



COUNTY OF SANTA CRUZ

PLANNING DEPARTMENT

701 OCEAN STREET - 4TH FLOOR, SANTA CRUZ, CA 95060
(831)454-2580 FAX (831)454-2131 TDD (831)454-2123

TOM BURNS, PLANNING DIRECTOR

July 6, 2007

Planning Commission
County of Santa Cruz
701 Ocean Street
Santa Cruz, CA 95060

Agenda Date: July 25, 2007

APN: 099-061-05

Application: 07-0093

Item #: 9

Subject: A public bearing to consider a proposal to rezone a single lot of record from the Residential Agriculture (RA) zone district to the Timber Production (TP) zone district.

Members of the Commission:

On February 22, 2007, the County Planning Department accepted this application to rezone a vacant parcel totaling about 9.982 acres from the Residential Agriculture (RA) zone district to the Timber Production (TP) zone district.

Background and Discussion

This project qualifies for a rezoning under California Government Code Section 51113.5 "Petition by owner to add to timberland production zone." This section allows a property owner with TP-zoned land to petition the County to rezone contiguous land not zoned TP to the TP zone. The only requirements for this type of rezoning are that the parcels must meet the definitions of Government Code Section 51104(f), (g) and (h)¹. The County may not place any additional requirements on this petition to rezone the property to TP.

In accordance with Section 51113.5 of the State Government Code, the project meets the following criteria for rezoning to Timber Production:

- The property is contiguous with property zoned Timber Production under the ownership of one person, as defined in Section 38106 of the Revenue and Taxation Code (Exhibit C).

¹ Government Code Section 51104

(f) "Timberland" means privately owned land, or land acquired for state forest purposes, which devoted to and used for growing and harvesting timber, or for growing and harvesting timber, or for growing and harvesting timber and compatible uses, and which is capable of growing an average annual volume of wood fiber of at least 15 cubic feet per acre.

(g) "Timberland production zone" or "TPZ" means an area which has been zoned pursuant to Section 51112 and 51113 and is devoted to and used for growing and harvesting timber, or for growing and harvesting timber and compatible uses, as defined in subdivision (h).

(h) "Compatible use" is any use which does not significantly detract from the use of the property for, or inhibit, growing and harvesting timber, and shall include, but not be limited to, any of the following, unless in a specific instance such a use would be contrary to the preceding definition of compatible use:

(1) Management for watershed.

(2) Management for fish and wildlife habitat or hunting and fishing.

(3) A use integrally related to the growing, harvesting and processing of forest products, including but not limited to roads, log landings, and log storage areas.

(4) The erection, construction, alteration, or maintenance of gas, electric, water, or communication transmission facilities.

(5) Grazing.

(6) A residence or other structure necessary for the management of land zoned as timberland production.

- The property is timberland, as it is capable of producing an average of 15 cubic feet of timber per acre annually (Exhibit E).
- The uses on the parcel comply with the Timber Production Zone uses set forth in Section 13.10.372.

This project qualifies for a statutory exemption in accordance with the California Environmental Quality Act and the County Environmental Review Guidelines (Article 17, Section 1703).

Conclusion

All of the criteria have been met for rezoning the subject parcel to the Timber Production zoning designation. All required findings can be made to approve this application pursuant to California State Government Code Section 51113.5.

Recommendation

It is recommended that the Commission adopt the Resolution (Exhibit A) recommending approval of Application 07-0093 to the Board of Supervisors, and recommending that the Board adopt the Ordinance rezoning the property to the TP zone district.

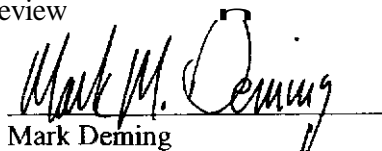
EXHIBITS

- A. Planning Commission Resolution, with Ordinance/ Findings
- B. APN map
- C. Location, Current Zoning and General Plan Designation and Ownership maps
- D. Notice of Exemption from CEQA
- E. Timber Stocking Analysis, prepared by Roy Webster, Registered Professional Forester, dated February 21, 2007


Maria Perez
Project Planner

Development Review

Reviewed By:


Mark Deming
Assistant Planning Director

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

RESOLUTION NO. _____

On the motion of Commissioner
duly seconded by Commissioner
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. 07-0093, involving property located on the west side of a private road (sign at 171 Olson Road) about 0.17 miles from the intersection of Soquel-San Jose Road and Olson Road, 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 Residential Agriculture (RA) zone district to the Timber Production (TP) 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.

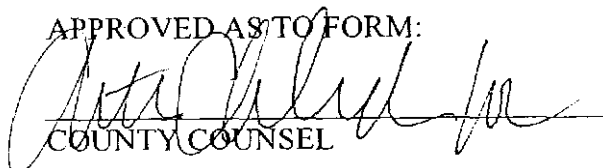
PASSED AND ADOPTED by the Planning Commission of the County of Santa Cruz, State of California, this _____ day of _____, 2007, by the following vote:

AYES: COMMISSIONERS
NOES: COMMISSIONERS
ABSENT: COMMISSIONERS
ABSTAIN: COMMISSIONERS

Chairperson

ATTEST: _____
MARK DEMMG, Secretary

APPROVED AS TO FORM:


COUNTY COUNSEL

ORDINANCE NO. _____

**ORDINANCE AMENDING CHAPTER 13
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 1

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 timber resource property located on the west side of a private road (sign at 171 Olson Road) about 0.17 miles from the intersection of Soquel-San Jose Road and Olson Road; finds that the zoning to be established herein is consistent with all elements of the Santa Cruz County General Plan and the Santa Cruz County Code, as modified by the *Big Creek* decision; and finds and certifies that the project is subject to a statutory exemption under the California Environmental Quality Act.

SECTION II

The Board of Supervisors hereby adopts the Zoning Plan Amendment as described in Section 111, and adopts the 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
1. The proposed zone district is appropriate for the level of utilities and community services available to the land; and
2. 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; and
3. The property meets the requirements of Government Code section 51113 or 51113.5 and County Code Section 13.10.375(c).

SECTION 111

Chapter 13.10 - Zoning Regulations of the Santa Cruz County Code is hereby amended by amending

Section 13.10.210 - 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>
099-061-05	Residential Agriculture (RA)	Timber Production (TP)

SECTION IV

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

PASSED AND ADOPTED THIS ____ day of _____ 2007, by the Board of Supervisors of the County of Santa Cruz by the following vote:

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

Chairman of the Board of Supervisors

ATTEST: _____
Clerk of the Board

APPROVED AS TO FORM:

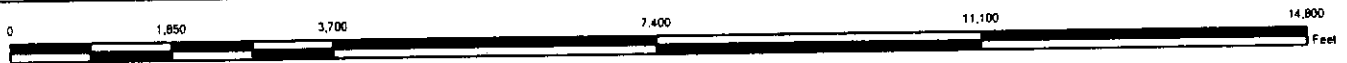
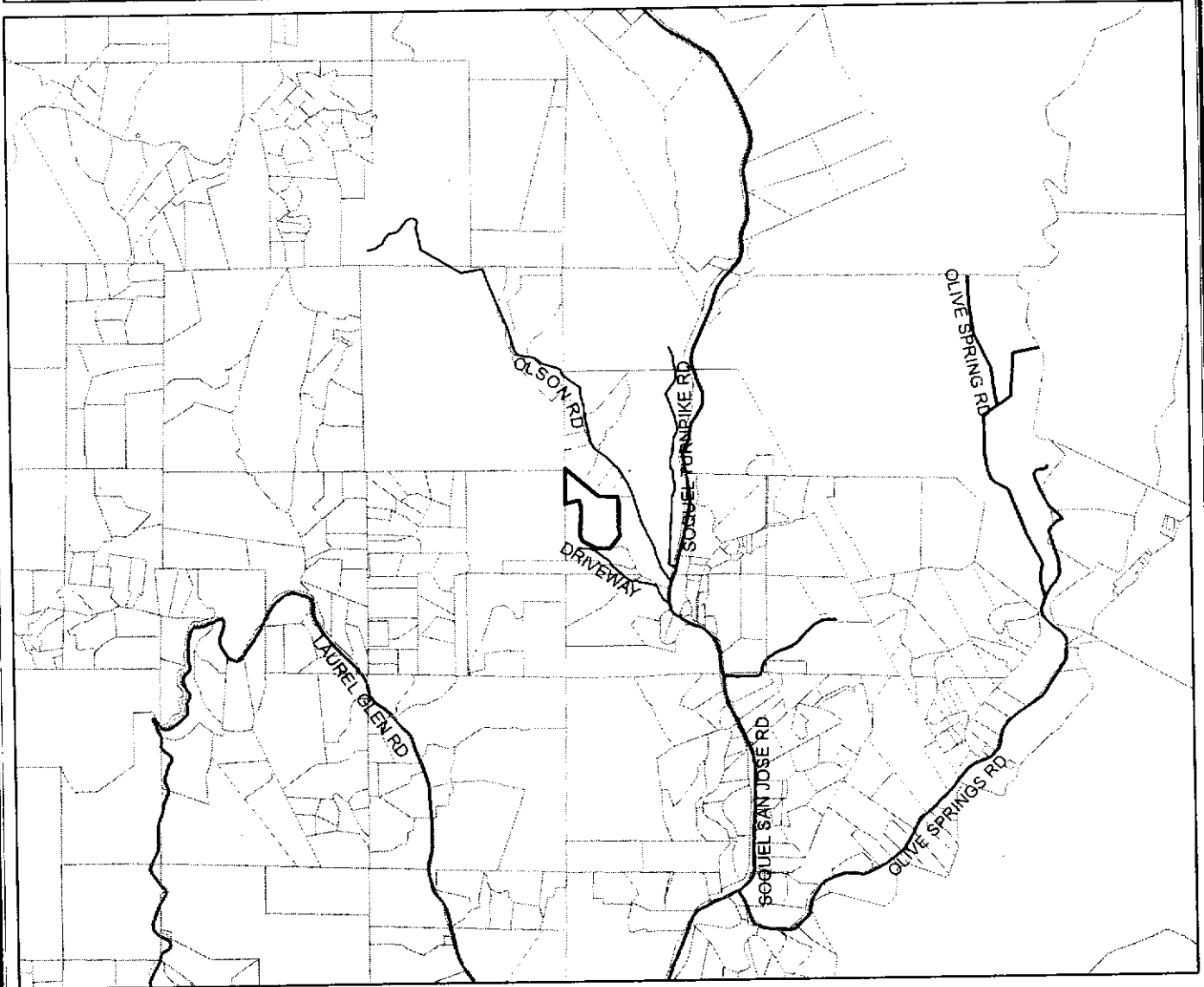

Assistant County Counsel

Exhibit: Rezoning Maps





DISTRIBUTION: County Counsel
Planning
Assessor
County GIS

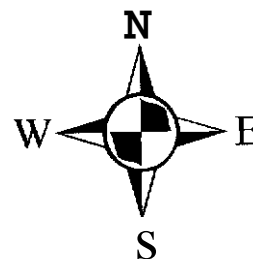


Location Map



Legend

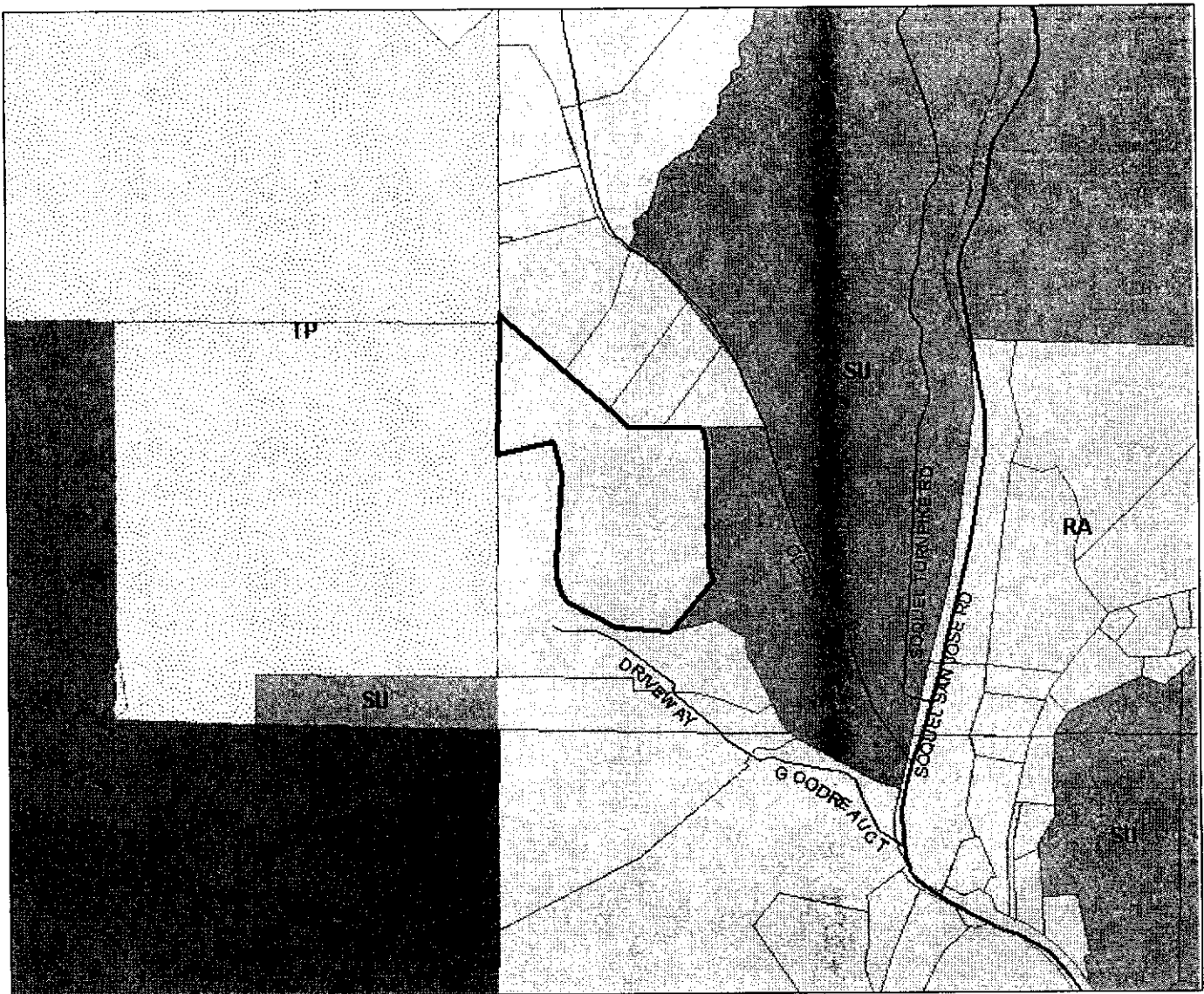
-  07-0093 Subject Parcels
-  Streets
-  Assessors Parcels
-  Major Roads










Map Created by
County of Santa Cruz
Planning Department
May 2007

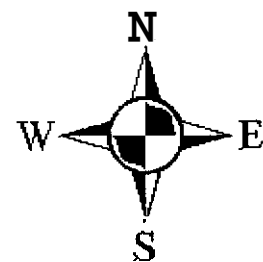


Zoning Map



Legend

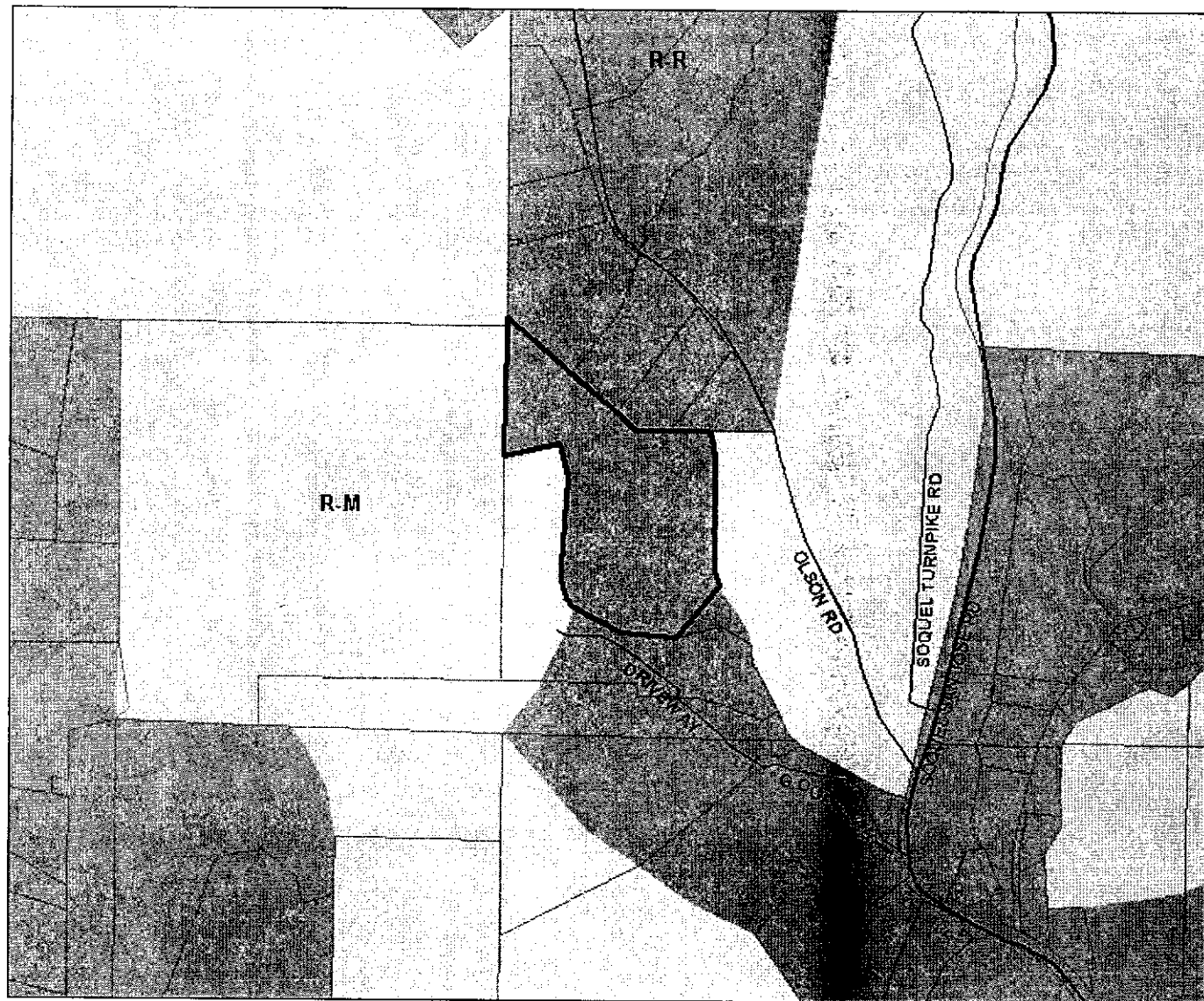
-  07-0093 Subject Parcels
-  Streets
-  Assessors Parcels
-  TIMBER PRODUCTION (TP)
-  AGRICULTURE RESIDENTIAL (RA)
-  SPECIAL USE (SU)
-  AGRICULTURE (A)








Map Created by
County of Santa Cruz
Planning Department
May 2007

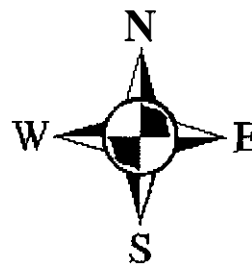


General Plan Designation Map



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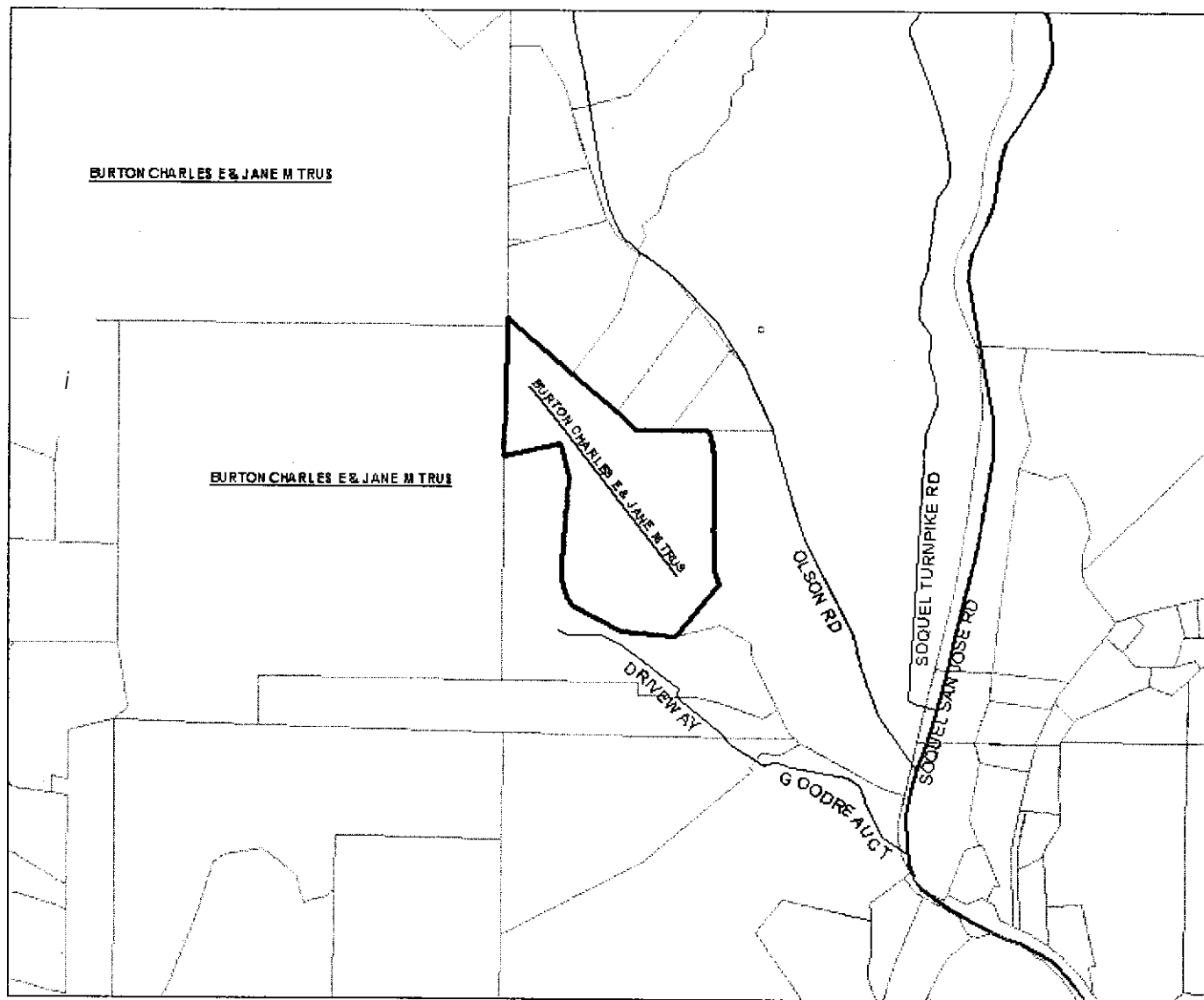
-  07-0093 Subject Parcels
-  Streets
-  Assessors Parcels
-  Residential-Rural (R-R)
-  Residential-Mountain (R-M)






Map Created by
County of Santa Cruz
Planning Dept
May 2007

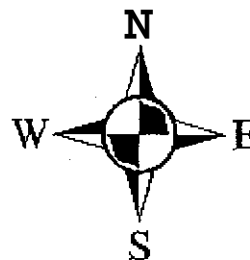


Ownership Map



Legend

-  07-0093 Subject Parcels
-  Streets
-  Assessors Parcels



Map Created by
County of Santa Cruz
Department
2007

CALIFORNIA ENVIRONMENTAL QUALITY ACT

NOTICE OF EXEMPTION

The Santa Cruz County Planning Department has reviewed the project described below and has determined that it is exempt from the provisions of CEQA as specified in Sections 15061 - 15332 of CEQA for the reason(s) which have been specified in this document.

Application Number: 07-0093

Assessor Parcel Number: 099-061-05

Project Location: West side of a private road (sign at 171 Olson Road) located about 0.17 miles from the intersection of Soquel-San Jose Road and Olson Road, Soquel, CA 95073

Project Description: Rezone a parcel from the Residential Agriculture (RA) zone district to the Timber Production (TP) zone district

Person or Agency Proposing Project: Dick Burton

Contact Phone Number: 831-475-5132

- A. ☐ The proposed activity is not a project under CEQA Guidelines Section 15378
- B. ☐ The proposed activity is not subject to CEQA as specified under CEQA Guidelines Section 15060 (c).
- C. ☐ **Ministerial Project** involving only the use of fixed standards or objective measurements without personal judgment.
- D. ☒ **Statutory Exemption** other than a Ministerial Project (CEQA Guidelines Section 15260 to 15285).

Specify type: **15264. Timberland Preserves**

E. ☐ **Cateeorical Exemption**

Specify type:

F. Reasons why the project is exempt:

The adoption of timberland preserve zones by local agencies is exempt under Government Code Sections 51100 et seq. (Gov. Code, Sec. 51119).

In addition, none of the conditions described in Section 15300.2 apply to this project.

Maria Perez, Project Planner

Date: 7/3/07

Attached are documents for review relevant to the rezoning of:

Santa **Cruz** County APN **99-061-05** to TPZ

Owner: Charles E. and Jane M. Burton
717 Olson Rd.
Soquel, CA **95073**

831 475 8284

The property is presently part of a Nonindustrial Timber Management Plan:

1-97NTMP-050 SCR

Relevant portions of the Plan **are** attached. These address topics described by

Robin Bolster-Grant during a phone conversation around Feb. **15,2007**. Included are:

- Cover sheet, statement by Forester Roy Webster **REF 1765**
- Description of parcels of the NTMP including adjacent TPZ properties p2
99-061-01 TPZ
99 01 1-09 TPZ
- Description of Management Unit #4 (which is the subject parcel) p5
- Growth, yield (stocking stds) p8
- Location map p16.2
- Management **Units** Map
- General description
- Tax map

The property is presently vacant. Present use under the NTMP is **timber** production.

This request is made by :

On behalf of:

Dick Burton
620 Olson Rd.
Soquel, CA **95073**

8314755132

Charles E. **Burton**
717 Olson R d
Soquei, CA **95073**

8314758284

NON-INDUSTRIAL TIMBER MANAGEMENT PLAN

BURTON TREE FARM NTMP

NTMP# 1-97NIMP-020 SCR

Date Rec'd 5/7/97

Dated filed MAY 16 1997

Date Approved AUG 01 1997

This Non-Industrial Timber Management Plan (NTMP) is designed to comply with the Forest Practice Act (Public Resources Code 4593-4594.7) and Forest Practice Rules (California Code of Regulations 1090-1090.27).

1. Timberland Owner: Charles and Jane Burton (831)
Address: 717 Olson Road
City: Soquel State: CA Zip: 95073 Phone: 408-475-8284
2. Timber Owner: Charles and Jane Burton
Address: same as above
City: State: Zip: Phone:

As the Plan Submitter and Landowner, I hereby certify that I have participated in the preparation of this Non-Industrial Timber Management Plan, that I have knowledge of its contents, and that I understand and accept the responsibilities of the Plan Submitter under CCR 1090.9

Jane Burton
Jane Burton

May 4, 1997
Date

3. RPF preparing the NTMP: Roy Webs —
Address: ~~132 Rancho Del Mar~~
City: Aptos State: CA Zip: 95010

Capitola, CA 95010 (831)
phoned (408) 462-6237
(per letter 7/2/97)

2590 E. Cliff Dr.
Santa Cruz, CA

RPF 1765

I am the Registered Professional Forester who prepared this Non-Industrial Timber Management Plan for the Burton Tree Farm and am responsible for the accuracy and completeness of its Contents. 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.

Roy Webster
Roy Webster

4/30/97
Date

RECEIVED

MAY 07 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

This unit is bisected by the west branch of Soquel Creek, a Class 1 watercourse. Steelhead trout have been observed in this watercourse, with historical populations of coho salmon present in this watercourse (according to the Dept. of Fish and Game).

Management Unit #2 encompasses the majority of the Burton property located immediately upslope from the west branch of Soquel Creek. This unit covers approximately 37 acres which was harvested in 1977 under THP# 5-77-12 SC and again in 1995 under THP# 1-94-342 SCR. This area was harvested under single tree selection silviculture using ground-based equipment for both timber harvests. As a result, all roads, landings, and skid trails are existing for future timber management activities. A portion of the WLPZ for Soquel Creek is included in this unit. This area is also used as a recreational area by the neighboring Girl Scout Camp as per an agreement with the Burtons. Recreational activities include hiking, camping, and horseback riding.

Slopes in this unit generally run between 30 and 50% with steeper slopes found near Soquel Creek and at the west edge of this unit. Timber found in this unit is mainly second growth redwood with scattered Douglas fir. In the northern portion of this unit Douglas fir does become more prevalent. The fir found in this area is of very poor quality and was targeted for removal under the 1995 harvest. Many of these firs were removed but not all of them so as to meet the stocking standards of the local Forest Practice Rules.

Management Unit #3 is the largest unit on the Burton Tree Farm encompassing approximately 82 acres. The unit was harvested using the single tree selection silvicultural method in 1977 with Management Unit #2. Ground-based equipment was also used for the 1977 harvest in this unit. One seasonal road is proposed in this unit to access all portions of the unit and to keep all haul roads within the property. The 1977 harvest used roads through adjacent lands to access the property, said access being no longer feasible nor desirable. The proposed layout accesses not only this unit but also units 2 and 4, reducing the amount of road construction involved.

Within this unit, there is a small pocket of second growth redwood and Douglas fir. Smaller pockets of Douglas fir with mixed hardwoods and smaller pockets which are heavy to Douglas fir are also found within this unit. Slopes within the unit vary from 25% on ridgetops to 65% on some steeper sideslopes. A number of Class 3 watercourses are also found within this unit.

Management Unit #4 is a small unit located in the southeast corner of the Burton Tree Farm. The unit encompasses approximately 12 acres located adjacent to the west branch of Soquel Creek. This unit contains the balance of the area located within the WLPZ. Over half of the unit is located on flat ground with steeper slopes found as one moves further away from Soquel Creek. This unit has not been harvested since the turn of the century. Second growth redwood and Douglas fir is found throughout the majority of the unit. A small pocket of Douglas fir with mixed hardwoods is also found within this unit. This unit also contains the main haul road from which all timber harvested on the Burton Tree Farm shall be removed. This road was installed under THP# 1-94-342 SCR, as well as a bridge over Soquel Creek to access Olson Road. The bridge is a permanent bridge, constructed on a railroad flatcar, engineered to withstand a 100 year flood event.

RECEIVED

MAY 07 1997

COAST AREA OFFICE
RESOURCE MANAGEMENT

GROWTH AND SUSTAINED YIELD

As described in other portions of this NTMP, timber management activities began in 1977 with a selective harvest which removed a little more ~~than~~ one million board feet of redwood and Douglas fir. This harvest opened the stand to a point that ~~stump~~ sprouts have started a second age class in the stand. Observations of these sprouts in the field showed that these sprouts are now any where from 10 to 35 feet in height. Therefore, most of the Burton Tree Farm is approaching a ~~stand structure similar~~ to the conventional inverse J curve, but additional age classes need to be created to bring the stand closer to this curve. Management Unit #2 is the only exception to this where ~~timber~~ harvesting occurred in 1995. Because of this harvest, three distinct age classes are found in this unit: (1) 80-90 year old second growth redwood, (2) 20 year old small poles, (3) 1 year old stump sprouts from the most recent harvest.

Growth has been determined through boring of standing timber in the various management units. Growth in Management Unit #2 was determined by measuring the last ten years growth from the stumps of trees harvested in 1995. Growth varied in the different management units as shown in the table provided below.

Unit	Acres	Volume/acre	Growth/acre/year	Total Growth	% Growth
1	11	-40,000	-400	-3,200	1.0
2	40	17,662	329	13,061	1.9
3	71	32,760	612	43,513	1.9
4	12	19,963	369	4,428	1.8

guidelines are in the form of recommendations. Each unit has a number of goals which could be met on a sustained yield basis. This information is discussed in Section II where each individual management unit is discussed in greater detail. In summary, each management unit will be harvesting less than growth and maintaining the sustained yield concept over time.

Maximum Sustained Production (MSP) of high quality timber products will be achieved by following the guidelines in this NTMP in perpetuity. 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 per acre 18 inches DBH or greater of full crown, capable of seed production, and representative of the best phenotypes available in the preharvest stand will be left; (2) minimum stocking and basal area standards for the selection silvicultural system will be met with Group A species; and (3) All associated forestland resources such as air, soil, fish and wildlife, water resources and other public trust resources will be protected through the application and adherence to the Forest Practice Rules and the specific additional measures specified in this plan.

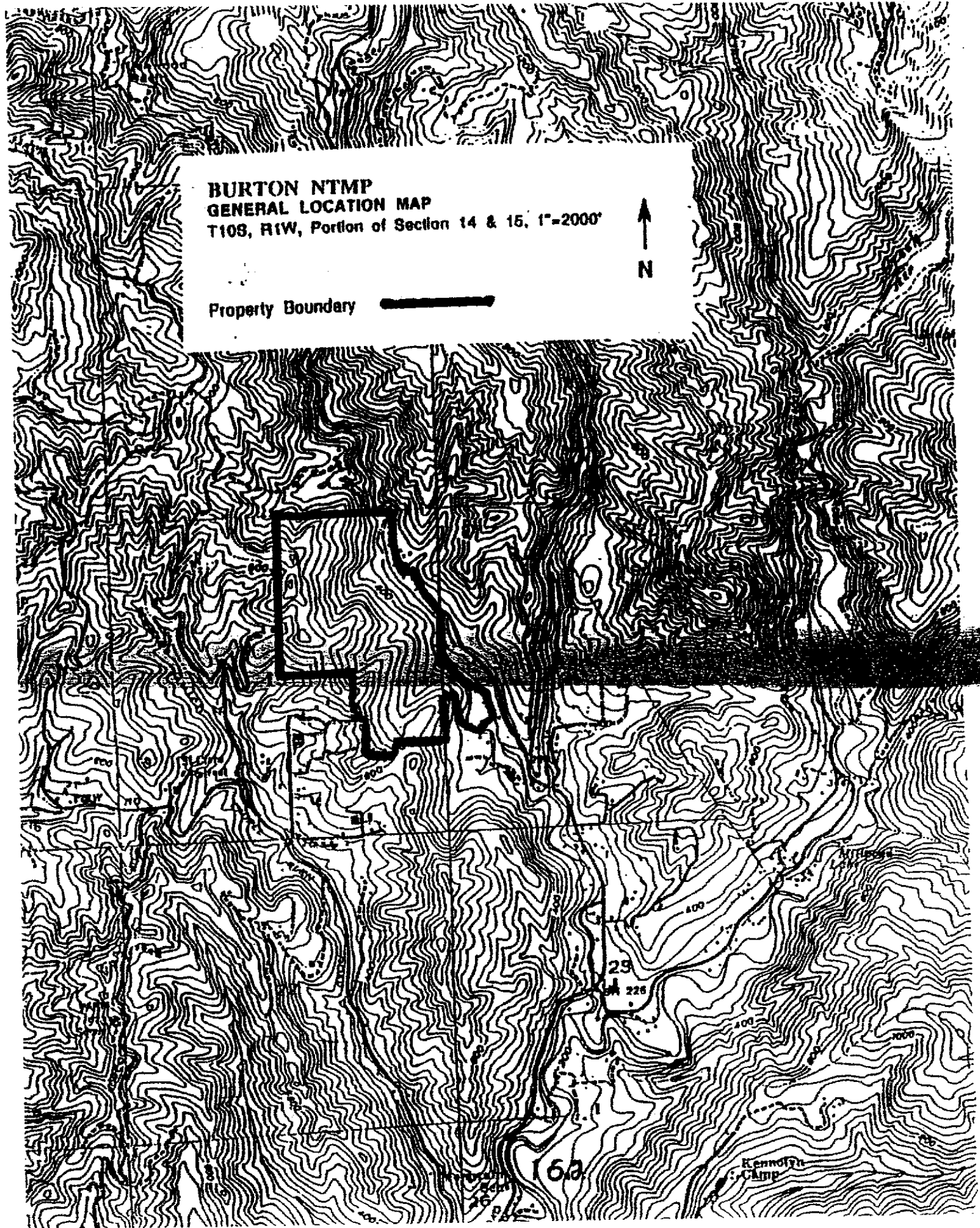
HARDWOODS

Hardwoods have not been intensively managed on the Burton Tree Farm mainly because of the lack of suitable and economic markets for these species. Past management of the hardwood species found on the property (madrone, tanoak, and coast live oak) has been limited to personal fuelwood use and removal of hardwoods during commercial conifer harvests which were damaged beyond recovery. During the 1995 timber harvest, damaged

**BURTON NTMP
GENERAL LOCATION MAP**
T108, R1W, Portion of Section 14 & 15, 1"=2000'



Property Boundary



Burton NTMP

Management Units Map

Quadrangle:
LAUREL

T10S, R1W, Sections 14 & 15

MOBM

Contour Interval: 40 feet

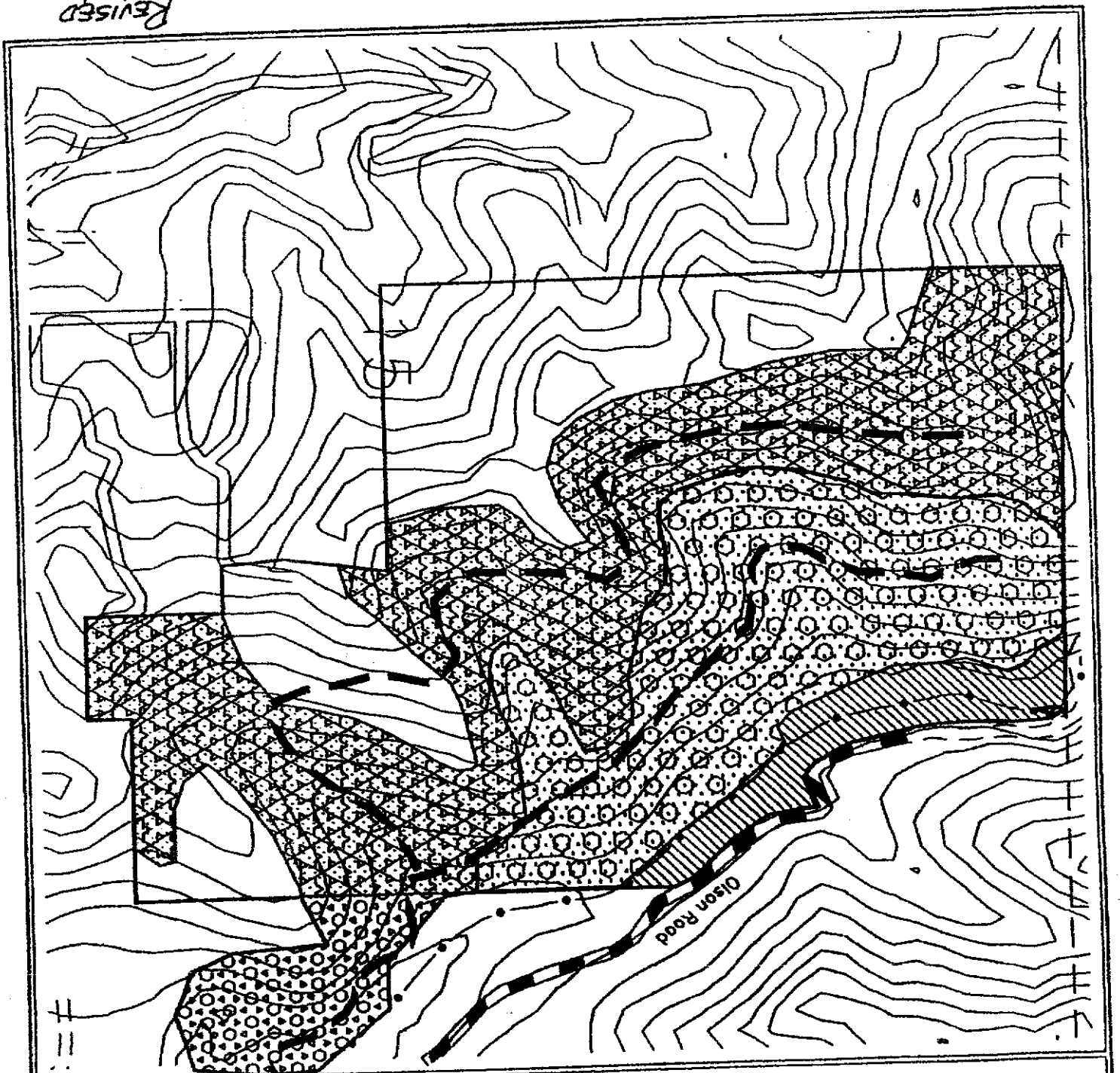
Scale: 1 inch = 600 feet

- Property Line
- Main roads
- Existing Perm. Road
- Watercourse, Class 1
- Unit 1
- Unit 2
- Unit 3
- Unit 4



Webster and Associates
1325 Rodeo Drive
Aptos, CA 95003

JPA 3-27-97



Revised

MANAGEMENT UNIT #4

General Unit Description

Management Unit #4 is 12 acres in size and encompasses the eastern most parcel in the Burton Tree Farm. The area is known as "Redwood Park" by the Burtons and is used by them and neighboring landowners for recreational purposes. These activities include hiking, biking, and horseback riding.

Slopes in this unit generally run between 10 and 25% with steeper slope found near the western portion of the unit. Lesser slopes are found throughout the unit down to the bridge at site "B" (see unit map). Timber found in this unit is mainly second growth redwood with scattered Douglas fir. In the northwest portion of this unit Douglas fir becomes a greater component of the stand on approximately 5 acres of the 12 acre unit. Redwood with scattered hardwoods are found in the remaining portion of the unit.

Stand Management History

This unit covers approximately 12 acres which was originally harvested around the turn of the century. This harvest removed all of the old growth redwood and Douglas fir using the clearcut silvicultural method. The next harvest which occurred in this unit was in 1977 under THP# 5-77-12SC. This harvest included not only this unit but the entire Burton Tree Farm. This harvest used the single tree selection silvicultural method and ground-based equipment to remove the timber (skidders and tractors). A little over one million board feet of redwood and Douglas fir was removed from the Burton Tree Farm during this harvest. The 1977 harvest only harvested a portion of this unit (the northwest corner). The remaining portion of this unit has not been harvested since the turn of the century. The 1977 harvest was the last time this unit was entered for timber harvesting. The 1995 THP did not enter this unit. Future timber harvests will use existing flats for landing areas and use the one existing road for accessing the timber found in this unit. A 6% cruise was conducted on this unit for this NTMP in December and January of 1996/97.

Timberstand Characteristics

This unit can be divided into two general vegetation types. Approximately 7 acres of this unit is dominated by second growth redwood with occasional Douglas fir and a moderate amount of hardwoods, mainly tanoaks and coast live oak. The second vegetation type consists of approximately 5 acres found mainly in the northwest portion of the unit. This type is heavy to hardwoods with occasional Douglas fir and redwood trees found. The Douglas fir found in the unit are fairly healthy but individuals can be found which have been infected with *Fomes pini*. Many of these firs will be targeted during future harvests in this unit.

Species Composition (trees 12" or greater DBH)

Coast Redwood	42%
Douglas fir	3%
Coast Live oak	36%
Tanoak	11%
Madrone	8%

Approximately two age classes are found in the redwood and Douglas fir stands. The first age class is approximately 90 to 100 years. This is the second growth stand which resulted

only road which will be used to access the timber in this unit. One landing is proposed. Logs will be skidded via ground-based equipment on existing flats to the one landing.

Timber Management Objectives

The objectives for this unit involve managing the unit over time to realize a continuous flow of timber products in perpetuity using the selection silvicultural method. Recreational uses are important in managing this unit because of the adjacent Girl Scout Camp as well as use of the area by other individuals in the area. This unit is used by the Girl Scout Camp and other members of the general public with permission by Mr. Burton for hiking, camping, and horseback riding. The Allowable Harvest section of this NTMP will show how these objectives can be met while maintaining sustained yield over time.

Removal of defective Douglas fir prior to loss of significant volume is also an objective for this stand. A small number of these fir shall be left for snag recruitment for wildlife purposes but many will be removed.

Allowable Harvest

Growth has been determined by numerous borings of redwood and Douglas fir throughout the unit. Based on this information, 318 BF/acre/year is growing in this unit. The unit as a whole is producing 3,816 BF annually. As stated above, the goal of the Burton Tree Farm is to remove 50% of the conifers 18 inches or greater off of this unit over the next 20 years.

Conifers selected for harvest will include those trees which are suppressed, deformed, growing at below the average stand growth rate, showing signs of insect and/or disease activity or otherwise damaged. The 1977 harvest removed a large number of these trees but they will always be targeted during marking to maintain a healthy stand. Spacing will also be a major factor in determining harvest trees. Hardwoods will not be harvested in this unit except when knocked down by the conifer harvests or damaged to a point beyond recovery. However, when and if hardwood markets improve, hardwoods would be harvested as a stand improvement measure for conifers or to convert to conifers by planting.

In general, harvesting in this unit will maintain at least 75 square feet of basal area, and will occur in cutting cycles of 15 to 20 years. However, to maintain flexibility and to take advantage of favorable markets, if they occur, harvesting may occur between 10 to 15 years. If this scenario occurs, no more than 40% of the conifers greater than 18 inches will be harvested. Harvesting which occurs on a 15 year or longer cycle shall cut no more than 50% of the conifers over 18 inches.

The next entry into this stand (the first harvest in the stand since the turn of the century) will remove approximately 50% of the conifers greater than 18 inches because it is obvious from the graph showing trees per acre by diameter class that this stand needs to be thinned to promote conifers in other diameter classes, especially the smaller diameter classes. After this harvest, an additional restriction on harvesting intensity for future entries for conifers greater than 24 inches shall be followed to promote growth of trees into larger diameter classes. In the 24 inch and greater diameter class, no more than 40% of the conifers 24 inches DBH and greater shall be harvested within a ten year period, and no more than 50% of these diameter classes should be harvested if the re-entry period is 15 years or greater (if harvesting occurs between years 11 and 14, the % intensity increases by 2% per year in this diameter class).

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Stocking

Maximum Sustained Production (MSP) of high quality timber products will be achieved by following the guidelines in this NTMP in perpetuity. 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 per acre 18 inches DBH or greater of full crown, capable of seed production, and representative of the best phenotypes available in the preharvest stand will be left; (2) minimum stocking and basal area standards for the selection silvicultural system will be met with Group A species; and (3) All associated forestland resources such as air, soil, fish and wildlife, water resources and other public trust resources will be protected through the application and adherence to the Forest Practice Rules and the specific additional measures specified in the plan. One can see from the data collected in this unit that MSP has been easily achieved. At least 35 conifers greater than 18 inches are found per acre within this unit on average and the current basal area averages 130 square feet. Additional measures have been added to this NTMP to protect forestland resources.

Burton NTMP

Unit 4 Map

Quadrangle:
LAUREL

T10S, R1W, Sections 14 & 15

MDBM

Contour Interval: 40

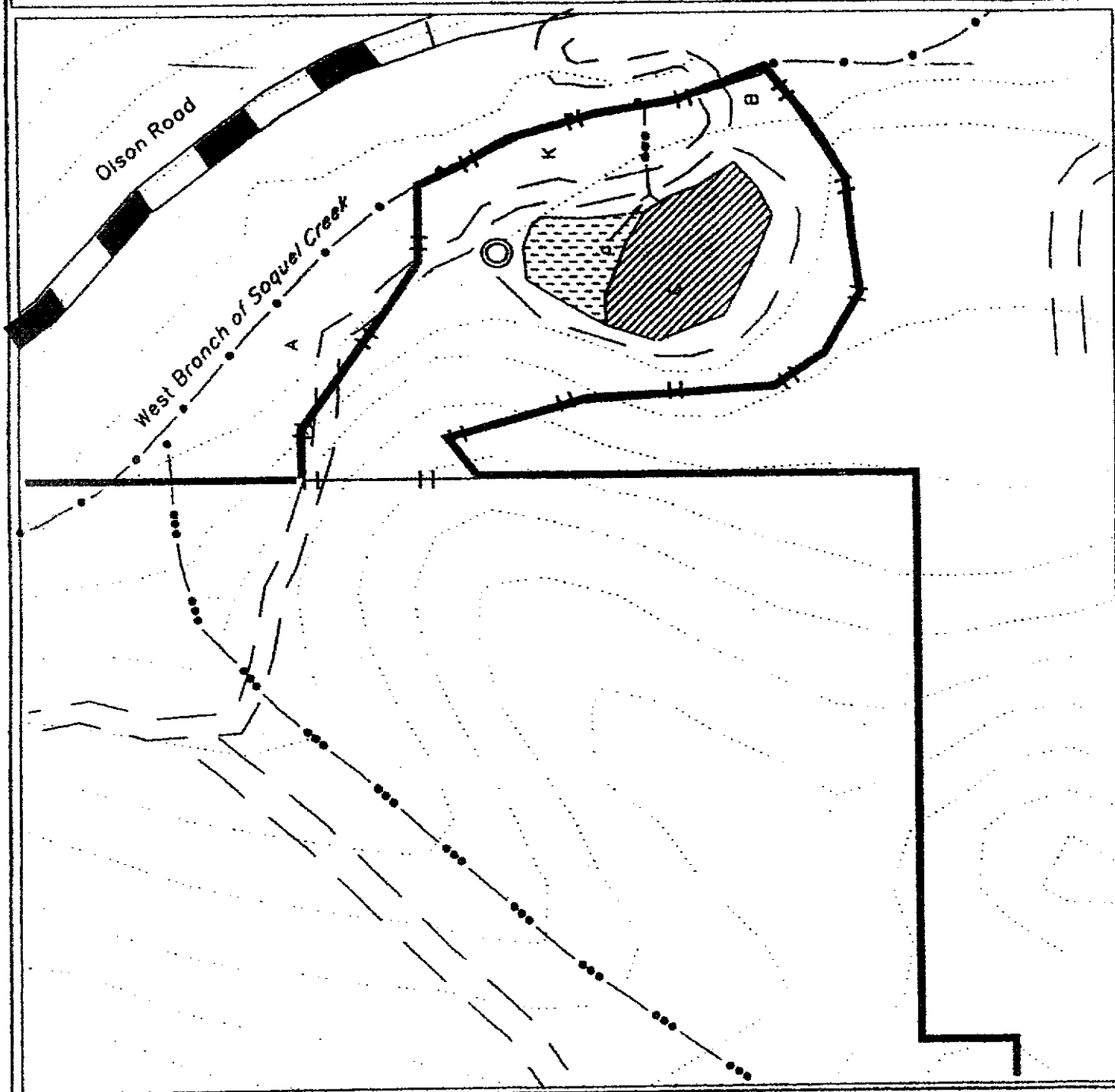
Scale: 1 inch = 250 feet

- THP Boundary
- Property Line
- Existing Perm. Road
- Watercourse, Class I
- Watercourse, Class III
- Existing Seas. Road
- Landing - Proposed
- Existing Skid Trail
- Equipment Exclusion Zone
- Operations Exclusion Zone



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JPA 03/25/97



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