter	sanitation salvage, rehabilitation
1-95-339M	109*	tractor/cable	seed tree seed step, selection, seed tree removal, sanitation salvage, rehabilitation
1-95-496M	082	tractor	selection, group selection
1-96-284M	171	tractor	selection, seed tree removal, rehabilitation
1-97-086M	134	tractor	selection, seed tree, seed tree removal
			seed tree removal, seed tree, clear-cut
* acreage within assessment area			
** no substantial operations per completion report			
Total acres with harvest permits during the previous ten years = 2914 ac.			

I am aware one additional harvest which is being planned within the terrestrial biological assessment area at this time. This project will consist of approximately 20 acres of tractor harvesting utilizing selection and seed tree removal silvicultural methods. 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.

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 assessment area is the portion of the plan area which could be visible to significant numbers of people who are no more than 3 miles away as described in Technical Rule Addendum #2. The plan area is visible from the Elk Horn County Road. When viewed from public vantage points which are limited to the Elk Horn County road, the plan area will maintain a substantially vegetated and forested appearance due to the presence of advanced regeneration and the range of silvicultural methods proposed. The proposed harvest will not be visually inconsistent with other harvests which occur routinely in this area and therefore an adverse cumulative visual effect is not likely to occur. Slash reduction associated with fire protection zones will reduce visual impacts when the harvest area is viewed from the County road.

Vehicular Impacts

AUG 05 1987

The cumulative vehicular impacts assessment area is the haul route which is shown on the THP Haul Route Map, and Elk Horn Road 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 are 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) The Natural Diversity Data Base
- 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 acreage's)
- 14) Soil Survey Report Mendocino County Western Part; USDA Soil Conservation Service; (Preliminary) 1987.

PLANNING

AUG 05 1997

- 15) A Guide for Management of Landslide Prone Terrain in the Pacific Northwest; British Columbia Ministry of Forests; 1994.

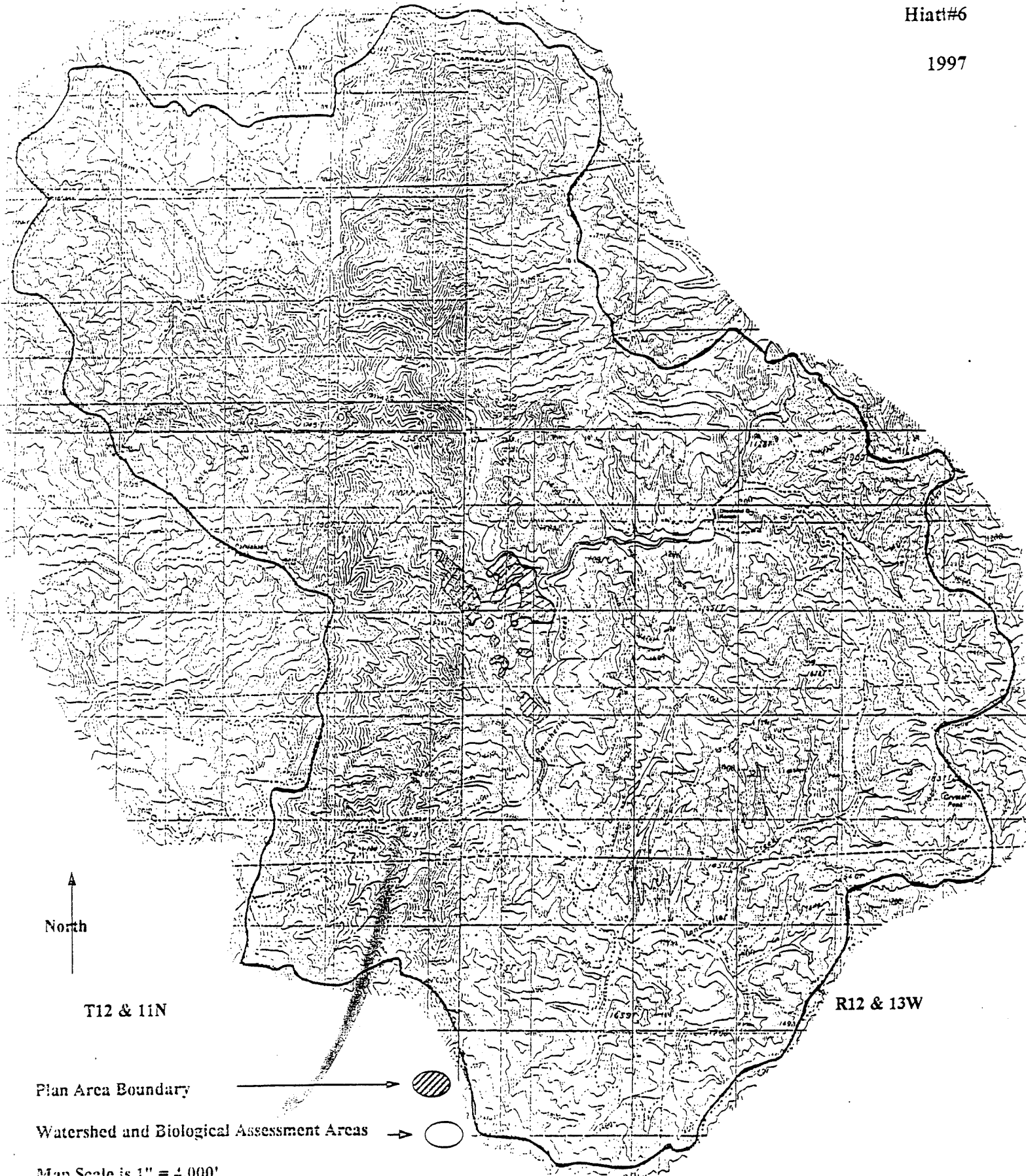
MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

PLAN ADDENDUM

AUG 05 1997

Hiatt#6

1997



MAP TO ACCOMPANY
TIMBER HARVESTING PLAN

PLAN ABSTRACT
AUG 05 1997

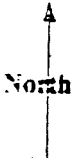
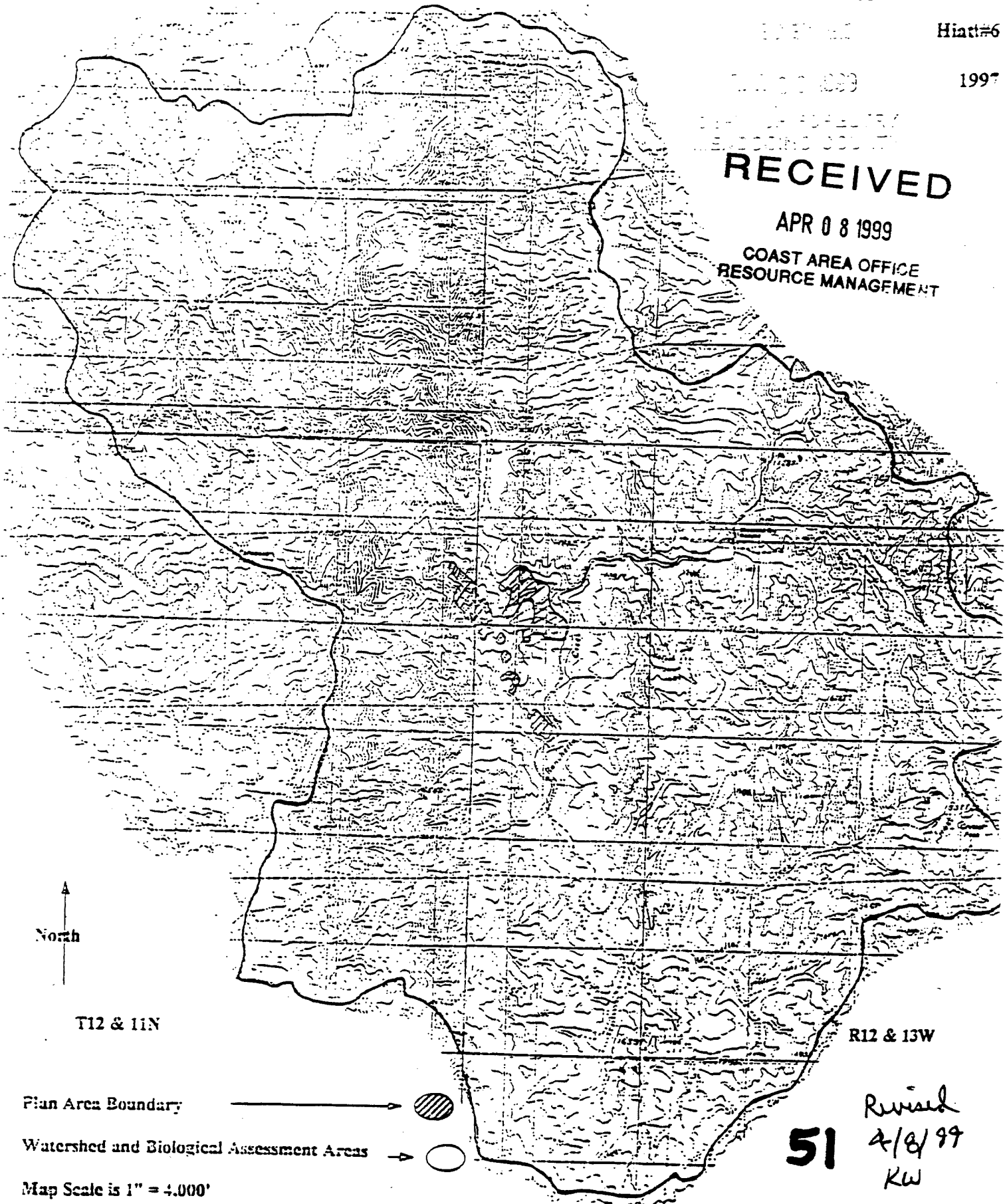
Hiatt#6

1997

RECEIVED

APR 08 1999

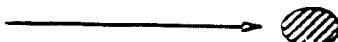
COAST AREA OFFICE
RESOURCE MANAGEMENT



T12 & 11N

R12 & 13W

Plan Area Boundary



Watershed and Biological Assessment Areas



Map Scale is 1" = 4,000'

51

Revised
4/8/99
KW



TIMBER HARVEST PLAN SECTION 5

**Galbreath Ranch
Hiatt #6**

1997

APPENDIX A

**ADDITIONAL INFORMATION CONCERNING THE
NORTHERN SPOTTED OWL**

**Galbreath
Hiatt #6
1997**

Yorkville

Timber Harvest Plan

Date: 6/20/97

TO: California Department of Forestry and Fire Protection
From: California Department of Fish and Game
Subject: No Take Certification for the northern spotted owl.

In/on 6/30/97 I surveyed the Malibu property off of Elkhorn road in Malibu County. The proposed plan consists of about 100 acres. This area is not utilized by northern spotted owls for the following reasons:

- Urbanized Area
- Flat or relatively flat ground/ lack of topography
- Proximity to ocean
- Past calling records for NSOs
- Insufficient canopy cover
- Non contiguous forest cover at landscape level
- No available water
- Other, described as area but is designated as timberland

Past calling records are located in the files for the following adjacent or nearby Timber Harvesting Plans:
See east Malibu THP's

Based upon my personal knowledge of the area and the above information it is my best professional judgment that the plan as presently proposed is not likely to result in the take of a northern spotted owl.

Theodore W. Wooster
Theodore W. Wooster
Environmental Specialist IV

PLAN ADDENDUM

AUG 05 1997

NORTHERN SPOTTED OWL DATABASE
Recorded Observation Information Request
(One plan only per each request)

TO: California Department of Forestry and 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: Hiat #6
County (s): Mendocino

Legal Description of Plan Area

Tnshp 12N, Rng 13W, Sctn (s) 25
Tnshp 12N, Rng 12W, Sctn (s) 30
Tnshp 12N, Rng 12W, Sctn (s) 31
Tnshp , Rng , Sctn (s)

Legal Description of Sections within 1.3 miles of Plan Area

Tnshp 12N, Rng 13W, Sctn (s) 13; 14; 23; 24; 25; 26; 35;
Tnshp 12N, Rng 13W, Sctn (s) 36;
Tnshp 12N, Rng 12W, Sctn (s) 18; 19; 20; 29; 30; 31; 32;
Tnshp 11N, Rng 13W, Sctn (s) 1;
Tnshp 11N, Rng 12W, Sctn (s) 6; 5;

Map: Attached is a map showing the location of potential operations taken from the Usgs 7.5
minute topographic Quadrangle(s) Gube Mountain, Ormbaun, Yorkville, Bigfoot Mountain.

SIGNATURE: *Susan Lee* RPF # 2127

CDF Use Only

DATE RECEIVED:

DATE RESPONSE MAILED: 7-16-97

REQUEST ID NUMBER: 1298
INSORQST.4M

RECEIVED

JUL 16 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

MAP TO ACCOMPANY REQUEST FOR NORTHERN SPOTTED OWL RECORDS CHECK

RECEIVED

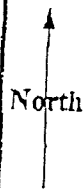
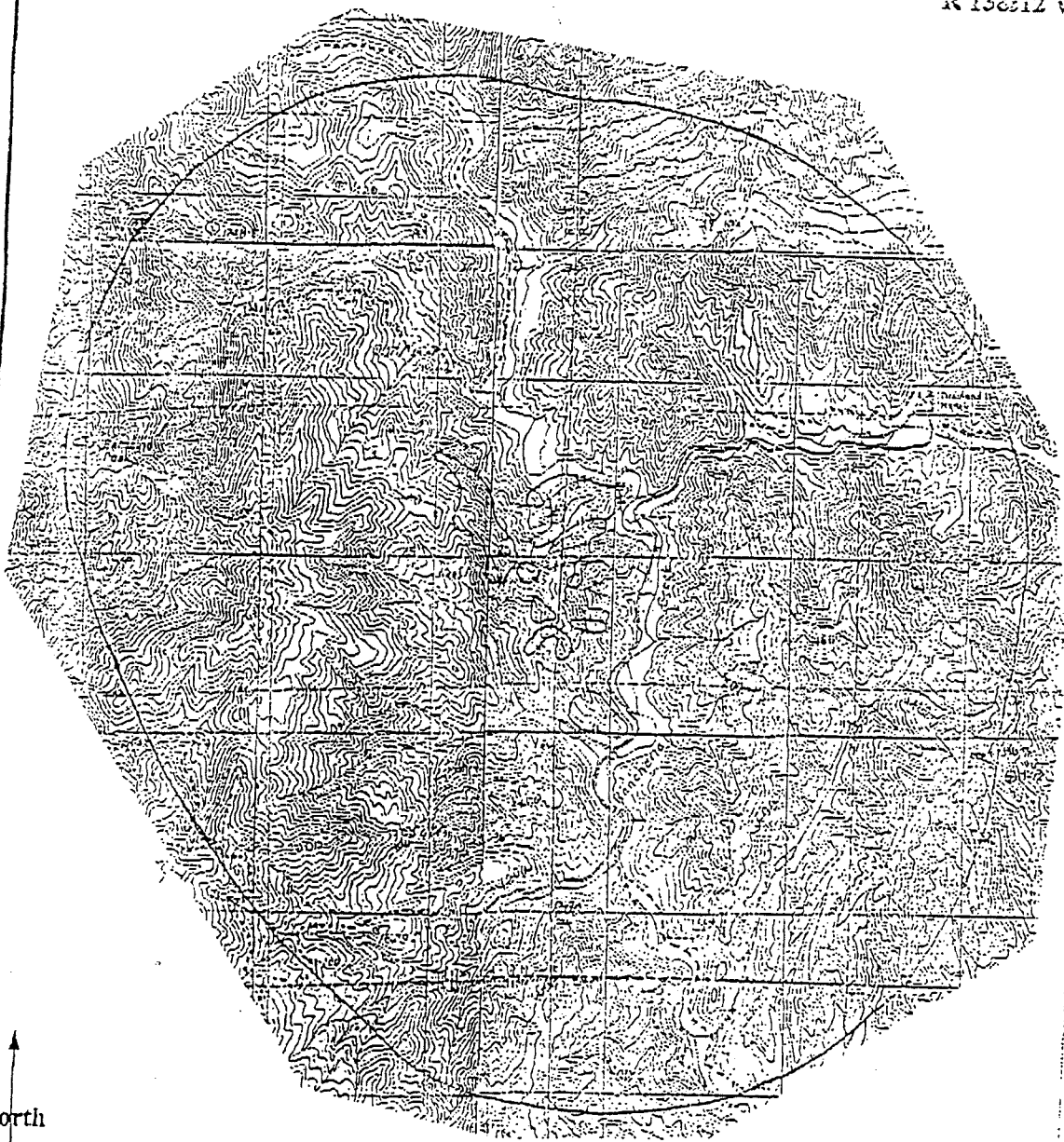
AUG 07 1997



Hiat #6

1997

T 12 N

R 13&12 W



Legend: Approximate Plan Area 
 1.3 Mile Radius Biological Assessment Area 
 Map Scale is 1" = 3,294'

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

NORTHERN SPOTTED OWL DATABASE MANAGEMENT SYSTEM

Version 2.0

JANUARY 16, 1997

PLMADGEN001

REPORT #1

DATA

AUG 05 1997

REPORT OF AREAS SEARCHED

COUNTY	TOWNSHIP	RANGE	SECTION	TERRITORY
áááááá	áááááááá	ááááá	ááááááá	ááááááááá
MD	11N	12W	5	** NO OWLS KNOWN **
MD	11N	12W	6	** NO OWLS KNOWN **
MD	11N	13W	1	** NO OWLS KNOWN **
MD	12N	12W	18	** NO OWLS KNOWN **
MD	12N	12W	19	** NO OWLS KNOWN **
MD	12N	12W	20	** 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	13	MD216
MD	12N	13W	14	** 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	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.

RPF: LEE SUSAN
RQST. NO.: ~~1391~~
1391

#: 2127

07/17/97
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 16, 1997
DATA

REPORT #2

MANAGEMENT

REPORT OF TERRITORIES FOUND

AUG 05 1997

LOCALE	TWN	RNG	SECT	1/4	1/16	1/64	OWNER	YEAR	TERR.	NEST/YNG
áááááááááááááááááá	ááá	ááá	áááá	ááá	áááá	áááá	TYPE OWNER	VERIFIED	KNOWN	áááááááááá
TERRITORY: MD216										
RANCHERIA CR	12N	13W	3	SW	NE		PVT	91	- P	-

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANTATION SHEET" DATED AFTER JANUARY 1, 1994.

RPF: LEE SUSAN
 RQST. NO.: 13~~83~~
 91

#: 2127

07/17/97
 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 16, 1997
 DATA

PLAIN ADDENDUM

AUG 05 1997

REPORT #3

REPORT OF SIGHTINGS REPORTED FOR TERRITORIES FOUND

TWN	RNG	SECT	1/4	1/16	1/64	DATE SEEN	TIME SEEN	OBSERVER	NO. OF OWLS	AGE-SEX	PAIR	NO. OF YNG
ááá	ááá	áááá	ááá	áááá	áááá	áááááááá	áááááá	áááááááááááááááá	áááá	áááá	áááá	ááá
TERRITORY: MD216												
12N	13W	3				11/29/90	0	WOOSTER	0			0
12N	13W	3				12/01/90	0	WOOSTER	0			0
12N	13W	3				12/28/90	0	WOOSTER	0			0
12N	13W	3	SW	NE		04/22/91	0	WOOSTER	2	UMUF	Y	0
12N	13W	3	SW	NE	E	05/01/91	0	WOOSTER	2	UMUF	Y	0
12N	13W	3	SW	NE	E	05/15/91	0	WOOSTER	1	UM		0
12N	13W	3	SW	NE	E	05/22/91	0	WOOSTER+	1	UM		0
12N	13W	3	SW	NE		05/22/91	0	WOOSTER+	2	UMUF	Y	0
12N	13W	3				06/01/91	0	WOOSTER	2	UMUF	Y	0
12N	13W	3	SE	NW	CW	06/04/91	0	WOOSTER	2	UMUF	Y	0
12N	13W	3				06/07/91	0	WOOSTER	1	UF		0
12N	13W	3				07/03/91	0	WOOSTER	0			0
12N	13W	3	SW	NE	E	07/17/91	0	WOOSTER	2	UMUF	Y	0
12N	13W	3				07/26/91	0	WOOSTER	2	UMUF	Y	0
12N	13W	3	SW	NE		09/27/91	0	WOOSTER	1	UU		0
12N	13W	13				10/22/91	0	WOOSTER	1	UM		0
12N	13W	3	SW	NE		11/05/91	0	WOOSTER	1	UF		0
12N	13W	3				12/13/91	0	WOOSTER	0			0
12N	13W	3	SW	NE		12/26/91	0	WOOSTER	1	UM		0
12N	13W	3				03/27/92	0	WOOSTER	0			0

NOTE: FOR AN EXPLANATION OF THE DATA COLUMNS, USE A "DATABASE REPORT EXPLANTATION SHEET" DATED AFTER JANUARY 1, 1994.

PLAN ADDENDUM

AUG 05 1997

APPENDIX B

CONFIDENTIAL ARCHAEOLOGICAL ADDENDUM

Galbreath
Hiatt #6
1997

Yorkville

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

NOTE

Information concerning archeological sites has been removed from this THP, 1-97-328 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.

PLANNING

AUG 05 1997

TIMBER HARVEST PLAN SECTION 6

**Galbreath Ranch
Hiatt #6**

1997

Summit Forestry

STATE OF CALIFORNIA
BOARD OF FORESTRY

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

I. SOIL FACTORS		Casabonne-Wholly loams (A) Yorkville-Hopland association (B)			FACTOR RATING BY AREA		
A. SOIL TEXTURE	Fine	Medium	Coarse	A	B	C	
1. DETACHABILITY RATING	Low	Moderate	High				
	1-9	10-18	19-30	17	17		
2. PERMEABILITY RATING	Slow	Moderate	Rapid				
	5-4	3-2	1	2	3		

B. DEPTH TO RESTRICTIVE LAYER OR BEDROCK		FACTOR RATING BY AREA				
	Shallow	Moderate	Deep	A	B	C
RATING	1"-19"	20"-39"	40"-60" (+)			
	15-9	8-4	3-1	4	6	

C. PERCENT SURFACE COARSE FRAGMENT GREATER THAN 2 MM IN SIZE
INCLUDING ROCKS OR STONES

RATING	Low	Moderate	High	FACTOR RATING BY AREA
	(-) 10-39%	40-70%	71-100%	
	10-6	5-3	2-1	A 9 10 B C
SUBTOTAL				32 36 0

II. SLOPE FACTOR		FACTOR RATING BY AREA					
SLOPE RATING	5-15%	16-30%	31-40%	41-50%	51-70%	71-80% (+)	
	1-3	4-6	7-10	11-15	16-25	26-35	8

III. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE		FACTOR RATING BY AREA				
RATING	Low	Moderate	High	A	B	C
	0-40%	41-80%	81-100%	9	10	
	15-8	7-4	3-1	32	36	0

IV. TWO-YEAR, ONE HOUR RAINFALL INTENSITY (Hundredths Inch)		FACTOR RATING BY AREA				
RATING	Low	Moderate	High	A	B	C
	(-) 30-39	40-59	60-69	12	12	
	1-3	4-7	8-11	66	61	0

EROSION HAZARD RATING			THE DETERMINATION IS		
LOW (L)	MODERATE (M)	HIGH (H)	EXTREME (E)		
<50	50-65	66-75	>75	H	M

PLN ADDENDUM

AUG 05 1997

Summit Forestry

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

07/23/97

Mr. Fred Galbreath
PO Box 188
Kentfield, CA 94904

Dear Mr. Galbreath,

Pursuant to item "13 a" 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 California Code of Regulations Title 14 CCR 1035 specifies plan submitter responsibilities pertinent to the harvesting of timber. A copy of Title 14 CCR 1035 has been enclosed for your reference.

2) 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.

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.

year and support aquatic vegetation, grasses and fords as their principal relative cover.

NOTE: Authority cited: Sections 4526, 4551, 4551.5 and 4553, Public Resources Code. Reference: Sections 4526 and 4561, Public Resources Code.

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. 36).
5. Change without regulatory effect (Register 89, No. 25).
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.
8. Repealer of "Co-dominant," "Dominant," "Lake," "Logging Area," "Seed Tree," "Skidding or Yarding," "Skid trails," "Tractor roads" and "Waterbreak" filed 1-7-94; operative 3-1-94 (Register 94, No. 1).
9. Pacific Yew under "Commercial species" repealed by operation of Government Code section 11346.1 (Register 94, No. 20).

¹All 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:

C. Scenic View Corridors

- a. 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), Mattole 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), Scotty 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 (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. The site occupancy provided by Group A species shall not be reduced relative to

Group B species. When considering site occupancy, the Director shall consider the potential long term effects of relative site occupancy of Group A species versus Group B species as a result of harvest. If Group A species will likely recapture the site after harvest, Group B species do not need to be reduced. The time frames for recapturing the site shall be consistent with achieving MSP. The Director may prohibit the use of Group A and/or B commercial species which are non-indigenous or are not physiologically suited to the area involved. Exceptions may be approved by the Director if the THP provides the following information and those exceptions are agreed to by the timberland owner:

(1) Explain and justify with clear and convincing evidence how using Group A nonindigenous, or Group B species to meet the resource conservation standards will meet the intent of the Forest Practice Act as described in PRC Section 4513. The discussion shall include at least:

- (A) the management objectives of the post-harvest stand;
- (B) a description of the current stand, including species composition and current stocking levels within the area of Group B species. The percentage can be measured by using point-count, basal area, stocked plots, or other method agreed to by the Director.
- (C) the percentage of the post-harvest stocking to be met with Group B species. Post harvest percentages will be determined on the basis of stocked plots. Only the methods provided by 14 CCR 1070-1075 shall be used in determining if the standards of PRC Section 4561 have been met.

(D) a description of what will constitute a countable tree, as defined by PRC Section 4528 for a Group B species and how such a tree will meet the management objectives of the post-harvest stand.

The Director, after an initial inspection pursuant to PRC Section 4504, shall approve use of Group B species, as exceptions to the pre-harvest percentage standard, if in his judgement the intent of the Act is met, and there will not be an immediate significant and long-term impact to the natural resources of the state.

NOTE: Authority cited: Sections 4551, 4553 and 4561.1, Public Resources Code. Reference: Sections 4561 and 4561.1, Public Resources Code.

HISTORY

New NOTE filed 2-21-79 as procedural and organizational; effective upon filing (Register 79, No. 9).

Editorial correction filed 12-2-82 (Register 82, No. 49).

Editorial correction filed 8-29-84; effective thirtieth day thereafter (Register 84, No. 35).

Amendment filed 9-9-88; operative 10-9-88 (Register 88, No. 38).

Amendment of subsection (c) and (c)(1) filed 1-7-94; operative 3-1-94 (Register 94, No. 1).

Amendment of subsection (c) filed 5-16-94; operative 5-16-94 (Register 94, No. 20).

912.8. Progeny, Clonal, or Provenance Testing Stocking Standard Exemption.

Pursuant to PRC 4561.7, the following standards shall apply to the request for an exemption from the stocking standards of the Act for progeny, clonal, or provenance testing.

(a) Any THP submitted pursuant to Section 4561.7 of the Public Resources Code shall include the following information, in addition to other requirements of the rules of the Board.

- (1) A specific request for an exemption from stocking standards; and
 - (2) A description of the testing to be conducted on the site.
- (b) An exemption from stocking shall become effective upon the Director's determination that the timber harvesting plan is in conformance with the rules and regulations of the Board.

NOTE: Authority cited: Sections 4551 and 4561.7, Public Resources Code. Reference: Sections 4561.7 and 4562.75, Public Resources Code.

HISTORY

New section filed 12-11-86; effective thirtieth day thereafter (Register 86, No. 50).

§ 912.9. Cumulative Impacts Assessment Checklist.

STATE OF CALIFORNIA
BOARD OF FORESTRY
CUMULATIVE IMPACTS ASSESSMENT

(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 ___ No ___

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

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

Yes ___ 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?

	Yes after mitigation (a)	No after mitigation (b)	No reasonably potential significant effects (c)
1. Watershed	_____	_____	_____
2. Soil Productivity	_____	_____	_____
3. Biological	_____	_____	_____
4. Recreation	_____	_____	_____
5. Visual	_____	_____	_____
6. Traffic	_____	_____	_____
7. Other	_____	_____	_____

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

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 the 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 this determination. 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.

(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.

BOARD OF FORESTRY
TECHNICAL RULE ADDENDUM NO. 2
CUMULATIVE IMPACTS ASSESSMENT

Introduction

The purpose of this addendum is to guide the assessment of cumulative impacts as required in 14 CCR §98 and 1034 that may occur as a result of proposed timber operations. This assessment shall include evaluation of both on-site and off-site interactions of proposed project activities with the impacts of past and reasonably foreseeable future projects.

In conducting an assessment, the RPF must distinguish between on-site impacts that are mitigated by application of the Forest Practice Rules and the interactions of proposed activities (which may not be significant

FLM ADDENDUM

AUG 05 1997

Summit Forestry

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

05/23/97

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

History

Repealing and amending Section 1034.1 to Section 1034.2, and adding Section 1034.2, effective thirtieth day thereafter (Register 82, No. 3).

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 responsibility 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.

The plan submitter shall notify the Director prior to commencement of plan 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

Repealer and new section filed 9-26-89; operative 10-26-89 (Register 89, No. 40). For prior history, see Register 88, No. 32.

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 include, but is not limited to, field work in identifying watercourse and protection zones or special treatment areas, marking trees, or other activities. The RPF is only responsible for the activities set forth in the plan when employed for that purpose, or required by the rules of the board.

- (b) In writing, inform the plan submitter(s) of their responsibility pursuant to Section 1035 of this Article, and the timberland owner(s) of their responsibility for compliance with the requirements of the Act and where applicable, Board rules regarding site preparation, stocking, and maintenance of roads, landings, and erosion control facilities.

NOTE: Authority cited: Sections 4551 and 4552, Public Resources Code. Reference: Sections 4583.2 and 4583.5, Public Resources Code.

History

Repealer and new section filed 9-26-89; operative 10-26-89 (Register 89, No. 40). For prior history, see Registers 88, No. 32 and 79, No. 44.

1035.2. Interaction Between RPF and LTO.

From the start of the plan preparation process but before commencement of operations, the responsible RPF or supervised designee familiar with on-site conditions, shall meet with either the LTO, or supervised designee,

who will be on the ground and directly responsible for the harvesting operation. The meeting shall be onsite if requested by either the RPF or LTO. If any amendment is incorporated to the plan by an RPF after the first meeting, the RPF shall comply with the intent of this section by explaining relevant changes to the LTO; if requested by either the RPF or LTO, another on-site meeting shall take place.

The intent of any such meeting is to assure that the LTO:

- (a) Is advised of any sensitive on-site conditions requiring special care during operations.
- (b) Is advised regarding the intent and applicable provisions of the approved plan including amendments.

NOTE: Authority cited: Sections 4551 and 4552, Public Resources Code. Reference: Sections 4581 and 4582, 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 Registers 88, No. 32 and 79, No. 44.

§ 1035.3. Licensed Timber Operator Responsibilities.

Each Licensed Timber Operator shall:

- (a) Inform the responsible RPF or plan submitter, either in writing or orally, of any site conditions which in the LTO's opinion prevent implementation of the approved plan including amendments.
- (b) Be responsible for the work of his or her employees and familiarize all employees with the intent and details of the operational and protection measures of the plan and amendments that apply to their work.
- (c) Keep a copy of the applicable approved plan and amendments available for reference at the site of active timber operations.
- (d) Comply with all provisions of the Act, Board rules and regulations, the applicable approved plan and any approved amendments to the plan.

NOTE: Authority cited: Sections 4551, 4552 and 4571, Public Resources Code. Reference: Sections 4528.5 and 4571, Public Resources Code.

History

1. New section filed 9-26-89; operative 10-26-89 (Register 89, No. 40).

§ 1035.4. Notification of Commencement of Operations.

Each calendar year, within fifteen days before, and not later than the day of the start up of a timber operation, the Timber Harvesting Plan Submitter, unless the THP identifies another person as responsible, shall notify CDF of the start of timber operations. The notification, by telephone or by mail, shall be directed to the appropriate CDF Ranger Unit Headquarters, Forest Practice Inspector, or other designated personnel.

NOTE: Authority cited: Sections 4551, 4551.5, 4553 and 4604, Public Resources Code. Reference: 4551, 4551.5 and 4582, Public Resources Code.

History

1. New section filed 7-28-88; operative 8-27-88 (Register 88, No. 32).

§ 1036. Deviations.

(a) "Minor deviations" means any change, minor in scope, in a plan which can reasonably be presumed not to make a significant change in the conduct of timber operations and which can reasonably be expected not to significantly adversely affect timberland productivity or values relating to soil, water quality, watershed, wildlife, fisheries, range and forage, recreation, and aesthetic enjoyment.

(b) All other changes are presumed to be substantial deviations because they could significantly affect the conduct of timber operations and potentially could have a significant adverse affect on timber productivity or values relating to soil, water quality, watershed, wildlife, fisheries, range and forage, recreation, and aesthetic enjoyment. Such actions include, but are not limited to:

- (1) Change in location of timber harvesting operations or enlargement of the area to be cut.
- (2) Change in the silvicultural method and cutting system on any portion of the plan area.
- (3) Change in type or location of logging (yarding) system or basic type of equipment.
- (4) Change in location, nature or increase in length of proposed logging roads incorporating one or more of the following criteria:
 - (A) Any road in the Stream Protection Zone or where sidecast will extend into the Stream Protection Zone

NOTICE OF INTENT TO HARVEST TIMBER

RECEIVED
AUG 05 1997

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 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: 8/21/97

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 date the actual public comment period closes.

The plan or amendment was submitted to the Department on: 8/6/97

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

California Department of Forestry & Fire Protection
Forest Practice Program
135 Ridgeway Avenue (PO 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. Timber land 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 the individual who submitted the plan or amendment: Charlie Hiatt

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

Portion of Section 25, T12N, R13W, & Sections 30 & 31, T12N R12 W, MDB&M, Mendocino County.
The plan area is approximately 4.5 miles south of Yorkville

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

Rancheria Creek is adjacent to the plan area.

6. Acres proposed to be harvested: 104

7. The regeneration methods and/or intermediate treatments to be used:
Clear-cut, seed tree seed step, seed tree removal, and Selection.

8. Is there a known overhead power line, except lines from transformers or service panels, within the plan area?
Yes ___ no XX

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 _____

FINAL VERSION

AUG 05 1997

ADJACENT OWNER INFORMATION IN MAILING LABEL FORMAT

Bridges, Floyed T ³/₄ et al c/o Carl Moerdyke
PO Box 449
Palo Alto, CA 94302

Lawson, William TTEE
PO Box 235
Yorkville, CA 95494

Bickell, Thomas E.
32320 Obayley DR.
Fort Bragg, CA 95437

Foppiano, Louis & Della TTEES et all
P.O. Box 606
Healdsburg, CA 95448

PROOF OF PUBLICATION

(2015.5 C.C.P.)

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-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

JULY 27

all in the year 1997.

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

Dated at Ukiah, California, this 29 day of July, 1997.

Shirley H. McCarthy
Legal Clerk

This space is for the County Clerk's Filing Stamp

RECORDED

AUG 8 5 1997

Proof of Publication of:

PUBLIC NOTICE

PUBLIC NOTICE

550-97

7-27/97

A timber harvest plan is being prepared on private property which is located in the Rancheria Creek Drainage. The legal description for the area where timber harvest is to occur is as follows: portion of Section 25, T12N, R13W, and Sections 30 & 31, T12N, R12W, M.D.B.M. Information is being requested concerning the presence of domestic water supplies which use this watercourse as their source. Please provide any pertinent information within 10 days from the date of this publication to: Summit Forestry, 16575 Franklin Road, Fort Bragg, CA 95437.

Summit Forestry

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

RECEIVED
AUG 05 1997

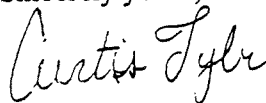
July 16, 1997

Lawson, William TTEE
PO Box 235
Yorkville, CA 95494

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 this stream 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 harvest is to occur is as follows: portion of Section 25, T12N, R13W, and Sections 30 & 31, T12N, R12W, M.D.B.M. 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,



Curtis Tyler
Forester