



COUNTY OF SANTA CRUZ

PLANNING DEPARTMENT

701 OCEAN STREET, SUITE 310, SANTA CRUZ, CA 95060
(831) 454-2580 FAX: (831) 454-2131 TDD: (831) 454-2123

ALVIN JAMES, DIRECTOR

Agenda Date: June 4, 2002

May 15, 2002

Board of Supervisors
County of Santa Cruz
701 Ocean Street
Santa Cruz, CA 95060

Subject: Proposal to rezone Assessor's Parcel Number 110-031-23 from the Special Use ("SU") zone district to the Timber Production ("TP") zone district. Requires a Rezoning. The property is located east of Highway 152 between the highway and the Santa Cruz and Santa Clara County line, access to the property is via Bella Vista Road, Watsonville. No situs.

Application Number: 00-0169
Assessor's Parcel Numbers: 110-031-23
Applicant: Webster and Associates
Owner: D and D Ranch

Members of the Board:

BACKGROUND

The County's General Plan Policy on Timber Resources is to "encourage timberland owners to apply for Timber Production Zoning where appropriate." Your Board adopted a resolution on April 14, 1998 establishing a flat fee of \$750 to process a rezoning to the Timber Production zone district, in order to facilitate appropriate rezoning of timberlands.

On March 8, 2000, the County Planning Department accepted this application for a rezoning to Timber Production (TP). This is a proposal to rezone a 25.8 acre parcel from the Special Use (SU) zone district to the Timber Production (TP) designation. This project qualifies for a statutory exemption (Attachment 2) in accordance with the California Environmental Quality Act and the County Environmental Review Guidelines (Article 17, Section 1703). County Code Section 13.10.375 (c) zoning to the TP district specifies the six criteria, which must be met in order to rezone to TP. The project meets the following six criteria for rezoning to Timber Production:

1. A map has been submitted with the legal description or assessor's parcel number of the property to be rezoned (Attachment 5, Exhibit B).
2. A Timber Management Plan, dated February 2000, prepared by a registered professional forester has been submitted for the property (Attachment 5, Exhibit H). The Timber

Management Plan has been reviewed and accepted by the Planning Department as meeting minimum standards (Attachment 5, Exhibit I).

3. The parcel currently meets the timber stocking standards as set forth in Section 4561 of the Public Resources Code and the Forest Practice Rules for the district in which the parcel is located.
4. The parcel is timberland, as the entire parcel is capable of producing a minimum of 15 cubic feet of timber per acre annually.
5. The uses on the parcel are in compliance with the Timber Production Zone uses set forth in Section 13.10.372.
6. The land area to be rezoned is in the ownership of one person, as defined in Section 38106 of the Revenue and Taxation Code, and is comprised of at least five acres in area.

In addition, the three required findings for rezoning have been prepared and are included with this staff report as Attachment 1.

On April 10, 2002, the Planning Commission heard this application at a noticed public hearing. The Planning Commission unanimously adopted Resolution 7-02 (Attachment 3), recommending approval of the rezoning of the subject parcel to your Board. Minutes of the Planning Commission meeting can be seen as Attachment 6.

DISCUSSION

Project Setting:

The project site is located in the Salsipuedes planning area with access at the end of Bella Vista Road, a private road and through an adjacent property owned by D & D Ranch (APN 110-111-05), which front on Highway 152 near Fallowfield Lane (Exhibit A of Attachment 5). All timber haul routes have been, and are proposed for future harvests, through APN 110-111-05 to the Highway 152 at the base of the Santa Cruz mountains. The subject parcel is roughly 25.8 gross acres and is undeveloped. The property has a history of timber harvesting and timber management activities. The property was clear-cut at the turn of the century, consequently no old growth trees remain. The majority of the subject parcel was selectively harvested in 1994 under Timber Harvest Plan (THP) 1-93-461 SCR with the remainder harvested under a later THP 1-97-122 SCR in 1997. The property is heavily forested with second growth redwood and isolated areas of oaks and related hardwoods. The Timber Management Plan (Attachment 5, Exhibit H) proposes to use the existing timber road system for future harvests. As demonstrated in the Timber Management Plan and verified in the field, the subject property is capable of producing at least 15 cubic feet of timber per acre annually, meeting the definition of timberland.

General Plan & Zoning Consistency

The project site has a 1994 General Plan land use designation of Agriculture with a General Plan Agricultural Resource designation of 1A (Prime Agricultural land). The property is not mapped as a Timber Resource designated area (Exhibit D). Nevertheless, the property is heavily forested. This

parcel is currently zoned Special Use. The Special Use and Timber Production zoning districts implement the Agriculture General Plan designation, as specified in Section 13.10.170 of the County Code. The Special Use zoning is inconsistent with the Agriculture Resource designations. All lands with an Agricultural Resource designation shall be maintained in the CA (Commercial Agriculture zone district), except for timber resources in TP zoning or parks or resource lands in PR or A-P (Agricultural Preserve) zoning. Thus, the proposed rezoning of a property, containing timber resources (although currently unmapped), with a Type 1A Agricultural Resource is consistent with General Plan Policy 5.13.4 – Zoning of Agricultural Resource Land.

The proposed rezoning is consistent with General Plan Objective 5.2 “Riparian Corridors and Wetlands”. Specifically, the subject parcel does not contain any streams meeting the definition of a riparian corridor set forth under General Plan Policy 5.2.1 and 5.2.7. The subject parcel is mapped within a large Biotic Resource area. The Biotic Resource is foraging grounds for over-wintering raptors. As the subject parcel is heavily forested, and the prime raptor foraging areas are the rolling grasslands further to the south, the proposed timber harvesting activities will not adversely affect this resource. Moreover, the parcel does not contain the habitat of concern or any other habitat meeting the definition of a Sensitive Habitat set forth in General Plan Policy 5.1.2. Therefore, the proposed rezoning to allow future timber harvesting is consistent with the General Plan Objective 5.1 for maintaining biological diversity. Timber harvesting and the roads and landings associated with timber harvesting will not create or exacerbate landslide or slope stability hazards to any nearby residences. Thus, the proposal is consistent with General Plan Objective 6.2 for protecting public health and safety from landslide hazards.

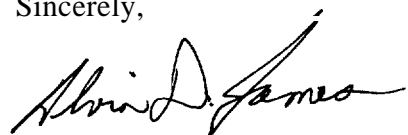
All of the criteria have been met for rezoning this parcel to the Timber Production zoning designation, in accordance with County Code Section 13.10.375, Special Standards and Conditions for the Timber Production (TP) District. All required findings can be made to approve this application and the rezoning is consistent with the General Plan policies and land use designations.

RECOMMENDATION

It is, therefore, RECOMMENDED that your Board, based on the attached Findings (Attachment 1):

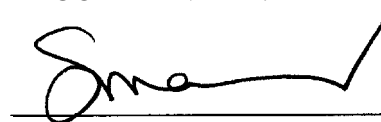
1. Approve the determination that the project is statutorily exempt from the California Environmental Quality Act (Attachment 2); and
2. Adopt the attached Ordinance amending Chapter 13.10 of the Santa Cruz County Code that Rezones Assessor’s Parcel Number 110-031-23 from the SU zone district to the TP zone district (Attachment 4); and
3. Direct the Planning Department to update the General Plan Timber Resources Map to include the entire area within the boundaries of Assessor’s Parcel Number 110-031-23 as Timber Resources.

Sincerely,



Alvin D. James
Planning Director

RECOMMENDED:



SUSAN A. MAURIELLO
County Administrative Officer

cc: Webster and Associates 2-2590 East Cliff Drive Santa Cruz, CA 95062
D & D Ranch, 99 Almaden Blvd. Suite 565 San Jose, CA 95113

Attachments:

1. Findings
2. CEQA Exemption
3. Planning Commission Resolution No 7-02
4. Ordinance Amending Chapter 13.10 of the County Code
5. Planning Commission Staff Report of April 10,2002
6. Planning Commission Minutes for April 10,200265
7. Correspondence

REZONING FINDINGS

1. THE PROPOSED ZONE DISTRICT WILL ALLOW A DENSITY OF DEVELOPMENT AND TYPES OF USES WHICH ARE CONSISTENT WITH THE OBJECTIVES AND LAND-USE DESIGNATIONS OF THE ADOPTED GENERAL PLAN; AND,

The rezone will allow a density of development and types of uses, which are consistent with the objectives, the Agriculture land use designation and the Type 1A Agricultural Resource designation. The uses will more closely conform with the General Plan as a result of the rezoning of a parcel which contains timber resources meeting the timber stocking requirements and has a history of timber growing and harvesting and is designated as Type 1A Agricultural Resource land.

The proposed rezoning is consistent with General Plan Objective 5.2 "Riparian Corridors and Wetlands". Specifically, the subject parcel does not contain any streams meeting the definition of a riparian corridor set forth under General Plan Policy 5.2.1 and 5.2.7. While the subject parcel is mapped within a large Biotic Resource - foraging grounds for over-wintering raptors. As the subject parcel is heavily forested, and the prime raptor foraging areas are the rolling grasslands further to the south, the proposed timber harvesting activities will not adversely affect this resource. The parcel does not contain the habitat of concern or any other habitat meeting the definition of a Sensitive Habitat set forth in General Plan Policy 5.1.2. Therefore, the proposed rezoning to allow future timber harvesting is consistent with the General Plan Objective 5.1 for maintaining biological diversity. Timber harvesting and the roads and landings associated with timber harvesting will not create or exacerbate landslide or slope stability hazards to any nearby residences. Thus, the proposal is consistent with General Plan Objective 6.2 for protecting public health and safety from landslide hazards.

2. THE PROPOSED ZONE DISTRICT IS APPROPRIATE OF THE LEVEL OF UTILITIES AND COMMUNITY SERVICE AVAILABLE TO THE LAND; AND,

The proposed TP zone district is appropriate to the level of utilities and community services available to the parcel. The subject parcel is accessed via a privately maintained road. The parcel is located outside of the Urban Services Line and is, therefore, rural in nature.

3. a) THE PROPOSED REZONING IS NECESSARY TO PROVIDE FOR A COMMUNITY RELATED USE WHICH WAS NOT ANTICIPATED WHEN THE ZONING PLAN WAS ADOPTED,

The proposed rezoning is necessary to provide for a community related use - timber harvesting and timberland management. Timber harvesting was permitted in the **SU** zone district in the past in certain circumstances under the jurisdiction of the County and later under the sole authority of the California Department of Forestry. Presently, timber harvesting is only allowed within the Timber Production, Parks and Recreation and Mineral Resources zone districts. The subject parcel contains timber stands meeting the timber stocking standards and was harvested in 1994 and 1997. The rezoning will allow the continuation of harvesting and management of timberlands on the subject parcel.

- b) THE PRESENT ZONING IS INCONSISTENT WITH THE DESIGNATION SHOWN ON THE GENERAL PLAN.

The present Special Use zoning is inconsistent with the 1994 General Plan Agricultural Resource designation of Type 1A, as set forth in General Plan Policy 5.13.4. The Timber Production zone district is consistent with the Type 1A Agricultural General Plan designation where the property contains timber resources. The proposed rezoning to TP will result in the designation of the parcel as Timber Resources and will correct the zoning and General Plan inconsistency.

**NOTICE OF EXEMPTION FROM THE
CALIFORNIA ENVIRONMENTAL QUALITY ACT**

ATTACHMENT 2

The County of Santa Cruz has reviewed the project described below and has determined that it is exempt⁰⁵³⁰ from the provisions of CEQA as specified in Sections 15061 - 15329 of CEQA for the reason(s) which have been checked on this document.

Application No. 00-0169

Assessor Parcel No. 110-031-23

Project Location: Located east of Highway 152 between the highway and the Santa Cruz and Santa Clara County lines, access to the property is via Bella Vista Road, Watsonville. No situs.

Project Description: Proposal to rezone Assessor's Parcel Number 110-031-23 from the Special Use ("SU") zone district to the Timber Production ("TP") zone district. Requires a rezoning.

Person or Agency Proposing Project: Webster and Associates

Phone Number: (831) 462-6237

- A. _____ The proposed activity is not a project under CEQA Guidelines, Sections 1928 and 501.
- B. _____ Ministerial Project involving only the use of fixed standards or objective measurements without personal judgement.
- C. XXX Statutory Exemption other than a Ministerial Project.
Specify type: Article 17, Section 1703. Timberland Preserves

D. Categorical Exemption

- | | |
|---|--|
| _____ 1. Existing Facility | _____ 17. Open Space Contracts or Easements |
| _____ 2. Replacement or Reconstruction | _____ 18. Designation of Wilderness Areas |
| _____ 3. New Construction of Small Structure | _____ 19. Annexation of Existing Facilities/Lots for Exempt Facilities |
| _____ 4. Minor Alterations to Land | _____ 20. Changes in Organization of Local Agencies |
| _____ 5. Alterations in Land Use Limitations | _____ 21. Enforcement Actions by Regulatory Agencies |
| _____ 6. Information Collection | _____ 22. Educational Programs |
| _____ 7. Actions by Regulatory Agencies for Protection of the Environment | _____ 23. Normal Operations of Facilities for Public Gatherings |
| _____ 8. Actions by Regulatory Agencies for Protection of Nat. Resources | _____ 24. Regulation of Working Conditions |
| _____ 9. Inspection | _____ 25. Transfers of Ownership of Interests in Land to Preserve Open Space |
| _____ 10. Loans | |
| _____ 11. Accessory Structures | _____ 26. Acquisition of Housing for Housing Assistance Programs |
| _____ 12. Surplus Govt. Property Sales | _____ 27. Leasing New Facilities |
| _____ 13. Acquisition of Land for Wildlife Conservation Purposes | _____ 28. Small Hydroelectric Projects at Existing Facilities |
| _____ 14. Minor Additions to Schools | _____ 29. Cogeneration Projects at Existing Facilities |
| _____ 15. Minor Land Divisions | |
| _____ 16. Transfer of Ownership of Land to Create Parks | |

E. _____ Lead Agency Other Than County:


Cathleen Carr, Project Planner

Date: 5/14/02

**BEFORE THE PLANNING COMMISSION
OF THE COUNTY OF SANTA CRUZ, STATE OF CALIFORNIA**

RESOLUTION NO. 7-02

0531

On the motion of Commissioner Osmer
duly seconded by Commissioner Bremner
the following Resolution is adopted:

**PLANNING COMMISSION RESOLUTION
SENDING RECOMMENDATION TO THE BOARD OF SUPERVISORS
ON PROPOSED AMENDMENT TO THE ZONING ORDINANCE**

WHEREAS, the Planning Commission has held a public hearing on Application No. 00-0169, involving property located east of Highway 152 between the highway and the Santa Cruz and Santa Clara County lines, access to the property is via Bella Vista Road, Watsonville, and the Planning Commission has considered the proposed rezoning, all testimony and evidence received at the public hearing, and the attached staff report.

NOW, THEREFORE, BE IT RESOLVED, that the Planning Commission recommends that the Board of Supervisors adopt the attached ordinance amending the Zoning Ordinance by changing property from the "SU" Special Use zone district to the "TP" Timber Production zone district.

BE IT FURTHER RESOLVED, that the Planning Commission makes findings on the proposed rezoning as contained in the Report to the Planning Commission.

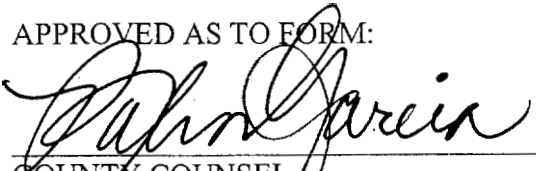
PASSED AND ADOPTED by the Planning Commission of the County of Santa Cruz, State of California, this 10th day of April, 2002, by the following vote:

AYES:	COMMISSIONERS	Holbert, Osmer, Bremner, Durkee
NOES:	COMMISSIONERS	
ABSENT:	COMMISSIONERS	Shepherd
ABSTAIN:	COMMISSIONERS	


DENNIS OSMER, Chairperson

ATTEST: 
CATHY GRAVES, Secretary

APPROVED AS TO FORM:


COUNTY COUNSEL

ORDINANCE NO. _____

**ORDINANCE AMENDING CHAPTER 13.10 OF THE SANTA CRUZ COUNTY
CODE CHANGING FROM ONE ZONE DISTRICT TO ANOTHER**

The Board of Supervisors of the County of Santa Cruz ordains as follows:

SECTION I

The Board of Supervisors finds that the public convenience, necessity, and general welfare require the amendment of the County Zoning Regulations to implement the policies of the County General Plan and Local Coastal Program Land Use Plan regarding the property located east of Highway 152 between the highway and the Santa Cruz and Santa Clara County line, access to the property is via Bella Vista Road, No situs, Watsonville; finds that the zoning established herein is consistent with all elements of the Santa Cruz County General Plan; and finds and certifies that all environmental regulations specified in the California Environmental Quality Act, the State and County Environmental Guidelines, and Chapter 16.01 of the County Code have been complied with by the preparation and approval of a Statutory Environmental Exemption for the project.

SECTION II

The Board of Supervisors hereby adopts the recommendations of the Planning Commission for the Zoning Plan amendment as described in Section III, and adopts their findings in support thereof without modification as set forth below:

1. The proposed zone district will allow a density of development and types of uses which are consistent with the objectives and land use designations of the adopted General Plan; and
2. The proposed zone district is appropriate of the level of utilities and community services available to the land; and
3. ☐ a) The character of development in the area where the land is located has changed or is changing to such a degree that the public interest will be better served by a different zone district; or
☒ b) The proposed rezoning is necessary to provide for a community related use which was not anticipated when the zoning plan was adopted; or
☐ c) The present zoning is the result of an error; or
☒ d) The present zoning is inconsistent with the designation shown on the General Plan.

SECTION III

Chapter 13.10, Zoning Regulations, of the Santa Cruz County Code is hereby amended by amending the County Zoning Plan to change the following property from the existing zone district to the new zone district as follows:

<u>Assessor's Parcel Number</u>	<u>Existing Zone District</u>	<u>New Zone District</u>
110-031-23	"SU"	"TP"

SECTION IV

This ordinance shall take effect on the 31st day after the date of final passage.

PASSED AND ADOPTED this 4th day of June, 2002, by the Board of Supervisors of the County of Santa Cruz by the following vote:

AYES: SUPERVISORS
NOES: SUPERVISORS
ABSENT: SUPERVISORS
ABSTAIN: SUPERVISORS

Jan Beautz
Chairperson of the Board of Supervisors

ATTEST: _____
Clerk of the Board

APPROVED AS TO FORM:



Asst. County Counsel

DISTRIBUTION: County Counsel
Assessor
Planning: Cathleen Carr
Bernice Romero

STAFF REPORT TO THE PLANNING COMMISSION

0534

APPLICATION NO.: 00-0169

APN: 110-031-23

APPLICANT: Webster and Associates

OWNER: D and D Ranch

PROJECT DESCRIPTION: Proposal to rezone Assessor's Parcel Number 110-031-23 from the Special Use ("SU") zone district to the Timber Production ("TP") zone district. Requires a rezoning.

LOCATION: The property is located east of Highway 152 between the highway and the Santa Cruz and Santa Clara County lines, access to the property is via Bella Vista Road, Watsonville. No situs.

FINAL ACTION DATE: Exempt from the Permit Streamlining Act (Legislative Action)

PERMITS REQUIRED: Zoning Ordinance Amendment

ENVIRONMENTAL DETERMINATION: Statutory exemption from CEQA per section 1703

COASTAL ZONE: yes XXno

PARCEL INFORMATION

PARCEL SIZE: 25.8 acres

EXISTING LAND USE: PARCEL: Timber production

SURROUNDING: Timber production, commercial agriculture, rural residential and vacant rural land

PROJECT ACCESS: Bella Vista Road a private right-of-way off of Highway 152

PLANNING AREA: Salsipuedes Planning Area

LAND USE DESIGNATION: "AG" Agriculture

ZONING DISTRICT: "SU" - Special Use

SUPERVISORIAL DISTRICT: Fourth

ENVIRONMENTAL INFORMATION

<u>Item</u>	<u>Comments</u>
a. Geologic Hazards	a. None mapped
b. Soils	b. Aptos loam, Lompico-Felton complex and Maymen-Madonna complex
c. Fire Hazard	c. Mapped in Critical Fire Hazard
d. Slopes	d. 15 to 75
e. Env. Sen. Habitat	e. Mapped biotic - raptor foraging
f. Grading	f. None proposed - existing logging roads and skid trails
g. Tree Removal	g. Future Timber Harvest Proposed **
h. Scenic	h. Not located in a designated scenic area
i. Drainage	i. N/A
j. Traffic	j. N/A
k. Roads	k. N/A
l. Parks	l. N/A
m. Sewer Availability	m. Not applicable
n. Water Availability	n. Not applicable
o. Archeology	o. Mapped Sensitive Archaeological Resource Area, an archaeological resource (historic cabin) noted during Timber Harvest Review **
p. Agriculture	p. Mapped Type 1A - Prime Agricultural land

** Report was required - Timber Management Plan (Exhibit H)

SERVICES INFORMATION

W/in Urban Services Line: ____yes XXno
Water Supply: Private Well
Sewage Disposal: Septic
Fire District: Pajaro Valley Fire Protection District
Drainage District: Zone 7

0535

ANALYSIS & DISCUSSION

Background

On March 8, 2000, the County Planning Department accepted this application for a rezoning to Timber Production (TP). This is a proposal to rezone a 25.8 acre parcel from the Special Use (SU) zone district to the Timber Production (TP) designation. County Code Section 13.10.375 (c) zoning to the TP district specifies the six criteria, which must be met in order to rezone to TP. This project qualifies for a statutory exemption (Exhibit F) in accordance with the California Environmental Quality Act and the County Environmental Review Guidelines (Article 17, Section 1703).

Project Setting

The project site is located in the Salsipuedes planning area with access at the end of Bella Vista Road, a private road (Exhibit A). The subject parcel is roughly 25.8 gross acres and is undeveloped. The property has a history of timber harvesting and timber management activities. The property was clear cut at the turn of the century, consequently no old growth trees remain. The majority of the subject parcel was selectively harvested in 1994 under Timber Harvest Plan (THP) 1-93-461 SCR with the remainder harvested under a later THP 1-97-122 SCR in 1997. The property is heavily forested with second growth redwood and isolated areas of oaks and related hardwoods. The Timber Management Plan (Exhibit H) proposes to use the existing timber road system for future harvests. As demonstrated in the Timber Management Plan and verified in the field, the subject property is capable of producing at least 15 cubic feet of timber per acre annually, meeting the definition of timberland,

The parcel is bordered on the southwest by TP zoned property, by an SU zoned parcel (with an application 00-0083 to rezone into TP) to the northwest, a CA zoned property (D & D Ranch) to the south and Santa Clara County along the entire eastern border. The Zoning Map for APN 110-031-23 and the surrounding parcels is included as Exhibit C.

General Plan & Zoning Consistency

The project site has a 1994 General Plan land use designation of Agriculture with a General Plan Agricultural Resource designation of 1A (Prime Agricultural land). The property is not mapped as a Timber Resource designated area (Exhibit D). Nevertheless, the property is heavily forested. This parcel is currently zoned Special Use. The Special Use and Timber Production zoning districts implement the Agriculture General Plan designation, as specified in Section 13.10.170 of the County Code. The Special Use zoning is inconsistent with the Agriculture Resource designations. All lands with an Agricultural Resource designation shall be maintained in the CA (Commercial Agriculture zone district), except for timber resources in TP zoning or parks or resource lands in PR or A-P (Agricultural Preserve) zoning. Thus, the proposed rezoning of a property, containing timber resources (although currently unmapped), with a Type 1A Agricultural Resource is consistent with General Plan Policy 5.13.4 – Zoning of Agricultural Resource Land.

The proposed rezoning is consistent with General Plan Objective 5.2⁰⁵³⁶ "Riparian Corridors and Wetlands". Specifically, the subject parcel does not contain any streams meeting the definition of a riparian corridor set forth under General Plan Policy 5.2.1 and 5.2.7. The subject parcel is mapped within a large Biotic Resource area. The Biotic Resource is foraging grounds for over-wintering raptors. As the subject parcel is heavily forested, and the prime raptor foraging areas are the rolling grasslands further to the south, the proposed timber harvesting activities will not adversely affect this resource. Moreover, the parcel does not contain the habitat of concern or any other habitat meeting the definition of a Sensitive Habitat set forth in General Plan Policy 5.1.2. Therefore, the proposed rezoning to allow future timber harvesting is consistent with the General Plan Objective 5.1 for maintaining biological diversity. Timber harvesting and the roads and landings associated with timber harvesting will not create or exacerbate landslide or slope stability hazards to any nearby residences. Thus, the proposal is consistent with General Plan Objective 6.2 for protecting public health and safety from landslide hazards.

In accordance with County Code Section 13.10.375, Special Standards and Conditions for the Timber Production (TP) District, the project meets the following six criteria for rezoning to Timber Production:

1. A map has been submitted with the legal description or assessor's parcel number of the property to be rezoned (Exhibit B).
2. A Timber Management Plan, dated February 2000, prepared by a registered professional forester has been submitted for the property (Exhibit H). The Timber Management Plan has been reviewed and accepted by the Planning Department as meeting minimum standards (Exhibit I).
3. The parcel currently meets the timber stocking standards as set forth in Section 4561 of the Public Resources Code and the Forest Practice Rules for the district in which the parcel is located.
4. The parcel is timberland, as the entire parcel is capable of producing a minimum of 15 cubic feet of timber per acre annually and is located within a mapped Timber Resource area.
5. The uses on the parcel are in compliance with the Timber Production Zone uses set forth in Section 13.10.372.
6. The land area to be rezoned is in the ownership of one person, as defined in Section 38106 of the Revenue and Taxation Code, and is comprised of at least five acres in area,

Conclusion

All of the criteria have been met for rezoning this parcel to the Timber Production zoning designation. All required findings can be made to approve this application and the rezoning is consistent with the General Plan policies and land use designations.

Please see Exhibit E ("Findings") for a complete listing of findings and evidence related to the above discussion.

RECOMMENDATION:

Staff recommends that your Commission adopt the attached Resolution (Exhibit G), sending a recommendation to the Board of Supervisors for approval of Application No. 00-0169 based on the attached findings (Exhibit E) and approval of the determination that the project is statutorily exempt from CEQA (Exhibit F).

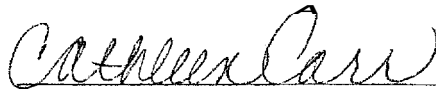
EXHIBITS

- A. Location Map
B. Assessor's Parcel Map
C. Zoning and General Plan Maps
D. Timber Resource Map
E. Findings
F. Notice of Exemption from CEQA
G. Planning Commission Resolution
H. Timber Management Plan by Webster & Associates Professional Foresters dated February 2000
I. TMP Review dated April 11, 2000

0537

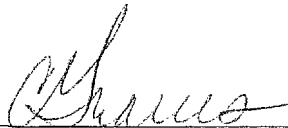
SUPPLEMENTARY REPORTS AND INFORMATION REFERRED TO IN THIS REPORT ARE ON FILE AND AVAILABLE FOR VIEWING AT THE SANTA CRUZ COUNTY PLANNING DEPARTMENT, AND ARE HEREBY MADE A PART OF THE ADMINISTRATIVE RECORD FOR THE PROPOSED PROJECT.

Report Prepared By:

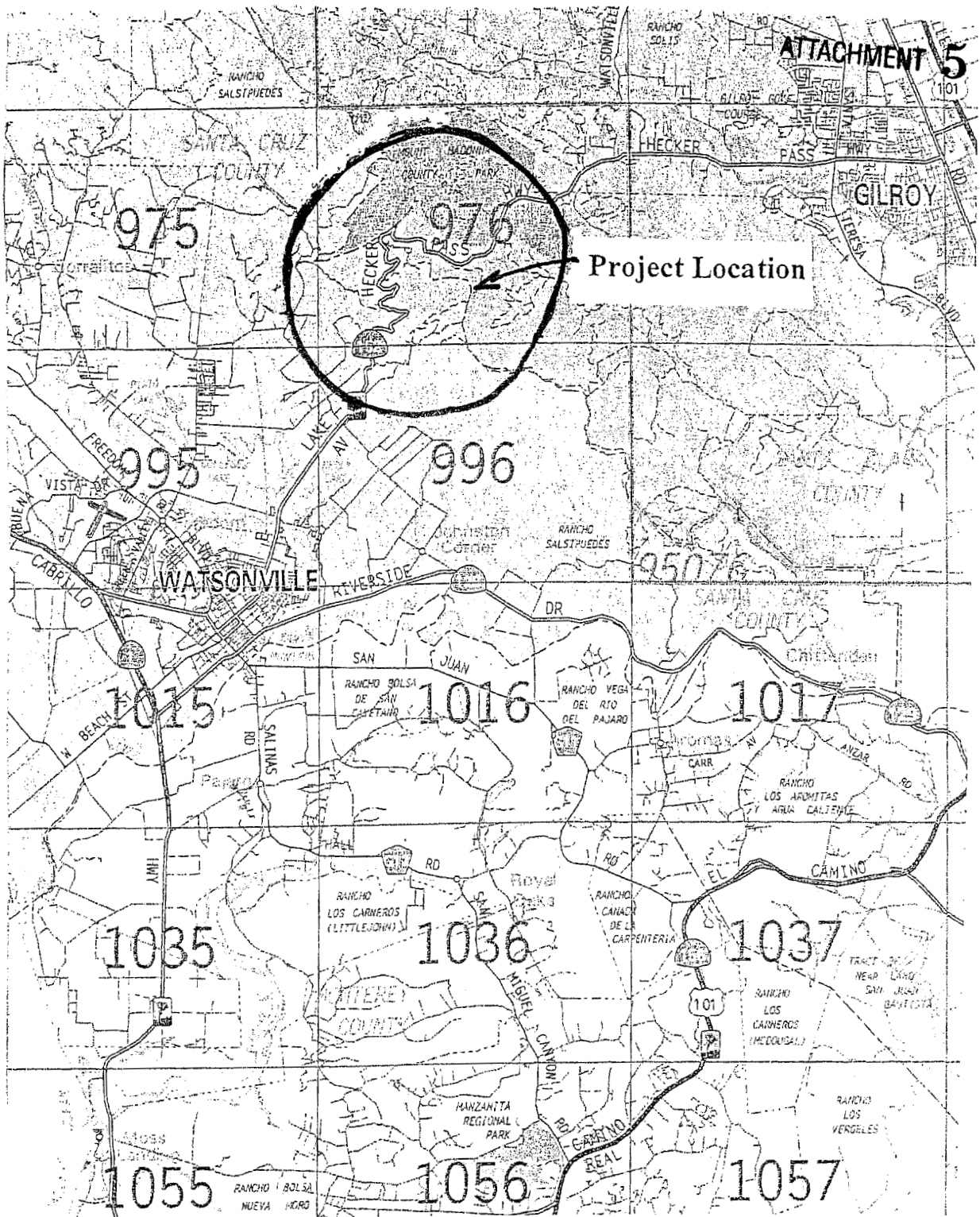


Cathleen Carr
Santa Cruz County Planning Department
701 Ocean Street, 4th Floor
Santa Cruz CA 95060
Phone Number: (831) 454-3225 email: cathleen.carr@co.santa-cruz.ca.us

Report reviewed by:



Cathy Graves
Principal Planner
Development Review



Project Location

EXHIBIT A

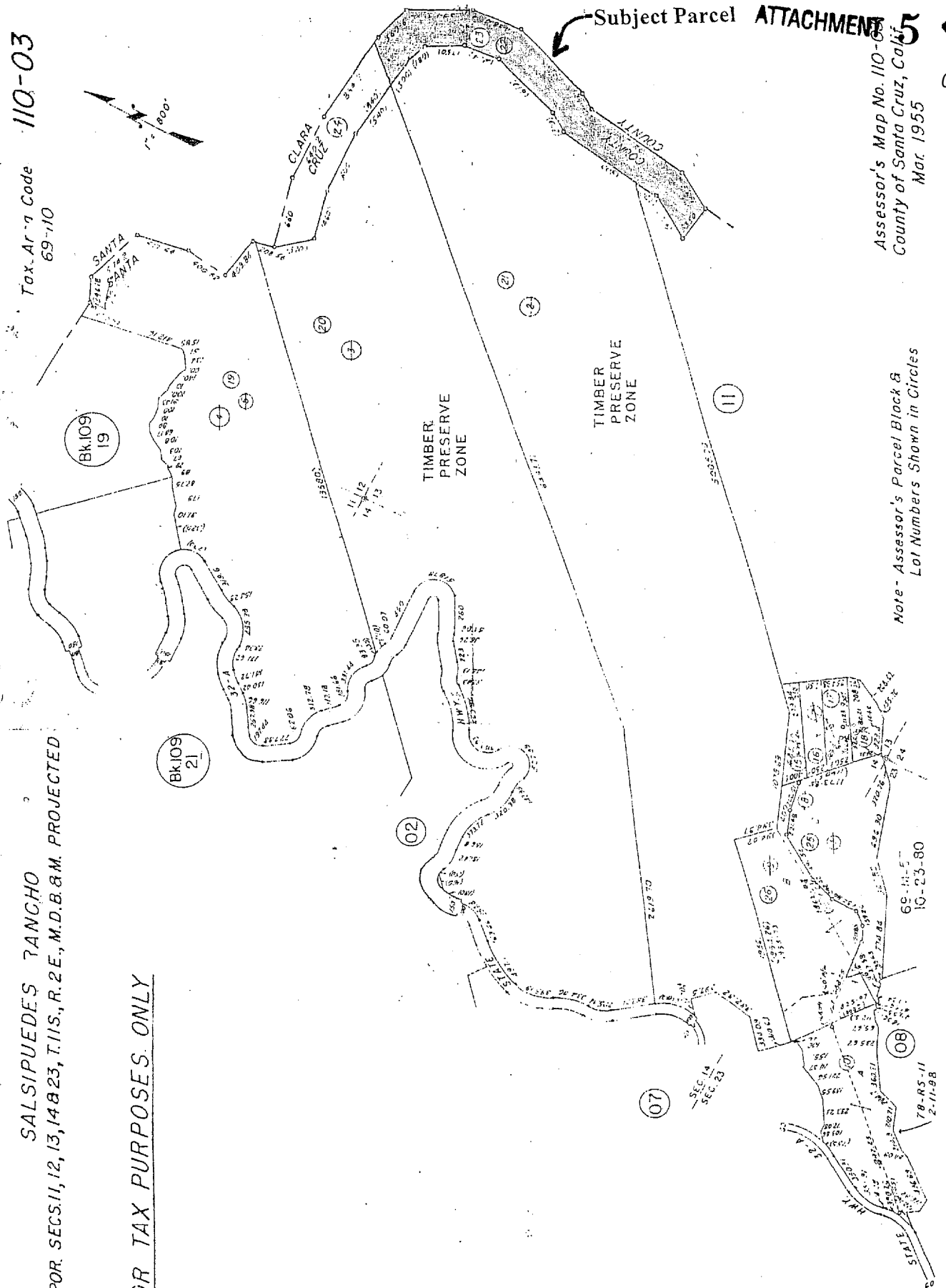
110-03

Tax. Ar. Code
69-110

SALSIPUEDES TANCHE

POR SECS. 11, 12, 13, 14 & 23, T. 11 S., R. 2 E., M.D.B. & M. PROJECTED

FOR TAX PURPOSES ONLY



Subject Parcel ATTACHMENT 5

Assessor's Map No. 110-03
County of Santa Cruz, Calif.
Mar. 1955

0539

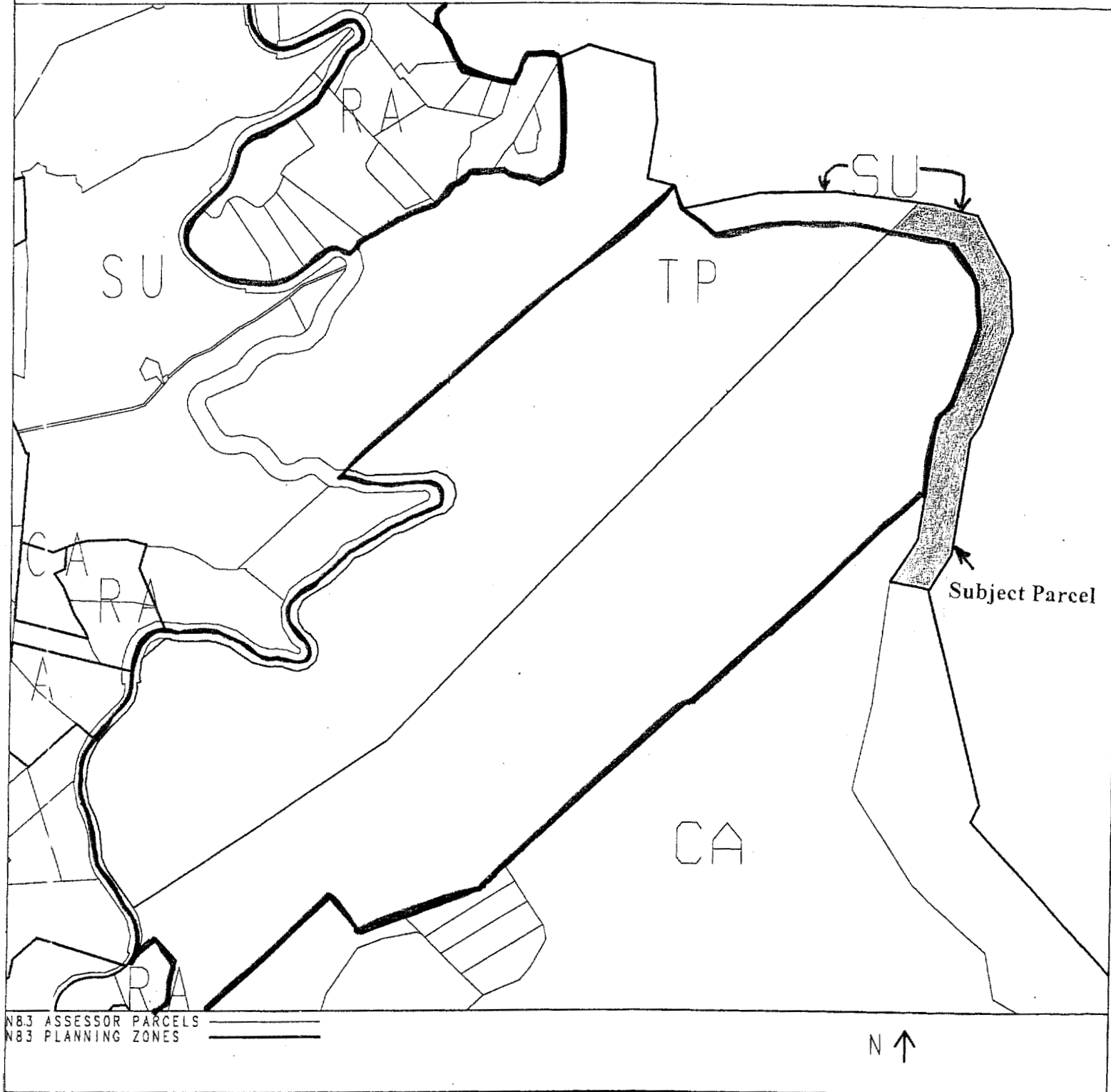
Note - Assessor's Parcel Block &
Lot Numbers Shown in Circles

ASSESSOR'S PARCEL MAP

EXHIBIT B
81

SCALE (FT/INCH) = 1.186
WIDTH IN FEET = 9,410.43
DEPTH IN FEET = 8,699.44

REQUEST ID: _____



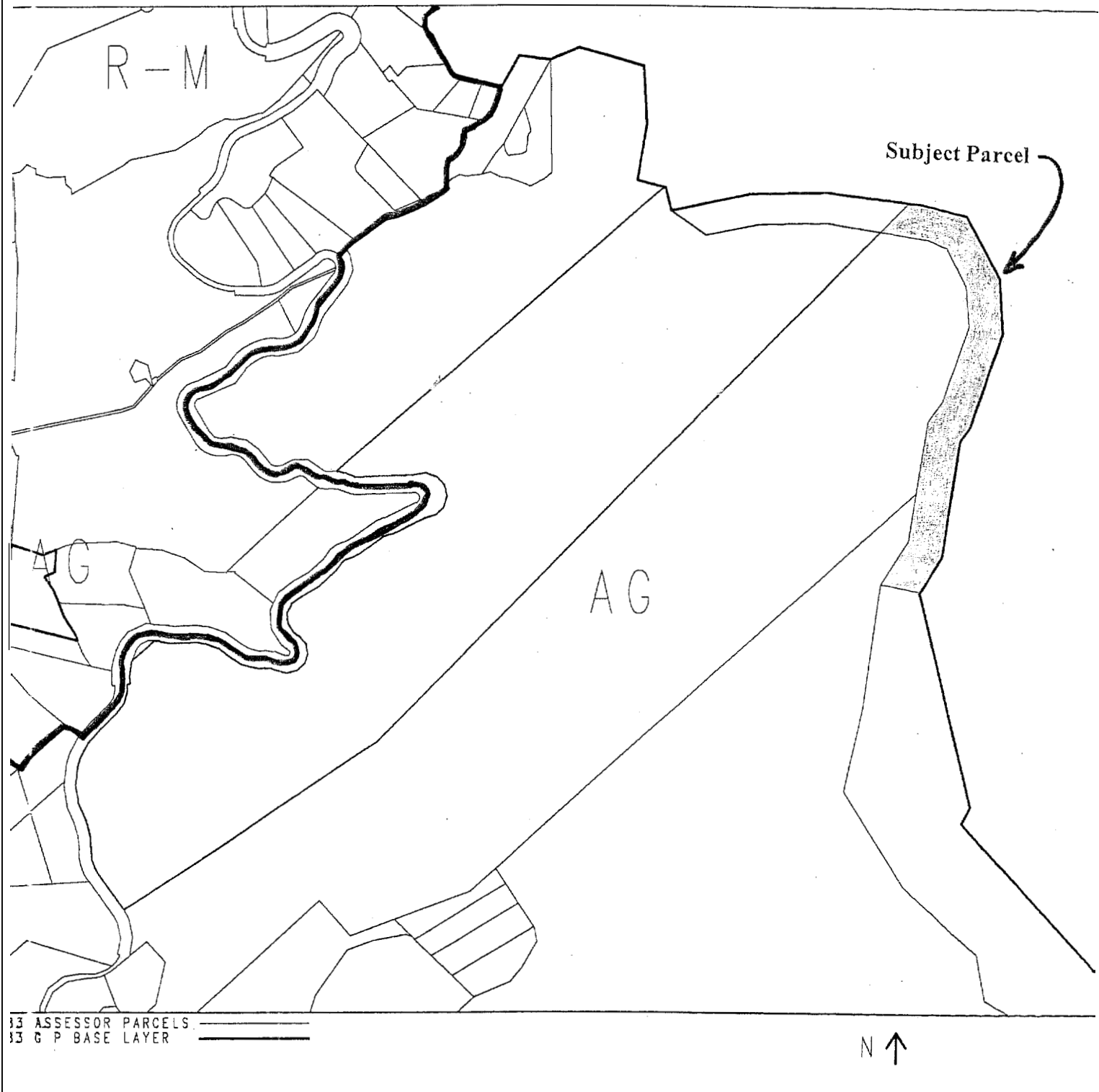
N83 ASSESSOR PARCELS
N83 PLANNING ZONES

ZONING MAP

EXHIBIT C

SCALE (FT/INCH) = 1,186
TOTAL IN FEET = 9,410.43
DEPTH IN FEET = 8,699.44

REQUEST ID: 00-0083



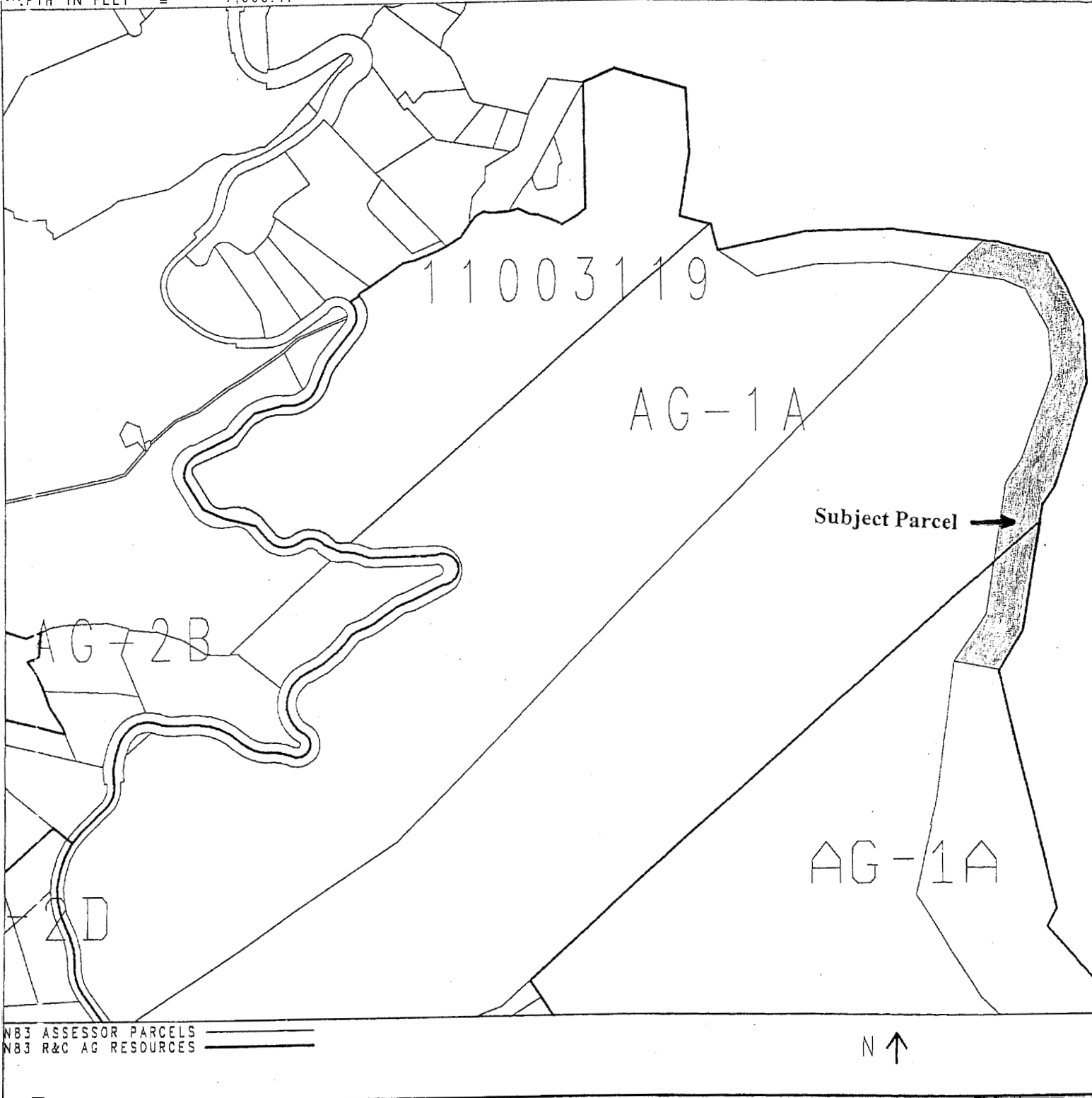
GENERAL PLAN MAP

a

EXHIBIT C
81

REQUEST ID: 00-0083

SCALE (FT/INCH) = 1,061
WIDTH IN FEET = 8,419.77
DEPTH IN FEET = 7,906.47



AGRICULTURAL RESOURCES

EXHIBIT C

0543

REQUEST ID: 00-0083

SCALE (FT/INCH) = 1:061
 ID-H IN FEET = 8,419.77
 EP-H IN FEET = 7,906.47

11003119

Subject Parcel

BIOTIC

3 ASSESSOR PARCELS
 3 R&C BIOTIC

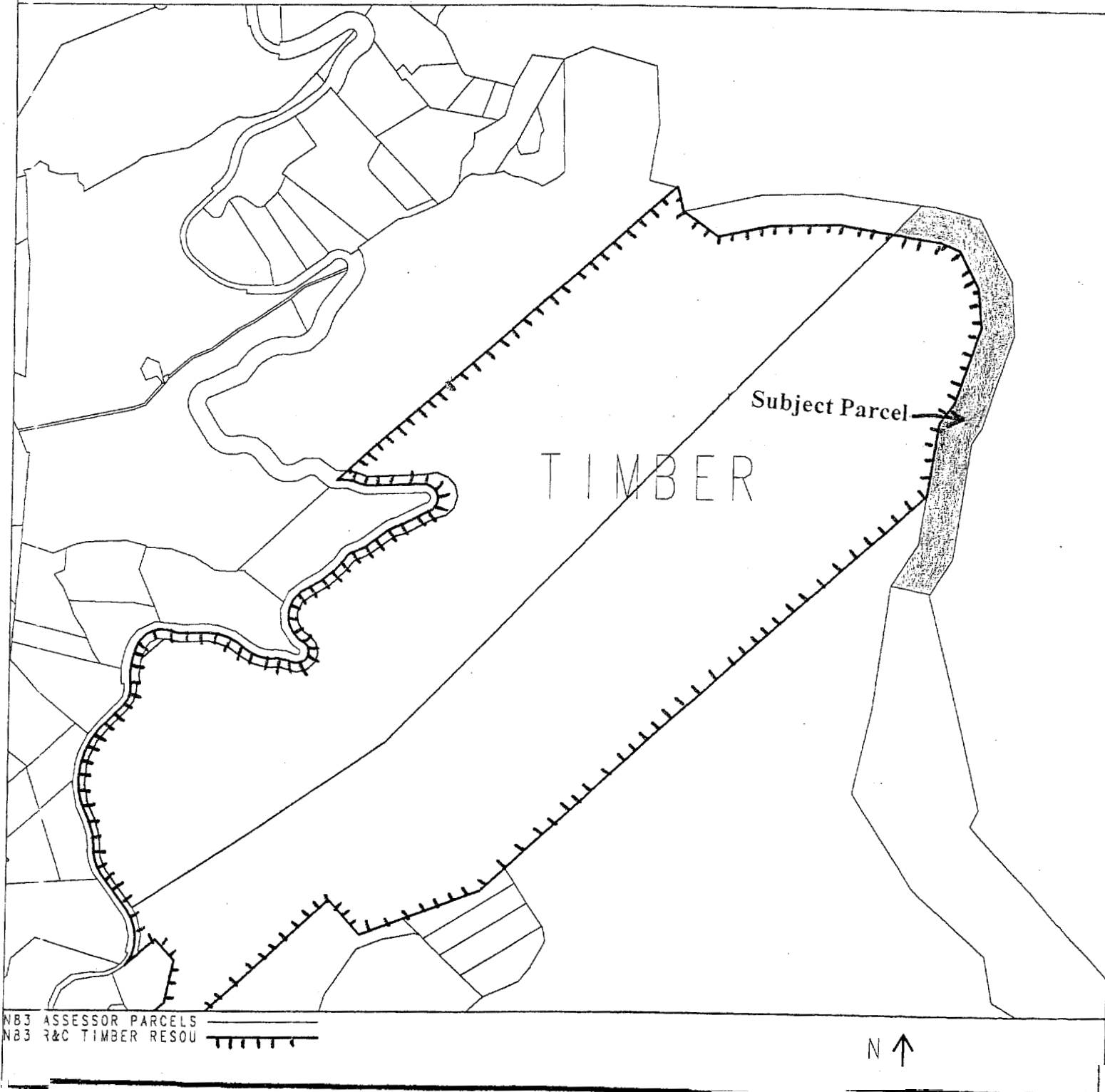
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BIOTIC RESOURCES MAP

EXHIBIT C
 81

REQUEST ID: 00-0083

SCALE (FT/INCH) = 1,186
WIDTH IN FEET = 9,410.43
DEPTH IN FEET = 8,699.44



TIMBER RESOURCES MAP

EXHIBIT D

Timber Management Plan

**Portion of D & D Ranch
APN 110-031-23**

**Portion of Salsipuedes Land Grant
Township 11 South, Range 2 & 3 East,
Mount Diablo Base & Meridian**

Prepared *FOR*: D & D Ranch

**Webster & Associates Professional Foresters
512 Capitola Avenue, Suite 201
Capitola, California 95010**

February, 2000

0546

Purpose Of This Timber Management Plan

1. To serve as one portion of an application for the rezoning of property: APN 110-031-23 (*per* Chapter 13.10.375 (c) of the Santa Cruz County Code).
2. To provide the landowner with current data regarding the productivity and accessibility of the timber resources present on the above property.

EXHIBIT H

x 16

GOALS AND OBJECTIVES OF D & D RANCH

0547

GOALS

- 1 To realize Maximum Sustained Production (MSP) of high-quality timber products on the timbered portions of the Ranch.
- 2 To maintain aesthetic resource values throughout the Ranch.
- 3 To retain high resource values with the wildlife-, water-, soil-, forage-, and recreation-attributes over the property.

OBJECTIVES

- 1. In Management Unit 1 (of which the parcel proposed for rezoning is part of): Produce 7.15 MBF (thousand board feet) of timber per forested acre every 10 years (realizing growth potential), while maintaining a sustainable harvest of 6.53 MBF of timber per forested acre each stand rotation (10 years), thereby balancing growth and harvest over time (accounting for mortality).
- 2. Maintain good stand vigor as measured by low incidence of cull logs (less than 10% for redwood, young-growth), and provide for adequate regeneration of commercial conifer species (satisfactory proportion of saplings/diameter class/acre of forested area that retains strong forest and forest-canopy characteristics).
- 3. Selectively harvest tree individuals by following specific marking objectives so as to improve tree spacing and stem marketability.
- 4. Maintain or improve aesthetic characteristics of forested portions of the property, and any associated land area pertinent to timber extraction or management, as determined by the landowner.
- 5. Maintain or improve the productivity of the soil on forested portions of the property, and any associated land area pertinent to timber extraction or management (minimize accelerated erosion, tons/acre/10 years).
- 6. Maintain or improve the watershed values of the forested portions of the property, and any associated land area pertinent to timber extraction or management (maintain watershed productivity, acre-feet of water/acre/10 years).
- 7. Maintain or improve wildlife resources of forested portions of the property, and any associated land area pertinent to timber extraction or management (maintain or improve wildlife habitat for species of concern).
- 8. Maintain or improve forage resources on the forested portions of the property, and any associated land area pertinent to timber extraction or management (maintain or improve carrying capacity, AUMs/acre/10 years).

The planning horizon for this document will be for perpetuity, and planning steps will occur in 10-year increments or in such increments that the landowner determines as most conducive to meeting Goals and Objectives (greater than or equal to 10 years). For this document, all planning steps are assumed to be equal to ten years.

TABLE OF CONTENTS

PURPOSE OF THIS TIMBER MANAGEMENT PLAN	I
GOALS AND OBJECTIVES OF D & D RANCH.....	II
TABLE OF CONTENTS.....	III
MAPS CONTAINED IN THIS PLAN	III
LOCATION AND OWNERSHIP	1
LOCATION	1
OWNERSHIP	1
MANAGEMENT HISTORY	4
PAST HARVESTING AND LAND-USE: ACTIVITIES	4
PREVIOUS AND PENDING THP'S, TMP'S, AND NTMP'S	4
SITE GEOLOGY, SOILS, AND WATERSHED	5
SOILS, SOIL PRODUCTIVITY, AND SITE CLASSIFICATION	7
SITE INDEX FOR TIMBER PRODUCTION	7
SITE ECOLOGICAL CHARACTERISTICS.....	9
VEGETATION TYPES AND CHARACTERISTICS	9
PROPERTY INVENTORY OF NATURAL AND ANTHROPOGENIC RESOURCES	12
PROCEDURES	12
HARDWOOD/FUELWOOD VOLUME ESTIMATES	14
ANALYSIS.....	15
TIMBER RESOURCES	15
PRESENT STAND CONDITIONS	15
FUTURE STAND CONDITIONS	15
ECOSYSTEM RESOURCES	15
DESCRIPTION OF PROPOSED DEVELOPMENT	15
RECOMMENDATIONS	16
FUTURE TIMBER MANAGEMENT OPERATIONS.....	16
HARVEST METHODS	16
EROSION HAZARD INVENTORY AND PLAN	16
FISH AND WILDLIFE MANAGEMENT	17
RECREATIONAL & VISUAL IMPACT ASSESSMENT	18
URBAN INTERFACE ISSUES	18
FIRE PROTECTION AND MANAGEMENT OF FUELS	18
LITERATURE/SOURCES CITED AND REFERENCED	19
APPENDICES	20
<u>MAPS CONTAINED IN THIS PLAN</u>	
Location Map of Parcel APN 110-031-23	2
County of Santa Cruz Map of Parcel Zoning	3
Geology Map.....	6
Map of Natural and Cultural Features—Existing Roads, Landings, watercourses	8
Soils Map	10
Watershed Map	11
Map of Natural and Cultural Features—Vegetation Types	13

LOCATION AND OWNERSHIP

ATTACHMENT 5

LOCATION

0549

The property APN 110-031-23 is located in the mountains east of Watsonville in Santa Cruz County, California. The property boundaries lie adjacent to the eastern boundary of the Santa Cruz County, next to Santa Clara County. The legal description of the parcel is: Portion of Salsipuedes Land Grant, Township 11 South, Ranges 2 & 3 East, Mount Diablo Base & Meridian (See Page 2)

The parcel APN 110-031-23 is comprised of 24.5 acres. The parcel lies along a ridgetop of the Santa Cruz Mountains, This parcel is currently zoned Special Use (See Page 3).

OWNERSHIP

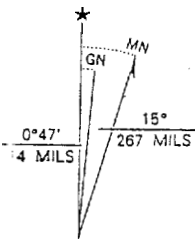
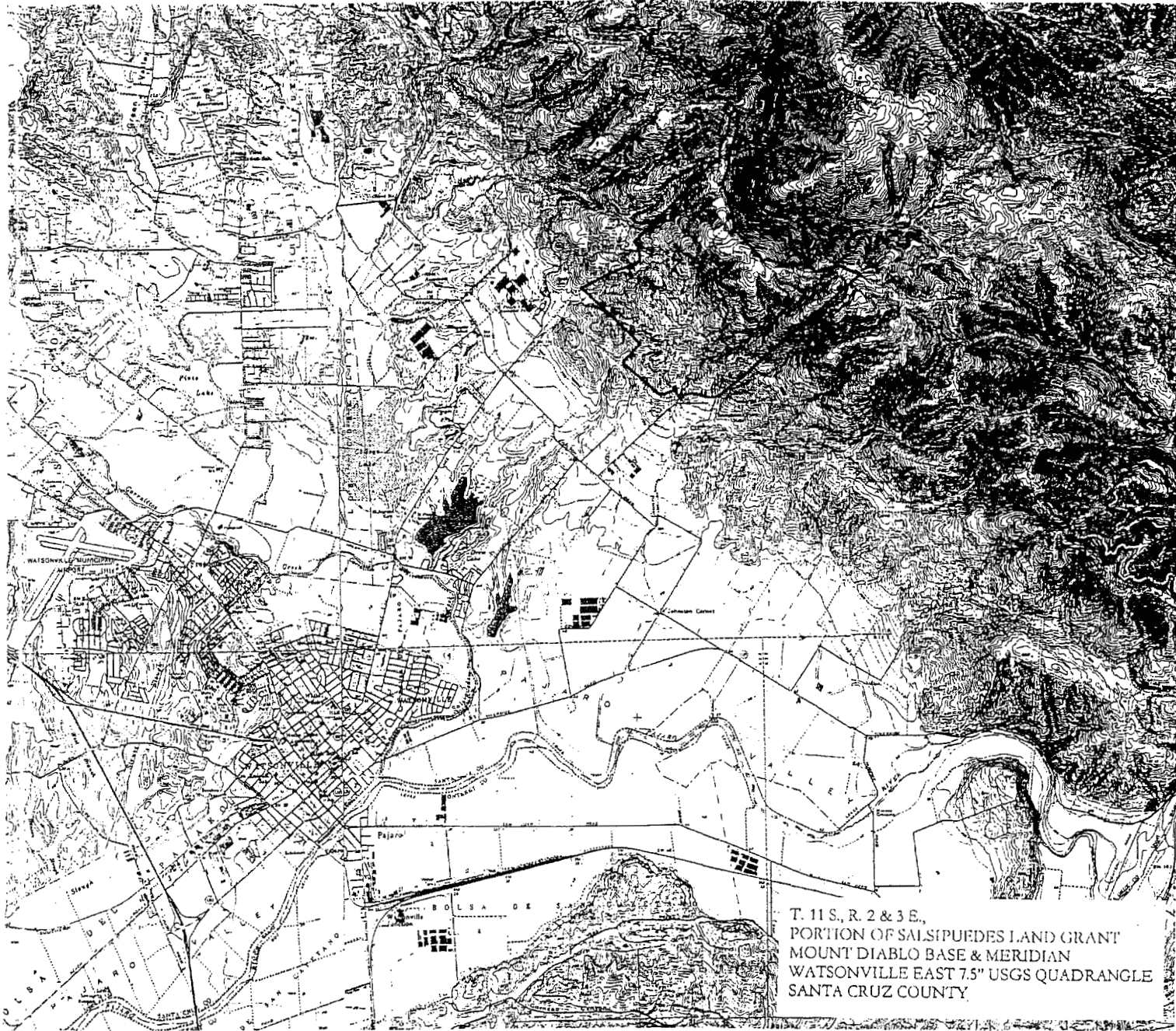
APN 110-031-23: D & D Ranch
C/O Phil DiNapoli
Di Napoli Companies
99 Almaden Blvd., Suite 565
San Jose, CA 95113

119

EXHIBIT 81

D & D RANCH NTMP
NTMP AREA LOCATION MAP

0550
ATTACHMENT 5 1



LEGEND

PROPERTY BOUNDARY

SCALE

1 : 73,846

1 INCH = 6154 FEET

EXHIBIT H

20

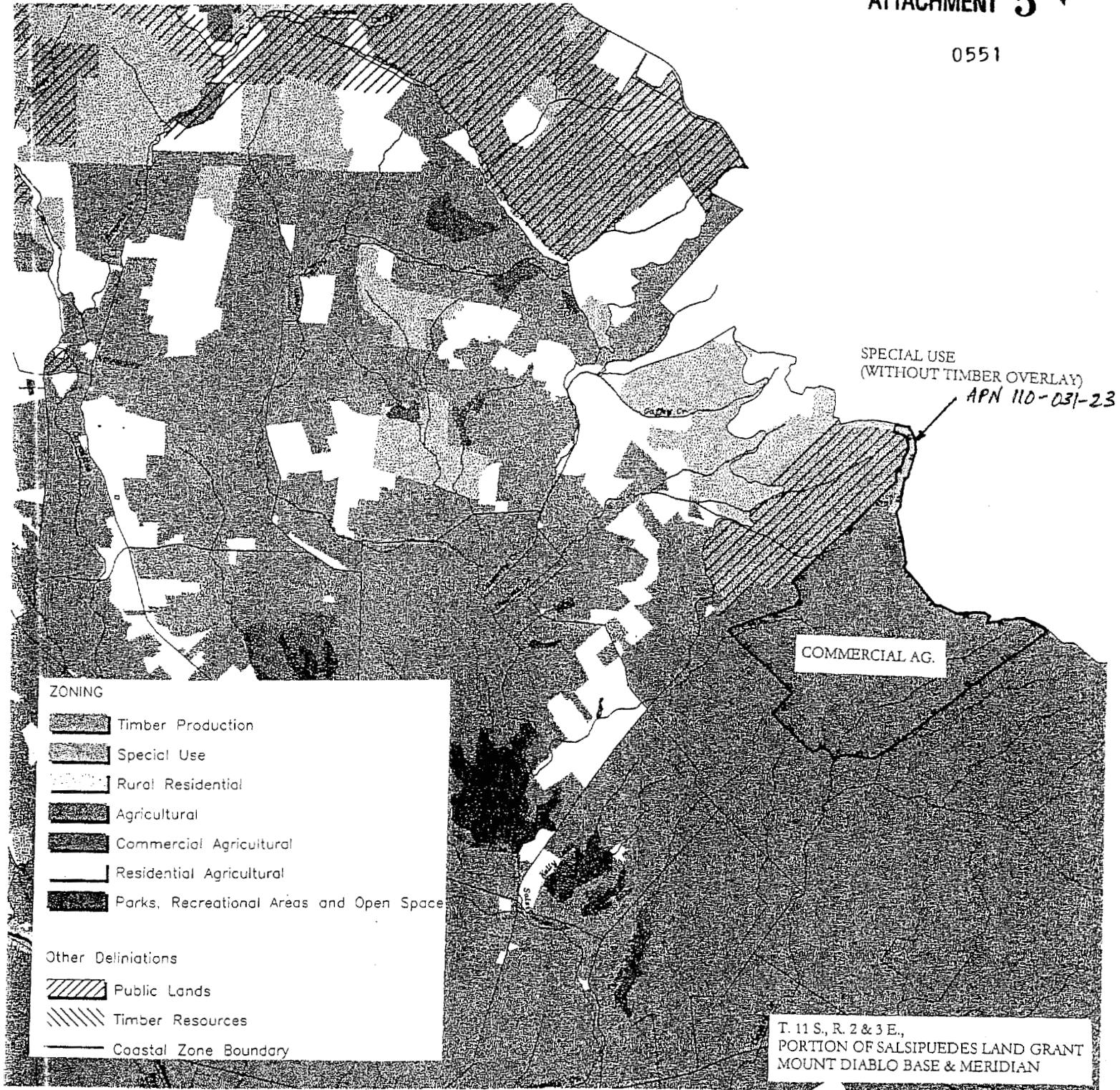
81

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D & D RANCH NTMP COUNTY PARCEL ZONING MAP

ATTACHMENT 5

0551



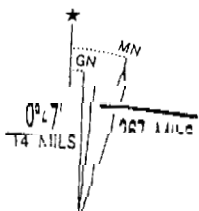
ZONING

- Timber Production
- Special Use
- Rural Residential
- Agricultural
- Commercial Agricultural
- Residential Agricultural
- Parks, Recreational Areas and Open Space

Other Delineations

- Public Lands
- Timber Resources
- Coastal Zone Boundary

T. 11 S., R. 2 & 3 E.,
PORTION OF SALSIPUEDES LAND GRANT
MOUNT DIABLO BASE & MERIDIAN



LEGEND

PROPERTY BOUNDARY

SCALE

1 : 61,440
1 INCH = 5120 FEET

EXHIBIT H

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8 21

PAST HARVESTING AND LAND-USE ACTIVITIES

0552

This portion of D & D Ranch was last harvested for sale of timber products (sawlogs) in 1997, using selective harvesting methods (THP # 1-97-027 SCR). The entire Property was yarded using only ground-based equipment. At the time of harvest, it was noted that there was a 10% rate of defect. During the current tenure of ownership, the parcel has been used for the production of high-quality timber products.

Recreational use of the property has been an established use as well.

While any activity involving tree removal, road maintenance, and heavy machinery has an impact on the environment, such impacts can be mitigated through the thoughtful planning that protects the inherent land-based resource values. The intent of this plan is to comply with the best management practices, to meet all requirements of the Forest Practices Act, and to adopt a sustainable and environmentally responsible approach to the production of timber resources.

PREVIOUS AND PENDING THP'S, TMP'S, AND NTMP'S

A Non-Industrial Timber Management Plans (NTMP) will be submitted to the California Department of Forestry and Fire Protection (CDF) for D & D Ranch after the application process for rezoning of this parcel is completed.

A list of past THP's registered within the last ten years at the local CDF office (in Felton, CA) for the Coward Creek-College Lake Watershed (inclusive of the property subject to this TMP) follows:

THP #	ACRES	SILVICULTURE	STATUS
1-97-027 SCR	75	SELECTION	COMPLETED
1-94-579 SCR	170	SELECTION	COMPLETED
1-93-461 SCR	137	SELECTION	COMPLETED
1-93-340 SCR	50	SELECTION	COMPLETED

SITE GEOLOGY, SOILS, AND WATERSHED

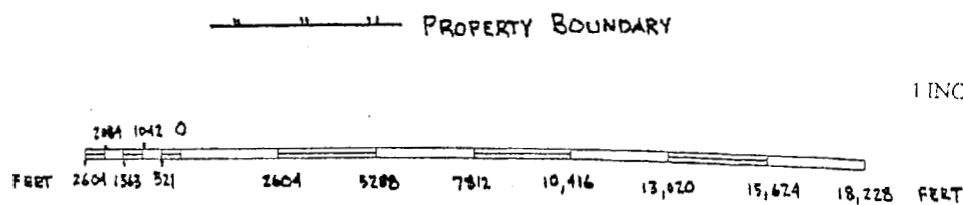
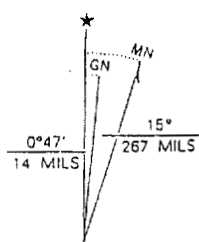
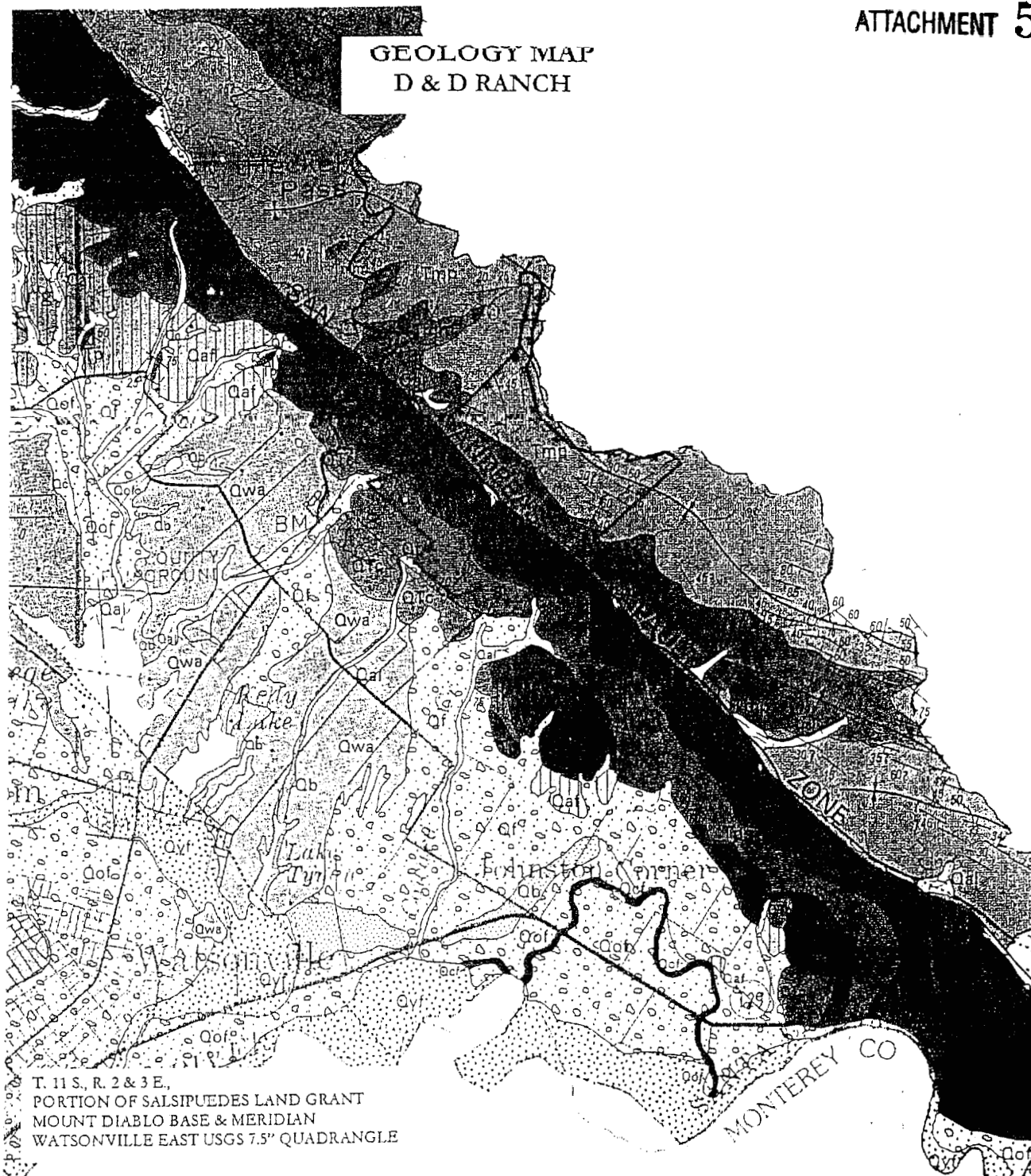
0553

The Geology of the Ranch is characterized by the Presence of shale parent material in the upper elevations, and sandstone parent material in the lower elevations (See Geology Map, Page 6). These parent materials, in the presence of weathering and transport mechanisms, have resulted in a large range of soils classified on the property. The soils of the Ranch are: Aptos loam, Diablo clay, Madonna loam, Ben Lomond-Felton complex, Santa Lucia Shaly clayloam, Maymen-Madonna complex, Lompico-Felton complex, Bonny Doon-Rock outcrop complex, Elder sandy loam, and the Los Osos loam. The erosion hazard rating for these soils is moderate to high (See Appendix 1, Page 20). There are few existing slumps or slope failures on the Ranch. A single existing slide was noticed and examined along the lower portions of the Class II watercourse on the east side of the Ranch

The five principle geologic formations on the Ranch are:

- **Tmp:** Shale of Mount Pajaro area. This is comprised of a medium- to thick-bedded, laminated, olive-gray to brownish-black semisiliceous shale, mudstone, and less abundant medium-bedded, very pale orange sandstone, tuffaceous sandstone, limestone, and conglomerate. Minimum thickness is 4,300 feet.
 - **Tmm:** Sandstone of Mount Madonna area. This is comprised of mostly massive very pale orange arkosic sandstone containing lesser amounts of brownish-black siliceous shale and mudstone, Thickness ranges from 1,300-2,250 feet.
 - **Qal:** Alluvial deposits, undifferentiated. This is comprised of unconsolidated, heterogeneous, moderately-sorted silt and sand containing discontinuous lenses of clay and silty clay. Locally includes large amounts of gravel. May include deposits equivalents to both younger (Qyf) and older (Qof) flood-plain deposits in areas where these were not differentiated. Thickness is highly variable; may be as much as 90 feet thick near the coast.
 - **Qf:** Alluvial fan deposits. Unconsolidated, moderately to poorly sorted sand, silt, and gravel, with layers of silty clay. Generally coarsest nearest the mountain front. Thickness uncertain but may locally be greater than 50 feet.
 - **Tp:** Purisma Formation. This body is very thick bedded yellowish-gray tuffaceous and diatomaceous siltstone containing thick interbeds of bluish-gray, semifriable, fine-grained andesitic sandstone. Thickness approximately 3,000 feet in the Corralitos Canyon area.
 - **Tps:** Predominantly massive sandstone.
- (USGS, 1989).

There are various Class II and Class III watercourses on D & D Ranch. Two ponds exist near the center of the Ranch, fed by Class III watercourses. Slopes over the property range from gentle (particularly on the low-slope portions of the Ranch and on the ridge top) to steep (at the mid-slope portions below the ridge top). Elevation of the property ranges from 280 feet to 1800 feet. D & D Ranch has approximately 16,000 linear feet of Class II watercourses on the property. No Class I watercourses exist on any part of the Ranch. There are portions of Class II watercourses in Management Units 1, 2, and 4. There are well over 60,000 linear feet of Class III watercourses on the property. In addition to the many functioning natural



SCALE

1 : 62,500
1 INCH = 5208 FEET

GEOLOGIC CHARACTERISTICS CONTAINED IN TEST

/ 24

EXHIBIT H

watercourses on the property, there is a large infrastructure of watering transport and tank systems distributed over the property. These water pipes, boxes, and tanks (fed from both surface- and ground water-uptakes) are used for watering the livestock, as well as in controlling the distribution of livestock over the Ranch. The watercourses present on the property feed eventually into College Lake, 0555

The Coward Creek-College Lake Watershed, which encompasses the NTMP area, is drained by Coward Creek and a portion of Salsipuedes Creek. Both of these creeks flow into the Pajaro River. The watershed is comprised of 11,800 acres (See Watershed Map, Page 11). The flow in this Watershed is primarily used for crop production in the coastal lowlands of the region. College Lake is an important water reservoir for agricultural enterprises in the area. Four class 3 watercourses originate on the eastern slope of this parcel and flow off of the property onto lands managed by Big Creek Lumber Company located in Santa Clara County.

SOILS, SOIL PRODUCTIVITY, AND SITE CLASSIFICATION

The property contains several soils, predominantly the Aptos-Los Osos-Fagan unit. The soils in this unit are deep to shallow and well drained or somewhat excessively drained. The soils in this unit formed in residuum derived from sandstone, shale, siltstone, or mudstone.

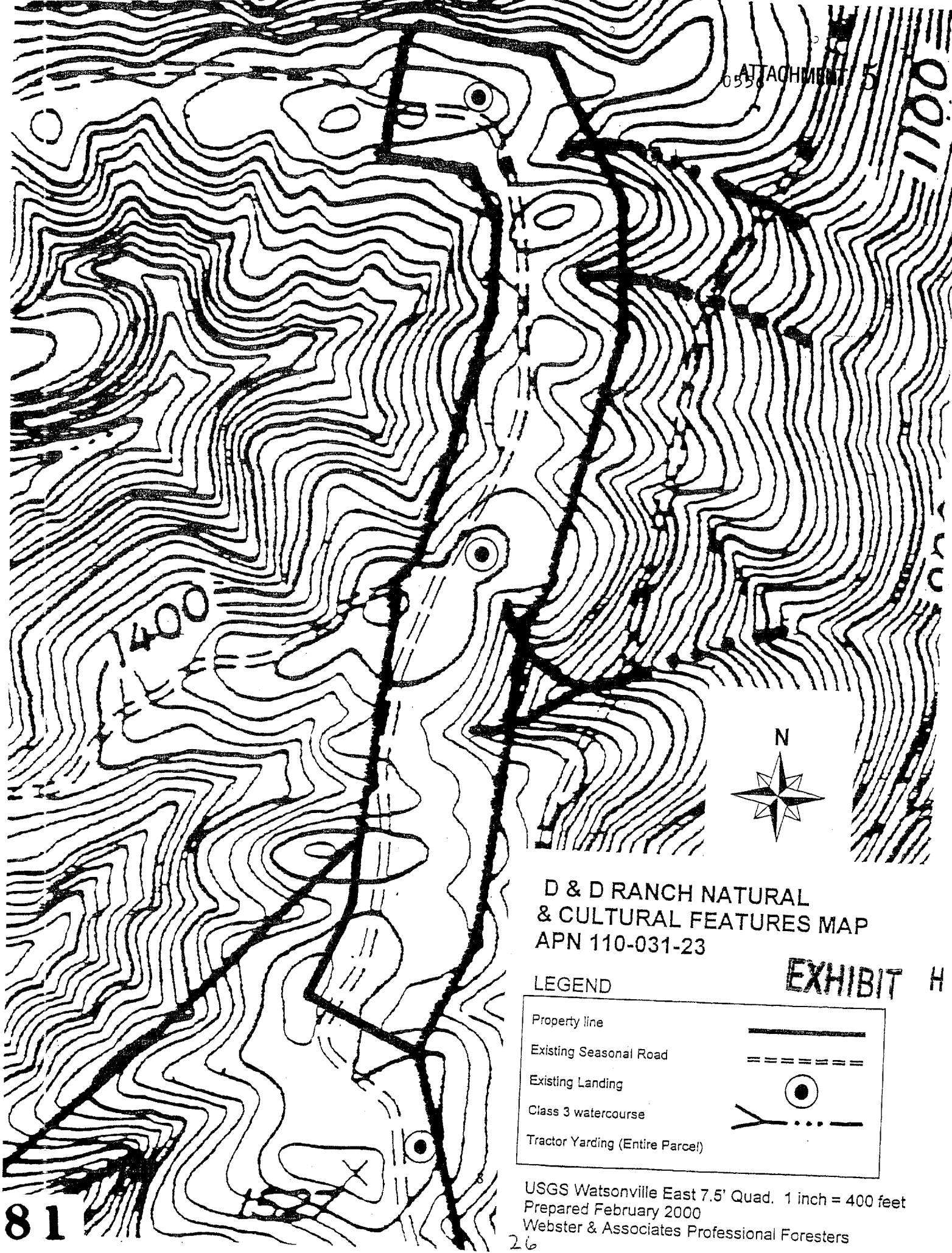
The soils within this parcel are: Aptos loam, Maymen-Madonna complex, and the Lompico-Felton complex, (See Soils Map, Page 10). The soils mapped are designated with the corresponding NRCS soil number as defined in the Santa Cruz County Soil Survey (1980).

- **100: Aptos loam, warm, 15-30% slopes.** Moderately deep, well drained soil on hills and mountains. Formed in material weathered from sandstone, siltstone, or shale. Permeability is moderate. Runoff is rapid. Light gray, weathered, fractured shale is at 12 inches.
- **144: Lompico-Felton complex, 50-75% slopes.** This complex is about 35% Lompico loam and 30% Felton sandy loam. The Lompico soil is moderately deep and well drained. Permeability of the Lompico soil is moderate, and runoff is very rapid. Weathered sandstone is at a depth of 37 inches. The Felton soil is deep and well drained. Permeability of the Felton soil is moderately slow. Runoff is very rapid. Weathered sandstone is at a depth of 63 inches. These soils are well suited for the production of Douglas-fir and redwood. This complex has the capacity for Site Class III soil productivity,
- **152: Maymen-Madonna complex, 30-75% slopes.** This complex is about 40% Maymen stony loam and 25% Madonna loam. The Maymen soil is shallow and somewhat excessively drained. Permeability of the Maymen soil is moderate. Runoff is rapid or very rapid. Unweathered, fractured shale is at a depth of 14 inches. The Madonna soil is moderately deep and well drained. Permeability of the Madonna soil is moderate. Runoff is rapid or very rapid. Highly fractured mudstone is at a depth of 23 inches.

SITE INDEX FOR TIMBER PRODUCTION

Site index is a measure of the soil productivity of an area or timber stand, based on the correlation of tree growth and tree height of the dominant and codominant trees in a stand at a given age, typically 25, 50, or 100 years. Based on data from the 1998 timber cruise of the property, and local knowledge of timber productivity in the Santa Cruz Mountains, the timbered areas of the property are estimated to be of Site

7 25



D & D RANCH NATURAL
& CULTURAL FEATURES MAP
APN 110-031-23

LEGEND

Property line	
Existing Seasonal Road	
Existing Landing	
Class 3 watercourse	
Tractor Yarding (Entire Parcel)	

EXHIBIT H

USGS Watsonville East 7.5' Quad. 1 inch = 400 feet
Prepared February 2000
Webster & Associates Professional Foresters

Class III. During the cruise conducted in November 1998, it was generally found that redwood trees had high amounts of diameter growth and relatively low amounts of height growth. Stand productivity is fairly variable over the property, due to differences in soils and topography, with the highest productivity typically found in the mid-slope drainages on the northern Portion of the Property. 0557

No mass wasting or slumping of material has occurred recently on this site. There is undifferentiated landslide material along the slope extending across the property, (See Page 8) indicating low-level movement common to the regional precipitation-topography-geology regime (Clark-Cooper Data, 1954).

SITE ECOLOGICAL CHARACTERISTICS

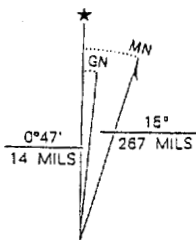
VEGETATION TYPES AND CHARACTERISTICS

The majority of the parcel (24.5 acres) is comprised of redwood-dominated forest, with interspersed individuals of various deciduous species (including tan oak, laurel, and madrone). Within the Redwood forest type, stem occurrence of hardwood species is estimated to be relatively low, ~20% of canopy dominance,

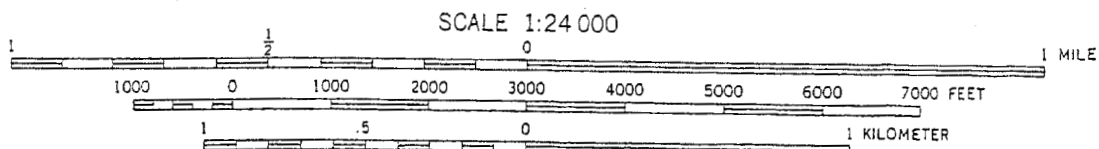
The property is located in the South County Grasslands Community. This area is of special concern for the wildlife habitat attributes that it provides for wintering hawks. No new road construction will be proposed in the grassland areas in order to extract timber. The grassland surrounds some redwood clumps. After harvesting operations, the grassland community will be reinstated either naturally or with ranch activities such as seeding. The proximity of surrounding grassland species will encourage the reestablishment of the grassland community. Annual grasses are typified by their high relative amount of seed production. This ready seed source will further encourage small areas of disturbance to revert to the native grassland Community.

D & D RANCH NTMP SOILS MAP

ATTACHMENT 5



UTM GRID AND 1993 MAGNETIC NORTH



CONTOUR INTERVAL 20 FEET
SUPPLEMENTARY CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

EXHIBIT H

SOIL CHARACTERISTICS ARE EXHIBITED IN TEXT

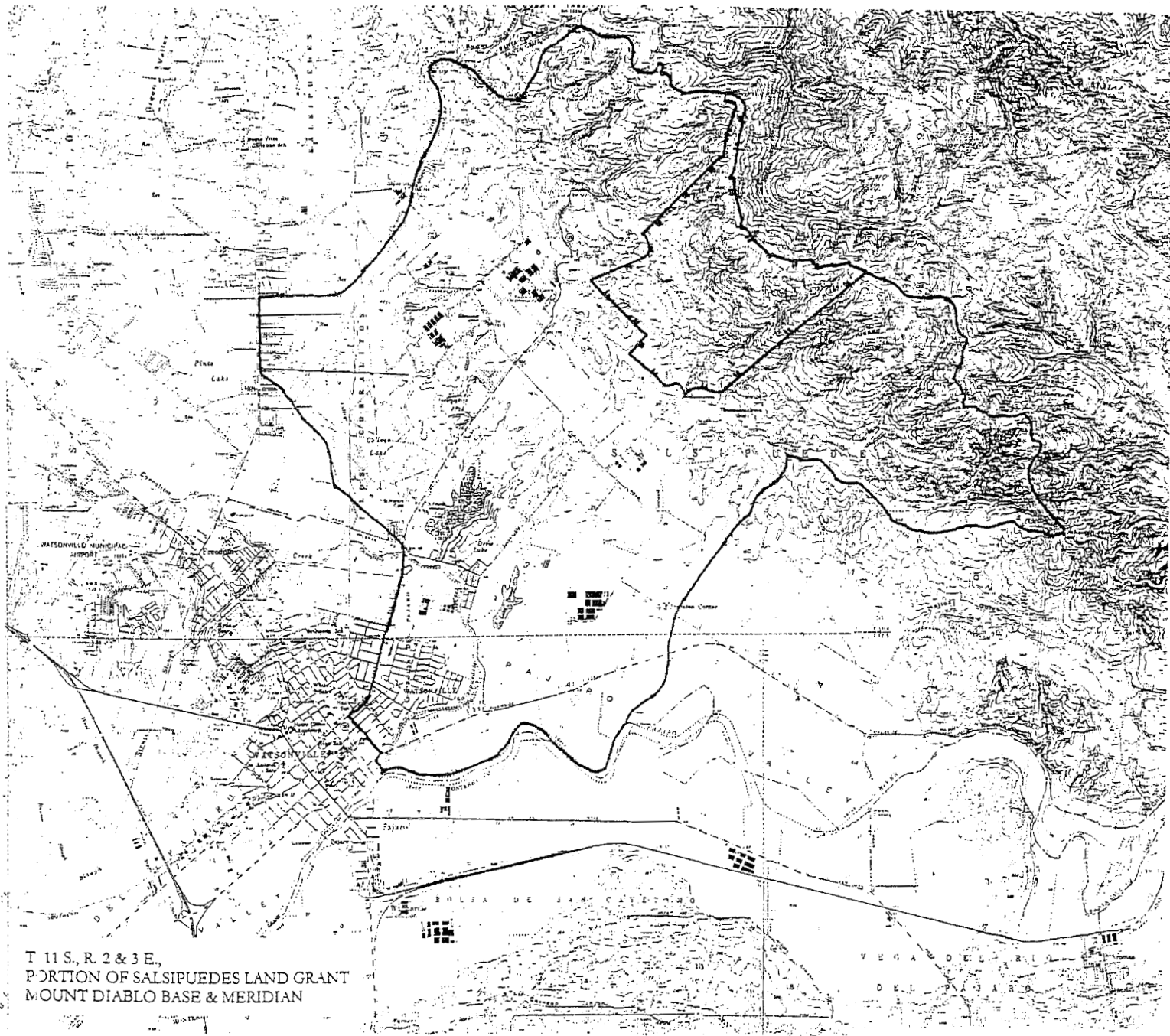
WEBSTER & ASSOCIATES
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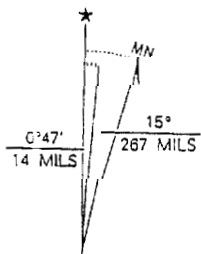
D & D RANCH NTMP WATERSHED ASSESSMENT AREA MAP

ATTACHMENT 5

0559



T 11 S, R. 2 & 3 E.,
PORTION OF SALSIPUEDES LAND GRANT
MOUNT DIABLO BASE & MERIDIAN



LEGEND

PROPERTY BOUNDARY

COWARD CREEK-COLLEGE LAKE WATERSHED

SCALE

1:73,846

1 INCH = 6154 FEET

EXHIBIT A

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29

81

PROPERTY INVENTORY OF NATURAL AND ANTHROPOGENIC RESOURCES**PROCEDURES**

A 4.4% timber cruise was conducted on the entire property in November 1998, in order to determine: (1) present conifer timber stocking and volumes, (2) present stand growth rates, (3) stand conditions, and (4) regeneration rates of conifers. The field survey included an evaluation of current access to the timber contained on the property.

The cruise utilized fixed 1/5th-acre circular plots that were randomly placed within the conglomerations of timbered land. The 137 forested acres were thus assigned a proportional number of plots, (relative to an 4% cruise, or thirty 1/5th-acre plots per 137 acres). Once the number of plots to be assigned to each stand was ascertained, the number of whole plots was randomly placed within the stands. Thus, small stands may not have been sampled due to their proportional size, and larger stands would be sampled with multiple plots. The timber stand in Management Unit #3 was given a higher proportional amount of sampling plots, due to its differences in stand structure and its isolation as a separate Management Unit. This resulted in the placement of randomly-located sampling points weighted so as to adequately sample the timbered area under consideration for this NTMP.

Sampling procedure involved the following:

1. locating of the fixed plot center,
2. tallying all commercial-sized conifer trees (height in 16' logs and DBH) within the plot,
3. using an increment borer to evaluate the previous 10 years of growth for trees representative of four established diameter classes,
4. making general notes regarding site productivity and history, and
5. evaluating regeneration rates of conifer species within a 1/100th-acre sub-plot.

Once all plots were sampled, the data was evaluated using CRUSTALI, a timber cruise software program. Summary results of the CRUSTALI evaluation for the timbered areas are contained in Figure 3, Unit 1 data represents the area contained in the parcel subject to this rezoning.

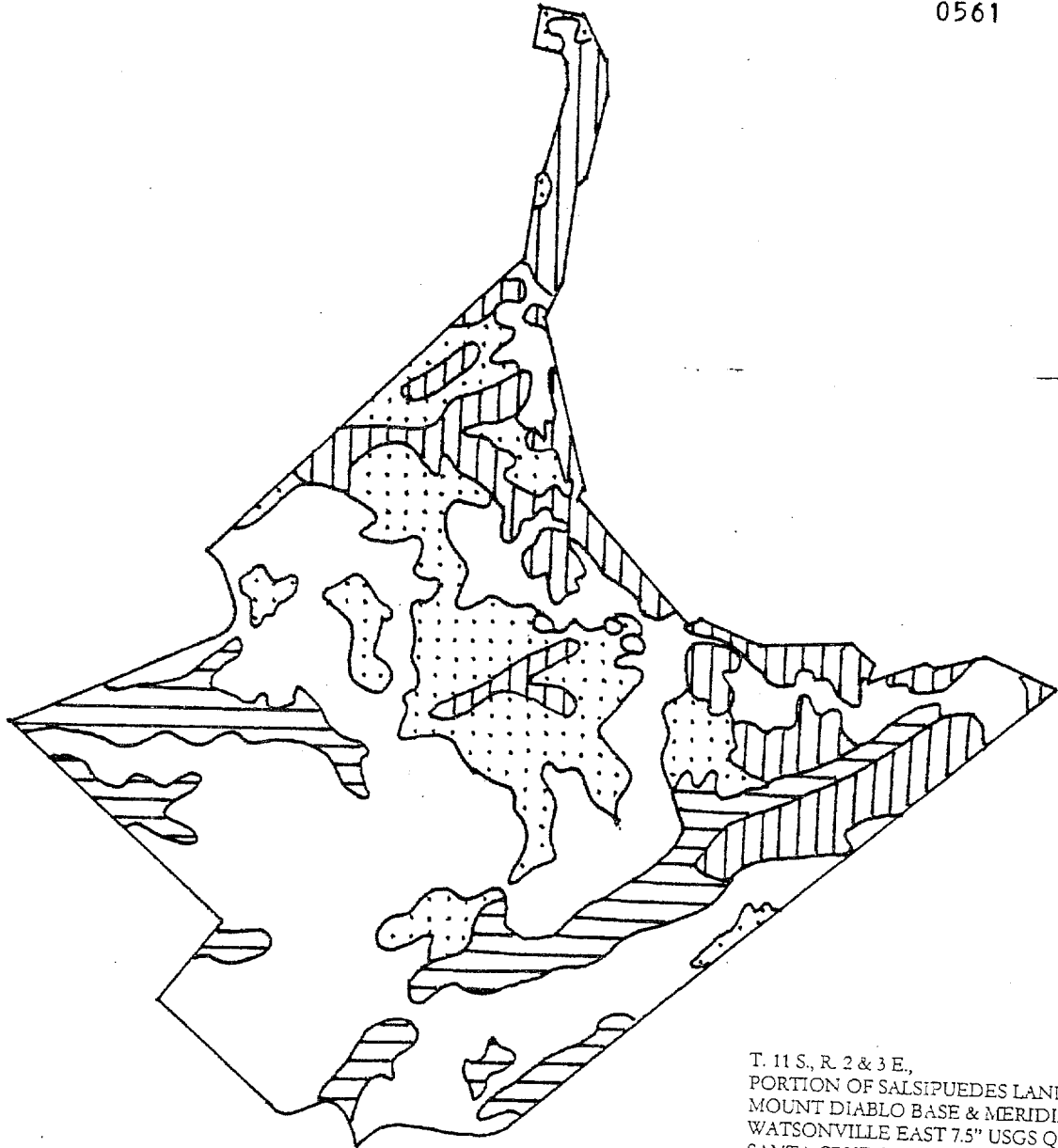
UNIT	TREES/ACRE	REDWOOD (MBF/ACRE)	BA/ACRE (SQ. FT.)	ACRES FORESTED	REDWOOD (MBF/UNIT)
1	47.2	18.5	133.5	74.8	1,384
2	44.1	12.2	96.7	53.3	649
3	82.0	81.0	382.3	8.9	720
TOTAL				137	2,754

Figure 3

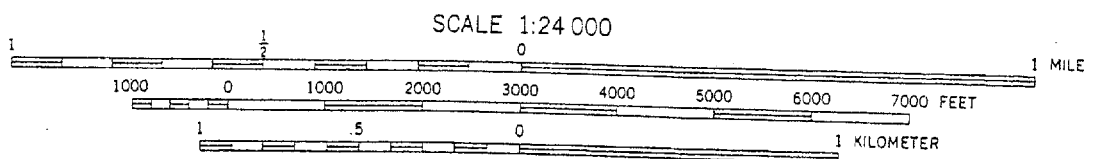
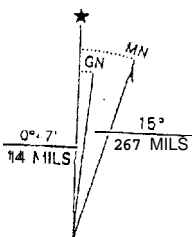
D & D RANCH NTMP VEGETATION MAP

ATTACHMENT 5

0561



T. 11 S., R. 2 & 3 E.,
PORTION OF SALSIPUEDES LAND GRANT
MOUNT DIABLO BASE & MERIDIAN
WATSONVILLE EAST 7.5" USGS QUADRANGLE
SANTA CRUZ COUNTY



LEGEND

REDWOOD FOREST (147 ACRES)
HARDWOOD FOREST (180 ACRES)
BRUSHLAND (205 ACRES)
ANNUAL GRASSLAND (646 ACRES)



EXHIBIT H

81

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HARDWOOD/FUELWOOD VOLUME ESTIMATES

During a cruise conducted in December of 1998, the amount of fuelwood contained on the Ranch was estimated. Sampling procedure involved:

1. locating the centers of the fixed plots (predetermined randomly)
2. tallying all hardwood species with a DBH of 4 inches or greater within the 1/5th-acre plot
3. noting general regeneration rates and stand health

The evaluation of the fuelwood cruise resulted in the following estimates for each Management Unit:

UNIT	TREES/ACRE	FUELWOOD (CORDS/ACRE)	BA/ACRE (SQ.FT.)	ACRES FORESTED	FUELWOOD (CORDS/UNIT)
1	negligible	0	0	0	0
2	114	31.95	113.78	20	639
3	negligible	0	0	0	0
4	114	31.95	113.78	160	5112
TOTAL				180	5751

Figure 4

This limited inventory encountered only live oak and laurel during the cruise, but other species (notably tanoak) were observed in the field. No management specific to deciduous species has occurred in the past other than the incidental removal of trees knocked down or damaged during redwood harvest operations. The deciduous trees of the Ranch have two principal values from a resource management standpoint: (1) the value of the wood produced for use as fuelwood and (2) the value of deciduous forest in providing wildlife habitat. The optimization of both of these values is desirable for the Ranch, and so management strategies will require consideration of both. Because of the relatively low commercial value of fuelwood (~\$25 per cord, stumpage), and the high amount of labor required to manage fuelwood resources, no future commercialization is foreseen, nor proposed.

All existing roads, trails, landings, and developments found on the property were mapped (See Page 8). The roads remain in good condition, with erosion controls installed under the past THP's still effectively mitigating the chance of accelerated erosion. Accessibility to the property and to the resources contained on the property is good, with several routes of entry and well-dispersed trails throughout the property. The route used to access the upper portion of the property is from Bella Vista Lane from State Highway 152 using an existing right-of-way. In order to access the lower portion of the property there are several access points from county roads at the bottom of the property.

No snags or ancient trees were encountered on the parcel during the cruise. The amount of downed, woody debris was found to be moderate, typically as moderately decayed branch material,

A recorded archeological site exists on the property in the form of a historic cabin. The landowner does not know of any additional archeological sites located on the property. As a requisite for timber harvest plan submittal, an archeological records check would be conducted through the California Historical Resources Information System, and the Native American Heritage affiliate for the region. Any archeological site information is held confidentially, and it would not be accessible public information from the 1987 THP.

ANALYSIS

TIMBER RESOURCES

PRESENT STAND CONDITIONS

The parcel is currently well-stocked, and contains Over 130 ft.² of basal area per acre, well above the required 75 ft.² per acre deemed necessary for timberland by the State of California and the County of Santa Cruz. Annual growth is 120 ft.³/acre/year (7150 board feet/acre/10 years), again well above the requirement of 15 ft.³/acre/year as deemed necessary by the County of Santa Cruz (set forth in Chapter 13.10.375 of SC Co. Code). Thus, the parcel meets the timber stocking standards for rezoning to timberland production.

The accessibility of the timber is fairly good, as the property has good access to all portions of the tract, making tractor-skidding the most reasonable method of extracting felled timber. Results of the growth analysis indicate that growth per acre is consistent with what one may expect of the site. The total amount of wood fiber grown in the Unit is 532.42 MBF each 10 years.

FUTURE STAND CONDITIONS

Data from the stand and stock tables indicates that the timber stand will continue to grow vigorously. There are no problems with insect or disease pathogens, and past harvesting has selected a crop of trees with high relative vigor. Future stand conditions will largely be determined by timber harvest operations conducted in the future. Thus, timber marking goals would be established with future desired stand conditions in mind, as elucidated later in this plan (See RECOMMENDATIONS, FUTURE TIMBER MANAGEMENT OPERATIONS, HARVEST METHODS).

ECOSYSTEM RESOURCES

The manipulation of plant-resources on the property could allow for maximum sustained growth rates of commercial conifer species. This could be achieved by selecting trees for harvest so as to maximize the receipt and uptake of light- and moisture-resources within the stand. Proper tree spacing would thus encourage maximum sustained growth.

No standing snags were encountered on the parcel during the cruise conducted in 1998. Future harvests would give consideration to the wildlife resources snags provide, and encountered snags would be retained for their wildlife benefits wherever safe harvesting practices allow. The amount of downed, woody debris is moderate over the property, and the presence and amount of downed woody debris would be considered during the planning and operation of any harvesting activities. No ancient trees were found on the parcel (200+ years).

The class 3 watercourses, which leave the property on the eastern boundary, were found to have no obvious sources of accelerated sedimentation. The drainages have a high relative amount of ground-cover, and old accumulations of woody debris provide for good energy dissipation along the length of the watercourses.

DESCRIPTION OF PROPOSED DEVELOPMENT

There is no future development proposed on this parcel at this time.

RECOMMENDATIONS

FUTURE TIMBER MANAGEMENT OPERATIONS

HARVEST METHODS

Methods of harvest for this tract would emulate that of past harvests, using selective harvesting of conifers and tractor skidding. Forest improvements would be made through the use of harvests, whereby poor-quality stems would be selected for removal during commercial harvests. Hardwoods cut during the course of harvest operations would be removed, in order to maintain a stand with similar diversity as currently exists. The Licensed Timber Operator (LTO) would follow specific guidelines as set forth by a State-approved THP, subject to review by the applicable land-use agencies. Watercourse protection would be conducted as required by any State-approved plan.

In order to facilitate forest productivity and condition, several marking goals will be established:

1. Mark to release young-generation sprouts (common, as evidenced by regeneration data results)
2. Remove defective trees
3. Generate adequate spacing in redwood groves
4. Harvest trees at a sustainable rate

To implement these marking goals, the following, specific marking objectives will be used:

- a) removals in the 16"-20" diameter classes will be limited to defective stems and removal to generate spacing conducive to overall plan goals.
- b) Removal of trees in the 22"+ diameter classes will be emphasized in harvesting activities

Logs would be hauled out from the property, onto State Hwy 152, turning onto Holohan Rd., to Airport Blvd., and from there onto Highway 1, where the logs would be directed to the mill designated within the THP. The projected harvest would produce 1,008,710 board feet every ten years. Assuming an average load of 5,000 board feet/log truck, the harvest would require 202 loads to remove the timber. Since this harvest would occur over a few months or so, the maximum number of truck loads/day would be around 4.

EROSION HAZARD INVENTORY AND PLAN

The erosion hazard rating for the parcel is moderate and high with slopes on the parcel averaging 20% (EHR worksheet in Appendix). The broad ridgeline is very gentle with side slopes off of the ridge reaching 75%. Following the last timber harvest the seasonal road was treated with rolling dips.

Post-operation management would include the mitigation of sediment sources and the establishment and maintenance of erosion control structures on roads used during harvest operations. Skid trails would be slash-packed and closed out. Any landings used would be outsloped and all yarded unusable material would be strewn over bare soil. Short-term maintenance of erosion control structures (through the first winter following the harvest), would be conducted by the LTO, and then after by the landowner.

The harvesting cycle would be no less than 10 years and not more than 15 years, typically expected to be around 12 years. After each harvest entry, at least 75 square feet of conifer basal area per acre will be retained. It should be noted that harvest intensities on this parcel will be less than those dictated in the NTMP, in order to meet landowner objectives. Aesthetics will play a major role in determining harvest intensities. In the previous harvest, on some areas of the Ranch, less than 25% of the conifers >18" dbh were cut in order to meet landowner objectives.

In Unit 1, of which this parcel is a portion, approximately 6.53 MBF/acre would be harvested every 10 years, leaving an estimated 18.51 MBF/acre of residual volume. The amount of harvest would be 35% of the residual volume after harvest. This rotation would maintain an average volume of around 1462.29 MBF in the Unit.

Maximum Sustained Production (MSP) of high quality timber products will be achieved by following the guidelines of this plan. The standards for MSP, as outlined in the Forest Practice Rules (14 CCR 913.11 (c)(2)) state that MSP has been achieved when: (1) eight or more trees/acre, of 18 inches DBH or greater, of full crown, capable of seed production, and representative of the best phenotypes available in the preharvest stand are left after harvest, (2) minimum stocking and basal area standards for the selective silvicultural system will be met with primary stand species, and (3) all associated forestland resources such as air, soil, fish, wildlife, water, and other public trust resources are protected through the application and adherence to the Forest Practice Rules and the additional measures specified in the plan (State of Calif, CDF 1998). MSP can be achieved when harvesting occurs as specified in this plan. Forestland resources would be protected and improved as a result of mitigation measures employed within this plan and subsequent THP's.

FISH AND WILDLIFE MANAGEMENT

The wildlife species of primary concern regarding timber activities at this site are:

1. Red-legged frog (*Rana aurora draytoni*), a Federally- and State-listed Threatened species under the Endangered Species Act (ESA)
2. Coho salmon (*Oncorhynchus kisutch*), a Federally-listed Threatened species under the ESA
3. Steelhead salmon (*Oncorhynchus mykiss*), a Federally-listed Threatened species under the ESA

The potential of the presence of and/or the possibility of effects to several species of specific concern (those listed on Federal, State, or County Threatened & Endangered Lists) was evaluated. The Natural Diversity Database (compiled by the DFG) and the Biotic Resources Map (at the Felton CDF office) were analyzed.

Using the Natural Diversity Database (NDDDB), no species of concern were found within close proximity of the property. The nearest mobile species of concern is over 26,000 feet (4.9 miles) away—an incidence of the tricolored blackbird (*Agelaius tricolor*). This species seeks cover in "emergent wetland vegetation", not likely to range as far as the NTMP property, and specifically when little of such habitat can be found on the Ranch (Zeiner et al., 1990). The Biotic Resources Map shows that the NTMP area is within

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81
EXHIBIT H

the South County Grasslands Community. This plant community is an important habitat for grasslands fauna and wintering hawks. Some redwood stands and clumps are surrounded by grassland. In these areas some skidding will occur. As these areas are also used for livestock production, the grassland community will be reinstated either naturally or with ranch activities such as seeding. The proximity of surrounding grassland species will encourage the reestablishment of the grassland community. Annual grasses are typified by their high relative amount of seed production. This ready seed source will further encourage small areas of disturbance to revert to the native grassland community.

The U.S. Fish and Wildlife Service has recently established interim guidelines for determining protective measures against the take of the Red-legged frog as the result of timber harvesting activities (USDI, USFWS 1996). Due to the aforementioned sighting in the east branch of Hansen Slough, the completion of the dichotomous key for determining protection measures was completed. The results of this exercise indicate that:

[harvesting activities under this NTMP] "will not likely result in take of California red-legged frogs because no California red-legged frogs have been observed in the THP area or the area immediately downstream ... Therefore, no measures are recommended to avoid take."

The possibility of effects on the two remaining species, Coho salmon and Steelhead trout, would be successfully mitigated through the adherence to CDF Forest Practice Rules. A list of County-listed Threatened, Endangered, or of Special Concern animals is included in Appendix E.

RECREATIONAL & VISUAL IMPACT ASSESSMENT

The amount of recreational use that the property receives is minimal. Harvest activities would negligibly affect the recreational utility of the property. Any effects would be realized only by the landowner, as no public recreation occurs on or adjacent to the property.

The harvest area is readily visible from Hwy 1, Hwy 152 and much of the City of Watsonville. The selective method of harvesting used under the two previous THP's has proven that a continuous forest canopy remains, with minimal visual alteration.

URBAN INTERFACE ISSUES

The parcel is located in rural Santa Cruz County on the ridge line along the border with Santa Clara County. The site is surrounded by large parcels with similar land uses such as, Timber Production and Commercial Agriculture. No urban interface issues are expected in the foreseeable future,

FIRE PROTECTION AND MANAGEMENT OF FUELS

During harvest operations, each piece of heavy equipment will have a fire-fighting shovel, and each chain saw will be accompanied by a fire extinguisher or shovel. Fire suppression tool boxes will be located on each active landing, and contain shovels, McLeod's, and a water-filled extinguisher. The logging foreman will observe the active logging area for signs of ignition. If a fire is ignited during timber operations, one employee will be deployed to contact the CDF Fire Protection Station, and all available personnel and equipment will work to extinguish the fire.

LITERATURE/SOURCES CITED AND REFERENCED

- California Department of Fish & Game. 1997. Natural Diversity Database Maps. 0567
- Clark-Cooper Geologic Resources Map. 1954.
- State of California, Department of Forestry and Fire Protection. 1998. Forest Practice Rules, 14CCR Chapters 4 & 4.5. 292 pp.
- U.S. Department of Interior, Fish & Wildlife Service. 1996. Interim Guidelines for Determining Protective Measures for Timber harvest Plans to Avoid Take of the California Red-legged Frog.
- U.S.D.A. Natural Resources Conservation Service. 1980. soil Survey for Santa Cruz County,

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

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

TIMBER HARVEST PLAN
STATE OF CALIFORNIA
DEPARTMENT OF FORESTRY
AND FIRE PROTECTION
RM-63 (9/94)FOR ADMIN. USE ONLY
THP No. 1-97-027 SCR

Date Rec'd	FEB 04 1997
Date Filed	FEB 10 1997
Date Apprd.	MAR 28 1997
Date Exp.	MAR 27 2000
Extensions 1) [] 2) []	

This Timber Harvest Plan (THP) form, when properly completed, is designated 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 1 - GENERAL INFORMATION

This THP conforms with 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 D & D Ranch
Address 99 Almaden Blvd., Suite 565
City San Jose State CA Zip Code 95113
Phone 408-998-2460

Signature [Signature]Date 1-24-97

[] NORTHERN FOREST DISTRICT

[] Other

2. TIMBERLAND OWNER(S) OF RECORD:

Name Same as Timberowners
Address _____
City _____ State _____ Zip Code _____
Phone _____

Signature _____ Date _____

3. LICENSED TIMBER OPERATOR(S):

Name: To be amended.
License # _____
Address _____
City _____ State _____ Zip Code _____
Phone _____

4. PLAN SUBMITTER(S):

Name me as Timberowners
Address Sa
City _____ State _____ Zip Code _____
Phone _____

Signature _____ Date _____

RECEIVED

FEB 04 1997

COAST

EXHIBIT 4
81

5. If LTO is not present on-site, list person who is responsible for the conduct of the operation and represents the interests of the LTO.

0570

Name Roy Webster
 Address 132 Rancho Del Mar
 City Aptos State CA Zip Code 95003
 Phone 408-688-8787

☒ 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? LTO

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 operations will occur within the:

☐ COAST FOREST DISTRICT

☐ The Tahoe Regional Planning Authority Jurisdiction

☒ Southern Subdistrict of the C.F.D.

☒ A county with Special Regulations, Identify: Santa Cruz County

☐ SOUTHERN FOREST DISTRICT

☐ High use subdistrict of the S.F.D.

☐ Special Treatment Area(s), Identify:

☐ NORTHERN FOREST DISTRICT

☐ Other:

8. Location of the timber operation by legal description:

Base and Meridian: ☒ Mount Diablo, ☐ Humboldt, ☐ San Bernardino

Section Portion of	Township	Range	Acreage	County	APN Number
<u>Salsipuedes land Grant</u>	<u>T11S</u>	<u>R2&3E</u>	<u>75</u>	<u>Santa Cruz</u>	

Total Acreage 75

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 approved _____
- ☐ Yes ☒ No Has a Sustained Yield Plan been submitted but not approved?
 Number _____ Date approved _____
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:

0571

Name: Roy Webster, RPF # 1765
Webster & Associates
 Address: 132 Rancho Del Mar
Aptos, CA 95003
 Phone: (408) 688-8787

- (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?

☒ Yes ☐ No 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 operations. (Include both work completed and work to be done):

I will be responsible for preparation, submission, and gaining approval of this THP; marking timber, flagging required by the Forest Practice Rules; plan amendments, and professional advice as per 913.8(b)(5). John Andersen, RPF# 2503, will be my designee, for this THP.

- (d) Additional required work requiring an RPF which I do not have the authority or the responsibility to perform: None.

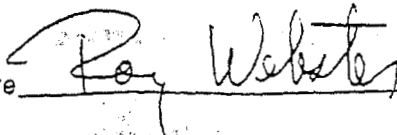
- (e) After considering the rules of the Board of Forestry and the mitigation measures, I have determined that the timber operation:

☐ will have a significant adverse impact on the environment. (Statement of reasons for overriding considerations contained within Section III)

☒ will not have a significant adverse impact on the environment.

Registered Professional Forester: I certify that I, or my 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

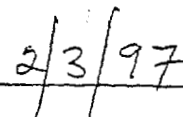


EXHIBIT H-81

SECTION II - PLAN OF TIMBER OPERATIONS

ATTACHMENT 5

0572

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, 953.111). If more than one method or treatment will be used, show boundaries on a map and list approximate acreages for each.

<input type="checkbox"/> Clearcutting ____ ac.	<input type="checkbox"/> Shltrwd. Prep. Step ____ ac.	<input type="checkbox"/> Seed Tree Seed Step ____ ac.
	<input type="checkbox"/> Shltrwd. Seed Step ____ ac.	<input type="checkbox"/> Seed Tree Rmvl. Step ____ ac.
	<input type="checkbox"/> Shltrwd Rmvl. Step ____ ac.	
<input checked="" type="checkbox"/> Selection <u>75</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"/> Rehab. of Understocked Area ____ ac.	
<input type="checkbox"/> Alternative ____ ac.	<input type="checkbox"/> Conversion ____ ac.	

Total Acreage 75 ac MSP Chosen a ☐ b ☐ c ☒

- a. If Group Selection or more than one method is applied, how will the LTO determine the boundaries of each group on the ground? Not applicable

- b. ☐ Yes ☐ No Will even-age regeneration step units be larger than those specified in the rules (20 acre tractor, 30 acre cable)? If yes, units must be designated on a map and listed by size. Not applicable

- 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 trees to be harvested will be marked at breast height and at the base with paint.~~ the winter period or at completion of the harvest period.

- ☐ Yes ☒ No Is a waiver of marking by the RPF requirement requested. If yes, how will the LTO determine which trees will be harvested or retained.

- d. Forest Products to be Harvested: Sawlogs and fuelwood. **Fuelwood will be harvested from damaged hardwoods as a result of conifer falling only.**

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

- f. Other instructions to LTO concerning felling operations.

Some directional tree pulling may be necessary to avoid falling trees across topographic features, such as ridge lines, and watercourses.

- 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 site preparation addendum.

PESTS

15. ☐ Yes ☒ No Are there any adverse insect, disease, or pest problems of significance in the THP area? If yes, describe the proposed measures to improve the health, vigor and productivity of the stand(s).

HARVESTING PRACTICES

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

0573

GROUND BASED

- a) ☒ Tractor, including end/long lining
 b) ☒ Rubber tired skidder, Forwarder
 c) ☐ Feller buncher

CABLE

- d) ☐ Cable, ground lead
 e) ☐ Cable, high lead
 f) ☐ Cable, Skyline

SPECIAL

- g) ☐ Animal
 h) ☐ Helicopter
 i) ☐ Other

- All tractor operations restrictions apply to ground based equipment.

17. Erosion Hazard Rating: Indicates the Erosion Hazard Ratings present on the 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 EHR's 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.

Waterbars will be installed as per 14 CCR 914.6 on all skid trails and truck roads. If bare soil areas greater than 800 square feet occur which have access to watercourses as a result of harvest activities, these areas will be straw mulched to a 3 inch depth. This is equivalent to one bale of straw per 400 square feet. Expected coverage of the straw is at least 90%. The application of seed proposed in this THP shall be annual rye grass at the rate of 50 pounds per acre. These measures shall be implemented at completion of operations if operations are occurring in the winter period. If operations are occurring outside of the winter period, this work will be done at the start of the winter period or at completion of the harvest operations, whichever occurs first.

19. ☐ Yes ☒ No Are tractor or skidder constructed layouts to be used? If yes, specify the location and extent of use.20. ☐ Yes ☐ No Will ground based equipment be used within the area(s) designated for cable yarding? If yes, specify the location and for what purpose the equipment will be used? Not applicable.

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.

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

WINTER OPERATIONS

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

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EXHIBIT H

81

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

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Winter operations are proposed for all portions of the harvest area located above 1400 feet in elevation. Where the contour line runs through the harvest area, the harvest area is proposed for winter operations if half of the harvest area is located upslope from the 1400 foot contour line. Any tractor yarding which occurs during the winter period shall occur during dry rainless periods when soils are not saturated. Erosion control structures shall be installed on all skid trails and truck roads prior to the end of the day if the US Weather forecast is a chance (30% or greater) of rain before the next day, and prior to weekend and other shutdown periods.

During the winter period, only one landing together with road serving it and tractor trails leading to the landing will be open and in use at any given time. Log hauling shall cease by December 1. The RPF may extend this date if the rain for that particular year has been light and the roads are relatively firm. The RPF shall obtain verbal approval from CDF to extend hauling past the cutoff date. Timber falling and yarding may occur as proposed in this THP.

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

ROADS AND LANDINGS

24. ☒ Yes ☐ No Will any roads or landings be constructed or reconstructed? If yes, check items a through h:

a. ☐ Yes ☒ No Will new roads be wider than single lane with turnouts?

b. ☐ Yes ☒ No Will any landings exceed one half acre in size?

c. ☐ Yes ☒ No Are logging roads or landings proposed in areas of unstable soils or known slide-prone areas?

d. ☐ Yes ☒ No Will new roads exceed a grade of 15% or have pitches of up to 20% for distances greater than 500 feet?

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 the boundary of a WLPZ?

g. ☐ Yes ☒ No Are exceptions proposed for flagging or otherwise identifying the location of 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.

A small portion of seasonal road is proposed. This section of road construction is discussed under Item #26, Site "f". The proposed construction will move a road out of a Class 3 watercourse and reestablish the Class 3 channel. All other roads are existing, requiring little to no blade work to make them useable by log trucks.

At site "d" an existing seasonal road is insloped, drained by two culverts which run from the inside edge of the road to the outside edge. Both culverts are approximately 12 inches in diameter. These pipes drain a long stretch of road which is insloped, causing high flows and high sediment deposits to occur near the inlet to the culverts. Therefore, two additional culverts will be installed along this insloped portion of the road. One culvert shall be installed upslope of the upper culvert, and the second culvert shall be installed between the two existing culverts. The new culverts shall be at least 18 inches in diameter and be placed at the same gradient as the inside ditch. All four culverts, the two existing ones and the two new ones, shall have downspouts attached. 0575

At site "e" an existing seasonal road crosses a minor Class 3 watercourse which is normally in the form of a spring. The watercourse/spring drains across the road through an 8 inch pipe. This winter high flows were observed at this pipe and it was barely containing the flow. Therefore, the 8 inch culvert shall be replaced with a pipe at least 18 inches in diameter. The fill surrounding the inlet to the culvert shall be armored with concrete bags or similar material.

At site "h" an old road/trail runs up a swale. The soil is exposed and eroding during storms. Therefore, logging slash shall be pushed into the swale and crushed into the road surface with a tractor for 25 feet from the main haul road. Slash shall also be placed in the eroding road fill just downslope from this site where the swale crosses the road.

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 1 and/or 14 CCR 916.4 (c); 936.4 (c); 956.4 (c) of the WLPZ rules for each watercourse.

There are no Class 1 or 2 watercourses located within the harvest area. A number of Class 3 watercourses exist within the harvest area. Timber may be felled across these Class 3 watercourses where needed. Where feasible, timber will be marked to fall away from Class 3 watercourses. Any accidental deposition of soil into a Class 3 watercourse shall be removed immediately. Slash deposited in Class 3 watercourses shall be removed or stabilized prior to the end of operations or before the winter period, whichever occurs first.

There are three watercourse crossings along the haul route which shall be repaired or replaced:

Crossing "a": This is an existing crossing of a Class 3 watercourse. The pipe at this location is approximately 18 inches in diameter and is functional with the exception of needing a headwall. During the winter of 1996/97, approximately half of the flow was flowing over the top of the culvert because it was partially blocked with sediment and woody debris. A headwall constructed of concrete bags shall surround the inlet to the culvert. The downspout shall have a load of 6 inch or greater rock placed around the outlet to support fill surrounding the outlet or the fill may be supported by concrete bags placed on top of each other surrounding the outlet. A trash rack shall also be installed approximately ten feet upstream from the inlet.

Crossing "b": This is an existing crossing of a Class 3 watercourse. The culvert at this crossing is rusted and bound to fail soon. The culvert supported a log truck during harvesting which occurred under THP# 1-93-461 SCR, but may not be able to by the time harvesting occurs under this proposed THP. The culvert shall be replaced by a CMP pipe at least 24 inches in diameter located at stream grade. Concrete bags shall be placed around the inlet and outlet of this culvert. A trash

rack shall also be installed approximately ten feet upstream from the inlet.

ATTACHMENT 5

0576

Crossing "c": This is an existing crossing of a Class 3 watercourse located off of Highway 152 along the haul road (in the "bull pen"). The culvert at this crossing is functional but the fill over the inlet and outlet have failed during the 1996/97 winter season. Concrete bags shall be placed around the inlet and outlet to support fill and to keep the ends of the pipe free from obstructions. A trash rack shall be installed at least ten feet upstream from the culvert inlet. The trash rack shall be composed of 6 or more T-posts or similar material.

At site "f" the existing seasonal road runs in the beginning of a Class 3 watercourse for approximately 250 feet. The road is in the watercourse roughly from the water trough to the top of the channel. This road shall be moved out of the channel by relocating the road approximately six feet further up the slope. The new road alignment shall join the existing road downslope from the water trough. The old road and channel shall be seeded and straw mulched prior to the winter period. The new road alignment shall be seeded. The Class 3 watercourse channel shall be directed back into its original channel immediately below the water trough.

At site "g" the road shall be dipped as it crosses a minor Class 3 watercourse to allow runoff to flow directly across the road.

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

a. ☐ Yes ☒ No Prohibition of the construction or reconstruction of roads, construction or use of tractor roads or landings in Class I, II, III, or IV watercourses, WLPZs, marshes, wet meadows and other wet areas except at prepared crossings.

b. ☐ Yes ☒ No Retention of non-commercial vegetation bordering and covering meadows and wet areas?

c. ☐ Yes ☒ No Directional felling of trees within the WLPZ away from the watercourse or lake?

d. ☐ Yes ☒ No increase or decrease of width(s) of the WLPZ(s)?

e. ☐ Yes ☒ No Protection of watercourses which conduct class IV waters?

f. ☐ Yes ☒ No Exclusion of heavy equipment from the WLPZ?

g. ☐ Yes ☒ No Retention of 50% of the overstory canopy in the WLPZ?

h. ☐ Yes ☒ No Retention of 50% of the understory in the WLPZ?

i. ☐ Yes ☒ No Are any additional in-lieu or any alternative practices proposed for watercourse or lake protection?

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.

28. ☒ Yes ☐ No Were all landowners within 1000 feet downstream of the THP notified by letter for information regarding domestic water supplies? If no, request exemption in

☒ 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.

81

EXHIBIT H

REVISED 2-4-97

- ☐ 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 implemented by the LTO. 0577

29. ☐ Yes ☒ No Is any part of the THP 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. Not applicable.

BIOLOGICAL RESOURCES

32. ☐ Yes ☒ No Are any listed species, including there 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.
- ~~34. ☐ Yes ☒ No Are any Late Successional Forest Stands proposed for harvest? If yes, describe the measures to be implemented by the LTO that avoid long-term significant adverse effects on fish, wildlife and listed species known to be primarily associated with late succession forests.~~
35. ☐ Yes ☒ No Are any other provisions for wildlife protection required by the rules? If yes, describe.
36. a. ☒ Yes ☐ No Has an archaeological survey been made of the THP area?
 b. ☒ Yes ☐ No Has 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.

The following protection measures shall be observed around the cabin:

- A 30 foot Equipment Exclusion Zone (EEZ) shall be observed around the cabin.
- Trees to be harvested near the cabin shall be felled away from the cabin.

No golden eagles or their nests have been found in the harvest area or on the ranch as a whole, but if they are found during the conduct of the operation the following measures shall be followed:

- 1) If a nest is found, all operations shall cease until CDF and DFG have been notified of the nest.
- 2) If an active nest is found, a buffer zone shall be established. The zone shall be at least eight acres in size and be designed to best protect the nest site.
- 3) All nest trees containing active nests, and all designated perch trees, screening trees, and replacement trees, shall be left standing and unharmed.
- 4) The critical period for this species is January 15 to April 15 for active nests, and is extended from April 15 until either September 1 or until the birds have fledged from occupied nests. During this critical period, hauling on existing roads which normally receive use during the critical period is permitted. Other timber operations are not permitted in the buffer zone.

The RPF shall inspect all the appurtenant haul roads at the end of operations and direct the LTO in whatever additional work is needed to adequately drain the road. This will include two additional waterbars on the haul road downslope from site "f"

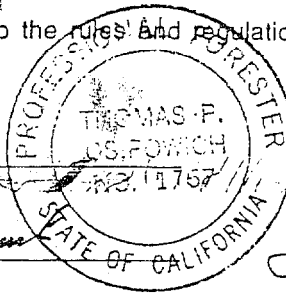
DIRECTOR OF FORESTRY AND FIRE PROTECTION

This Timber Harvest Plan conforms to the rules and regulations of the Board of Forestry and the Forest Practices Act:

By:

(Signature)

(Printed Name)



(Date)

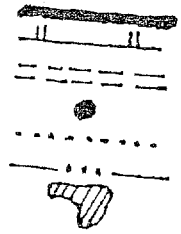
(Title)

SANTA CLARA CO
SANTA CRUZ CO

D & D RANCH TIMBER HARVEST PLAN
THP MAP

T11S, R2 & 3E, Portion of Salsipuedes Land Gr
1"=1000'

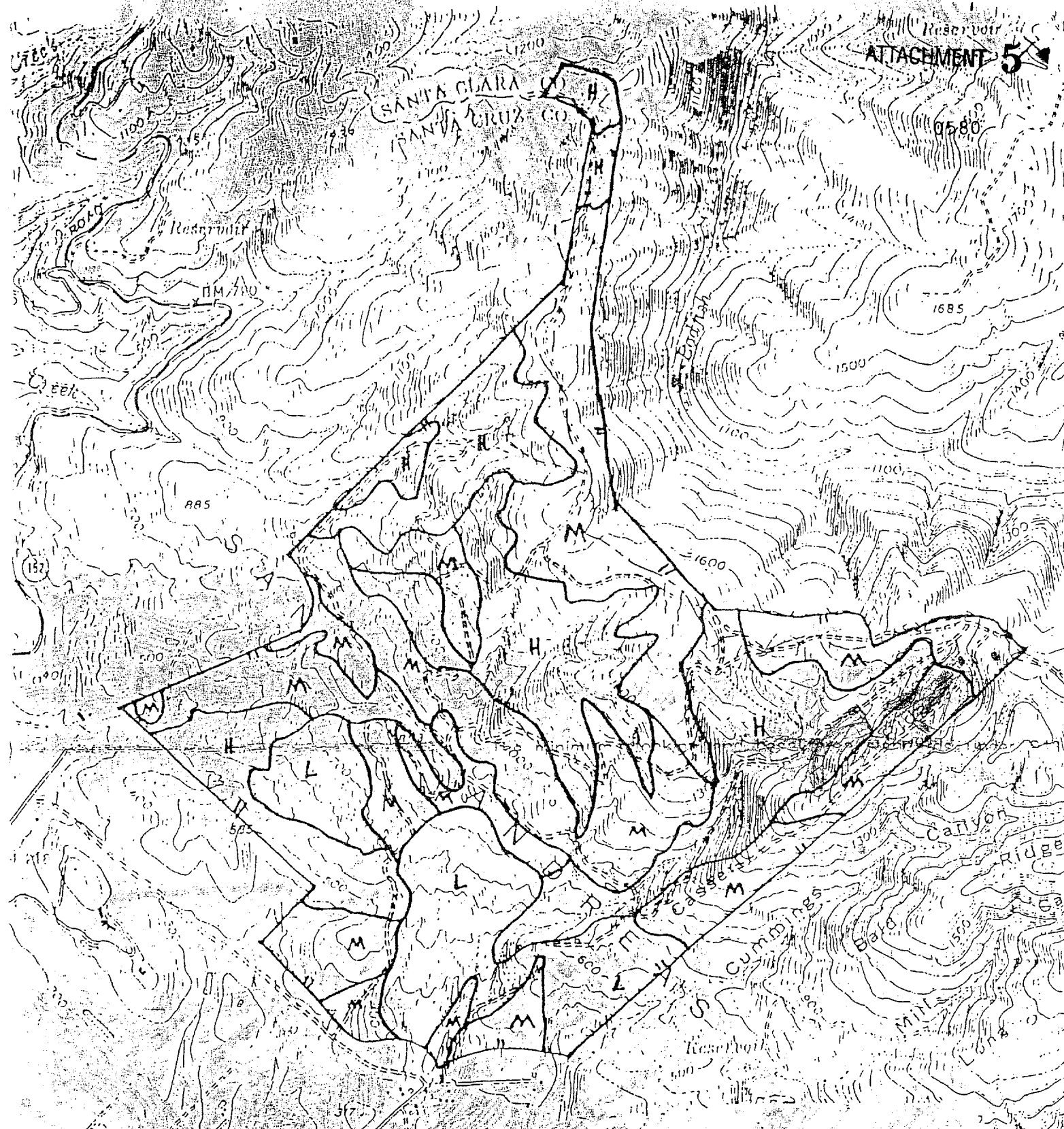
- Property boundary
- Harvest boundary
- Existing seasonal road
- Proposed landings
- Proposed skid trails
- Class 3 watercourse
- Pond



* Note: Entire property is within Santa Cruz County. USGS map does not show current boundary

REVISED 2-27-97





D&D RANCH THP - EROSION HAZARD RATING MAP
 T11S, R2 & 3E, Portion of Salsipuedes,
 M.D.B.M. 1"=2000'

Soil Erosion Hazard Boundary

*Note: Santa Clara/Santa Cruz County line shown on map is not current. THP is entirely in Santa Cruz County.

D & D RANCH TIMBER HARVEST PLAN

0581

SECTION III

January, 1997

#11 Past THPs on file with CDF

This THP has been written and submitted because a former THP for the entire D & D Ranch has expired. The former THP was THP# 1-93-461 SCR. Approximately one-half of the acreage covered under THP# 1-93-461 SCR was harvested when the THP expired. This proposed THP covers the second half of the D & D Ranch timberland. A Work Completion Report has been submitted for the timberland harvested under THP# 1-93-461 SCR.

#14 Silviculture

The selection method will be used for this harvest under 14 CCR 913.8 (a). At least 75 sq. ft. of basal area per acre will remain after timber operations are completed on this timberland which is Site III. In order to show that this Timber Harvest Plan conforms to 14 CCR 913.11, Maximum Sustained Production of High Quality Timber Products, the requirements of subsection (c) will be implemented. This subsection states that a THP has achieved Maximum Sustained Production (MSP) when, for unevenaged management, the THP complies with seed tree retention standards pursuant to 913.1 (c) (1) (A), the THP complies with the minimum stocking and basal area standards for the selected silvicultural methods as stated in the rules only with Group A species, and the THP protects soil, air, fish and wildlife, water resources, and other public trust resources.

The minimum stocking and basal area standards under 913.8 (a) will be met as discussed above with Group A species, in this instance, Douglas fir and coast redwood. These requirements call for more residual stocking and basal area than seed tree retention standards, therefore exceeding the basal area and number of trees required. The mitigations incorporated into this THP will serve to protect soil, air, fish and wildlife, water resources, and other public trust resources. Some of the mitigations include the use of existing skid trails and roads in order to minimize construction, which in turn reduces impacts to soils and wildlife, and maintains growing space for conifers.

No harvesting of late successional forest stands, as defined in 14 CCR 895.1, is proposed under this THP.

#16 Yarding

Harvested timber is proposed to be yarded by tractors and rubber-tired skidders. All equipment will stay out of Class 3 watercourses. Approximately 85% of the harvest area is located on slopes between 10 and 35%. The remaining areas where steeper slopes are found (over 50%), equipment operations shall be limited to the longlining of timber from slopes less than 50%.

#23 Winter Operations

winter operations are proposed for this THP in areas located above 1400 feet in elevation. Operations shall be limited to dry, rainless periods when soils are not saturated. During the winter period, only one landing and its associated haul roads and

12.1 51

EXHIBIT H 81

skid trails shall be used at any one time. All other landings, skid trails, and haul roads shall be waterbared or otherwise closed out for the winter. Other landings may be opened up during the winter, but only after the prior one has been closed out.

0582

#24 Roads and Landings to be constructed or reconstructed.

All roads to be used for this harvest are existing roads with very little work needed for them to be usable by log trucks. The only anticipated grading which will be needed on most of the roads is the removal of waterbars. One road will need to have brush removed before log truck traffic will be able to use the road. The main haul road through the D & D Ranch has been waterbared during the 1996 Season when half of the property was harvested under 1-93-461- SCR. All roads used for this harvest shall have waterbars or rolling dips installed as per 14 CCR 914.6.

At crossing "a" is an existing crossing of a Class 3 watercourse. The pipe at this location is approximately 18 inches in diameter and is functional with the exception of needing a headwall. During the winter of 1996/97, approximately half of the flow was flowing over the top of the culvert because it was partially blocked with sediment and woody debris. A headwall constructed of concrete bags shall surround the inlet to the culvert. A trash rack shall also be installed approximately ten feet upstream from the inlet.

At point "b" on the THP map, a new culvert is needed to replace a broken pipe used for a road crossing of Class 3 watercourse. The culvert has rusted and will likely fail in the near future. A 24" CMP pipe will be installed at this point. It is difficult to discern the size of the pipe currently in the channel because it is partially crushed.

At crossing "c" is an existing crossing of a Class 3 watercourse located off of Highway 152 along the haul road (in the "bull pen"). The culvert at this crossing is functional but the fill over the inlet and outlet have failed during the 1996/97 winter season. Concrete bags shall be placed around the inlet and outlet to support fill and to keep the ends of the pipe free from obstructions.

The haul route shown on the General Location Map to the west of the property is on a separate parcel owned by D & D Ranch. The ranch owns property up to Highway 152.

#28 Public Notice

There were many people who were sent a Notice of Intent to Harvest Timber because they own property within 300 feet of the property boundaries. The list of these property owners is found attached. In addition, the Watsonville Water District, the Pajaro Valley Unified School District, and Walt Symons, Board of Supervisors, were sent a Notice of intent to Harvest Timber.

Landowners within 1000 feet downslope of the THP boundary were notified to request information of domestic water uptakes, if a Class 1, 2, or 4 watercourse is running through or adjoining their property boundary. No responses were received by Webster Associates which indicated a domestic water uptake within 1000 feet downslope from the harvest area. When the original THP was submitted for this area (THP# 1-93-461 SCR) no responses were received from anyone during the review of that THP.

The Notice of Intent to Harvest Timber and Domestic Water Inquiry were published in the Santa Cruz Sentinel. Ten days were allowed to pass from the date of publishing for

members of the public to respond with information about domestic water supplies before the THP was submitted. No responses were received within that ten day period.

0583

#32 Rare and Endangered Species of Special Concern

The Natural Diversity Data Base by the Department of Fish and Game and the Biotic Resources Map by the County of Santa Cruz were checked at CDF in Felton for any information on rare, endangered, or threatened species within the harvest area. No such species were noted on the Natural Diversity Database. The Biotic Resources Map showed the plan boundary within the South County Grasslands Community, an important habitat for grasslands fauna and wintering hawks. The timber harvest boundary has been drawn around redwood areas and does not include grassland areas. No new road construction is proposed in the grassland areas and not into the THP at all. In some areas on the ridgetop portions the property, scattered redwood clumps are found surrounded by grasslands. In these areas some skidding in grassland areas will occur. The ranch constantly maintains these grasslands for grazing purposes. Therefore, areas where skidding has occurred will revert back to grassland quickly either naturally or by ranch activities such as planting of grass in these areas. Areas which were harvested under 1-93-461 SCR where skidding occurred in grassland areas in 1996 have already reverted back to grassland.

One species of concern is the coho salmon. The California Department of Fish and Game has recently listed this species as endangered south of the San Francisco Bay. The Department of Fish and Game has listed eleven stream systems south of San Francisco Bay which are important to the coho population. The Pajaro River is one of these streams. However, the THP area drains downslope to College Lake. During high flow periods, the lake does overflow into Corralitos Creek which enters the Fajaro River. It is doubtful that coho salmon make it into College Lake, but for the sake of being conservative, the RPF is assuming the lake will be a local population for Class 3 watercourses will be followed for this THP. The Dept. of Fish and Game recently issued

this Biological Opinion to the California Department of Forestry for review and approval of Timber Harvest Plans and timber operations plans within the range of coho salmon south of San Francisco Bay. This Biological Opinion contains baseline conservation measures and descriptions of sensitive conditions for coho streams. These measures contain specific mitigations to be followed when timber operations occur in the watersheds of one of these streams.

Section 4.4 Class III watercourses: Where DFG has determined through consideration of all relevant information derived through scientific methodology, including site specific information provided by the RPF that sediment is degrading, or the proposed project could degrade key coho salmon habitat elements like spawning gravel and rearing pools, the following threshold of additional mitigation measures must be required for all Class III watercourses:

Section 4.4.1: The RPF must establish in the THP equipment exclusion zones (EEZ) with specific crossing locations, or establish specific operating procedures designed to avoid generation of sediment capable of being routed through the Class 3 watercourse to downstream Class 1 or 2 watercourses.

No skid trail crossings of watercourses is proposed under this THP. Truck road crossings of watercourses are limited to existing crossings.

EXHIBIT H 81

Section 4.4.2: All tractor road watercourse crossings must be flagged prior to the preharvest inspection so that they can be adequately evaluated for potential to generate sediment.

No tractor road crossings exist on this plan.

Section 4.4.3: Location of tractor road crossings and all felling and yarding practices must avoid disturbance to existing LWD lodged within the channel of Class III watercourses and functioning to slowly meter sediment downstream.

Felling and yarding practices will avoid disturbance by marking trees to fall away from Class 3 watercourses where ever possible.

Section 4.4.4: Site preparation activities that result in soil disturbance within or cause sediment movement into the channel of Class III watercourses will not be allowed, pursuant to 14 CCR 975.3.

No site preparation is proposed under this THP.

Section 4.5 Any Watercourse: Any mitigation which seeks to improve coho habitat that involves entry or manipulation of a watercourse in identified habitat areas cannot be implemented without approval of DFG. The RPF may propose these mitigation measures either within or outside the boundary to offset project effects.

No such work is proposed.

The U.S. Fish and Wildlife Service has recently developed interim guidelines for determining protective measures for Timber Harvest Plans to avoid take of the California Red-legged Frog. Until the finalized guidelines are developed, these guidelines are to be used for THPs. The RPF read through the dichotomous key for this property. The closest known red-legged frog sighting is approximately 6.8 miles southwest of the THP area. This frog was observed in 1990 in the east branch of Hansen Slough, 2 miles west of Watsonville at an elevation of zero feet (NDDDB information). After running through the dichotomous key, the following statement regarding protection of the red-legged frog was found:

"The THP will not likely result in take of California red-legged frogs because no California red-legged frogs have been observed in the THP area or the area immediately downstream of the THP or in areas within reasonable movement distance via either riparian corridors or upland habitats. Therefore, no measures are recommended to avoid take."

The known red-legged frog locations used for this assessment were compiled from sightings by private and company foresters in the area, RareFind information, NDDDB information, Mr. Westphal (private biologist) sightings, and information supplied by Mr. G. Holmes, CDF Inspector. All of these sightings are found on the topographic maps at Webster & Associates with descriptions for each sighting.

The checklist supplied to the RPF by the local CDF office for choices made during the use of the dichotomous key is attached in Section VI.

SECTION IV

0586

cumulative Impacts

This proposed THP covers land owned by the D & D Ranch, encompassing approximately 75 acres. The entire parcel size on which the harvesting is proposed is 1180 acres. D & D Ranch also owns land on the flat lands below these parcels that are being used for agricultural purposes. The THP is located on a southwest facing slope with second growth redwood and scattered old growth redwood found through the harvest area. Many of the old growth redwoods are cull and flagged as redwoods which will be retained. Redwood on this Site III timberland amounts to 100% of the commercial volume proposed for harvesting. No Douglas fir is found within the harvest area. Slopes vary from 0 to 90% with the majority of the harvest area located on very gentle ground on the main ridge top. Other species found on the property include willow, equisetum, coyote bush, blackberry, poison oak, stinging nettles, bay laurel, elderberry, coast live oak, grasses, thistle, coffeeberry, and maple. A great majority of the property is grassland with redwood clumps on the main ridge top, becoming more scattered in drainages. Cattle grazing occurs throughout the parcel in grassland areas.

Soils on the property consist of the Aptos loam, the Diablo Clay, the Madonna loam, the Ben Lomond-Felton complex, the Santa Lucia Shaly clay-loam, the Maymen-Madonna complex, the Lompico-Felton complex, the Bonny Doon-Rock outcrop complex, the Elder sandy loam, and the Los Osos loam. The Erosion Hazard Rating for these soils is high, moderate, and low depending on the soil (see Estimated Surface Soil Erosion Hazard Worksheet for additional information). The erosion hazard rating for many of the soils outside of the harvest area was determined so waterbar spacing could be determined on the haul roads.

Many of the roads on the D & D Ranch have been mitigated in the past THP submitted on this property (THP# 1-93-461 SCR) and this current plan. During operations on the past THP, roads were moved out of watercourses, throughout roads were drained by breaching through berms, and rolling dips or waterbars were installed on all roads used by log trucks down to Highway 152. Watercourse crossings were also improved and straw was spread in many areas (over 75 bales) to control runoff of sediments from ranch roads as well as skid trails used for the harvest. This THP will mitigate crossings on the haul route and install erosion control structures on roads and skid trails which were not associated with the last harvest on this ranch under THP# 1-93-461 SCR.

The timber harvest area was clearcut around the turn of the century which removed most of the old growth redwood. Portions of this harvest unit were harvested in the 1960s when a moderate selective harvest occurred. This proposed harvest will selectively remove 50-55% of the commercial second growth redwood found within the harvest areas. Larger conifers will be marked to release the smaller conifers, especially in redwood clumps. Larger conifers will be retained when they are open grown.

For this cumulative impact assessment, the following geographic assessment areas have been considered for each of the referenced sources. Justification for using these assessment areas follows.

1. Watershed - The assessment area for watershed resources is bounded by Bald Ridge to the south and the ridge to the north of Hughes Creek to the north, and all blue line watercourses in between. A small portion of the harvest area is located in the Bodfish Creek watershed. This portion of the harvest area is included in the watershed assessment area also, even though it is in the Bodfish Creek watershed. The Bodfish

Creek watershed was not included in the watershed assessment area **because** the assessment area would then **be well** over 10,000 acres and would tend to dwarf possible impacts associated with the D & D Ranch THP. Coward Creek is also inside the watershed assessment area because Cummings Canyon drains into Coward Creek. The Watershed assessment area is approximately 7100 acres. The rationale is that all harvest areas are located upslope from these drainages. All of these watercourses drain into College Lake, an agricultural lake. Land use activities which may have impacts on this Watershed are easily confined to only this watershed and will not interact with other watersheds.

2. Soil Productivity--The assessment area for soil productivity will be the D & D Ranch property. The rationale is that heavy equipment will only be operating within the boundaries of the D & D Ranch. Soil outside of the property will be left undisturbed so no effects should result. Therefore, only the D & D Ranch property was considered.

3. Biological Resources--The assessment area for biological resources will vary for the different types of biological resources being considered. The area for aquatic species such as fish and amphibians will be the watershed assessment area. The rationale is that harvest activities could have effects which could be exported downstream and combine with others to accumulate into negative impacts. For very mobile animal species such as birds and large mammals which may range on and off the site, the assessment area will be the timber harvest area plus one-half mile outside the boundary. The rationale is that these species may move in response to an impact from management activities, and potentially, impacts from adjacent projects could accumulate to reduce available suitable habitat. For smaller, less mobile species, the area of consideration will be within the harvest area boundary. The rationale is that these species do not readily move long distances, and thus impacts will be confined to within the project area limits. For plant species, the assessment area will be the harvest plan boundary plus one-quarter mile outside. The rationale is that impacts to a given plant species or individual are more or less confined to the immediate area of operations, and potential negative impacts can be confined to those operations, and mitigations can be designed into the project.

4. Recreational Resources--The assessment area for recreational resources will be the harvest area plus 300 feet surrounding the harvest area. According to the appendix for Technical Rule addendum #2 Cumulative Impact Assessment, the assessment area for recreational resources shall be the harvest area plus 300 feet surrounding the harvest area.

5. Visual Resources-- The assessment area for visual resources will be an area within 3 miles of the THP. Viewing the harvest area from areas further than three miles will be difficult or impossible to discern any harvesting. In addition, topography and vegetation is such that much of the considered area is screened from view. The closest public road to the harvest area is located approximately 3/4 mile west of the harvest area and is located 800 feet in elevation below the harvest area.

6. Vehicular Traffic--The assessment area for vehicular traffic will be Highway 152 and Highway 1. The rationale is that the haul route is directly from private roads onto these roads. Potential impacts on traffic to these roads can then be evaluated with other known and planned traffic and mitigations, if needed, can easily be made.

information sources for this assessment include:

- CDF THP files, 6059 Highway 9, Felton, CA 95018, 408-335-9148
- The Natural Diversity Database, Dept. of Fish and Game, P.O. Box 944209, Sacramento, CA 94244-2090, 916-324-3812

- **Lists of Rare and Endangered Species** in Santa Cruz County, ~~County~~ of Santa Cruz 0588
General Plan, 701 Ocean Street, Santa Cruz, CA 95060, 408-454-2000
- Santa Cruz County Biotic **Resources** Map, 701 Ocean Street, Santa Cruz, CA 95060, 408-454-2000
- Santa Cruz County assessment **and** survey maps, 701 Ocean Street, Santa Cruz, CA 95060, 408-454-2002
- Soil Survey for Santa Cruz County, **USDA Soil Conservation Service**, 635 S. Sanborn Road, Salinas, CA 93901, 408-424-7377.
- Jack Meyer, Northwest Information Center, Foundation Center, Building 300, Sonoma State University, Rohnert Park, CA 94928, 707-664-2494.
- Patrick Orozco, local tribal group, 110 Dick Phelps Road, Watsonville, CA 95076, 408-728-8471.
- Topographic Maps, by U.S. Geological Survey, Box 25286, Federal Center, Bldg. 810, Denver, CO, 80225, 303-236-7477.
- Evans, J.O. and Patric, J.H., 1983, Harvest Trees, Reap Water: Journal of Soil and Water Conservation, Volume 38, pp. 390-392.
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- Hess, S., 1984, Timber Harvesting and Flooding: Journal of Soil and Water Conservation, Volume 23, pp. 115-117.
- Rice, R.M., Tilley, F.B., and Datzman, P.A., 1979, A watershed's response to logging and roads: South Fork Caspar Creek California, 1967-1976: USFS Pacific Southwest Forest and Range Experiment Station, General Technical Bulletin, PSW-146.
- Rothacher, J., 1973, Does harvest in west slope Douglas fir increase peak flow in small forest stream?: USFS Pacific Southwest Forest and Range Experiment Station, General Technical Report PNW-163, 13 pages.
- Sendeck, K.H., Rice, **R.M.**, and Thomas, R.B., 1990, Logging Effectson Streamflow: Storm runoff at Caspar Creek in Northwestern California: Water Resources Research, Volume 26, Number 7. A large portion
- Wright, K.A., Sendeck, K.H., Rice, R.M., and Thomas, R.B., 1990, Logging Effects on Streamflow: Storm runoff at Caspar Creek in Northwestern California: Water Resources Research, Volume 26, Number 7, pp. 1657-1667.
- Ziemer, R.R., 1981, Storm flow response to road building and partial cutting in small streams on northern California: Water Resources Research, Volume 17, pp. 907-917.
- John Pisturino, Ranch Manager, 84 Heck Pass Rd., Watsonville, CA 95076, 408-722-1838.
- Randolph Repass, adjacent landowner, 500 Westridge Dr., Watsonville, CA 95076, 408-499-2979.

STATE OF CALIFORNIA
BOARD OF FORESTRY
CUMULATIVE IMPACT ASSESSMENT

0589

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

Yes.

Past, present, and reasonably, foreseeable, probable, future projects include timber harvesting, residential development, and agricultural production. The general area of the THP and surrounding woodlands was logged heavily, mostly clearcut, around the turn of the century and left to regenerate naturally.

Timber was harvested a second time by the selective system, with tractor yarding during the 1960s. No adverse environmental effects remain from that earlier harvest, with the exception of some maintenance or replacing of some watercourse crossings as mitigated in this THP. The trees have grown, new ones have come in, and crown closure has returned. The stand is now in a somewhat unevenaged stand condition, 2nd is ready for another similar harvest to further trend towards a true unevenage condition.

There is one THP in this watershed which has been conducted in the last ten years. That THP covered all timberland on the D & D Ranch (THP# 1-93-461 SCR). The THP expired before timber operations were complete, thus the reason for this proposed THP. The expired THP covered 137 acres, of which approximately 62 acres were harvested in 1996. The remaining acreage is proposed for harvesting under this THP. The 62 acres harvested in 1996 was harvested using ground-based equipment, and longlined timber from steep slopes.

mitigations are incorporated into THPs during the review process.
The main land use in this watershed is agricultural. A large portion of the land owned by the D & D Ranch is for cattle grazing. The remaining areas in the gentler portions downslope from the harvest areas are used for agricultural purposes, such as crops. Much of the land in the watershed assessment area is used for the growing of crops, such as lettuce and berries. Many of the blue line streams shown on the topographic map in the gentler sloped areas run through agricultural fields and may or may not be impacted by adjacent agricultural uses.

There are no harvests planned in the immediate future which I am aware of, although timber harvesting is a possible foreseeable project within the watershed assessment area. Residential development and agricultural uses are expected to continue at the same rate as in the past.

The property owners to the east of the D & D Ranch, Walsh-Fletcher Enterprises, are currently involved in harvesting timber on their property. They share a common property line with the D & D Ranch. In 1992-93, they harvested a portion of their property under 1-92-156 SCL. This THP was not considered as a past project because it is located outside of the watershed assessment area. A small portion of the proposed harvest on the D & D Ranch is located in the same watershed as THP# 1-92-156 SCL (Bodfish Creek watershed) but this watershed was not included in the watershed assessment area because the assessment area would then be well over 10,000 acres and would tend to dwarf possible impacts from the proposed D & D Ranch THP.

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

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EXHIBIT

H4

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Yes.

Many of the ranch roads on the property are located in poor areas, such as near watercourses, and have no erosion control structures on them. All roads used for THP# 1-93-461 SCR have had rolling dips or waterbars installed to control runoff. Watercourse crossings were improved or upgraded. The portion of the D & D Ranch proposed for harvesting needs erosion control structures to be installed. In some areas roads are outsloped and show little to no erosion problems. Three watercourse crossings will be improved or replaced under this THP.

Cattle grazing has been a minor impact to watercourses by walking in the watercourses, destabilizing small banks and exposing soil adjacent to the watercourses. For the most part, cattle stay on hilly grassland areas near watering troughs and ponds found throughout the property.

3. Will the 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?

1. Watershed: No, after mitigations.

Sediment Effects: Increased sediment in water carried downstream from timber harvest or other activities could have a detrimental effect on aquatic species. Increased sediment loads in the water would also reduce the visual quality of the water and effect fish populations. This THP in conjunction with other THPs in the watershed could combine to produce unacceptable levels of sediment in the water. Many recommendations and mitigations are incorporated into THPs during the review process to minimize impacts, such as slashing of skid trails to reduce and/or eliminate sediment movement into watercourses, improving the overall effect. Cable yarding is commonly used on the steeper slopes and drainages, reducing the impact to soil and water quality. This D & D Ranch THP was designed to utilize existing roads only, and to mitigate old roads near watercourses thereby retaining the buffer strip qualities of the vegetation and duff layer. Thus any sediment from roads or skid trails will be deposited in the vegetation or trapped in flatter areas and not transported to watercourses. These measures combined with the installation of drainage and erosion control structures which meet or exceed the minimum requirements will result in no significant additions to sediment levels in the watercourses. It is expected that due to mitigations written into this plan that overall sediment movement will be reduced.

Water Temperature Effects: The combined timber harvests could result in reduced vegetation along main watercourses and their tributaries which could result in more direct sunlight reaching the watercourse, increasing water temperature which could be detrimental to aquatic wildlife. There are several mitigating circumstances, however, which will prevent this from happening. As with the other THPs, this proposed THP will remove less than 50% of the overstory conifer canopy covering the ground and adjacent waters. Virtually all hardwoods and other vegetation shading the waters will be retained, very similar to preharvest conditions. Crown closure will return to preharvest levels within a few years, so any negligible increase in solar exposure will be short term. No significant cumulative impacts to water temperature are foreseen.

D & D Ranch THP Addendum
January 25, 1997

0591

Organic Debris: Timber harvest activities may contribute organic debris to watercourses within the watershed. Some large, woody debris exists in the watercourses, particularly in major creeks within the watershed. This is primarily from trees that have been undermined from the flow of the streams, exposing the roots, and causing the trees to fall. California Forest Practice rules prohibit deposition of organic debris in amounts that would be deleterious to the beneficial uses of water. The rules also require that organic materials accidentally deposited (for example, a bucked log rolling downslope into a watercourse) be removed immediately. Compliance with the rules during timber harvest activities will ensure there is no significant cumulative impacts from the addition of organic debris.

Chemical Contamination: Possible sources of chemical contamination would be from oils or fuels from logging equipment or other materials transported over public roads, spillage of dust abatement materials into watercourses, of contamination by pesticides or herbicides. Activities that could combine to cause significant cumulative impacts would be from timber management activities, transport of hazardous materials on public roads, and domestic or agricultural use of pesticides and/or herbicides. The landowner and the RPF have no control over activities outside of the property lines by others. However, we do have control over what goes on within the D & D Ranch property boundaries. Equipment servicing within this THP will be done in such a way that petroleum products are contained and disposed of off site. There are no plans to use any materials other than water to control dust, so there is no possibility of contamination of this type. There are no plans to use herbicides or pesticides on the property in the foreseeable future, so there is no risk of contamination of this type. With these constraints on land management activities, this THP will not contribute any chemical contaminants that would result in significant cumulative impacts of chemical contaminants.

Peak Flow: The reduction of vegetative cover, and the opening of roads and skid trails, has shown in watershed studies to have little effect in peak flow from timber harvest areas which have been selectively harvested. This is supported by research by Evans and Patric (1983), Hess (1984), Hicks and others (1991), Rice and others (1979), Rothacher (1973), Sendek and others (1990) Wright and others (1990), and Ziemer (1981) who have shown that in rain-dominated hydrologic environments, logging or forest road construction is unlikely to adversely change the flow regime of a stream. No conclusive evidence exists in the scientific literature that harvesting and road building (even though no road building is proposed in this plan) can increase peak flows in areas that receive almost all of their precipitation in the form of rain. On the South Fork of Caspar Creek, where selective tractor logging removed 65% of the stand volume, researchers found that only the very small storm volumes or storm peaks were increased after road building and logging. Storm volumes and peaks of large storms (occurring less frequently than eight times a year) were not significantly increased by either roads or logging even though over 15 percent of the watershed was compacted in roads, skid trails, and landings (Wright, et.al. 1990).

Careful attention to the installation and maintenance of erosion control structures (waterbars and rolling dips on roads and skid trails) along with the retention of as much understory and ground cover vegetation as possible will combine to spread and breakup water flows and allow more filtration. Also, it should be noted that redwood clumps will be thinned, not removed. The redwood stumps will resprout forming new trees which will use water more and more as they grow larger. It is expected, as it has already been demonstrated that crown closure returns within a few years, that understory vegetation will grow back to closure and open areas of disturbed soil, such as roads and skid trails,

81

EXHIBIT H

22 61

0592

will soon be covered with leaves and needles. These natural effects will break up rainfall impacts, spread and hold surface water, and promote infiltration. With these mitigating measures and effects, it is not anticipated that there will be a significant increase in peak flow.

Overall Water Production Increase: The reduction of total biomass and the ground disturbance from a timber harvest may result in a very slight increase in water yield. It must be kept in mind that potential adverse effects such as sedimentation, water temperature increase, and peak flow increase will be mitigated as discussed above, so high quality water at the optimum seasonal timing will be produced. It is also important to note that, absence of further vegetative management, those slight gains in water yield would be short term and would be lost as vegetation fills back in.

Watercourse Condition

Only Class 3 watercourses exist within the plan area. These watercourses receive runoff during storms then dry up soon after storms have passed. Evaluation of conditions of stream channels on the project area are as follows:

Gravel imbedded: This has occurred in many of the watercourses on the D & D Ranch because of the shaly nature of the soils which exist on a large portion of the ranch.

Pools filled: Pools are generally absent from these watercourses, mainly because they are located on steep gradients.

Aggrading: Aggrading has not been observed on many of the Class 3 watercourses because of their steep gradient which tends to carry sediments further downslope. In areas where the watercourse channel becomes gentle to flat, aggrading is occurring to a greater degree. control measures as planned and required by the Forest Practice B

Bank Cutting: Minor bank cutting has occurred in a few locations along some of the Class 3 watercourses. Where a watercourse makes a severe turn, bank cutting has been observed.

Bank Mass Wasting: No bank mass wasting has been observed entering directly into a watercourse within the harvest areas.

Downcutting: Downcutting is occurring in the downslope Class 3 watercourses mainly because past ranch activities filled in the channel in some locations. These watercourses are in the process of downcutting to their original channels.

Scouring: Very little scouring was observed in watercourses in the harvest area. There were no signs of large flow events or debris torrents which would strip streamside vegetation and carry sediments further downstream.

Organic Debris: A moderate amount of organic debris was found in the Class 3 watercourses. This organic debris was mostly in the form of trees or other large debris which has fallen across the watercourse. Other watercourses have varying amounts of organic debris but mostly smaller debris such as small branches, leaves, and needles.

Stream-side vegetation: Many of the watercourses which run out of the property to the east have a moderate to dense layer of canopy covering the waters and adjacent stream-side areas. Class 3 watercourses on the west side of the main ridge generally run

through brush fields, periodically running through areas with hardwood or conifer cover.

Recent Floods: There is no sign of recent flooding within the harvest areas,

2. Soil Productivity: No, after mitigations.

Timber harvest, long term timber management, and cattle grazing are the only activities planned for this area. Impacts to soil productivity will thus be confined to the timber harvest and management practices on site. The primary factors influencing soil productivity include:

Organic matter loss: Organic matter on the surface and in the "A" soil horizon can be displaced by road construction, skidding, and site preparation. The material can be lost from the site by burning or erosion. It is expected in this THP that there will be some displacement of organic material through skidding activity. All roads to be used for this harvest are in place and there is little effect anticipated through use of these roads. There will be no mechanical site preparation done on this site. There are no plans for burning and mitigation measures for erosion control will eliminate the possibility of material loss off site. Slash will be lopped and scattered which will contribute additional organic matter distributed over the site. It is anticipated that areas of exposed soil will be covered with natural depositions of organic matter within one or two seasons following the timber harvest. Timber harvest will result in no permanent loss of organic matter.

Surface soil loss: There is no new road construction planned, so there will be little soils displacement as might result from road and landing cuts and fills. The majority of the harvest area is located on gentle topography and not prone to severe erosion. Erosion control measures as planned and required by the Forest Practice Rules will control any potential surface soil loss. No adverse impact is anticipated, thus there is no potential for these activities to combine with others to result in cumulative adverse impacts.

Soil compaction: Soil compaction is expected in roads, landings, and skid trails. Compaction generally occurs in the first few trips of skidding or hauling equipment over the ground and the compaction from subsequent trips is negligible. The entire transportation system is in place from earlier harvesting and ranch activities and will be used again for this THP. Skidding and hauling will not take place in wet conditions with saturated soils. There will be negligible change to existing conditions from this harvest, so there will be no significant impacts which could combine with others to create significant cumulative impacts.

Growing space loss: Growing space is lost through dedication of ground permanently to other uses such as roads, landings, etc. For this harvest, there are no new roads proposed and landings are located in brushy areas or areas of grassland. This project will not create significant loss of growing space and thus will not be able to combine with other projects to have a significant cumulative negative impact on growing space.

3. Biological Resources: No, after mitigations.

1. The presence of rare, threatened, or endangered species has been dealt with thoroughly in Section III of this THP.

This will be a selective harvest, which should not significantly alter the stand characteristics and habitat for wildlife and plants. The redwood on site is growing in clumps, and the clumps will be thinned, not removed.

a) Snags/dens/nest trees: Very few snags were encountered in the THP area. Snags encountered during tree marking have been retained, as well as den and nest trees.

b) Downed large woody debris: There is now present a good inventory of downed woody debris on site. There will be some disturbance of logs in place from skidding operations, but that material will not be removed from the site. In addition, harvest practices tend to develop more woody debris to be left in place. While there may be some removal of damaged and knocked down hardwoods, some of the pieces as well as some cull logs will be left on site. The amount of this material to be left will be tempered with considerations for hazardous fuel loading and fire danger conditions, along with occupancy of the site which may be detrimental for natural regeneration. The key issue here is for the harvest to maintain the diversity and habitat conditions on the site while managing the stands and removing commercially valuable material.

c) Multi-story canopy: The beginnings of a multi-storied stand have begun as a result of past harvests. This harvest will create another age class and move the stand towards unevenaged management. The long range goal of the property owner is to manage for timber and other resources using this silvicultural method which will maintain and enhance the multi-story canopy conditions.

d) Road Density: All roads to be used for this harvest are in place from past harvesting which occurred on this portion of the ranch. Nearby harvests on the ranch have similar conditions of roads in place from past harvesting operations, so there is no significant trend in the area toward a greater road density.

e) Hardwood Cover: There is a small component of hardwood present both in the stands to be harvested, and on the Ranch and surrounding property as a whole. Timber harvests and fuelwood harvests will not significantly deplete the hardwood inventory as there is no concentrated effort to remove hardwoods in significant amounts. There are now and will remain more than adequate amounts of hardwood cover for wildlife.

f) Late Seral Forest Characteristics: No late seral forest stands are present in the THP area, as defined in 14 CCR 895.1. The stands on the D & D Ranch are being managed to retain and create a multi-storied stand configuration and to retain large downed woody material. Openings in the crown canopy usually fill in with two to three years, so those characteristics favorable to many wildlife species will not be altered over the long term, and will not combine with other projects to result in a decline in habitat quality.

g) Late Seral Habitat Continuity: In this THP area and immediate surrounding area, there are no late seral forests. Late successional stands are not proposed for harvest in this THP, nor will any nearby late succession stands be affected, so there will be no long term significant adverse effect as defined in 14 CCR 895.1 on fish, wildlife, or listed species known to be primarily associated with late successional stands.

h) Special Habitat Elements: There are no known special habitat elements in this project area that set it apart from the surrounding forested areas. There is no anticipation that any key habitat elements will be reduced or eliminated by this project or in combination with other projects to cause a significant adverse impact.

4. Recreational Resources: No reasonably potential significant effects.

0595

All of the land surrounding this harvest area is private property and thus is unavailable to the general public for recreation.

Based on this information, it is not expected that this timber harvest plan will combine with other activities or projects to cause a significant cumulative impact to recreational resources.

5. Visual Resources: No reasonably potential significant effects.

The selective nature of the harvest will limit the adverse visual effects from any public road. The public will most likely be viewing the plan area from a moving vehicle on Highway 152 or Highway 1. Highway 152 has only limited views of the harvest area and is at such a distance that selective harvesting cannot be discerned. Highway 1 is outside of the assessment area because it is over 6 miles from the harvest area. The timbered skyline is visible from Highway 1, but again it is at such a distance that selective harvesting cannot be discerned. The majority of the harvest area is not visible from any public road because the topography is such that the harvest areas are located on the back side of a ridge where no public roads offer views into the harvest area or are screened by other conifers or vegetation.

6. Vehicular Traffic: No reasonably potential significant effects.

THP# 1-93-461 SCR used the proposed haul route to haul timber during the 1996 season. No adverse effects to traffic occurred. All public roads to be used are at least one lane in either direction with each lane designated with a single or double yellow line.

	Yes, after mitigation	No, after mitigation	No reasonably, potential significant effects
1. Watershed		X	
2. Soil Productivity		X	
3. Biological		X	
4. Recreation			X
5. Visual			X
6. Traffic			X

Note

(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.

NOTE

Information concerning archeological sites **has** been removed from **this** THP, 1-97-027 **SCR**, 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 - Felton

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

PLAN ADDENDUM
JAN 25 1997

0597

ATTACHMENT 5 1

SECTION VI

ESTIMATED SURFACE SOIL EROSION HAZARD WORKSHEETS

WATERSHED ASSESSMENT AREA MAP

PROOF OF PUBLICATION

RED-LEGGED FROG DICHOTOMOUS KEY CHECKLIST

~~STANDARDIZED SLOPE FACTOR~~ SLOPE FACTOR

35 67

EXHIBIT 81

152: MAYMEN-MADONNA COMPLEX
144: LOMPICO-FELTON COMPLEX
100: APTOS LOAM

I. SOIL FACTORS

A. SOIL TEXTURE

	FINE	MEDIUM	COARSE	FACTOR RATING		
1. DETACHABILITY	LOW	MODERATE	HIGH	152	144	100
RATING	1-9	10-18	19-30	22	10	17
2. PERMEABILITY	SLOW	MODERATE	RAPID			
RATING	5-4	3-2	1	1	2	a

B. DEPTH TO RESTRICTIVE LAYER OR BEDROCK

	SHALLOW	MODERATE	DEEP			
	1'-19"	20'-39"	40'-60" (+)			
RATING	15-9	8-4	3-1	10	6	5

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

	LOW	MODERATE	HIGH				FACTOR RATING
	(-) 10-39%	40-70%	71-100%				
RATING	10-6	5-3	2-1	4	4	4	
SUB TOTAL							39 30 28

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	16	19	4

III. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE

	LOW	MODERATE	HIGH			
	0-40%	41-80%	81-100%			
RATING	15-8	7-4	3-1	5	5	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	15	15	15
TOTAL SUM OF FACTORS							73 69 52

EROSION HAZARD RATING

< 50	50-65	66-75	> 75			
LOW	MODERATE	HIGH	EXTREME			
THE DETERMINATION IS						
				H	H	M

3868

ESTIMATED SURFACE SOIL EROSION HAZARD D & D RANCH TIMBER HARVEST PLAN

PLAN ADDENDUM

JAN 25 1997

0599

ATTACHMENT 5

118: BONNY DOON - ROCK OUTCROP COMPLEX

130: ELDER SANDY LOAM

147: LOS OSOS LOAM

I SOIL FACTORS

A SOIL TEXTURE	FINE	MEDIUM	COARSE	FACTOR RATING		
1. DETACHABILITY	LOW	MODERATE	HIGH	118	130	147
RATING	1-9	10-18	19-30	17	23	17
2. PERMEABILITY	SLOW	MODERATE	RAPID			
RATING	5-4	3-2	1	2	1	2

B DEPTH TO RESTRICTIVE LAYER OR BEDROCK

	SHALLOW	MODERATE	DEEP			
	1"-19"	20"-39"	40"-60" (+)			
RATING	15-9	8-4	3-1	7	1	5

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

	LOW	MODERATE	HIGH				
	(-) 10-39%	40-70%	71-100%				FACTOR RATING
RATING	10-6	5-3	2-1	4	5	5	

SUB TOTAL 30 30 5

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	25	1

III PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE

	LOW	MODERATE	HIGH		
	0-40%	41-80%	81-100%		
RATING	15-8	7-4	3-1	5	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	15	15

TOTAL SUM OF FACTORS 75 51 5

EROSION HAZARD RATING

< 50	50-65	66-75	> 75		
LOW	MODERATE	HIGH	EXTREME		
THE DETERMINATION IS				H	M

3769

81
EXHIBIT H

ESTIMATED SURFACE SOIL
EROSION HAZARD

D & D RANCH TIMBER HARVEST PLAN

0600 ATTACHMENT 5

102: APTOS LOAM
127: DIABLO CLAY
149: MADONNA LOAM

I. SOIL FACTORS

A. SOIL TEXTURE

	FINE	MEDIUM	COARSE	FACTOR RATING		
1. DETACHABILITY	LOW	MODERATE	HIGH	102	127	149
RATING	1-9	10-18	19-30	17	5	17
2. PERMEABILITY	SLOW	MODERATE	RAPID			
RATING	5-4	3-2	1	2	4	2

B. DEPTH TO RESTRICTIVE LAYER OR BEDROCK

	SHALLOW	MODERATE	DEEP			
	1"-19"	20"-39"	40"-60" (+)			
RATING	15-9	8-4	3-1	5	1	7

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

	LOW	MODERATE	HIGH				FACTOR RATING
	(-) 10-39%	40-70%	71-100%				
RATING	10-6	5-3	2-1	5	5	5	
SUB TOTAL							29 15 3

III. 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	20	5 5

III. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE

	LOW	MODERATE	HIGH		
	0-40%	41-80%	81-100%		
RATING	15-8	7-4	3-1	5	5 5

IV. TWO-YEAR, ONE HOUR RAINFALL INTENSITY (Hundredths Inch)

	LOW	MODERATE	HIGH	EXTREME		
	(-) 30-39	40-59	60-69	70-100		
RATING	1-3	4-7	8-11	12-15	15	15 1
TOTAL SUM OF FACTORS					69	40 5

EROSION HAZARD RATING

< 50	50-65	66-75	> 75		
LOW	MODERATE	HIGH	EXTREME		
THE DETERMINATION IS				4	4 1

JAN 25 1997

ATTACHMENT 5

115: BEN LOMOND-FELTON COMPLEX

101: APTOS LOAM

169: SANTA LUCIA SHALY CLAY LOAM

I. SOIL FACTORS

A. SOIL TEXTURE

1. DETACHABILITY

RATING

FINE

LOW

1-9

MEDIUM

MODERATE

10-18

COARSE

HIGH

19-30

FACTOR
RATING

115 101 169

23 17 8

2. PERMEABILITY

RATING

SLOW

5-4

MODERATE

3-2

RAPID

1

1 2 4

3. DEPTH TO RESTRICTIVE LAYER OR BEDROCK

RATING

SHALLOW

1'-19"

15-9

MODERATE

20'-39"

8-4

DEEP

40'-60" (+)

3-1

3 5 4

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

RATING

LOW

(-) 10-39%

10-6

MODERATE

40-70%

5-3

HIGH

71-100%

2-1

5 5 5

FACTOR
RATING

SUB TOTAL 32 29

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

20 10

III. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE

RATING

LOW

0-40%

15-8

MODERATE

41-80%

7-4

HIGH

81-100%

3-1

5 5

IV. TWO-YEAR, ONE HOUR RAINFALL INTENSITY (Hundredths Inch)

RATING

LOW

(-) 30-39

1-3

MODERATE

40-59

4-7

HIGH

60-69

8-11

EXTREME

70-80

12-15

15 15

TOTAL SUM OF FACTORS 73 59

EROSION HAZARD RATING

< 50	50-65	66-75	> 75
LOW	MODERATE	HIGH	EXTREME
THE DETERMINATION IS			
H M			

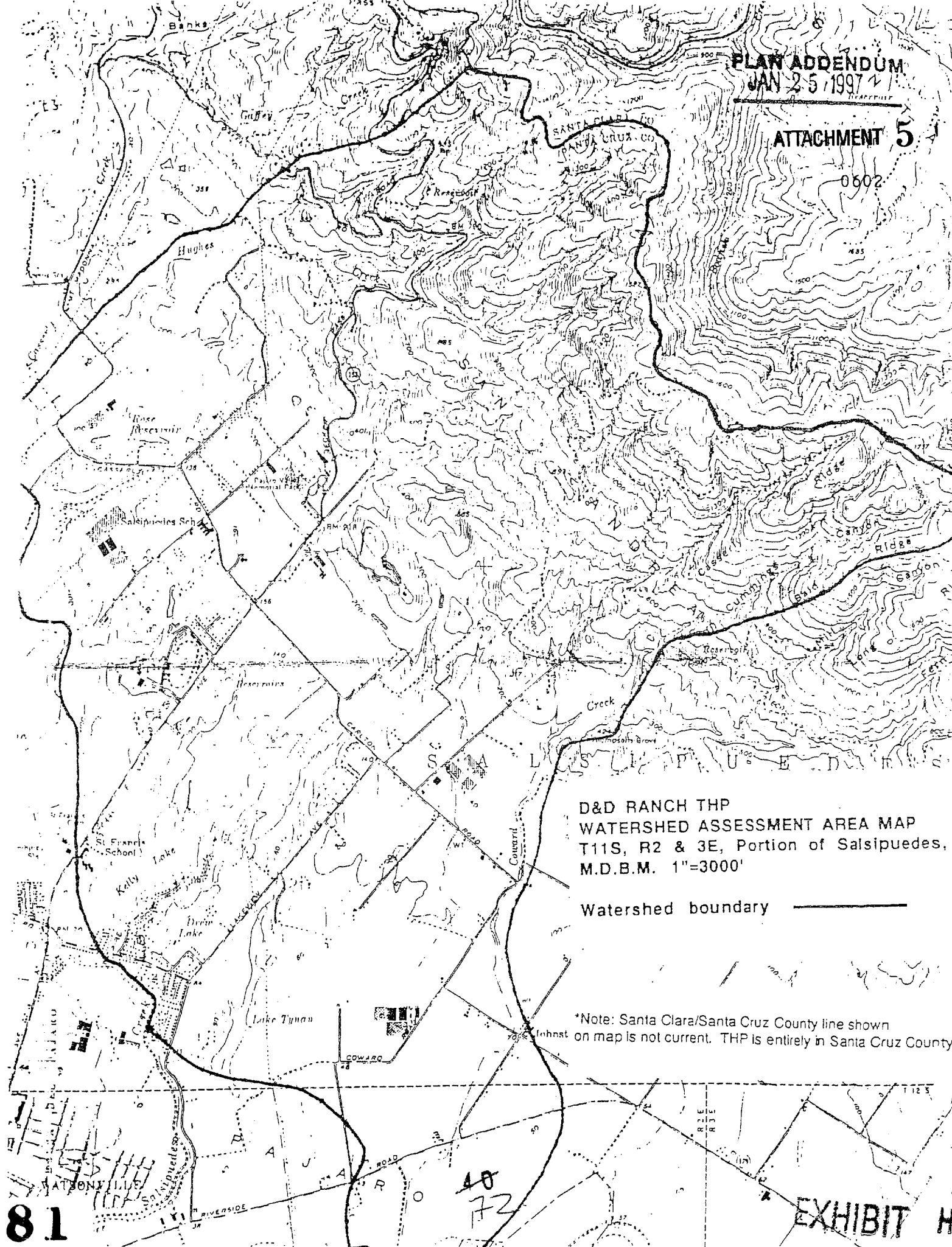
38 71

81
EXHIBIT H-1

PLAN ADDENDUM
JAN 25 1997

ATTACHMENT 5

0602



D&D RANCH THP
WATERSHED ASSESSMENT AREA MAP
T11S, R2 & 3E, Portion of Salsipuedes,
M.D.B.M. 1"=3000'

Watershed boundary —————

*Note: Santa Clara/Santa Cruz County line shown
on map is not current. THP is entirely in Santa Cruz County.

8.1

EXHIBIT H

Proof of Publication

(2015.5 C.C.P.)

ATTACHMENT 5

NOTICE OF PREPARATION OF THE
ROY WEBSTER

STATE OF CALIFORNIA }
COUNTY OF SANTA CRUZ } SS

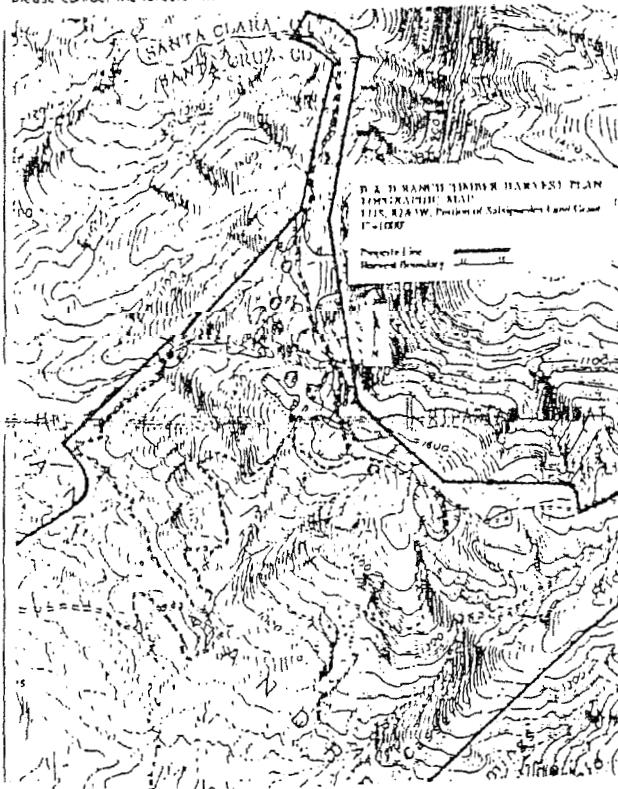
NOTICE OF PREPARATION OF THP
AND DOMESTIC WATER SUPPLY INQUIRY

Plan submitted by the Timber and Timberland Owner: D & D Ranch. Plan prepared by:
P.O. Drawer F-2, 95018 Location of the plan: Santa Cruz County, T11S, R7
& 3E. Portion of Salspuedes Land Grant, 15 miles east of HWY 152. Nearest perennial
stream: Harvest area is upslope from Hughes Creek and unnamed tributary to Colosse
Lake. Approximate THP size: 75 acres. Silvicultural method: Selection, 9123(a). Estimated
date of Director's determination: March 15, 1997 This plan can be reviewed or a copy
obtained (for a fee) from:

California Department of Forestry P.O. Drawer F-2 Fellon, CA 95018	California Department of Forestry P.O. Box 670 Santa Rosa, CA 95402
--	---

Questions or comments should be directed to CDF (see above).

There are no known overhead electric powerlines traversing the THP area. If you have a domestic water uptake on Hughes Creek within 1000 feet downstream of the harvest area, please contact the forester within 10 days of this publication.



January 23

(19214)

I, the undersigned say,

That I am over the age of eighteen and not interested in the above entitled matter; that I am now, and, at all time embraced in the publication herein mentioned, was, the principal clerk of the printer of the Santa Cruz County Sentinel, a daily newspaper printed, published and circulated in the said county and adjudged a newspaper of general circulation by the Superior Court of the County of Santa Cruz, State of California, under proceeding No. 25,794; that the advertisement, of which the annexed is a true printed copy, was published in the above named newspaper on the following dates, to-wit:

JANUARY 23, 1997

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

Dated at Santa Cruz, California, JANUARY 23, 1997

seeps, springs, bogs, and areas of saturated ground; wetlands forms,
Signature *[Handwritten Signature]*

EXHIBIT 81

47 73

CIRCLE EACH CHOICE YOU MADE AND APPEND TO THE THP
USE OF THIS CHECKLIST ACKNOWLEDGES THAT THE ENTIRE SANTA CRUZ MOUNTAINS
ARE WITHIN RANGE OF THE RED LEGGED FROG (HEREINAFTER REFERRED TO AS "FROG")

0604

		YES	NO
II.	Have the frogs been observed in the river basin in which the THP area is found?	Go to III	End of Assessment
III. What is status of each frog observation in the river basin? (Fill out table, then go to IV)			
PROXIMITY TO THE THP		6.8 MILES SOUTHWEST	
DATE OF OBSERVATION		1990	
AGE OF INDIVIDUAL OBSERVED (Egg, Tadpole, Juvenile, Adult)		UNKNOWN	
OTHER NOTES IN EAST BRANCH HANSEN SLOUGH 2 MI WEST OF WATSONVILLE AT 0' ELEVATION.			
IV.	Have frogs been observed in the THP area or in the area immediately downstream of the THP?	Go to VII	Go to V
V.	Has at least one (1) frog been observed within reasonable movement distance of the THP area via riparian corridors?	Go to VII	Go to VI
VI.	Has at least one (1) frog been observed within reasonable movement distance of the THP area via upland habitats?	Go to VII	End of Assessment
VII. Evaluate the THP area and areas in the vicinity of the THP for the presence of the habitat types. (Fill out table, then go to VIII).			
AQUATIC HABITATS (creeks, streams, ponds, marshes, and deep pools and backwaters)			
RIPARIAN HABITAT (seeps, springs, bogs, and areas of saturated ground; includes ferns, horsetails, sedges and moisture loving trees - maples, alders, willows, etc.) PLAN INFORMATION			
UPLAND HABITAT			
SUITABLE BREEDING HABITAT			
OTHER			
VIII.	Are there aquatic habitats within or immediately downstream of the THP area that may be affected by the THP activities?	Identify Mitigations from VIII A' - Then Go to IX	Go to IX
IX.	Are there any riparian habitats within the THP area that may be affected by timber harvest activities?	Identify Mitigations from IX A' in THP - Then Go to X	Go to X
X.	Are there any upland habitats within the THP area that may be affected by timber harvest activities?	Identify Mitigations from X A' in THP	End of Assessment

81

42 74

EXHIBIT H

NOTICE OF INTENT TO HARVEST TIMBER / DOMESTIC WATER SUPPLY INQUIRY

0605

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. This Notice with map is being provided prior to submission of the THP so that the plan submitter may be advised domestic water supplies taken from the watercourses within 1000 feet downslope of the proposed harvest. Please send such information to the forester listed at the bottom of the page within 10 days of the postmarked date on this Notice and Inquiry. 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 that the Department receives your comments please read the following:

The plan or amendment will be submitted to the Department on: January 30, 1997

The earliest possible date the Department may approve the plan or amendment is: ~~XXXXXXXXXX~~ MARCH 21, 1997

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.

OBTAINING INFORMATION / PROVIDING INPUT

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

California Department of Forestry
Forest Practice Program
135 Ridgway Avenue (PO Box 670)
Santa Rosa, CA 95402
(707) ~~556-7273~~ 576-2959

California Department of Forestry
Santa Cruz/San Mateo Ranger Unit
6059 Highway 9 (P.O. Drawer F-2)
Felton, CA 95018
(408) 335-6740 (415) 592-2726

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: \$5.00.)

PLAN INFORMATION

RECEIVED

FEB 04 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

1. Timberland Owner where the timber operation is to occur: D & D Ranch
2. Registered Professional Forester who prepared the plan or amendment: Roy Webster
3. Name of the individual who submitted the plan or amendment: D & D Ranch
4. Location of the proposed timber operation (county, legal description, & approximate distance of the timber operation from the nearest community or well-known landmark): Santa Cruz County, T11S, R2 & 3E, Portion of Salspuedes Land Grant, approximately 1.5 miles due east of Highway 152 on the Santa Cruz / Santa Clara County line.
5. The name of and distance from the nearest perennial stream and major watercourse flowing through or downstream from the timber operation: Timber harvest area is adjacent to an unnamed tributary to Hughes Creek, which flows into College Lake. Other portions of the harvest area are located upstream from unnamed tributaries which flow directly into College Lake.
6. Acres proposed to be harvested: 75
7. The regeneration methods and/or intermediate treatments to be used: Single tree selection.
8. Are there any known overhead electric powerlines traversing the THP area? No

A map is attached to help in locating where the proposed timber operation is to occur. If you originally received this Notice Intent to Harvest Timber by mail, you can expect the Department to mail you the Timber Harvest Plan or amendment number, the date of receipt of the plan by the Department, the filing date of the plan, and the date of any public hearing. You should check with the Department for the date of the Review Team meeting. If you would like to contact the Registered Professional Forester who prepared the plan or amendment, please call: Roy Webster, 132 Rancho Del Mar, Aptos, CA 95003 (408) 688-8787.

75

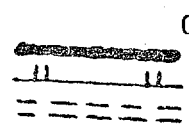
EXHIBIT H-81

SANTA CLARA CO
SANTA CRUZ CO

ATTACHMENT 5

D & D RANCH TIMBER HARVEST PLAN
GENERAL LOCATION MAP
T11S, R 2&3 E, Portion of the Salsipuedes Land Grant
1"=1000'

Property Boundary
Harvest Boundary
Existing, seasonal road



D&D RANCH TIMBER HARVEST PLAN
LANDOWNERS WITHIN 300 FEET

0607

Patricia Davidson	223 Peckham Road	Watsonville, CA 95076
Jimmy Gandrup	302 Peckham Road	Watsonville, CA 95076
Linda Gandrup-Arietta	309 Peckham Road	Watsonville, CA 95076
Mary Gandrup	248 Peckham Road	Watsonville, CA 95076
Robert Hurley	221 Peckham Road	Watsonville, CA 95076
E&J Kelly	105 Logan Street	Watsonville, CA 95076
Stewart and Alice Kett	110 Carlton Avenue	Watsonville, CA 95076
Robert and Janet Mize	900 Fallow Field Lane	Watsonville, CA 95076
Richard and Margaret Muir	911 Fallow Field Lane	Watsonville, CA 95076
Pajaro Valley Unified School District	165 Blackburn	Watsonville, CA 95076
St. Francis Preparatory	2400 East Lake Avenue	Watsonville, CA 95076
Steven and Marguerite Remde	69 Cutter Drive	Watsonville, CA 95076
Randolph Repass	500 Westridge Drive	Watsonville, CA 95076
Bruce Richardson } Henry and Nancy Wempe)	910 Fallow Field Lane	Watsonville, CA 95076
Mark and Karen Sambrailo	90 Hecker Pass Road	Watsonville, CA 95076
Luke and Susan Scurich	P.O. Box 1170	Watsonville, CA 95076
Mr. Walt Symons	Board of Supervisors County of Santa Cruz 701 Ocean Street	Santa Cruz, CA 95060
Miguel Vasquez	138 Hecker Pass Road	Watsonville, CA 95076
Jay Vick	212 Peckham Road	Watsonville, CA 95076

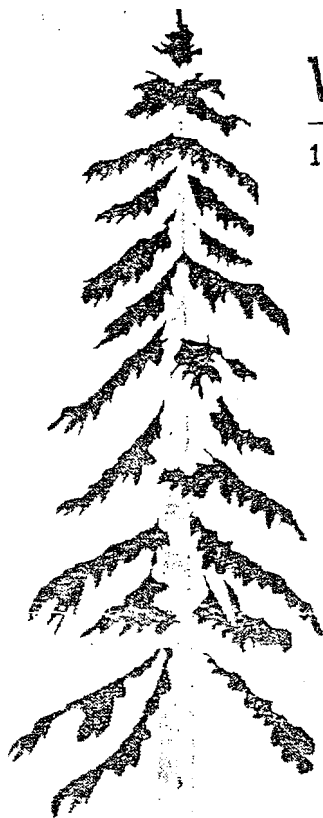
77

D&D Rsnch THP Landowners, continued

0608

Walsh-Fletcher Enterprises	28014 Quail Court	Carmel, CA 93923
Watsonville Water District	250 Main Street	Watsonville, CA 95076-5000
Charles and Paula Waugaman d o D. Lintz	P.O. Box 989	Watsonville, CA 95076
Gary & Kara Waugaman	450 Fallow Field Lane	Watsonville, CA 95076
Henry & Nancy Wempe	910 Fallow Field Lane	Watsonville, CA 95076

must establish in the THP equipment exclusion



Webster and Associates

UNIT, FG, WO
3-3-97
ATTACHMENT 5
PROFESSIONAL FORESTER

132 Rancho Del Mar · Aptos, California 95003 · Phone 408-688-8787 · Fax 408-688-30609

February 27, 1997

RECEIVED

California Dept. of Forestry
Resource Management
P.O. Box 670
Santa Rosa, CA 95402

MAR 03 1997
COAST AREA OFFICE
RESOURCE MANAGEMENT

Re: THP# 1-97-027 SCR, Lands of Pohl

Dear Resource Manager,

I would like to address the RPF Questions to be addressed prior to the PHI. The first question involves the winter operations area and how it can be designated on the ground because the boundary of the winter operations area is at 1400 feet. There are only two small pockets of redwoods located below the 1400 contour line which shall be harvested outside of the winter period. These are known to the RPF and shall be shown to the LTO during the Preoperational Meeting.

Roy Webster
RPF 81765

John Andersen
RPF #2503

Matt Bissell
Associate Forester

John Finlay
Associate Forester

Karen Palmer
Office Manager

The second question involves the DFG Biological Opinion for the coho salmon and recommendations for Class 3 watercourses. CDF implies that this THP has not met the recommendation 4.4.1 because I **did not** establish EEZs on all Class 3 watercourses. The recommendation states "The RPF must establish in the THP equipment exclusion zones (EEZ) with specific crossing locations, or establish specific operating procedures designed to avoid generation of sediment capable of being routed through the Class 3 watercourse to downstream Class 1 or 2 watercourses." The THP has established a number of mitigation measures to reduce or eliminate current erosion problems which have access to Class 3 watercourses. The THP has also been laid out to avoid watercourses (no watercourse crossings are proposed in the harvest area) and to improve watercourse crossings along the haul route outside of the harvest area.

The third question involves the EHR rating and the slopes used in the EHR assessment. Some slopes in the assessment are as high as 70% but THP items # 21 (b) and (c) are checked "no". This is because no slopes in the harvest area shall have equipment on them if they are over 50%. The past THP on the ranch had these items checked because some skid trails in the portion of the ranch harvested last year were located on slopes over 50%. Also some portions of the harvest area for this half of the plan were deleted. Some of these deleted areas contained skid trails on steep slopes.

The fourth question involves revising the statement discussing removal or stabilization of debris in Class 3 watercourses to include the statement "prior to the winter period or end of operations which ever comes first." This has been done on a revised page 7 of the THP.

PART OF PLAN

79

81
EXHIBIT H

the culverts. Therefore, two additional culverts will be installed along this insloped portion of the road. One culvert shall be installed upslope of the upper culvert, and the second culvert shall be installed between the two existing culverts. The new culverts shall be at least 18 inches in diameter and be placed at the same gradient as the inside ditch.

0610

At site "e" an existing seasonal road crosses a minor Class 3 watercourse which is normally in the form of a spring. The watercourse/spring drains across the road through an 8 inch pipe. This winter high flows were observed at this pipe and it was barely containing the flow. Therefore, the 8 inch culvert shall be replaced with a pipe at least 18 inches in diameter.

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

[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.

There are no Class 1 or 2 watercourses located within the harvest area. A number of Class 3 watercourses exist within the harvest area. Timber may be felled across these Class 3 watercourses where needed. Where feasible, timber will be marked to fall away from Class 3 watercourses. Any accidental deposition of soil into a Class 3 watercourse shall be removed immediately. Slash deposited in Class 3 watercourses shall be removed or stabilized prior to the end of operations or before the winter period, whichever occurs first.

There are three watercourse crossings along the haul route which shall be repaired or replaced:

Crossing "a": This is an existing crossing of a Class 3 watercourse. The pipe at this location is approximately 18 inches in diameter and is functional with the exception of needing a headwall. During the winter of 1996/97, approximately half of the flow was flowing over the top of the culvert because it was partially blocked with sediment and woody debris. A headwall constructed of concrete bags shall surround the inlet to the culvert. A trash rack shall also be installed approximately ten feet upstream from the inlet.

Crossing "b": This is an existing crossing of a Class 3 watercourse. The culvert at this crossing is rusted and bound to fail soon. The culvert supported a log truck during harvesting which occurred under THP# 1-93-461 SCR, but may not be able to by the time harvesting occurs under this proposed THP. The culvert shall be replaced by a CMP pipe at least 24 inches in diameter located at stream grade. A trash rack shall also be installed approximately ten feet upstream from the inlet.

Crossing "c": This is an existing crossing of a Class 3 watercourse located off of Highway 152 along the haul road (in the "bull pen"). The culvert at this crossing is functional but the fill over the inlet and outlet have failed during the 1996/97 winter season. Concrete bags shall be placed around the inlet and outlet to support fill and to keep the ends of the pipe free from obstructions.

At site "f" the existing seasonal road runs in the beginning of a Class 3 watercourse for approximately 250 feet. The road is in the watercourse roughly from the water trough to the top of the channel. This road shall be moved out of the channel by relocating the road approximately six feet further up the slope. The new road alignment shall join the existing road downslope from the water trough. The old road and channel shall be seeded and straw mulched prior to the winter period. The new road alignment shall be seeded. The Class 3 watercourse channel shall be directed back into its original channel immediately below the water trough.

The fifth question involves the mapping of **Class 3** watercourse crossings if they will be carrying water at the time of use of the crossing. There are no Class 3 watercourse crossings located within the harvest area, however, there are some existing crossings on the haul route. 14 CCR 1034 (x)(7) does not state whether such crossings need to be in the harvest area and it is difficult to discern whether these crossings will have water in them during their use. In any case, there are plans to map all the watercourse crossings after discussions during the PHI, except for one located in the "bull pen" portion of the ranch next to crossing "c". This crossing is an existing crossing with a culvert at least 48 inches in diameter which is working effectively. No mitigations are proposed. Because a small amount of water may be present at this crossing during hauling operations, it has been mapped on the attached General Location Map as a crossing. The other crossings will be added to the THP Map and submitted to CDF after it has past an inspection of all reviewing agencies at the Review Team Meeting.


The sixth question involves possible tractor operations on slopes greater than or equal to 50% and additional requirements if this is the case. This is not the case, all equipment will stay on slopes less than 50%.

The seventh question involves new rules requiring explanation and justification for operations on slopes $\geq 50\%$ above Class 1, 2, and 3 watercourses. As stated above, all operations shall be located on slopes $< 50\%$.

The eighth question involves any possible habitats for rare, threatened, endangered, or species of special concern associated with the harvest area. This has been discussed on pages 14 and 15 of the THP. In addition, Webster and Associates has recently bought the 1997 version of the Natural Diversity Database for the Santa Cruz County area after submittal of this plan. I checked the overlays today and found no such species on the new overlays.

If there are any other questions, please feel free to contact me.

Sincerely,



Roy Webster
RPF# 1765

cc: CDF, Felton

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MAR 03 1997

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MAR 03 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

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EXHIBIT H

**D & D RANCH TIMBER HARVEST PLAN
GENERAL LOCATION MAP**

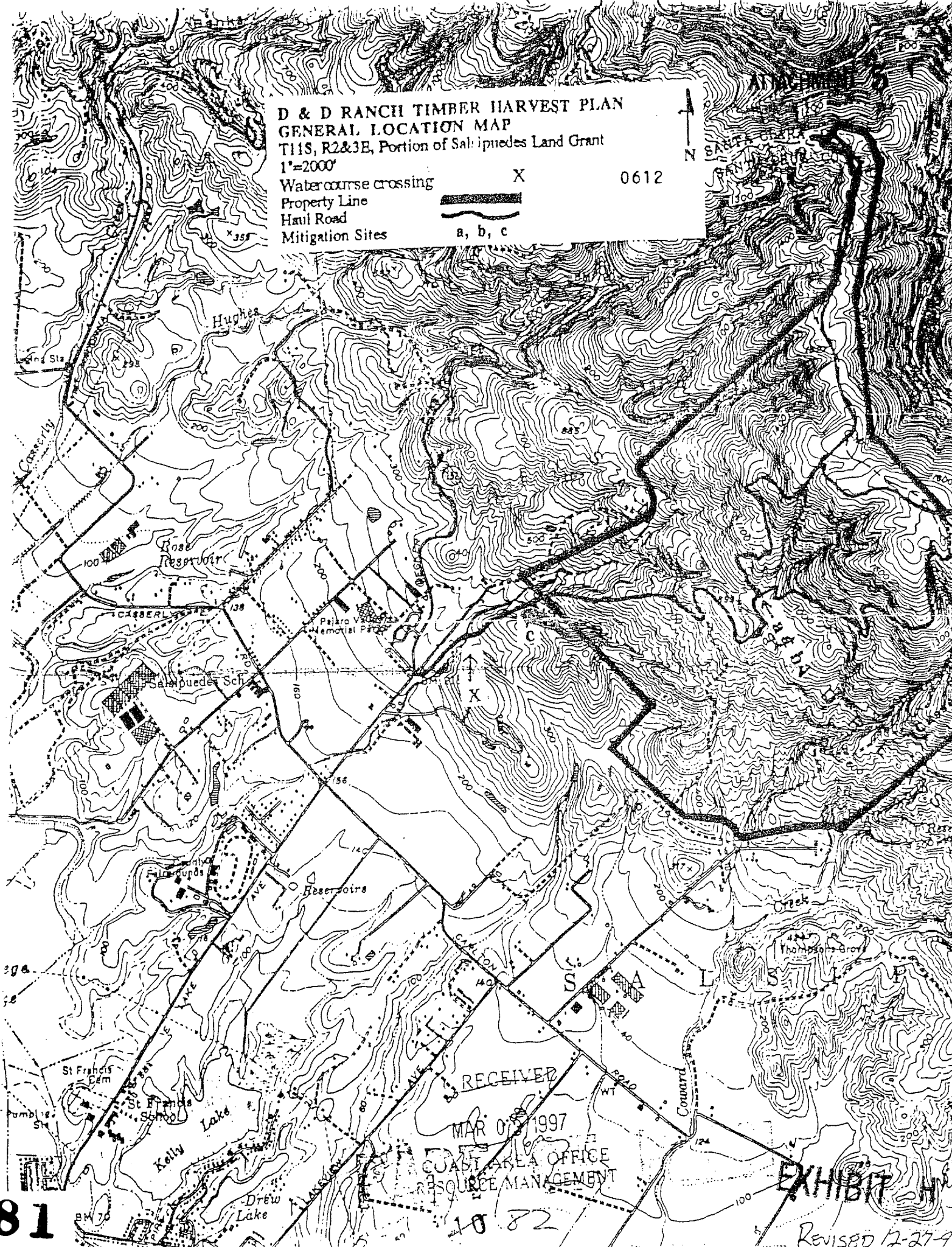
T11S, R2&3E, Portion of Salinas Land Grant
1"=2000'

Watercourse crossing
Property Line
Haul Road
Mitigation Sites

X

0612

a, b, c



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COASTAL AREA OFFICE
RESOURCE MANAGEMENT

EXHIBIT H

Revised 12-27-94

TIMBER HARVEST PLAN

ATTACHMENT 5

(FOR ADMINISTRATIVE USE ONLY)
(THP No. 1-93-461 SCR)
0613 (Date Recd OCT 28 1993 NOV 18 1993)
(Date Filed NOV 29 1993)
(Date Apprvd JAN 10 1994)

This Timber Harvest 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.

1. TIMBER OWNER(S): Name: D & D Ranch

Address: 101 Park Center Plaza, Suite 1300

City: San Jose State: CA Zip: 95113 Phone: (408) 998-2460

2. TIMBERLAND OWNER(S): Name: Same as the Timber Owners.

Address:

City: State: Zip: Phone:

3. TIMBER OPERATOR(S): Name: To be amended in.

Address: License#:

City: State: Zip: Phone:

4. PLAN SUBMITTER(S): Name: Same as #1

If the plan submitter is different from 1, 2, or 3 explain authority to submit plan:

5. Person to contact on-site who is responsible for the conduct of the operation:

Name: Roy Webster

Address: 136 Rancho Del Mar

City: Aptos State: CA Zip: 95003

Phone: (408) 688-8787

6. RPF preparing the THP: Name: Roy Webster

Address: 136 Rancho Del Mar

City: Aptos State: CA Zip: 95003

Registration #: 1765

Phone: (408) 688-8787

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OCT 28 1993

CDF STOCK NO. 7540-130-0063

RESOURCE MANAGEMENT RESOURCE MANAGEMENT

81
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Vol. 137 ac.
Loudon Creek & trib. to Colegio Lark

7. Expected commencement date of timber operations: Five days after approval date
8. Expected completion date of timber operations: Three years after Director's decision ^{1/1/17}
9. Forest products to be harvested: Sawlogs and fuelwood.
10. The timber operation is to be within: (check the appropriate boxes)

ATTACHMENT 5
0614

1. ☒ Coast Forest District 4. ☒ Southern subdistrict of the Coast Forest District
2. ☐ Northern Forest District 5. ☐ High-Use Subdistrict of Southern Forest District
3. ☐ Southern Forest District

11. Location of the timber operation by legal description:

Base and Meridian: ☒ Mount Diablo ☐ Humboldt ☐ San Bernadino

Section	Township	Range	Approximate Acreage	County	(Optional APN #.)
Salsipuedes	11S	2&3E	137	SCR	
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	137	_____	_____

Total acreage _____

NOTE: Additional sheets may be necessary.

12. ☐ Yes ☒ No Is a timberland conversion permit in effect? If yes, list the number and date of expiration:
13. ☐ Yes ☒ No Is there a THP 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 number:
14. ☒ Yes ☐ No Is any part of the plan within a special treatment area, Tahoe Regional Planning Agency jurisdiction, or a county which has special rules? If yes, identify the special area: Santa Cruz County

SILVICULTURE

15. Check the method or treatments which are to be applied, and provide any other information required by the rules in an addendum:

- 1 ☐ Clearcutting 2 ☐ Shelterwood, preparatory step 3 ☐ Shelterwood, seed step
- 4 ☐ Shelterwood, removal step 5 ☐ Seed tree, seed tree step
- 6 ☐ Seed tree, seed tree removal step
- 7 ☒ Selection - designate basal area stocking standards to be met: 75 sq. ft. as per 14 CCR 913.8 (a) Site III timberland
- 8 ☐ Commercial thinning - designate basal area stocking standards to be met:
- 9 ☐ Sanitation salvage - when will stocking be met:
- 10 ☐ Special Treatment Areas 11 ☐ Rehabilitation of understocked stands
- 12 ☐ Alternative prescription 13 ☐ Transition method

NOTE: Where the level of stocking is based on timberland site, timberland sites must be shown on the map.

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RESOURCE MANAGEMENT 2

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RESOURCE MANAGEMENT

16. a. ☐ Yes ☒ No Are any exceptions to the standard silvicultural methods or treatments permitted in the rules proposed for this plan? If yes, explain and justify the exception in an addendum.

ATTACHMENT 5

- b. ☐ Yes ☒ No Will artificial regeneration be required to restock the logged area?

17. ☐ Yes ☒ No Are broadleaf or optional species Proposed for management? 0615

18. ☐ Yes ☒ No Are broadleaf or optional species to be used to meet stocking standards?

If the answer to items 17 or 18 is yes, list the species and provide the information required by the rules:

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HARVESTING PRACTICES AND EROSION CONTROL

RESOURCE MANAGEMENT

19. Indicate the type of yarding system to be used in this plan:

1 ☒ Tractor, skidder, forwarder 2 ☐ Balloon, helicopter 3 ☐ Cable, ground-lead
4 ☐ Cable, high-lead 5 ☐ Cable, skyline 6 ☐ Animal
7 ☐ Other:

20. ☐ Yes ☒ No Will tractor constructed layouts be used?

21. ☒ Yes ☐ No Will tractors be used for directional tree pulling?

Check items 22 through 25 that apply to the use of tractors.

22. ☐ Yes ☒ No Operations on unstable soils or slide areas?
23. ☒ Yes ☐ No Operations on slopes over 65%
24. ☒ Yes ☐ No Operations on slopes over 50% with high or extreme EHR?
25. ☐ Yes ☒ No Operations within cable yarding areas?

If any items 22 through 25 are answered yes, explain and justify as required by the rules:

26. Indicate erosion hazard ratings present on this THP:

☒ Low ☒ Moderate ☒ High ☐ Extreme

27. Describe soil stabilization measures to be implemented or any additional erosion control measures proposed in this THP where required by the rules:

Waterbars will be installed as per 14 CCR 914.6 on all skid trails and truck roads. See addendum for areas to be straw mulched, seeded, and/or slashed. Straw mulch will be applied at the rate of one bale per 400 sq. ft. This rate is equivalent to a 3 in. depth of straw over 400 sq. ft. Seed will be applied at the rate of 50 lbs. per acre. This work will be done at completion of harvest operations if operations are occurring in the winter period. If operations are occurring outside of the winter period, this work will be done at the start of the winter period or at completion of harvest operations, whichever occurs first.

85

EXHIBIT H

81

28. ☐ Yes ☒ No Are any alternative practices or exceptions to the standard harvesting or erosion control practices permitted in the rules proposed for this plan? If yes, explain and justify:
29. ☒ Yes ☐ No Are timber operations proposed for the winter period? If yes, provide a winter period plan in an addendum or specify compliance with 14 CAC 914.7(c), 934.7(c), or 954.7(c). No winter period plan is needed for cable, helicopter, or balloon yarding.

ATTACHMENT 5

ROADS AND LANDINGS

0616

30. ☒ Yes ☐ No Will any roads **be** constructed or reconstructed?
If yes, check items 31 through 37 that apply:
31. ☐ Yes ☒ No Will new roads **be** wider than single lane with turnouts?
32. ☐ Yes ☒ No Will any landing exceed the maximum specified in the rules?
33. ☐ Yes ☒ No Are logging roads or landings proposed in areas of unstable soils or known slide-prone areas?
34. ☐ Yes ☒ No Will new roads exceed a grade of 15% or pitches of 20% for distance greater than 500 feet?
35. ☐ Yes ☒ No Are roads to be constructed, other than crossings, within the watercourse and lake protection zone of a Class I or II watercourse?
36. ☐ 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 watercourse and lake protection zone?
37. ☐ Yes ☒ No Are exemptions proposed for flagging or otherwise identifying the location of roads to be constructed?
38. If any of items 31 through 37 are answered yes, explain, justify, and give site-specific measures to reduce adverse impacts or, if there is any additional or special information concerning the construction and/or maintenance of roads or landings, if required by the rules. Provide necessary information in an addendum.

WATERCOURSE AND LAKES

39. ☒ Yes ☐ No Are there any watercourses or lakes which contain Class I through IV waters on or adjacent to the plan area? If yes, complete items 40 through 50.
40. ☒ Yes ☐ No Are any in-lieu practices and/or alternative practices proposed for watercourse or lake protection? If yes, explain and justify:

Are any exceptions proposed for the following watercourse and lake protection zone practices? Check items 41 through 48 that apply.

41. ☒ Yes ☐ No Exclusion of the use of watercourses, marshes, wet meadows, and other wet areas, for landings, roads, or tractor roads?
42. ☐ Yes ☒ No Retention of non-commercial vegetation bordering and covering meadows and wet areas?

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NOV 18 1993

RESOURCE MANAGEMENT

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OCT 28 1993

RESOURCE MANAGEMENT

EXHIBIT H

43. ☐ Yes ☒ No Directional felling of trees within the zone away from the watercourse or lake?

ATTACHMENT 5

44. ☐ Yes ☒ No Increase or decrease in the width(s) of the zone(s)?

45. ☐ Yes ☒ No Protection of watercourses which conduct Class IV waters?

0617

46. ☒ Yes ☐ No Exclusion of heavy equipment from the zone?

47. ☐ Yes ☒ No Retention of 50% of the overstory canopy in the zone?

48. ☐ Yes ☒ No Retention of 50% of the understory in the zone?

If any of items 41 through 48 are answered yes, explain and justify if required by the rules and provide necessary information in an addendum.

49. ☒ Yes ☐ No Are residual trees or harvest trees going to be marked within the watercourse and lake protection zone? if no, explain:

50. In an addendum describe the protective measures and zone widths for the watercourse and lake protection zones that are within the plan area.

WILDLIFE

51. ☐ Yes ☒ No Are any known rare or endangered species or species of special concern, including key habitat, associated with the THP area? If yes, in an addendum identify the species and the provisions to be taken for protection of the species.

52. ☐ Yes ☒ No Are there any snags which must be felled for fire protection or other reasons? If yes, describe which snags are going to be felled:

53. ☐ Yes ☒ No Are any other provisions for wildlife protection required by the rules? If yes, describe provisions:

CULTURAL RESOURCES

54.a. ☒ Yes ☐ No Has an archaeological survey been made of the areas to be harvested?

b. ☒ Yes ☐ No Have the California Archaeological Inventory records been checked for any recorded archaeological or historical sites located in the area to be harvested?

55. ☐ Yes ☒ No Are there any archaeological or historical sites located in the area to be harvested? If yes, describe in an addendum how the sites are to be preserved.

See Archaeological and Historical Resources Survey

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OCT 28 1993

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EXHIBIT H

HAZARD REDUCTION

56. What type of slash treatment will be used in the fire protection zone?

- 1[] Pile and burn 2[] Lopping 3[] Other:
4[X] Not applicable. No fire protection zone present.

ATTACHMENT 5

57. [] Yes [] No If the clearcutting method is used, will broadcast burning be used for site preparation? Not applicable 0618

58. If piling and burning is to be used for hazard reduction, who will be responsible for compliance?

- 1[] Timber Owner 2[X] Timber Operator 3[] Timberland Owner

PUBLIC NOTICE

59. [X] Yes [] No Are there any ownerships within 300 feet of the plan boundary which are owned by persons other than the persons executing this plan? If yes, a list of the names and addresses of the adjacent property owners and a Notice of Intent to Harvest Timber must be included with the plan.

PESTS

60. [] Yes [X] No Are there any adverse insect, disease, or pest problems of significance in the plan area? If yes, describe the mitigation measures, if any, to improve the health and productivity of the stand in an addendum.

OTHER INFORMATION

61. Are there any other existing or planned land use activities including but not limited to other THPs in the area of the proposed THP which may combine with the effects of your timber harvesting operation to cause significant adverse cumulative environmental effects? [] Yes [X] No If yes, please describe the other land use(s) and the likely effect as well as any mitigation which would reduce the negative effect in an addendum.

ATTACHMENTS

62. Check if the attachments listed are included with the plan:
- 1[] Notice of Stream Bed Alteration to Department of Fish and Game (A copy of this notice is attached to the instructions for your use).
 - 2[X] Estimated Surface Soil Erosion Hazard Calculations
 - 3[X] Notice of Intent to Harvest Timber and a list of names and addresses of adjacent property owners.
 - 4[X] Maps
 - 5[] Addendum for silviculture information
 - 6[] Written notice of plan to the timber operator, timberland owner, or timber owner that did not sign the THP.

REGISTERED PROFESSIONAL FORESTER

63. I have the following authority, responsibilities, and limitation for preparation or administration of the THP and timber operation:
I will be responsible for all aspects of this timber harvest from plan preparation through completion of the woods operation. This includes tree marking and any necessary amendments. John Andersen will be my designee for this THP.

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NOV 18 1993

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OCT 28 1993

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EXHIBIT H

64. I have notified the timber owner and the timberland owner, in writing, of their responsibilities for: ATTACHMENT 5

- 1[X] Yes [] No The stocking requirements of the rules
2[X] Yes [] No The maintenance of erosion control structures requirements of the rules. 0619
3[X] Yes [] No The marking requirements contained in the rules.

65. [X] Yes [] No I will provide the timber operator with a copy of the approved plan.

66. After considering the rules of the Board of Forestry and the mitigations measures I have proposed I have determined that the timber operation:

- [] will have a significant adverse impact on the environment
[X] will not have a significant adverse impact on the environment

If the operation will have a significant adverse impact on the environment, in an addendum explain why any alternatives or additional mitigation measures that would reduce the impact are not feasible.

67. Registered Professional Forester: I certify that I, or my designee, personally inspected the plan area, and the plan complies with the Forest Practice Act and the Forest Practice rules.

Signature: Ray Webster Date: 10/14/93

68. CERTIFICATION
The above conforms to my/our plan and, upon filing, I/we agree to conduct harvesting in accordance therewith. Consent is hereby given to the Director of Forestry, his agents and employees, to enter the premises to inspect timber operations for compliance with the Forest Practice Act and the Forest Practice rules.

Timber Owner: D & D Ranch, by J. Phillip Di Napoli, General Partner

Signature: J. Phillip Di Napoli Date: 10-20-93
Printed Name: J. PHILLIP Di NAPOLI

Timberland Owner: D & D Ranch, by J. Phillip Di Napoli, General Partner

Signature: J. Phillip Di Napoli Date: 10-20-93
Printed Name: J. PHILLIP Di NAPOLI

Timber Operator: **Tu be amended in.**

Signature: ---

Printed Name: ---

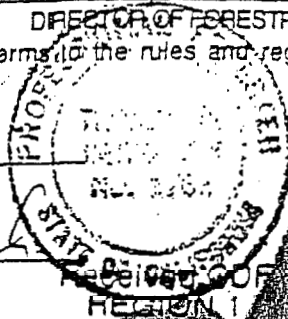
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OCT 28 1993

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DIRECTOR OF FORESTRY
This Timber Harvesting Plan conforms to the rules and regulations of the Board of Forestry and with the Forest Practice Act.

By: [Signature]
(Signature)
Thomas P. Cipriani
(Printed Name)



11/10/94
(Date)
RESOURCE MANAGER
(Title)

81

EXHIBIT H

NOTICE OF INTENT TO HARVEST TIMBER

RESUBMITTAL

ATTACHMENT 5

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 for a determination as to whether the timber operation described in the plan or amendment complies with state laws and rules. The following briefly describes the timber operation, where and how to obtain more details, and where and when to submit documents regarding the proposed timber operation. If you would like to review the plan or would like more information about the plan or amendment, or about the laws and regulations governing timber harvesting in California, please contact: 0620

California Department of Forestry
Region I Headquarters
P.O. Box 670, 135 Ridgeway Avenue
Santa Rosa, CA 95402
(707) 575-2275

California Department of Forestry
Santa Cruz/San Mateo Ranger Unit
6053 Highway 9, P.O. Drawer F-2
Felton, CA 95018
(408) 335-5355 (415) 532-2726

Questions or concerns regarding the specific THP should be directed to the Santa Rosa office for public input incorporation into an Official Response Document. The THP or amendment is available for public review at the Department's Felton office. The cost to obtain a copy is \$2.50 for the first twenty (20) pages and \$0.125 for each additional page. The following is a summary of the information contained in the plan or amendment: # 4. ¹²/_{xx}

1. Plan Submitter: D & D Ranch

2. Timberland Owner: D & D Ranch

3. Location of the plan area (county, section, township and range, and approximate direction and distance to the plan area from the nearest community or well-known landmark):
Santa Cruz County, Township 11 South, Range 2 & 3 East, Portion of Salsipuedes, approximately 1 and 1/2 miles due east of Highway 152 on the Santa Cruz/Santa Clara County boundary.

4. Name of and distance of nearest perennial stream and major watercourse flowing through or downstream from plan area: Timber harvest area is adjacent to an unnamed tributary to Coward Creek, which flows into the Pajaro River. Another portion of the harvest area is located upslope from an unnamed tributary which flows into College Lake.

5. Acres on plan: 137

6. Proposed harvesting method or treatment: Selection

The end of the public comment period and the earliest date for the Director's determination on the plan is 45 days from the date of receipt of the plan by the Department. The estimated end of the public comment period and the earliest date for the Director's determination is: Jan. 2, 1994.

If you originally received this Notice of Intent to Harvest Timber by mail, you can expect the Department to mail you the Timber Harvest Plan or amendment number, the date of receipt of the plan by the Department, the filing date of the plan, and the date of any public hearing. You should check with the Department for the date of the Review Team meeting. If you would like to talk to the Registered Professional Forester who prepared the plan or amendment, please call: Roy Webster, Registered Professional Forester #1765, (408) 688-8787

=====

FOR DEPARTMENT USE

Timber Harvest Plan or amendment number 1-93-461512 Date of Receipt REGION 1

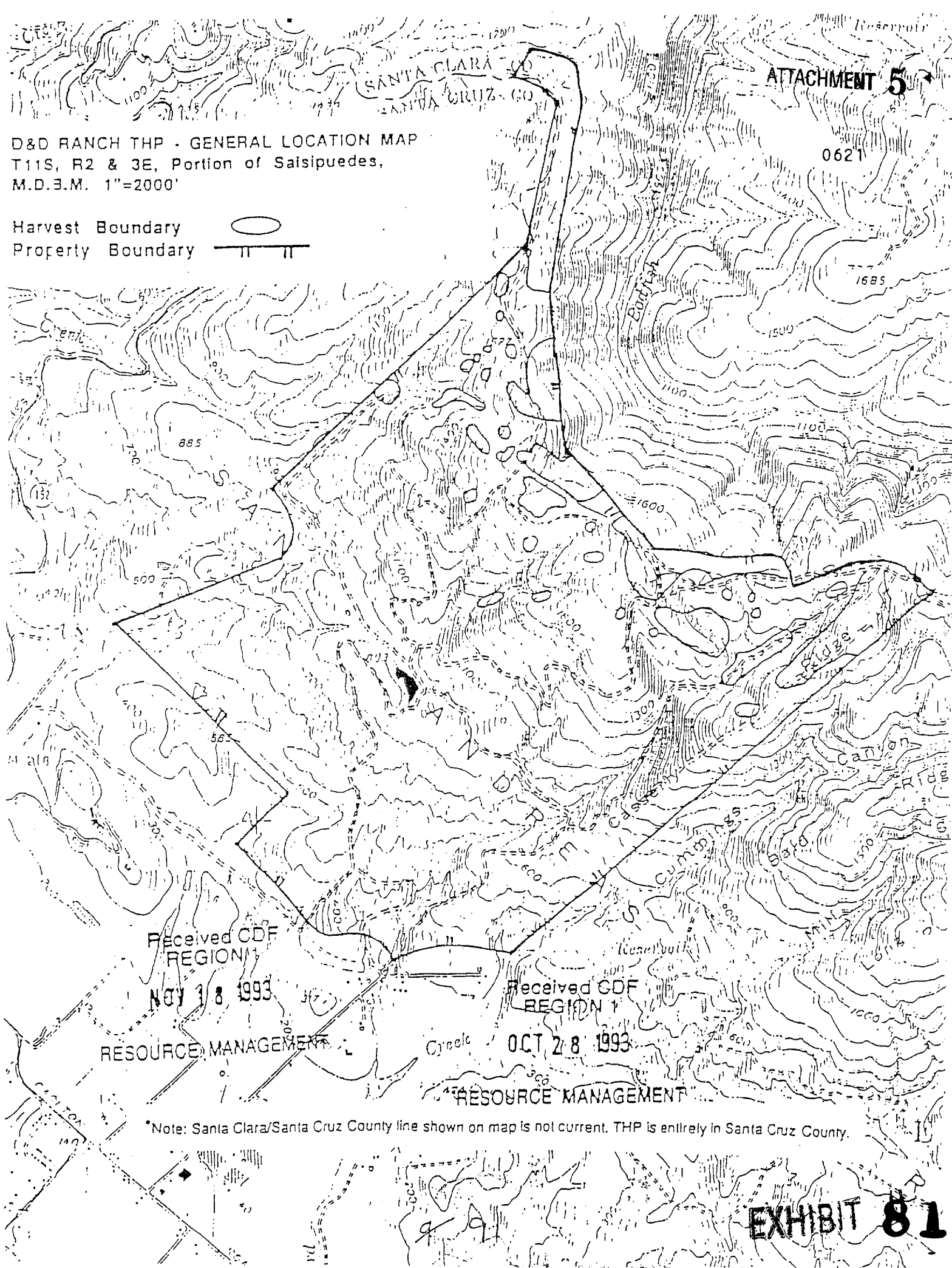
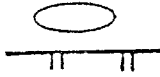
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NOV 18 1993

RESOURCE EXHIBIT

D&D RANCH THP - GENERAL LOCATION MAP
T11S, R2 & 3E, Portion of Salsipuedes,
M.D.B.M. 1"=2000'

Harvest Boundary
Property Boundary



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NOV 18 1993

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OCT 28 1993

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*Note: Santa Clara/Santa Cruz County line shown on map is not current. THP is entirely in Santa Cruz County.

D & D RANCH TIMBER HARVEST PLAN

ADDENDUM

November 15, 1993

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NOV 18 1993

#21 Directional Tree Pulling

RESOURCE MANAGEMENT

Some trees may need to be pulled to avoid falling trees across watercourses located on the property where this can be avoided if they are pulled. Trees may also be pulled to avoid breakage from falling trees across ridges or to avoid falling trees across property lines.

0622

#23 & 24 Tractor Operations on slopes over 65%, and on slopes over 50% with High or Extreme EHR.

Existing skid trail "a" is located on slopes over 65% for some portions of the trail. The skid trail has been used in the past as a ranch road but the gradient is such that it could not be used as a truck road. It is not known when the skid trail was constructed, but it has remained stable despite the absence of erosion control structures. The upper portion of this skid trail may not be used, as logs will probably be skidded down hill to the landing to the west, near the property boundary. However, there is a possibility that the LTO may think otherwise and want to use the entire skid trail.

Proposed skid trail "b" is located on slopes over 65% for approximately 30 feet when it nears the harvest area. The skid trail is needed to access timber found in the Class 3 watercourse near the end of the skid trail. The skid trail is located in a dense brush field before it enters the harvest area. Normal cut and fill techniques will be used to construct the skid trail.

The justification for using these skid trails comes from the fact that cable yarding is infeasible for this THP. A skyline cable setting for the scattered timber found in the draws would be economically infeasible and would create more damage to soil productivity due to roads that would have to be constructed. A large portion of the timber is found on ridge tops, on gentle slopes, making the plan appropriate for cat logging.

#29 Winter Operations *see also RPF response to RT recommendation, dated 1/3/94, p. 1. gno*

The earliest date for the Director's determination for this plan will be well into the winter period. Winter operations are proposed for this plan in areas above the 1500 foot contour interval. Where the contour interval runs through a harvest area, the harvest area is proposed for winter operations if half of the harvest area is located upslope from the 1500 foot contour interval. Any tractor yarding that occurs during the winter period shall be done only during dry, rainless periods where soils are not saturated. Erosion control structures shall be installed on all skid trails and truck roads prior to the end of the day if the U.S. Weather Service forecast is a "chance" (30% or more) of rain before the next day, and prior to weekend and other shutdown periods.

#30 Roads to be reconstructed

All roads to be used for this harvest are existing with very little work needed for them to be usable by log trucks. By looking at the THP map it is evident that there are many roads which are used for maintenance of the ranch. None of the roads are waterbarred but many are outsloped, allowing water to drain off of the roads. A few of the roads are throughcuts allowing very little drainage of water. In these areas rolling dips passable during dry weather by a standard two wheel drive vehicle will be placed at the start of the through cuts and at the end of the throughcuts. All roads used for this harvest will have rolling dips, as described above, installed as per 14 CCR 914.6. No new truck roads are proposed for this harvest.

At point "h" on the THP map, a new culvert is needed to replace a broken pipe used for a road crossing of a Class 3 watercourse. The culvert has rusted and broken, and may not be able to

10 92

NOV 18 1993

ATTACHMENT 5

RESOURCE MANAGEMENT

D & D Ranch THP
November 15, 1993

0623

the harvest trees within the zone and shall be done in advance of timber falling operations by the RPF who prepared the plan, or his designee. Vegetation, other than commercial species, bordering and covering meadows and wet areas shall be retained and protected during timber operations.

In any areas where at least 800 square feet of mineral soil is exposed from harvest operations within the WLPZ, annual rye grass will be applied at the rate of 50 pounds per acre.

There is one proposed crossing of the Class 2 watercourse at a point where an existing skid trail crosses the watercourse. The crossing is located at the point skid trail "f" crosses the watercourse as shown on the THP map. Two scenarios are given for the construction of this crossing. If the crossing is dry at the time of its use, a small amount of fill will be placed into the channel to allow skidding. If the crossing is wet at the time of its use, a pipe sufficient to carry the flow of water will be installed into the channel, with soil placed on top of the pipe. No matter which scenario is used, the entire crossing will be removed and the natural channel restored at completion of its use.

At THP map point "g" a Class 3 watercourse crosses an old ranch road. The road has redirected the watercourse down the road for approximately 100 feet where it eventually runs off the road and into the Class 2 watercourse. Because equipment is proposed to be located just up the drainage from this erosion problem, it is proposed to walk either a dozer or skidder down to the watercourse diversion to install a dip in the road to allow winter flows to run directly across the road and into the Class 2 watercourse.

On existing skid trail "d" where it crosses a Class 3 watercourse, the watercourse has been partially diverted by the skid trail crossing. At completion of harvest operations this crossing will be dipped to allow the entire watercourse to flow directly across the watercourse.

All Class 3 watercourse crossings will consist of fill placed into the channel and removed at completion of harvest operations. No WLPZ is necessary to protect the beneficial uses of the Class 3 watercourses. No equipment will be allowed in the Class 3 watercourses except at crossings designated in this plan, or where discussed in this plan.

#51 Rare and endangered species

The Natural Diversity Database was consulted regarding this timber harvest plan. There were no habitats for endangered plants or animals in or near the timber harvest area.

The Biotic Resources Map was also consulted regarding this timber harvest plan. The map showed the plan boundary within the South County Grasslands Community, an important habitat for grasslands fauna and wintering hawks. The timber harvest boundary has been drawn around redwood areas and does not include grassland areas. No new road construction is proposed in this THP in the grassland areas or at all, therefore, grasslands will not be effected by truck roads. On the ridge top area of the plan, scattered clumps of redwood are found surrounded by grasslands. In these areas some skidding will occur across grasslands, no skid trails are flagged or mapped because the ground is very gentle. To reduce the impact to the grasslands in these areas, a single path will be chosen from which to skid the logs from any one redwood area to the landing to minimize impact to the grasslands.

#58 Piling and Burning for Hazard Reduction.

In grassland areas around redwood clumps, especially on ridge top areas, slash will be either piled and burned, or chipped, or buried. This is more for the aesthetics of the job, but will also reduce the fire hazard.

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EXHIBIT H

D&D Ranch
November 15, 1993

0624

REGION 1

NOV 18 1993

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RESOURCE MANAGEMENT

#59 Public Notice

There are 23 people who were sent a Notice of Intent to Harvest Timber because they own property within 300 feet of the property boundaries. The list of these property owners is found attached. In addition, the Watsonville Water District, the Pajaro Valley Unified School District, and Walt Symons, Board of Supervisors, were sent a Notice of Intent to Harvest Timber.

Weekend Operations

An exception is proposed to 14 CCR 926.9, Hours of Work, to allow weekend operations on this THP. There are no dwellings near the harvest areas that could be effected by the noise of a timber harvest. Hauling will not occur during Saturdays and Sundays. If any complaints are received as a result of the weekend operations, weekend operations will cease.

#61 Cumulative Impacts

This proposed THP covers land owned by D & D Ranch, encompassing approximately 137 acres. The entire parcel size on which harvesting is proposed is 1180 acres. D & D Ranch also owns land on the flat lands below these parcels that are being used for agricultural purposes. The THP is located on a southwest facing slope with second growth redwood and scattered old growth redwood found throughout the harvest area. Redwood on this Site III timber land amounts to 100% of the commercial volume proposed for harvesting. Slopes vary from 0 to 90%, with the majority of the harvest area located on very gentle ground on the main ridge top. Other species found on the property include willow, equisetum, coyote bush, blackberry, poison oak, stinging needles, bay laurel, elderberry, coast live oak, grass, thistle, coffeeberry, and maple. A great majority of the property is grassland with redwood clumps on the main ridge top, becoming more scattered in drainages.

Soils on the property consist of the Aptos loam, the Diablo clay, the Madonna loam, the Ben Lomond-Felton complex, the Santa Lucia Shaly clay-loam, the Maymen-Madonna complex, the Lompico-Felton complex, the Bonny Doon-Rock outcrop complex, the Elder Sandy loam, and the Los Osos loam. The Erosion Hazard Rating for these soils range from low to high (see Estimated Surface Soil Erosion Hazard Worksheet). The Erosion Hazard Ratings were determined for soils outside of the harvest area so waterbar spacing on the many roads could be determined.

There is one Class 2 watercourse located within the boundary of the harvest. There also numerous Class 3 watercourses located within the timber harvest boundary. The Class 2 watercourse has been impacted from a ranch road that is located very close to the watercourse. No erosion control structures were found on the road and one tributary Class 3 watercourse was found to be diverted by the road. This diversion caused the Class 3 watercourse to flow down the road, creating a gully, and depositing the road sediment into the Class 2 watercourse. This ranch road crosses the Class 2 watercourse with no culvert farther downstream from the Class 3 watercourse diversion. The crossing is dipped, but it is obvious that vehicles have used this crossing. Farther down the Class 2 watercourse is a similar crossing by a second ranch road. Up stream from this second crossing, is what appears to be an old skid trail used during the last harvest. The skid trail traveled adjacent to the watercourse and has since been washed out because the watercourse was partially diverted onto the skid trail farther upstream. None of the above described truck roads or skid trails are proposed for use, except the portion of the road needed to access the Class 3 watercourse diversion to allow adequate drainage to be installed as discussed in Addendum #50.

The timber harvest area was clearcut around the turn of the century of most of the old growth redwood. Approximately 25 to 30 years ago, two portions of the proposed harvest area were logged, one area being in and around the Class 2 watercourse, and the second area being near

D&D Ranch
November 15, 1993

0625

ATTACHMENT 5

skid trail "e" on the opposite side of the property. The ridge top portion of the plan has not been harvested since the turn of the century. This proposed harvest will selectively removed 50-55% of the commercial redwood found within the harvest area. Larger conifers will be marked to release the smaller conifers, especially in redwood clumps. Larger conifers will be retained when they are open grown.

For this cumulative impact assessment, the following geographic assessment areas have been considered for each of the referenced sources. Justification for using these assessment areas follows.

1. Watershed - the watershed bounded by Bald Ridge to the south and the ridge to the north of Hughes Creek to the north, and all blue line watercourses inbetween. Coward Creek was also inside the watershed assessment area because Cummings Canyon drains into Coward Creek. The watershed assessment area is approximately 7100 acres. The focus will be on drainages that flow through the plan area because this is where the greatest impacts are expected to occur.

Justification: This proposed timber harvest is located either adjacent or up slope from the watercourses named above. Impacts associated with a timber harvest may effect these watercourses, therefore, this assessment area was chosen.

2. Soil Productivity--The boundaries of the D & D Ranch property.

Justification: Heavy equipment will be operating only within the property boundaries. Soil outside the property boundaries will be left undisturbed, so no effects should result. Therefore, only the D & D Ranch property was considered.

3. Biological Resources--The focus will be on the plan area, but consideration will be given to the entire D & D Ranch property (1180 acres).

Justification: The further you move from the plan area the less effect there will be on the terrestrial plants and animals. However, there could be some effects on downstream flora and fauna, and impacts associated with the South County Grasslands Community located on the property, as **discussed** in Addendum #51.

4. Recreational Resources--The assessment area will be the harvest area plus 300 feet surrounding the harvest area.

Justification: According to the **appendix** for Technical Rule addendum #2 Cumulative Impact Assessment, the assessment area for recreational resources shall **be** the harvest area plus 300 feet surrounding the harvest area.

5. Visual Resources--The assessment area will be Highway 152, Peckham Road, Carlton Road, and Scurich Road.

Justification: All of these roads are roads traveled by a significant amount of people and are in view of the harvest area. Therefore, these roads were chosen for the assessment area.

6. Vehicular Traffic--Consider all roads which will be used by log trucks for this timber harvest.

Justification: The only public roads effected by hauling operations are those to be used by log trucks by this timber harvest. These include Highway 152, Highway 1, and maybe Highway 129 or Highway 17, depending on who buys the timber.

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NOV 18 1993

15 93
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81

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Information sources for this assessment include:

- CDF THP files, 6059 Highway 9, Felton, CA 95018, 408-335-9148
- The Natural Diversity Database, Dept. of Fish and Game, P.O. Box 944209, Sacramento, CA 94244-2090, 916-324-3812
- Lists of Rare and Endangered Species in Santa Cruz County, County of Santa Cruz General Plan, 701 Ocean Street, Santa Cruz, CA 95060, 408-454-2000
- Santa Cruz County Biotic Resources Map, 701 Ocean Street, Santa Cruz, CA 95060, 408-454-2000
- Santa Cruz County assessment and survey maps, 701 Ocean Street, Santa Cruz, CA 95060, 408-454-2002
- Soil Survey for Santa Cruz County, USDA Soil Conservation Service, 635 S. Sanborn Road, Salinas, CA 93901, 408-424-7377.
- Mike Jani, RPF, Big Creek Lumber Co., 3564 Highway 1, Davenport, CA 95017, 408-423-4156.
- Larry Palm, Surveyor, 7580 Empire Grade Rd., Santa Cruz, CA 95060, 408-426-0541
- Leigh Jordan, Northwest Information Center, Foundation Center, Building 300, Sonoma State University, Rohnert Park, CA 94928, 707-664-2494.
- Patrick Orozco, local tribal group, 110 Dick Phelps Road, Watsonville, CA 95076, 408-728-8471.
- Irene Zwierlein, local tribal group, 789 Canada Road, Woodside, CA 94062, 415-851-7747
- Sam Nixon, D & D Ranch, 101 Park Center Plaza, Suite 1300, San Jose, CA 95113, 408-998-2460.
- John Pisturino, Ranch Manager, 84 Hecker Pass Rd., Watsonville, CA 95076, 408-722-1838.
- Randolph Repass, adjacent landowner, 500 Westridge Dr., Watsonville, CA 95076, 408-499-2979.

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NOV 18 1993

RESOURCE MANAGEMENT

The watercourse crossings will be upgraded, if they are used for this proposed harvest, reducing the amount of sediment entering watercourses.

2. Soil Productivity No, after mitigations. These mitigations include the use of existing skid trails and truck roads as much as possible, and winter operations only during dry rainless periods when soils are not saturated.

3. Biological Resources No, after mitigations. These mitigations include retaining large downed logs, some snags and other downed woody material in its place. No trees will be marked where nests are found.

This will be a selective harvest, which should not significantly alter the stand characteristics and habitat for wildlife and plants. The redwood on site is growing in clumps, and the clumps will be thinned, not removed. To maintain water temperatures close to those found before harvest, at least 50% of the overstory and 50% of the understory canopy covering the ground and adjacent waters shall be left in a well distributed, multi-storied stand composed of a mix of species similar to that found before the start of harvesting operations in the Class 2 watercourse and lake protection zone. The residual overstory canopy shall be composed of at least 50% of the existing overstory conifers.

4. Recreational Resources No reasonably potential significant effects. The timber harvest plan is located on private land with no adjacent public lands.

5. Visual Resources No reasonably potential significant effects. The selective nature of the harvest will limit the adverse visual effects from any public road. The public roads discussed in #5 above are located one-half mile away from the harvest area, at a minimum. Highway 152 is one of these public roads and is considered a Scenic Highway. The public will most likely be viewing the plan area from a moving vehicle on Highway 152. Because of the distance between the roads and the timber harvest area (at least one-half mile), and the selective nature of the harvest, it is expected that visual resources will not be effected by this timber harvest.

6. Vehicular Traffic No reasonably potential significant effects.

All of the roads considered are county roads, at least two lanes, and all roads have been used by log trucks in the past. No more than 10 log trucks per day will be hauled down these roads in a single day. This will result in a very small portion of normal daily traffic found on these roads.

	Yes, after mitigation	No, after mitigation	No reasonably, potential significant effects
1. Watershed		X	
2. Soil Productivity		X	
3. Biological		X	
4. Recreation			X
5. Visual			X
6. Traffic			X

Note

(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.

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NOV 18 1993

81

RESOURCE MANAGEMENT

EXHIBIT H

D&D RANCH TIMBER HARVEST PLAN 0628
LANDOWNERS WITHIN 300 FEET

ATTACHMENT 5

Robert and Janet Mize, 900 Fallow Field Lane, Watsonville, CA 95076
Richard and Margaret Muir, 911 Fallow Field Lane, Watsonville, CA 95076
Mievel Vasquez, 130 Hecker Pass Road, Watsonville, CA 95076
Randolph Repass, 500 Westridge Drive, Watsonville, CA 95076
Luke and Susan Scurich, P.O. Box 1170, Watsonville, CA 95076
Gary Waugaman, 450 Fallow Field Lane, Watsonville, CA 95076
Bruce Richardson, c/o Henry Wempe, 3820 Alitos Road, Watsonville, CA 95076
Henry and Nancy Wempe, 910 Fallow Field Lane, Watsonville, CA 95076
Jimmy Gandrup, 302 Peckham Road, Watsonville, CA 95076
Mary Gandrup, 248 Peckham Road, Watsonville, CA 95076
Michael Clifford, ²¹²~~236~~ Peckham Road, Watsonville, CA 95076 - 9747
Patricia Davidson, 223 Peckham Road, Watsonville, CA 95076
Robert Hurley, 221 Peckham Road, Watsonville, CA 95076
Edvino and Maria Luis, 28 Melwood Way, Watsonville, CA 95076
Linda Gandrup, 309 Peckham Road, Watsonville, CA 95076
Mark and Karen Sambrailo, 90 Hecker Pass Road, Watsonville, CA 95076
Stewart and Alice Kett, 110 Carlton Avenue, Watsonville, CA 95076
St. Francis Preparatory, 2400 East Lake Avenue, Watsonville, CA 95076
Ariel Mushrooms, 80 Prospect Street, Watsonville, CA 95076
Charles and Paula Waugaman, P.O. Box 909, Watsonville, CA 95077
Elwin and Helen Marg, P.O. Box 597, Watsonville, CA 95077
Richard and Judy Wallrath, 820 34th Street, Suite 101, Bakersfield, CA 93301
Walsh-Fletcher Enterprises, 28014 Quail Court, Carmel, CA 93923

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OCT 28 1993

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SOIL FACTORS

 102: APTOS LOAM
 127: DIABLO CLAY
 149: MADONNA LOAM

0629

A. SOIL TEXTURE				FACTOR RATING		
1. DETACHABILITY	FINE	MEDIUM	COARSE	102	127	149
RATING	LOW	MODERATE	HIGH			
	1-9	10-18	19-30	17	5	17
2. PERMEABILITY	FINE	MEDIUM	COARSE			
RATING	SLOW	MODERATE	RAPID			
	5-4	3-2	1	2	4	2

B. DEPTH TO RESTRICTIVE LAYER OR BEDROCK

	SHALLOW	MODERATE	DEEP			
	1'-19"	20'-39"	40'-60" (+)			
RATING	15-9	8-4	3-1	5	1	7

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

	LOW	MODERATE	HIGH				FACTOR RATING
	(-) 10-39%	40-70%	71-100%				
RATING	10-6	5-3	2-1	5	5	5	
SUB TOTAL							29 15

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	20	5

III. RESISTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE

	LOW	MODERATE	HIGH		
	0-40%	41-80%	81-100%		
RATING	15-8	7-4	3-1	5	5

RESISTIVE-VEGETATIVE COVER, 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	15	15
TOTAL SUM OF FACTORS						69 40

EROSION HAZARD RATING

	< 50	50-65	66-75	> 75		
	LOW	MODERATE	HIGH	EXTREME		
THE DETERMINATION IS						H L

0630

100: APTOS LOAM

FACTOR
RATING

6. DEPTH TO RESTRICTIVE LAYER OR BEDROCK

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

SUB TOTAL	37	30	6
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II. SLOPE FACTOR

III. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE

IV. 30-YEAR, ONE HOUR RAINFALL INTENSITY (Hundredths Inch)

TOTAL SUM OF FACTORS	73	69
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EROSION HAZARD RATING

THE DETERMINATION IS D H H

OCT 28 1993

RESOURCE MANAGEMENT

81

24 98

EXHIBIT H

ATTACHMENT 5

0631

D&D RANCH THP
WATERSHED ASSESSMENT AREA MAP
T11S, R2 & 3E, Portion of Salsipuedes.
M.D.B.M. 1"=3000'

Watershed boundary

*Note: Santa Clara/Santa Cruz County line shown
on map is not current. THP is entirely in Santa Cruz County.

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NOV 18 1993

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81
EXHIBIT H

SANTA CLARA CO
SANTA CRUZ CO

D&D RANCH THP - TOPOGRAPHIC MAP #1
T11S, R2 & 3E, Portion of Salsipuedes,
M.D.B.M. 1"=700'

REVISED 12-13-93 *AL*

Property Boundary

THP Boundary

Structure

Proposed landing

Proposed skid trail

Existing, seasonal road

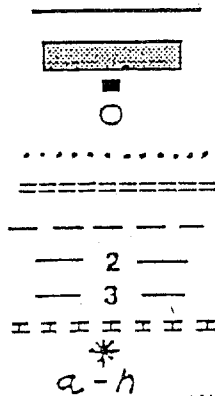
Existing skid trail

Class 2 watercourse

Class 3 watercourse

Roads not to be used

SPRING
MITIGATION POINTS



Received CDF
REGION 1

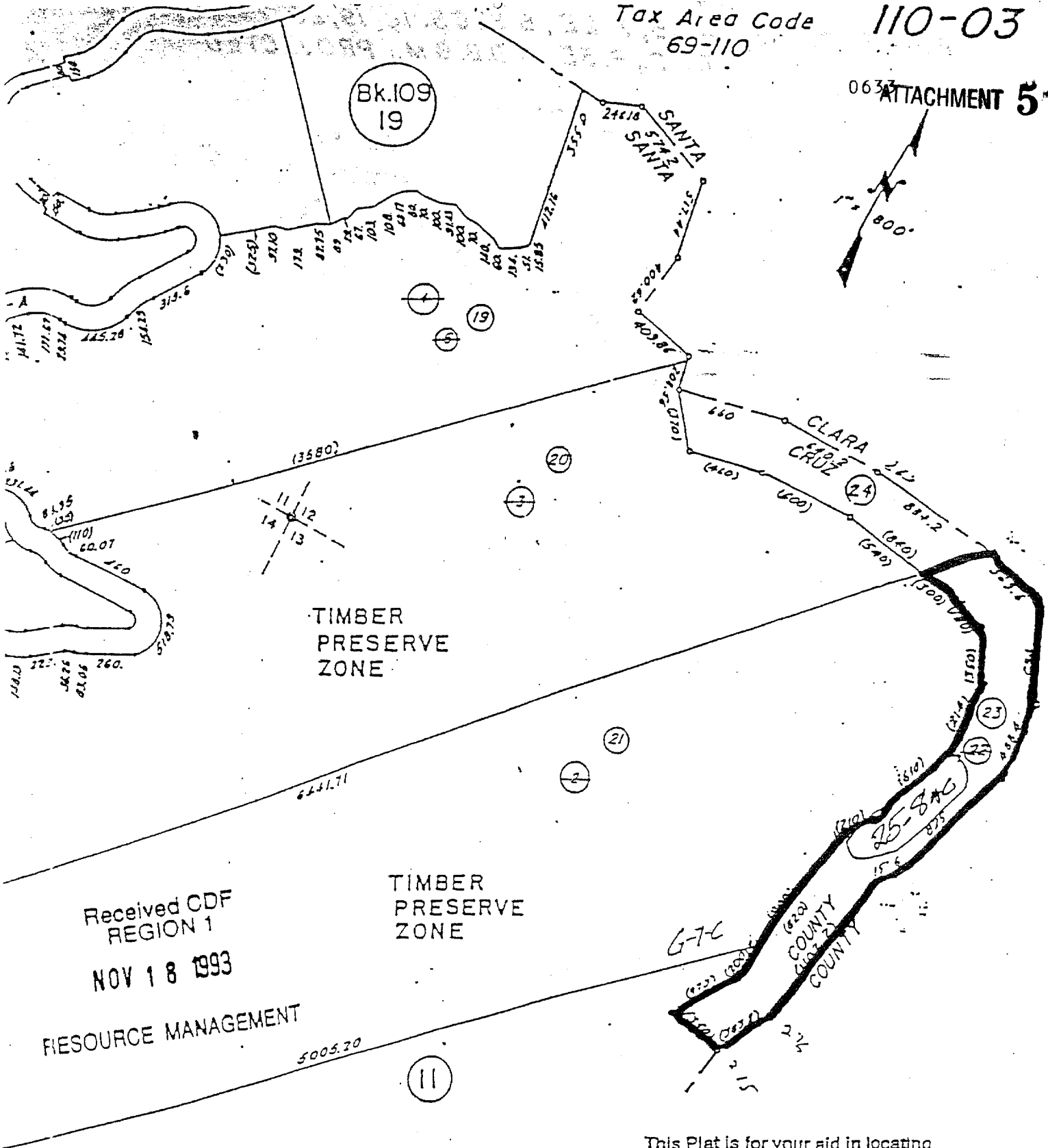
DEC 24 1993

RESOURCE MANAGEMENT

Tax Area Code
69-110

110-03

0637 ATTACHMENT 5



Received CDF
REGION 1

NOV 18 1993

RESOURCE MANAGEMENT

TIMBER
PRESERVE
ZONE

TIMBER
PRESERVE
ZONE

PROPERTY LINE ———

101

This Plat is for your aid in locating
your land with reference to street and
other Parcels. While this Plat is
believed to be correct, the company
assumes no liability for any loss
resulting by reason of reliance

81

Note - Assessor's Parcel Block 8
Lot Numbers shown in Circles

Assessor's Map No. 110-03
County of Santa Cruz, Calif.
Mar. 1955

EXHIBIT H

NOTE

Information concerning archeological sites has been removed from this THP, 1-93-461 SCR, 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 - Felton
2. Native American Heritage Commission
3. Local Tribal Governments -
Patrick Orozco
Irene Zwierlein
4. Northwest Information Center @ Sonoma State University
N/A - sent by RPF

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

102

6. The Class 2 watercourse crossing of skid trail "f" will be straw mulched at completion of harvest operations for 50 feet on both sides of the crossing and any other bare soil areas near the crossing.

7. When existing skid trail "c" enters the Class 2 watercourse WLPZ, waterbar outlets will be mulched with straw or slash between skid trail "f" and the THP boundary.

8. Where the Class 2 watercourse has been diverted by redwood chunks near skid trail "c", the chunks shall be moved against the fill slope and the natural channel restored. This area has been flagged with red flagging in the field.

9. At a point on the outside edge of skid trail "c", approximately 150 feet down drainage from #8 above, bare soil was found at the edge of the Class 2 watercourse. This exposed dirt will be straw mulched or slashed by completion of harvest operations.

10. All mitigation work associated with skid trail "e" and the landing will be straw mulched by completion of harvest operations. The RPF will be present at the close out of this skid trail to ensure compliance.

Sincerely,

Roy Webster
RPFW4765r

Received CDF

REGION 1

DEC 24 1993

RESOURCE MANAGEMENT

103

81

EXHIBIT H

REVIEW TEAM RECOMMENDATIONS
THP 1-93-461 SCR, LANDS OF D & D RANCH

cc: Unit
1-4-94
mc
ATTACHMENT 5

0636

1. Winter operations as proposed in the THP are appropriate except as an additional protective measure only one landing together with road serving it and tractor roads leading to the landing will be open and in use at any given time.
2. Portions of skid trails "a" and "e" which are in close proximity to the Class III shall be covered with straw mulch. The RPF shall flag these areas.
3. Prior to the onset of operations, the RPF shall record the presence of the historic cabin located within the THP area. This cabin will be protected from timber operations as specified in the RPF's letter of December 13, 1993 to CDF (copy appended).
4. The addendum of December 13, 1993 includes two revised THP maps which depict existing ranch roads that will not be used during timber operations. The third map depicts the haul route.
5. The RPF has adequately responded to the concern about the Cumulative Impacts Assessment identified in the PHI report in his addendum of December 17, 1993 to CDF, copy appended.

I concur with the above Review Team Recommendations.

*By Webster
RPF #1765
1-3-94*

Received CDF
REGION 1

JAN 04 1994

RESOURCE MANAGEMENT

104
F.S. copy 1-3-94
mc

81
EXHIBIT H

SANTA CRUZ COUNTY TIMBER MANAGEMENT PLAN

ATTACHMENT 5

REQUIREMENTS AND REVIEW CHECKLIST

0637

Application No. 00-0169 Applicant D & D Ranch

Present in Plan - Date	Requirements
<u>4/11/00</u>	Prepared or approved by a Registered Professional Forester
	Maps:
<u>4/11/00</u>	<u>Geographic Location</u> (1:24,000 scale)/north arrow
<u>4/11/00</u>	<u>Natural and Cultural Features</u> (1:400 scale), including
	~ north arrow
	~ existing or proposed property boundaries
	~ Assessor's Parcel No.
	~ vegetative type and mapping (redwood, mixed evergreen, closed cone conifer, hardwood, grassland)
	~ streams and drainages
	~ springs and seeps
i	~ existing and proposed roads, trails, and landings
	~ existing and proposed structures
	~ wells, stream diversions, and water supply pipes
	~ areas covered by recommended logging systems
	~ historical structures <u>(none)</u>
	~ archaeological sites <u>(none)</u>
✓	~ geological hazards and soil mapping

105

EXHIBIT 1

81

Present in Plan - bate	Requirements	ATTACHMENT 5
	Text:	
	~ Property description, including	0638
4/11	- owners name	
	- Assessors Parcel Number	
	- size of parcel	
	- discussion of and acreage in different vegetation types	
	- site class	
	~ <u>description of previous timber harvest operations</u>	
4/11	- parcel timber harvest history	
	- append and describe approved State and County Timber Harvest Plans, including all haul routes	
	~ <u>Description of management objectives and goals</u>	
4/11	- recommended logging systems	
4/11	- present and future stand conditions	
1	- present and future growth models	
	- harvest cycles	
	- management units	
	- forest improvement	
4	- snags and downed wood inventory	
1	- ancient tree mapping (200 years+)	
name	- fish and wildlife management	
4/11	- fire protection plan	
6	- recreation	
4/11		

Present in Plan - Date	Requirements	ATTACHMENT 5
<i>none</i>	- urban interface issues	0639
<i>4/11</i>	- erosion hazard inventory and plan	
<i>none</i>	~ <u>Description of any proposed development</u>	
<i>7</i>	- extent of clustering	
	- assessment of ability to locate development on non-timbered portion of property	
	- for boundary adjustments, acreage involved	
	- roadway locations/purposes	
<i>✓</i>	- description of proposed roadway surfaces	
	~ <u>Analysis of any conflicts between proposed development and future harvesting</u>	
<i>none</i>	- loss of harvest area (acreage)	
<i>4/11</i>	- creation of conflicts along haul route	
<i>4/11</i>	- existing haul road conditions	

[Signature]
4/11/00

0640

PLANNING COMMISSION MINUTES- 4/10/02

Proceedings of the
Santa Cruz County
Planning Commission

0641

Volume 2002, Number 7
April 10, 2002

LOCATION: Board of Supervisors, County Government Center,
701 Ocean Street, Room 525, Santa Cruz, CA 95060

ACTION SUMMARY MINUTES

VOTING KEY

Commissioners: Holbert, Shepherd, Chair: Osmer, Bremner, Durkee

Alternate Commissioners: Hancock, Hummel, Messer, DeAlba

F. CONSENT AGENDAF-1. APPROVAL OF MINUTES

To approve the minutes of the February 27, 2002 Planning Commission meeting as submitted by the Planning Department.

Continue to 4-24-02 meeting and direct the secretary to review the taped proceedings and provide additional information on Item H-1 as to all of the motions made and the outcome of those motions and to review Item H-4 to determine if maker of motion and vote is correct. Bremner made the motion and Durkee seconded. Voice Vote, carried 5-0, with ayes from commissioners Holbert, Shepherd, Chair: Osmer, Bremner & Durkee.

F-2. APPROVAL OF MINUTES

To approve the minutes of the March 27, 2002 Planning Commission meeting as submitted by the Planning Department.

Continue to 4-24-02 meeting and direct the secretary to correct the motion and vote for Item H-3, which is incorrect. Bremner made the motion and Durkee seconded. Voice Vote, carried 5-0, with ayes from commissioners Holbert, Shepherd, Chair: Osmer, Bremner & Durkee.

F-3. REVIEW 2001 ANNUAL REPORT

Approved Annual Report of the Planning Commission. Bremner made the motion and Durkee seconded. Voice Vote, carried 5-0, with ayes from commissioners Holbert, Shepherd, Chair: Osmer, Bremner & Durkee.

G. CONTINUED ITEMSG-1. 99-0658 ** 530 17th AVE. SANTA CRUZ APN(S): 028-062-04

Proposal to create four single-family residential parcels and a remainder lot, and to relocate the existing dwelling to within the building envelope. Requires a Minor Land Division, a Coastal Development Permit, a Roadway/Roadside Exception to allow for a Division, a Coastal Development Permit, a Roadway/Roadside Exception to allow for a landscape center median on the access street in lieu of a separated planting strip and a Significant Tree Removal Permit to remove one 28-inch cedar tree. Property is located on the southeast corner of Matthew Lane at its intersection with the 17th Avenue, about 200 feet north from Portola Drive, at 530-17th Avenue, Live Oak.

OWNER: DODDS ROBERT M/M SS

APPLICANT: TOM CONERLY DESIGN ASSOCIATES

SUPERVISORIAL DIST: 1

PROJECT PLANNER: CATHY GRAVES, 454-3141

0642

Continued to **5-8-02** agenda for resolution of access and landscape issues. Shepherd made the motion and Bremner seconded. Voice Vote, carried **5-0**, with ayes from commissioners Holbert, Shepherd, Chair: Osmer, Bremner & Durkee.

G-2. 01-0289 * APN: 063-051-09 SITUS: PROPERTY LOCATED ON THE NORTH AND EAST SIDE OF TOWHEE DRIVE AT APPROXIMATELY 525 FEET NORTHEAST FROM QUAIL DRIVE OFF OF PINE FLAT ROAD.

Proposal to construct a two-story single family dwelling, a one-story detached garage, an access drive; to install a water storage tank, propane tank, pump house; to remove 20 trees and an area of Manzanita, and to recognize some previous land clearing. Requires a Coastal Development Permit, preliminary grading review.
Appeal filed 2-14-02.

OWNER: BONNIE BEDZTN

APPLICANT: BONNIE BEDZTN

SUPERVISORIAL DIST: 3

PROJECT PLANNER: DAVID CAKLSON

Denied appeal and upheld Zoning Administrator approval of Application **01-0289**. Holbert made the motion and Durkee seconded. Voice Vote, carried **4-1** with ayes from commissioners Holbert, Shepherd, Chair: Osmer & Durkee. Bremner voted **no**.

H. SCHEDULED ITEMS

**H-1. 01-0233 4125 PORTOLA DR SANTA CRUZ
APN(S): 033-141-20, 033-141-45, 033-141-49, 033-141-52, 033-141-53**

Proposal to amend Commercial and Coastal Development Permit 99-0263 by removing 3,005 sf of the 1st floor; reconstructing the roof structure to increase the building height to 31 feet; changing exterior walls & awnings; and reconstructing three one bedroom residential units and constructing four additional one bedroom residential units (two units require a Site Standard Exception per Section 13.10.510(f) to allow a 15' front setback) on the second story of an existing commercial building, resulting in seven residential apartments, two restaurants in 4,860 sf and retail or service uses in 9,566 sf. Property located at the northeast and southeast corners of the intersection of 41st Avenue and Portola Drive.

OWNER: STAGNARO JANET U/W ETAL

APPLICANT: STAGNARO JANET U/W ETAL

SUPERVISORIAL DIST: 1

PROJECT PLANNER: JOHN SCHLAGHECK, 454-3012

Approved application and certified environmental determination with added condition that the fencing surrounding the south parking lot shall be stucco of concrete block and appropriate landscaping shall be provided to screen wall. Bremner made the motion and Durkee seconded. Voice Vote, carried **4-0**, with ayes from commissioners Holbert, Chair: Osmer, Bremner & Durkee. Shepherd was absent.

H-2. 00-0169 NO SITUS APN(S): 110-031-23

Proposal to rezone a parcel from "SU" Special Use zone district to the "TP" Timber Production zone. Requires a Rezoning. Property located on the east side of Highway 152, between the highway and the Santa Cruz and Santa Clara County line access to the property is via Bella Vista Road.

OWNER: D & D RANCH

APPLICANT: ROY WEBSTER

SUPERVISORIAL DIST: 4

PROJECT PLANNER: CATHLEEN CARR, 454-3225

Adopted resolution recommending that the Board of Supervisors approve Application **00-0169** and certify determination that project is exempt from CEQA. Osmer made the motion and Bremner seconded. Voice Vote, carried **4-0**, with ayes from commissioners Holbert, Chair: Osmer, Bremner & Durkee. Shepherd was absent.

ATTACHMENT 7

March 27, 2002

0643

Santa Cruz County
Planning Dept.

Re: April 10 Zoning Change for Bella Vista Lane,
Watsonville, California 95076

From: Mary Beth Russell and Robert Pena
184 Bella Vista Lane,
Watsonville, CA. 95076

To Whom It May Concern:

I just received a notice of a public hearing for a possible zoning change for Bella Vista Lane, Watsonville. To even think of having our zoning changed to allow for logging is not acceptable for several reasons. First, we are a rural, residential neighborhood. If logging were to be allowed in our midst our quality of life, safety, and property values would suffer. Our road is a one lane, private, dead-end, partially paved, curvy and narrow road. It is already busy enough with the residents on the road. A car has to pull over if another is coming. The entrance onto highway 152 is not ideal. I can't even imagine a logging truck trying to get out onto the highway. Please have anyone who is to vote on this zoning change drive up here and personally inspect our road. There is no way that any type of logging vehicles will be able to safely navigate Bella Vista Lane. It would be a very dangerous situation that would put all of us who live on the road in jeopardy. Also, the noise and dust created by such an operation would be a major issue. Also of concern is that our entire neighborhood is considered to have an environmentally sensitive species/habitat that is protected by the county. A logging operation would definitely impact on the fragile ecosystem here on Bella Vista Lane.

For these reasons I am **STRONGLY OPPOSED** to any zoning changes in our neighborhood that would allow logging (or any high traffic, high impact operation), on Bella Vista Lane.

I thank you for your time. Please listen to the concerns of myself and all of my neighbors on Bella Vista Lane. I would be at the meeting in person but I cannot be off work. I am a teacher and it is difficult to get time off other than for a serious illness. Please feel free to call me if you would like more information/input.

Major Concerns

1. Road conditions on Bella Vista totally unsuitable for large vehicles (one-lane, narrow, curvy, partially unpaved, dead-end), and a dangerous hwy. 152 entrance
2. Noise and dust/quality of life and property values
3. Environmentally protected area/species would be negatively impacted
4. Rural, residential neighborhood totally inappropriate for a logging operation

ATTACHMENT 7

0644

**Please consider these issues carefully. Our safety and quality of life are at stake.
Not to mention the impact on our fragile ecosystem.**

Thankyou for letting us voice our concerns as a neighborhood.

Sincerely,

**Mary Beth Russell and Robert Pena
184 Bella Vista Lane
Watsonville, California 95076
(831)728-0734**

Cathleen Carr

From: Building Info [building_info@co.santa-cruz.ca.us]
Sent: Monday, April 01, 2002 6:42 AM
To: Cathleen Carr
Subject: FW: PROJECT PLANNER: Cathleen Carr -- rezoning and road access

0645

-----Original Message-----

From: Philip Wagner [mailto:philipwagner@sbcglobal.net]
 Sent: Monday, April 01, 2002 5:21 AM
 To: bldinfo@co.santa-cruz.ca.us
 Subject: PROJECT PLANNER: Cathleen Carr -- rezoning and road access

re: rezoning application. H-2. 00-0069 APN(S): 110-031-023
 Application to rezone in order to timber land. (See below - attached)

Dear Ms. Cathleen Carr,

I have property at 178 Bella Vista Road, Watsonville, CA. The rezoning application mentions the "use" of Bella Vista Road as "access". I protest.

1. Bella Vista Road is a PRIVATE ROAD and public access is NOT ALLOWED. No commercial traffic is ever allowed except by permission of all the residents of Bella Vista Road. The right of way is residential and limited to the existing residents, not to COMMERCIAL INTERESTS.

2. Bella Vista is a very fragile, oil & screen and cold-mix asphalt road. The road is maintained by the community at our expense and time. Three or four times a year we have a work party and patch holes with a ton or two of cold-mix asphalt. Also there is a very old water system line that runs down the road and could easily be damaged with more traffic. We don't want to be damaged by commercial trucks breaking up the road.

3. I've heard, there may be another access to the subject land to be timbered. Therefore, the lumbering company should use this other access.

Thank you for your consideration,

Philip Wagner

REFERENCE TO ZONING PERMIT APPLICATION:

Public Hearing
 April 10, 2002 at 9:00 a.m.
 Board of Supervisors Chambers
 County Government Center
 701 Ocean Street, Room 525
 Santa Cruz, CA 95060

Summary

H-2. 00-0069 APN(S): 110-031-023

Proposal to rezone a parcel from "SU" Special Use zone district to the "TP" Timber Production zone. Requires a Rezoning. Property located on the east side of Highway 152, between the highway and the Santa Cruz and Santa Clara County line access to the property is via Bella Vista Road.

CWNER: D & D Ranch

FPPLICANT: Roy Webster

SUPERVISORIAL Dist: 4

PROJECT PLANNER: Cathleen Carr, (831) 454-3225

County Information

To: philipwagner@sbcglobal.net
Subject: Timber rezoning application 00-0169

0646

The property owner does not plan to use Bella Vista Road for any timber operations. they have access via their larger property into the watsonville area near Casserly Road. Bella Vista Drive was used in the description as this most accurately describes the location of the property and access for the lay person and/or Planning Commissioners. My apologies for any confusion or upset that this description has created.