PLANNING DEPARTMENT

SEAL OF THE COUNTY OF

COUNTY OF SANTA CRUZ

701 OCEAN STREET SANTA CRUZ, CALIFORNIA 95060 FAX (831) 454-2131 TDD (831) 454-2123 PHONE (831) 454-2580

GOVERNMENTAL CENTER

Alvin D James Planning Director

October 14, 1998

Board of Supervisors County of Santa Cruz 701 Ocean Street Santa Cruz, CA 95060 Agenda: October 20, 1998

RE: ANALYSIS OF SPECIAL USE "SU" ZONED PARCELS WITHOUT A TIMBER RESOURCE DESIGNATION TO DETERMINE MINIMUM PARCEL SIZE FOR TIMBER HARVESTING AND PROPOSED AMENDMENTS TO THE COUNTY'S PROPOSED FOREST PRACTICE RULES PACKAGE

Members of the Board:

On June 2, 1998, your Board considered the recommendations of staff regarding proposed Forest Practice Rules and zoning ordinances to regulate timber harvesting operations in the County. One of the directions of your Board on June 2, 1998, was for the Planning Department to prepare an analysis of Special Use (SU) zoned properties to establish a minimum parcel size for timber harvesting on those properties not designated as timber resource on the General Plan Resource and Constraint Maps. This report will present that analysis.

In addition, an update of the processing of the Forest Practice Rules will be presented, with some minor revisions to the proposed Rules for your review.

Analysis of Special Use Zoned Properties

On October 7, 1997, your Board adopted an Interim Zoning Ordinance regulating the location of timber harvesting. This ordinance limited timber harvesting operations to parcels zoned Timber Production (TP), Parks, Recreation and Open Space (PR), Mineral Extraction Industrial (M-3), Commercial Agriculture (CA), and Agriculture (A) zone districts, and in the Special Use (SU) zone district in those areas of the property that are designated as timber resource on the General Plan Resource and Constraints Maps. This ordinance, extended once by the Board, expired on April 14, 1998. Absent the Interim Ordinance, timber harvesting operations are allowed only in those zone districts which specifically allow the use, namely the TP, PR, M-3 and SU zone districts. Timber harvesting would not be allowed in the CA and A zone districts, however, your Board had directed Planning staff to process ordinance amendments to add timber harvesting as allowed uses in the CA and A zone districts. These amendments are included in the proposed policy and ordinance amendments scheduled for the Planning Commission in late October. In April 14, 1998, in response

to concerns regarding unlimited timber harvesting in the SU district, your Board adopted specific criteria to determine if timber harvesting operations proposed on SU zoned properties without the timber resource designation were consistent with the General Plan (Attachment 1). One of the criteria was parcel size. A minimum parcel size of 5 acres was established, reflecting the minimum parcel size that was eligible for rezoning to the TP zone district.

On June 2, 1998, your Board reviewed the conceptual policy and ordinance amendments to be considered in conjunction with the Board of Forestry's consideration of the County's proposed Forest Practice Rules changes. At that time, the minimum parcel size for the SU zoned properties without the timber resource designation was discussed. Instead of specifying a minimum parcel size, staff was directed to prepare an analysis of the SU parcels, surrounding parcel sizes and land uses to determine the appropriate minimum parcel size.

Staff has worked closely with the Geographic Information System staff to analyze the SU parcels without the timber resource designation. There are 1,174 SU parcels 5 acres or larger without any timber resource designation. Staff initially prepared a statistical analysis of the SU and the adjoining residential parcels (neighbors) to determine if there was a parcel size pattern that could be used as a basis for determining the minimum parcel size (Attachment 2). This large scale analysis is summarized as follows:

SU Parcel Size Class	Number in Class	Average Size of Res. Neighbors	Ave. Number of Res. Neighbors	Standard Deviation
5 to 10 acres	480	15.9 acres	7	58.5 acres
10 to 20 acres	422	20.1 acres	7	76.0 acres
20 to 40 acres	164	24.9 acres	10	84.1 acres
40 + acres	107	3 1.7 acres	11	98.7 acres

As indicated by the data above, there doesn't appear to be any discernible pattern that can be used as a basis for establishing a minimum parcel size. On the contrary, the data indicates that there is a wide range of parcel sizes throughout the County, in all parcel size classes.

Staff then prepared a more detailed analysis on a series of randomly chosen SU zoned properties in the different size classes to determine if, at a parcel level scale, there was a pattern relating parcel size and neighboring residential land use. This data is presented in Attachment 3 and a key to the Assessors land use codes used in this analysis is included as Attachment 4. As shown in these maps/tables, there is a wide range of parcel sizes and land uses surrounding the SU zoned parcels. Again, there was no discernible pattern that could be easily translated into a minimum parcel size. Staff then performed an analysis of each of these properties to determine the average size of the neighboring parcels surrounding each parcel. The following table shows the results of this analysis:

AVERAGE PARCEL SIZE OF NEIGHBORING PARCELS

5 - 10	acres	10 - 20	acres	20 - 40) acres	40 +	acres
Sample Parcel Size (acres)	Ave. Neigh. Parcel Size (acres)	Sample Parcel Size (acres)	Ave. Neigh. Parcel Size (acres)	Sample Parcel Size (acres)	Ave. Neigh. Parcel Size (acres)	Sample Parcel Size (acres)	Ave. Neigh. Parcel Size (acres)
5.64	21.46	11.92*	9.27	21.54*	9.11	48.81*	21.56
6.34	54.53	12.84	37.40	26.01	26.43	54.49*	13.59
6.78	11.51	13.98*	8.62	26.56	28.82	64.40*	6.25
8.14*	3.54	14.45	38.44	28.96	39.22	67.64*	5.24
9.37*	7.72	15.28	500.32	29.06*	26.98	76.90*	40.61
9.80*	9.03	18.13*	15.99	29.58*	5.63	51.33*	19.69
9.87	37.96	19.80*	11.59		*		B 77 77
5.35	39.11						244

The table indicates that there is a wide range of parcel sizes and averages. Those parcels marked by an asterisk indicate where the average parcel size of the neighboring parcels is less than the SU zoned parcel. All of the test parcels over 40 acres had neighboring average parcel sizes which were less than the SU zoned parcel, along with nearly half of the remaining parcels in the other size classes. Because of the wide range of parcel sizes and distribution, there appears to be no definitive way to characterize the size of the parcels and land uses in order to apply these criteria to the minimum parcel size in the SU zone district.

Staff has attempted to develop some type of threshold to distinguish certain sizes of parcels or size classes. Staff considered creating a standard based on the average parcel size of the adjoining residential parcels such as is illustrated above. The drawback to this approach, however, is that very large and very small parcels tend to skew the average dramatically (see the 5th entry under the 10-20 acre category, above). Another approach considered by staff was to base the standard on a percentage (such as 50+%) of the number of lots adjoining the SU parcel which were equal to or larger in size. The wide range of parcel sizes and odd shapes skews this approach towards the smaller parcels and would eliminate many 40+ acre parcels. Based on the work completed to date, staff has concluded that there is no clear way to determine the appropriate minimum parcel size for timber harvesting on SU zoned parcels based on surrounding parcels sizes and uses. Staff recommends that the current 5 acre minimum parcel size be retained.

Status of Forest Practice Rules Changes

Since June, your Board has received status reports on the processing of the Forest Practice Rules on September 22 and October 6, 1998. On October 5, 1998, the Forest Practice Committee, a subcommittee of the Board of Forestry, met to continue discussions on the County's Forest Practice Rules proposal. At that meeting, the County was informed that the revisions to the rule regarding the credit for trees located within the riparian and residential buffer setback areas approved by your Board on September 22, 1998, needed to be included in a 15-day Notice of Revised Rule Making in order for the revised wording to considered at the November public hearing before the Board of Forestry. Also, at the Committee meeting, various minor wording changes were suggested by Committee members, staff and the public to clarify and add specificity to the Rules. These proposed changes, as well as the credit rule already approved by your Board, are included as Attachment 5.

Staff has sent these changes to the Board of Forestry staff for inclusion in the 15-day Notice. These changes had to be delivered to Sacramento by October 9, 1998, to meet the deadlines imposed by the Office of Administrative Law. In our transmittal letter to the Board of Forestry, we indicated that we would be seeking your Board's approval on October 20, 1998. Staff is recommending that your Board approve the changes attached to this report and forward your endorsement to the Board of Forestry.

Recommendation

Staff has analyzed the SU zoned parcels and the surrounding parcel sizes and land uses as directed by your Board. Staff could find no discernible pattern that could be translated into a minimum parcel size for the SU zoned properties without the timber resource designation.

It is, therefore, RECOMMENDED that your Board:

- 1. Accept and file this report, and
- 2. Direct staff to retain the 5 acre minimum parcel size in the Special Use "SU" District criteria, and
- 3. Approve the changes to the Forest Practice Rules package as indicated in Attachment 5

Sincerely,

Alvin D. James
Planning Director

RECOMMENDED:

Susan A. Mauriello

County Administrative Officer

Attachments: 1. SU Criteria Review Checklist

- 2. Statistics on SU Parcels
- 3. Parcel Analysis: SU Zoned Properties
- 4. Assessor's Land Use Code
- 5. Proposed Revisions to the County's Proposed Forest Practice Rules

cc: County Counsel

California Department of Forestry, Central Coast Ranger Unit

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Santa Cruz Farm Bureau

Big Creek Lumber

Mark Morganthaler

Steven M. Butler

Citizens for Responsible Forest Management

Sierra Club

Summit Watershed Protection League

Valley Women's Club

J. E. Greig, Inc.

City of Santa Cruz Water Department

Roy Webster

CRITERIA REVIEW CHECKLIST

FOR DETERMINING CONSISTENCY WITH THE GENERAL PLAN OF TIMBER HARVESTING OF AREAS WITHIN THE SPECIAL USE ("SU") ZONE DISTRICT WHICH DO NOT HAVE A TIMBER RESOURCES DESIGNATION

Criteria 1: Parcel size is 5 acres or greater.

<u>Documentation</u>: Property size calculation.

Criteria 2: Slopes greater than 70 percent on a property are excluded.

<u>Documentation</u>: A slope map for the property will be required to confirm the extent of the areas on a property that meet this criteria.

<u>Criteria 3</u>: Areas within recent and/or active landslides as defined by County Code Section 16.10.040 are excluded.

<u>Documentation</u>: A map prepared by a registered geologist or engineering geologist which indicates the areas of the property affected by or containing recent or active landslides, or a letter from a registered geologist stating that there are no recent or active landslides on the property.

<u>Criteria 4</u>: Areas of a property which do not meet the minimum timber stocking standards of Public Resources Code Section 456 l are excluded.

<u>Documentation</u>: A report from a Registered Professional Forester that documents that the property or portion of the property meets the minimum timber stocking standards of Public resources Code Section 4561 and meets the productivity standard of 15 cubic feet per acre per year.

<u>Criteria 5</u>: Areas within riparian corridors, as defined by the County General Plan, are excluded.

<u>Documentation</u>: A map of the property which details the location of all perennial and intermittent streams and the required riparian corridors.

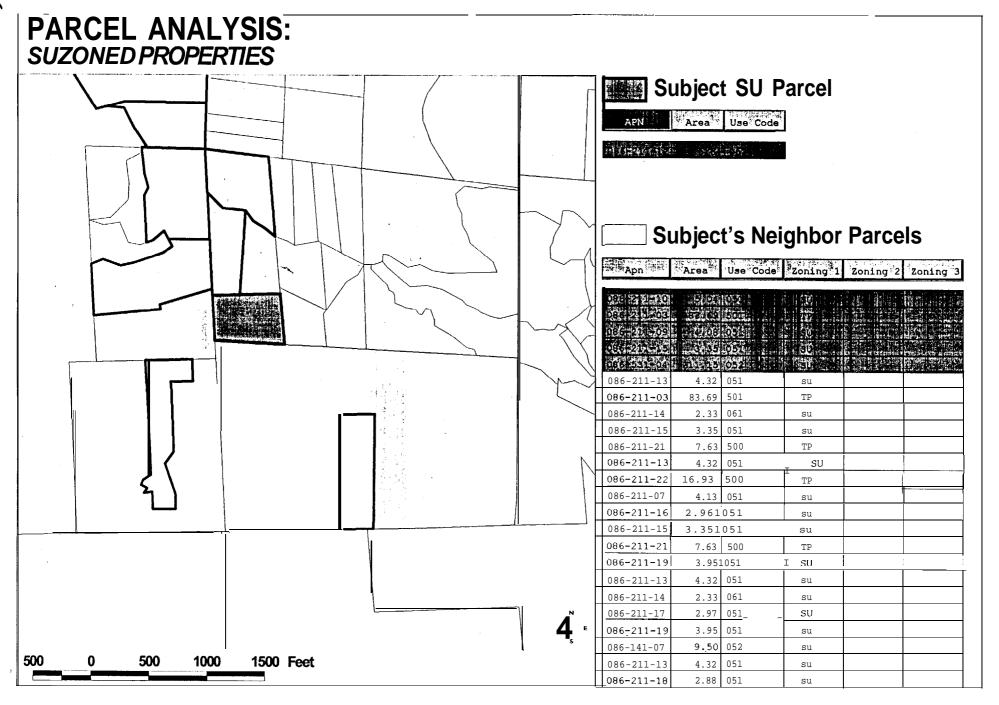
<u>Criteria 6</u>: Areas within a 200-foot buffer, measured from existing dwellings, are excluded, except as waived, in writing, by the occupant of the dwelling.

<u>Documentation</u>: A map which includes all of the existing dwellings on adjacent properties not zoned TP, the 200-foot buffer area from these existing dwellings and any areas where written waivers have been obtained reducing the 200-foot buffer area. Copies of the written waiver shall also be submitted.

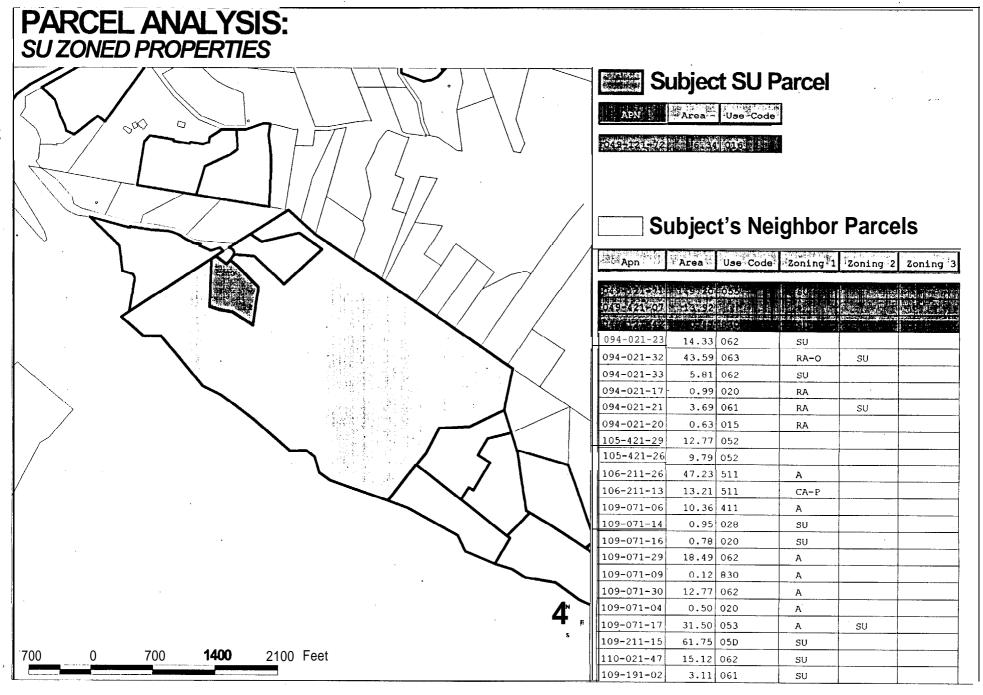
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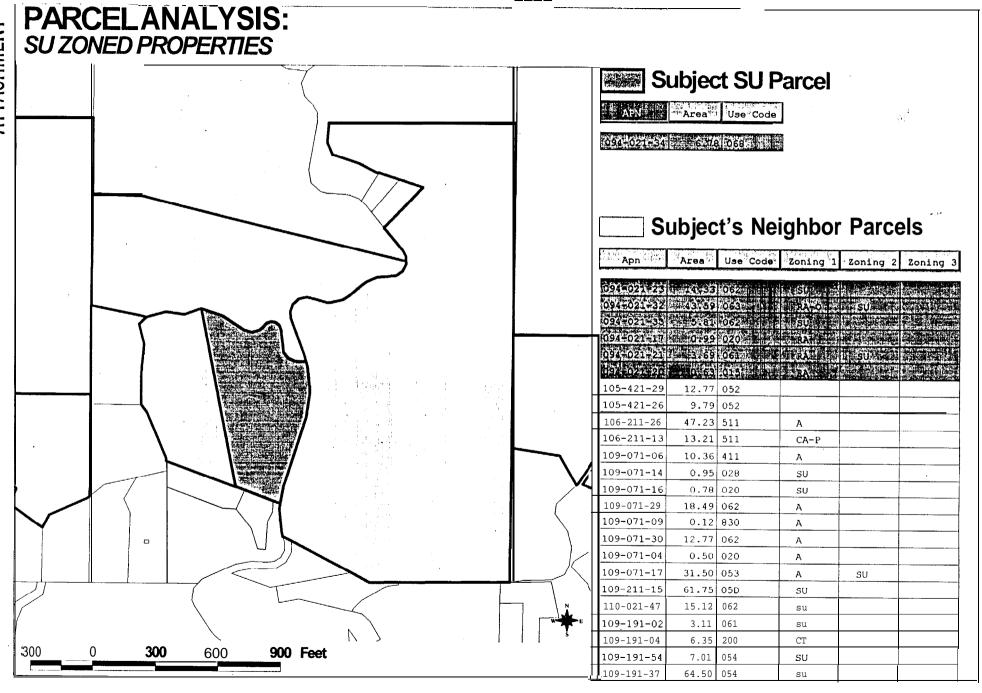
Statistics on Private SU Parcels; greater than 5 acres; which have residential neighbors; and are outside of Timber Resource Areas.

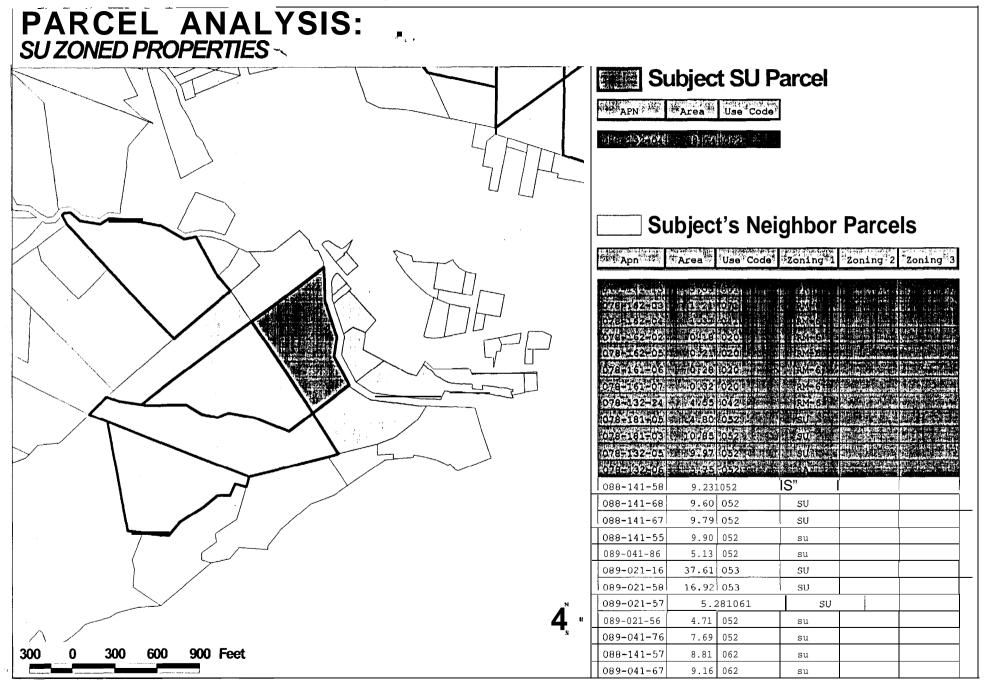
<u>STATS</u>	> 5 <= 10	> 10 <= 20	> 20 <= 40	> 40
SU Count	480	422	164	107
SU ACERAGE	3551.10	5852.39	4366.78	8709.48
SU MEAN	7.4	13.87	26.63	81.40
SU S/D	1.64	3.10	5.81	55.34
Neighbor Count	3290	3115	1563	1162
Neighbor Acres	52414.41	62520.16	38886.15	36788.30
Neighbor Mean	15.93	20.07	24.88	31.66
Neighbor S/D	58.49	75.95	84.11	98.69
Averages:				
Neighbors / SU Acres/SU	7 109.20	7 148.15	10 237.11	11 343.81



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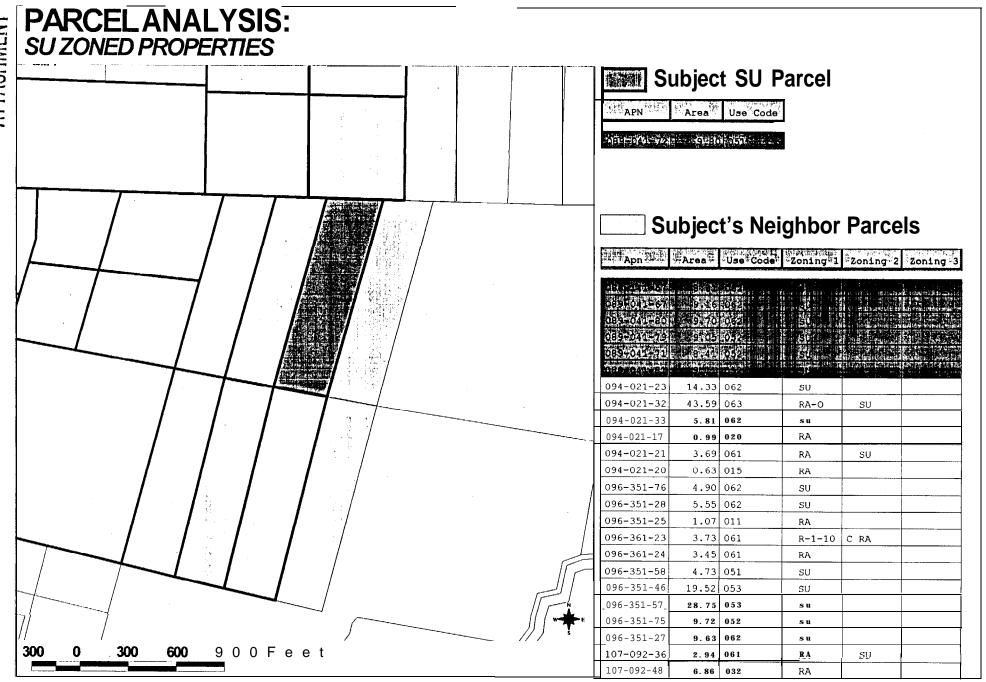
PARCEL ANALYSIS: SU ZONED PROPERTIES ATTACHMENT The state of the s 200 200 400 600 Feet

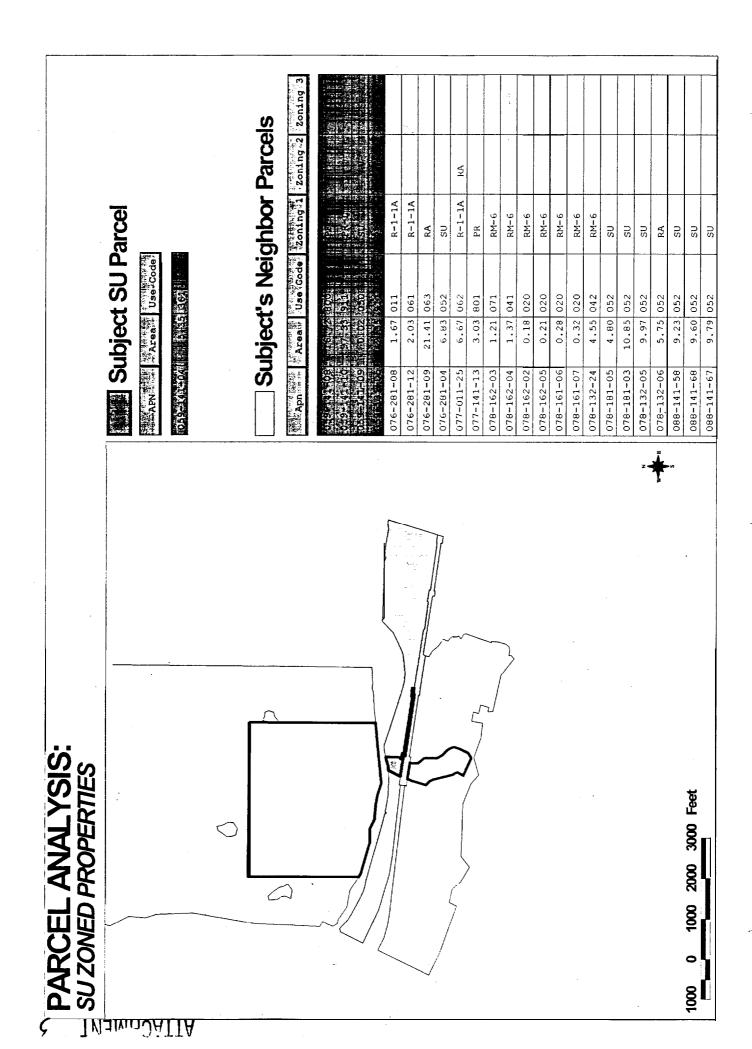
Subject SU Parcel

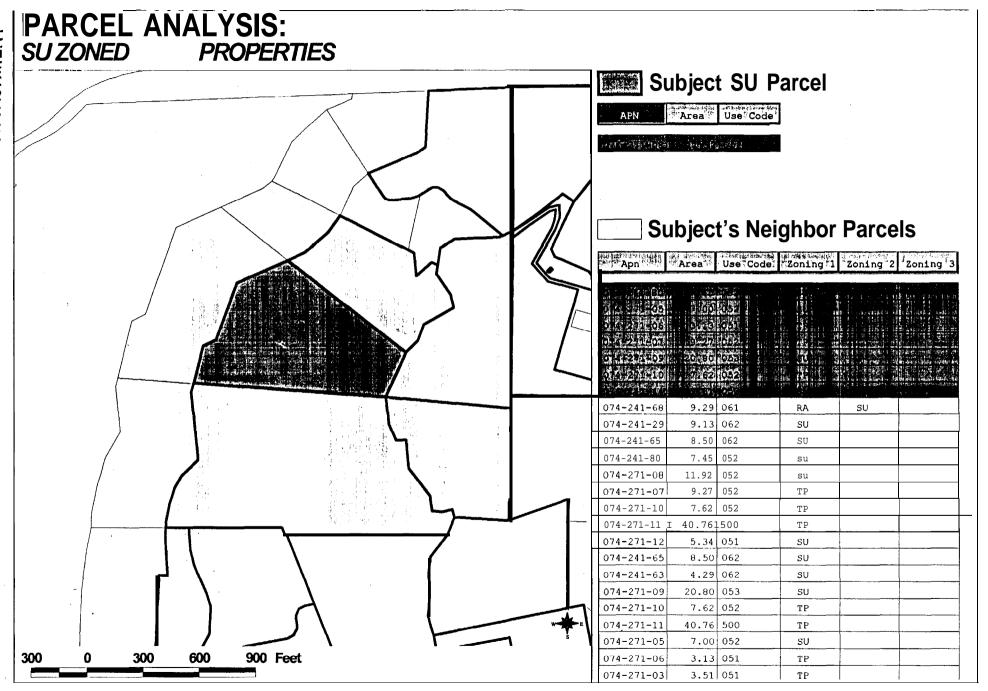
APN Area Use Code

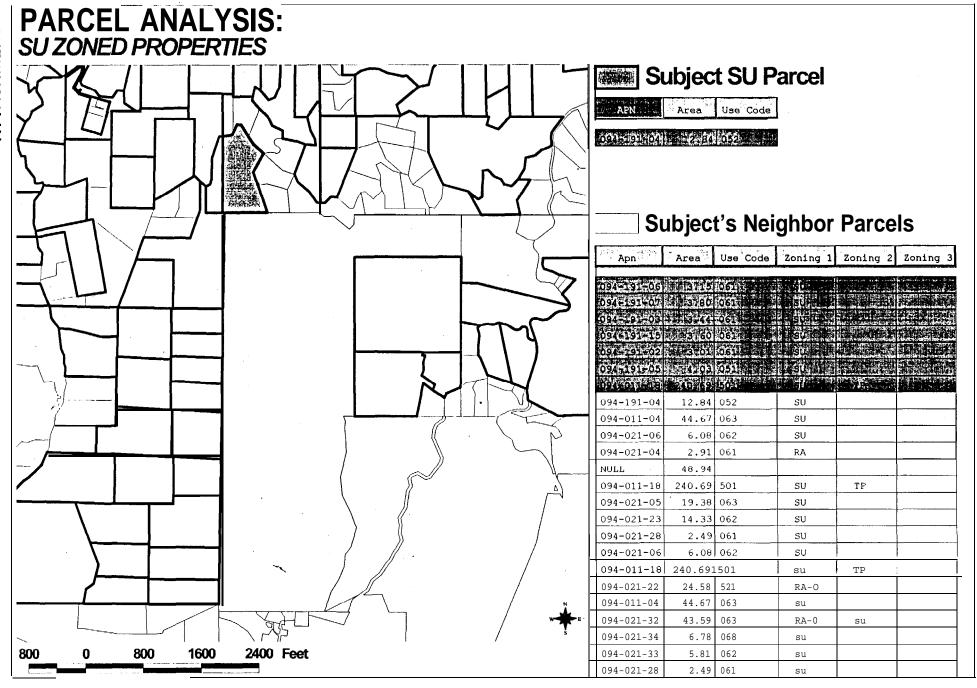
Subject's Neighbor Parcels

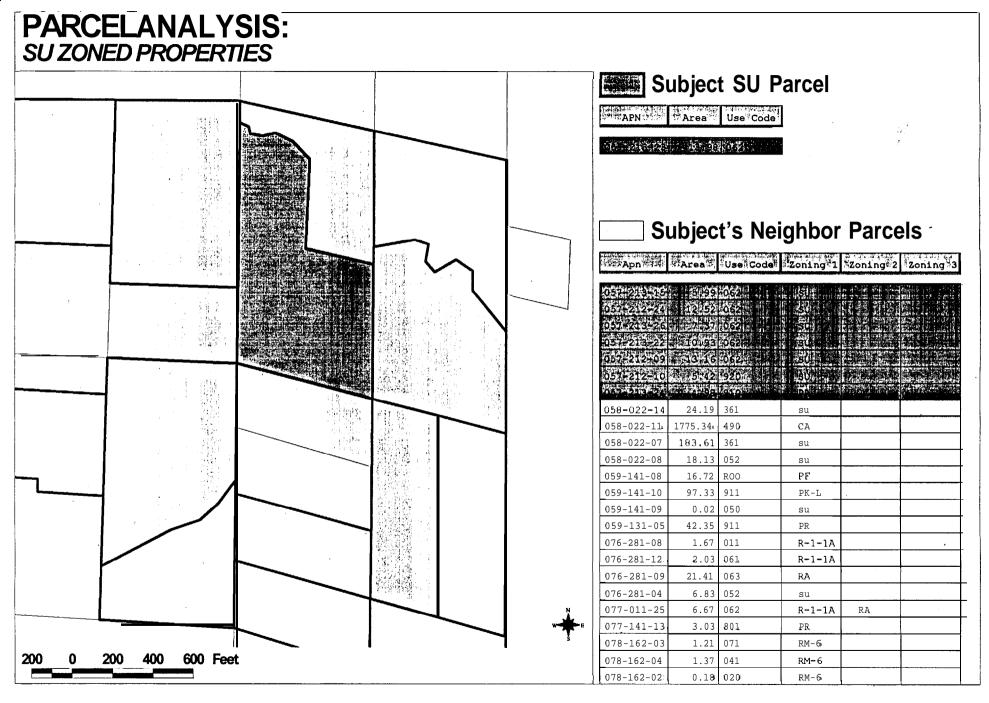
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078-162-03	1.21	071	RM-6		
078-162-04	1.37	041	RM-6		
078-162-02	0.18	020	RM-6		
078-162-05	0.21	020	RM-6		
078-161-06	0.28	020	RM-6		
078-161-07	0.32	020	RM-6		
078-132-24	4.55	042	RM-6		
078-181-05	4.80	052	su		
078-181-03	10.85	052	SU		
078-132-05	9.97	052	SU		
078-132-06	5.75	052	RA		
088-141-58	9.23	052	SU		
088-141-68	9.60	052	SU		
088-141-67	9.79	052	SU		
088-141-55	9.90	052	SU		
089-041-86	5.13	052	su		
089-021-16	37.61	053	su		
089-021-58	16.92	053	su		











PARCEL ANALYSIS: SU ZONED PROPERTIES



Subject SU Parcel

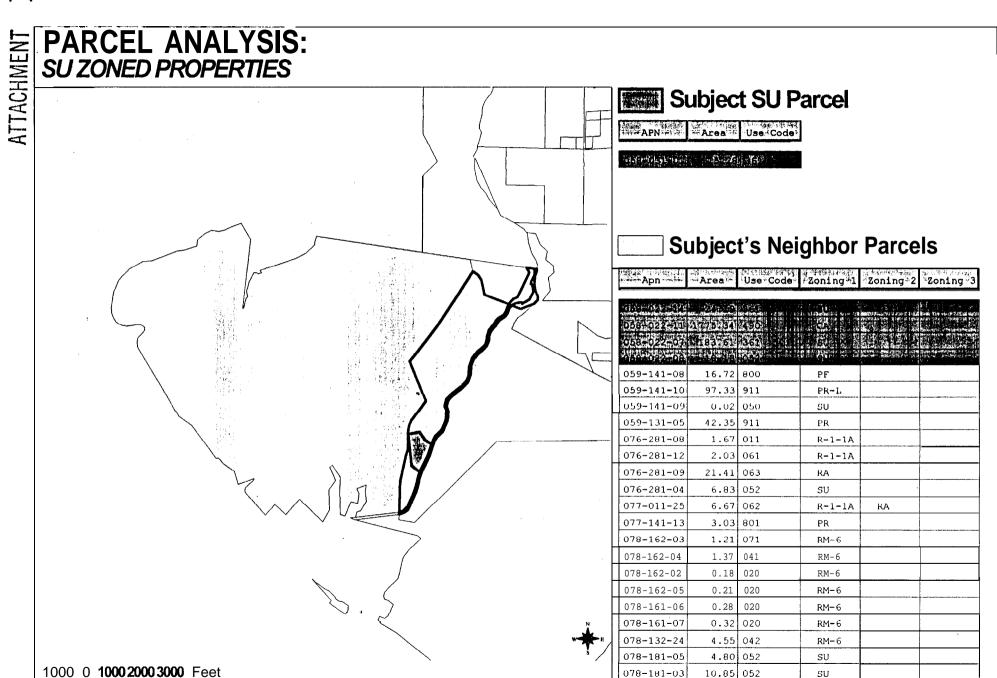
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Subject's Neighbor Parcels

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109-191-02	3.11	061	su		
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109-191-37	64.50	054	su		
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06510158	7.28	052	A		
109-212-05	4.36	061	RA		
109-212-04	_ 7.52	062	RA		
109-212-05	4.36	061	RA		
109-171-27	38.94	053	A		
109-281-13	0.38	061	RA		
109-281-15	2.44	052	RA		
109-281-02	10.04	016	RA		
109-281-04	0.62	060	RA		
109-281-14	3.47	061	RA		
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108-111-24	5.46	062	RA		
108-111-22	5.071	062	RA		

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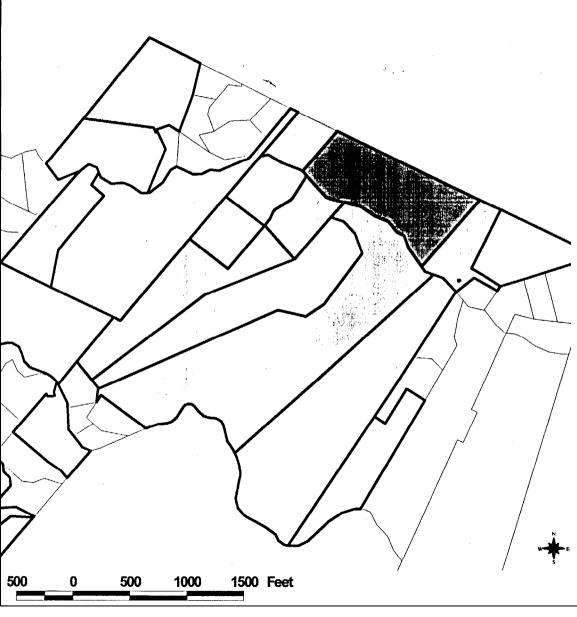


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PARCEL ANALYSIS: SU ZONED PROPERTIES



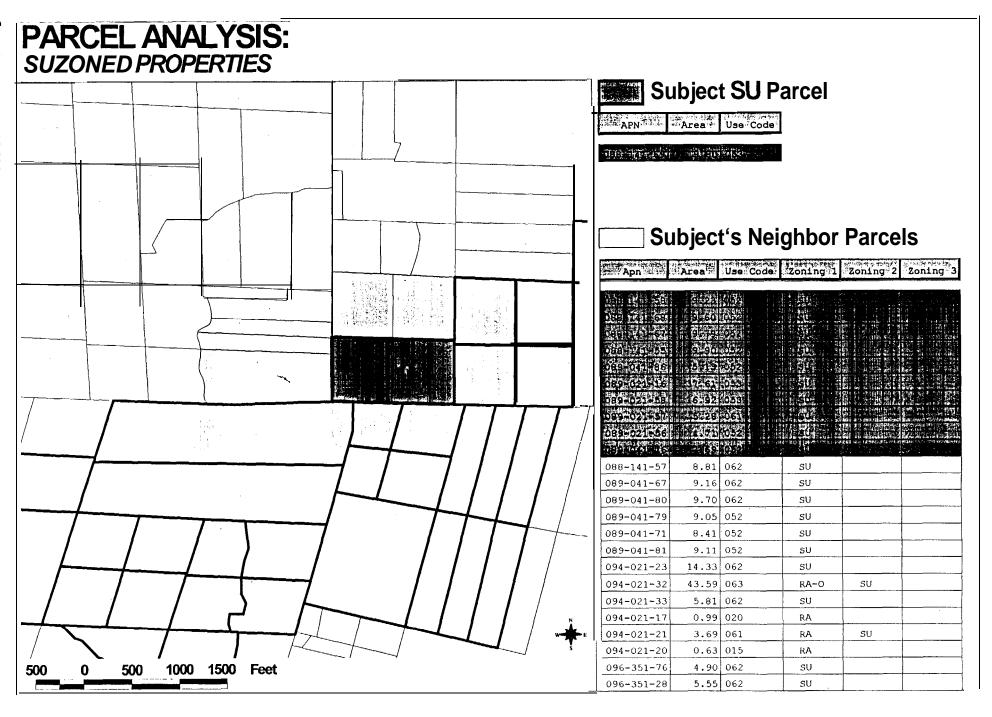
Subject SU Parcel

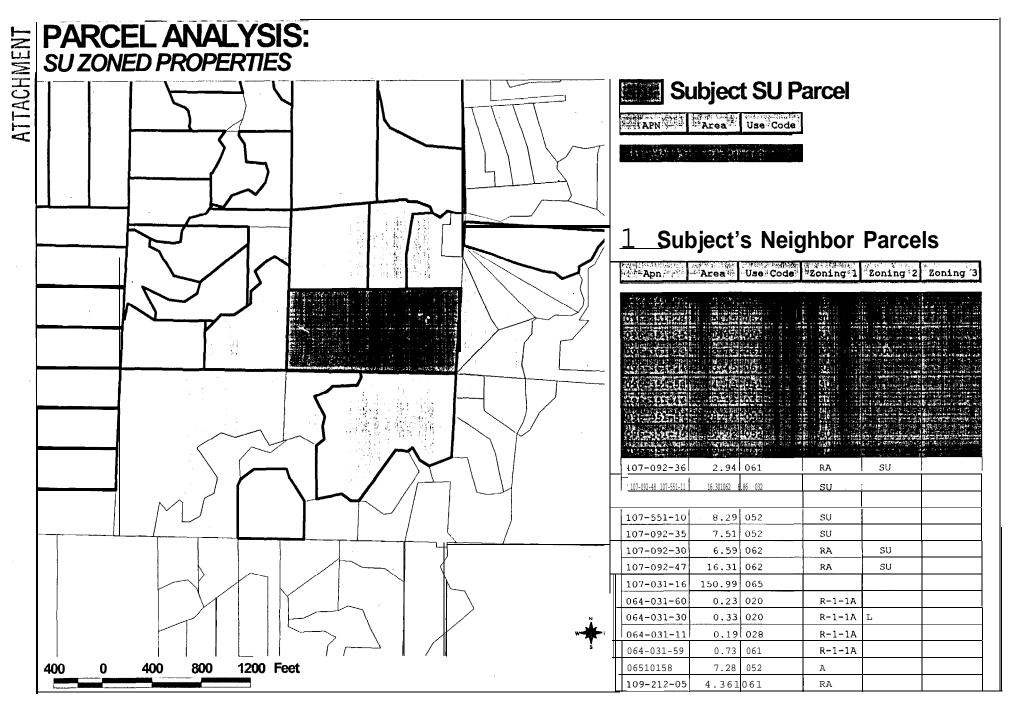
APN Area Use Code

☐ Subject's Neighbor Parcels

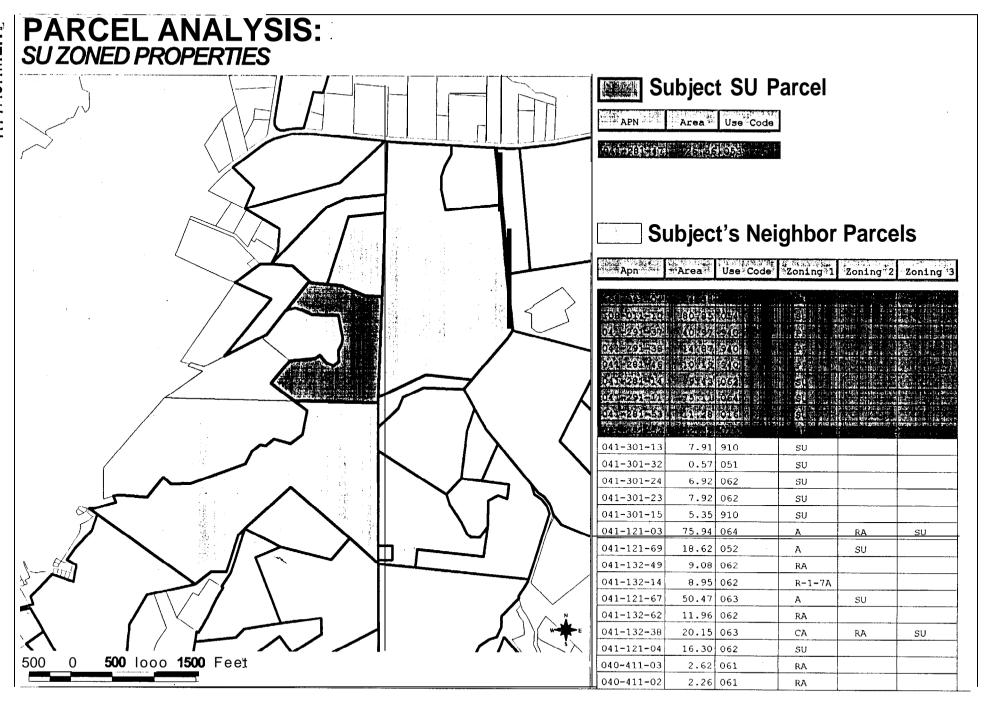
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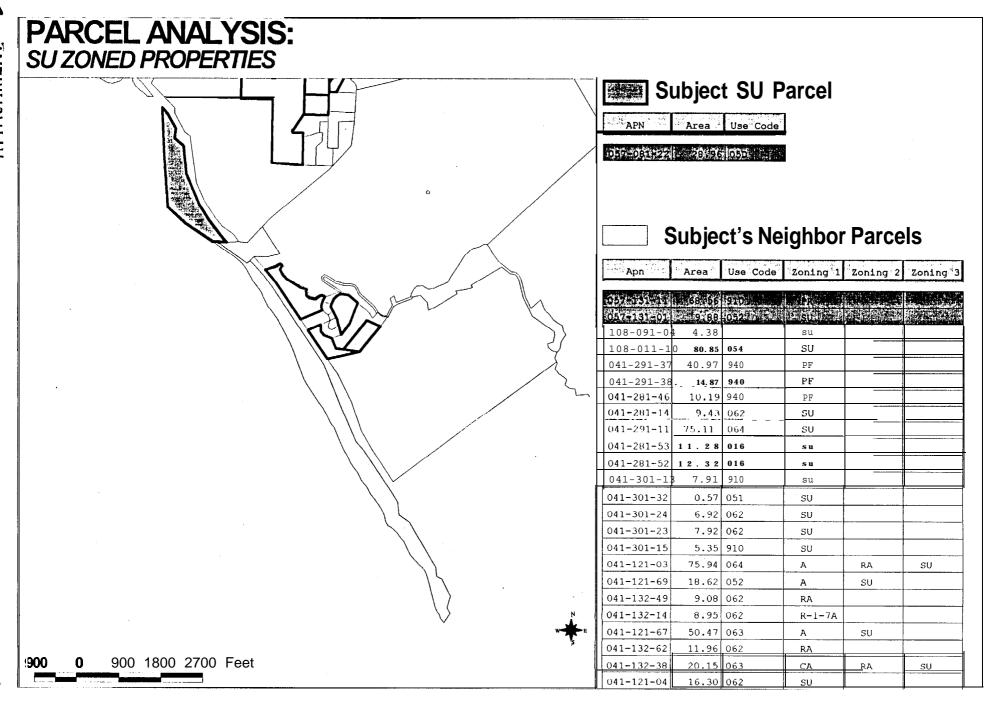
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108-111-25	2.17	051	RA	
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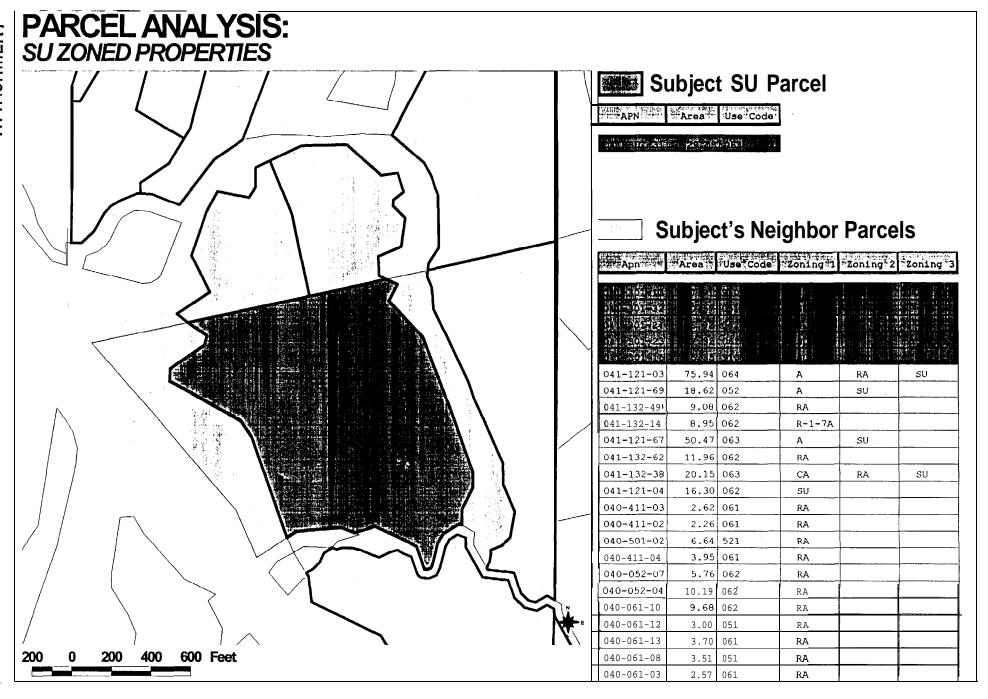


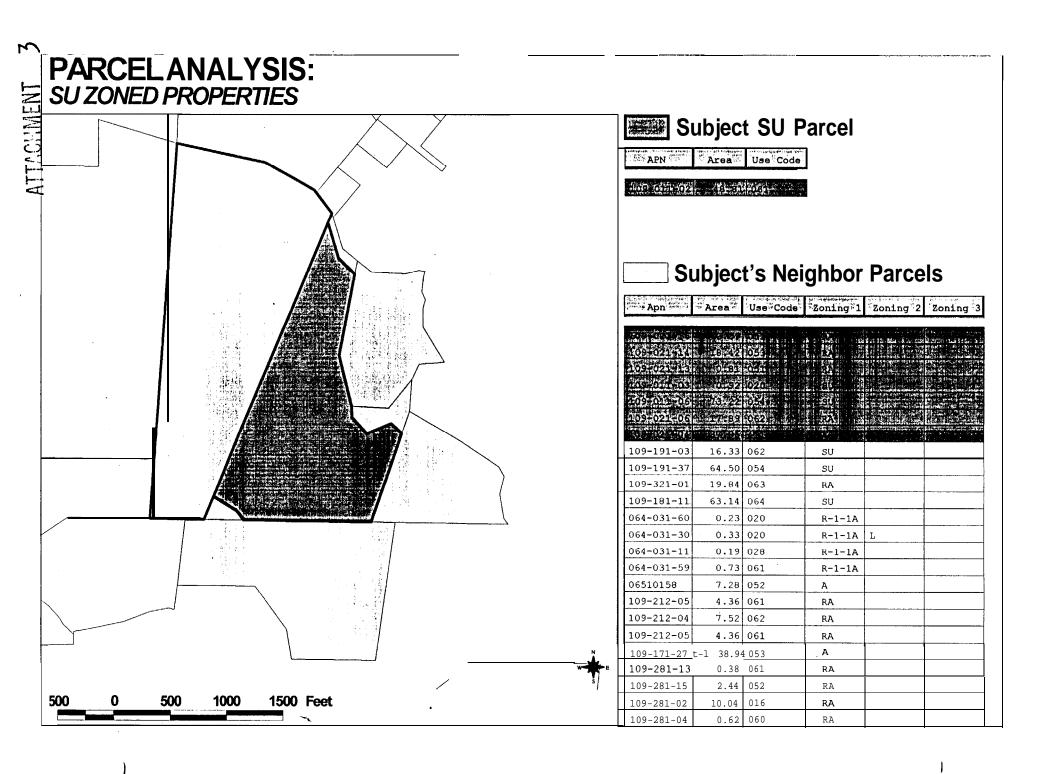


PARCELANALYSIS: **SUZONED PROPERTIES** Subject SU Parcel Area Use Code Associational Associations **Subject's Neighbor Parcels** Use Code Zoning 1 Zoning 2 Zoning 3 040-411-03 2.62 040-411-02 2.26 RA 6.64 040-501-02 3.95 040-411-04 RA 040-052-07 5.76 RA 040-052-04 10.19 062 HA 040-061-10 9.68 RA 040-061-12 3.08 051 RA 3.70 061 040-061-13 RA 3.51 051 040-061-08 RA 061 040-061-03 2.57 040-061-04 0.58 020 RA 040-061-05 0.95 061 040-071-25 1.69 061 RA 400 800 1200 Feet 040-081-15 11.00 RA 040-081-16 13.44 RA









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PARCEL ANALYSIS: SUZONED PROPERTIES Subject SU Parcel Area Use Code With Provide Total State **Subject's Neighbor Parcels** Area Use Code Zoning 1 Zoning 2 Zoning 3 61.75 05D 110-021-47 15.12 3.11 109-191-02 061 6.35 СТ 109-191-54 7.01 054 SU64.50 054 064-031-60 0.23 020 R-1-1A 0.33 R-1-1A 0.19 064-031-11 R-1-1A 064-031-59 0.73 061 R-1-1A 06510158 7.28 052

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PARCEL ANALYSIS: SU ZONED PROPERTIES Subject SU Parcel 010-07-003 (4-70 062 **Subject's Neighbor Parcels** Use Code Zoning 1 Zoning 2 Zonina 3 orecocción a principalmente del composition de la composition della composition dell 100 049-121-71 149.20 055 049-421-07 13.92 0.47 830 su 094-021-23 14.33 062 SU 094-021-32 43.59 063 RA-O 5.81 062 094-021-33 SU 0.99 020 094-021-17 RA 094-021-21 3.69 061 RA IS" 0.63 015 RA 105-421-29 12.77 052 105-421-26 9.79 052 600 1800 Feet 600 1200 106-211-26 47.23 511 106-211-13 13.21 511 CA-P

PARCEL ANALYSIS: SU ZONED PROPERTIES



Subject SU Parcel

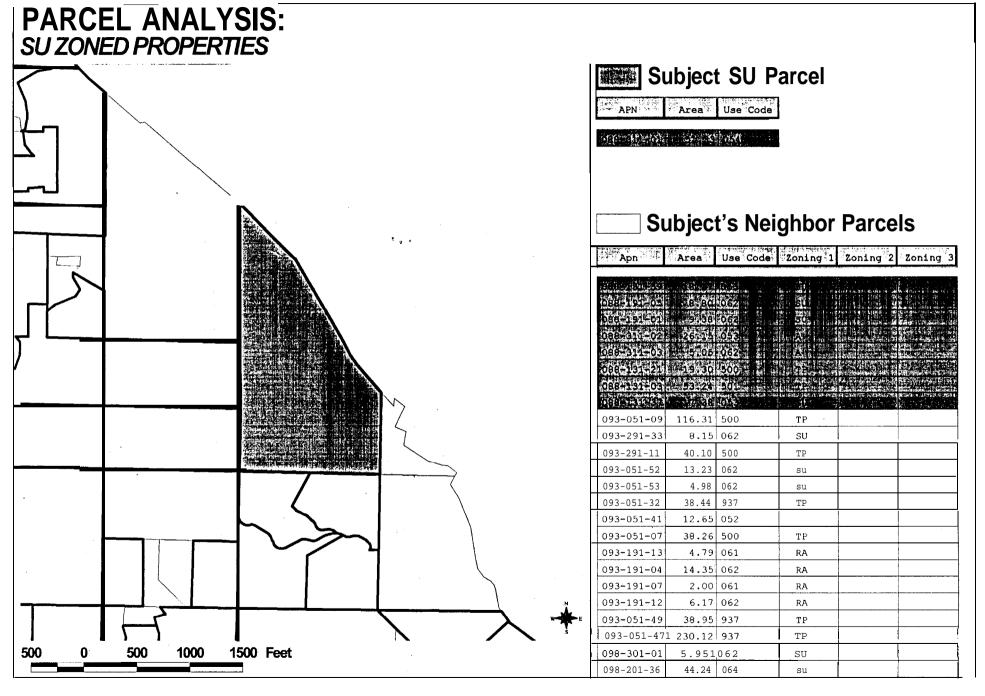
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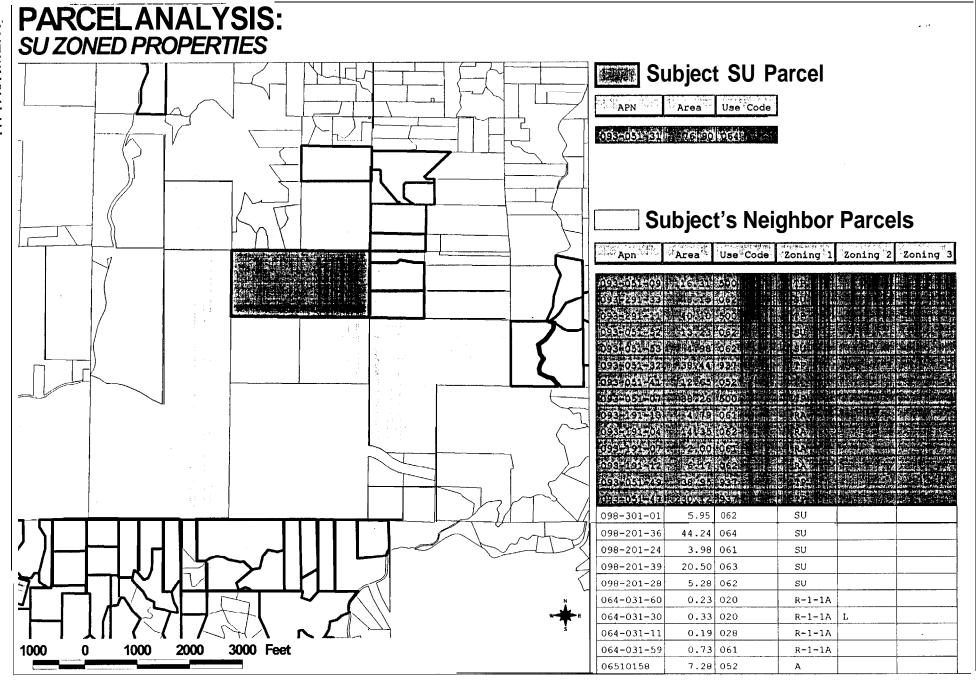
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057-081-47	79.70	913	PR		
057-081-19	39.56	913	PR		

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	JNTY ASSESSOR USE CODES
RESI	DENTIAL USE CODES (04/97)
	ACANT LAND
010	VACANT RESIDENTIAL LOT
011	VACANT LOT WITH PROBLEMS WHICH PRECLUDE BUILDING A RESIDENCE
015	LOT WITH MISCELLANEOUS RESIDENTIAL IMPROVEMENTS ONLY (GARAGE, POOL)
02X S	INGLE FAMILY RESIDENCE
020	SINGLE FAMILY RESIDENCE
021	Саирамінійм и и і т
0 2 2	COOPERATIVE
023	S F R •NON-CONFORMING USE
024	SFR WITH SECONDARY USE (BARBER SHOP, BEAUTY PARLOR, ETC.)
025	AFFORDASLE HOUSING
026	MOBILE HOME •TENANT OWNED SPACE
027	Townhouse
028	SFR + second unit (conversion)
029	SFR + GRANNY UNIT (RESTRICTED)
азх о	JPLEX & TRIPLEX
030	SINGLE DUPLEX (ONE BUILDING)
031	Two SFR'SON SINGLE <i>PARCEL</i>
032	THREE OR FOUR UNITS
033	TRIPLEX
034	FOURPLEX

04X A	PARTMENTS			
040	VACANT APARTMENT LOT			
041	5-10 UNITS			
042	11-20 UNITS			
0 4 3	2 1-40 UNITS			
0 4 4	4 1-60 UNITS			
045	60-100 UNITS			
046	OVER 100 UNITS			
05X R	JRAL VACANT LAND			
050	VACANT LOT -OUTSIDE BUILT-UP AREAS			
051	1 THROUGH 4.99 ACRES			
052	5 THROUGH 19.99 ACRES			
053	20 THROUGH 49.99 ACRES			
0 5 4	50 THROUGH 99.99 ACRES			
0 5 5	100 THROUGH 199.99 ACRES			
056	200 THROUGH 399.99 ACRES			
057	400 ACRES AND OVER			
059	UNBUILDABLE ACREAGE			
OLX RURAL LAND WITH MISCELLANEOUS IMPROVEMENTS				
□5A	LESS THAN ONE ACRE			
05%	1 THROUGH 4.99 A CRES			
_5C	5 THROUGH 19.99 ACRES			
05 D	20 THROUGH 49.99 ACRES			
05E	SQ THROUGH 99.99 ACRES			
05F	100 THROUGH 199.99 ACRES			

056	200 THROUGH 399.99 ACRES
05H	400 ACRES AND OVER
06X R	URAL RESIDENCE
060	RURAL HOMESITE - LESS THAN ONE ACRE
061	RURAL HOMESITE - 1 THROUGH 4.99 ACRES
062	RURAL HOMESITE - 5 THROUGH 19.99 ACRES
063	RURAL HOMESITE - 2 O THROUGH 49.99 ACRES
064	RURAL HOMESITE - 5 0 THROUGH 99.99 ACRES
065	RURAL HOMESITE - 100 THROUGH 199.99 ACRES
066	RURAL HOMESITE - 200 THROUGH 399.99 ACRES
067	RURAL HOMESITE - 400 THROUGH 399.99 ACRES
880	RURAL ACRES (MORE THAN 15FR)
07X M	DTELS
070	MOTEL - LESS THAN 20 UNITS
071	MOTEL •20 TO 49 UNITS
072	MOTEL - 50 UNITS AND OVER
074	RESORT MOTEL - CABINS, ETC.
OBX H	DTELS
080	HOTEL
083	ROOMING HOUSE. CONVENT, RECTORY, RETREAT HOUSE, ETC.
085	BED AND BREAKFAST
09X RE	SIDENTIAL COMMON AREA
090	COMMON AREA - NO STRUCTURES
9 1	COMMON AREA - WITH STRUCTURES
092	COMMON AREA - ROADS AND STREETS
093	ASSESSED COMMON AREA

515	CLCA WITH MISCELLANEOUS IMPROVEMENTS
52X 🗆	PEN SPACE EASEMENT PROPERTY
520	QSE PROPERTY [NO RESIDENCE)
521	SE PROPERTY (WITH RESIDENCE)
525	DSE PROPERTY WITH MISCELLANEOUS IMPROVEMENTS
RECE	REATIONAL USE CODES
60X A	MUSEMENTS
600	THEATRE
601	BEACH CONCESSIONS
602	OTHER AMUSEMENTS
603	ARCADE
61X51	PORTS ACTIVITIES
610	GOLF COURSE
611	BOWLING ALLEY
612	RIDING STABLE
613	SWIMMING, TENNIS CLUE, RACQUET CLUB
614	EXERCISE AND PHYSICAL FITNESS CENTER
615	OTHER SPORTS ACTIVITIES
62X CI	LUBS, LODGE HALLS
620	CLUE, LODGE HALL
621	PRIVATE HALL, AUDITORIUM
622	Миѕеим
63X 0	RGANIZATION CAMPS
630	NoN-PROFIT CAMP

SANTA CRUZ COUNTY

PROPOSED AMENDMENTS TO THE CALIFORNIA FOREST PRACTICE RULES

- New text is underlined
- Deletions are shown with strikeout
- Bold text represents revisions to Rules proposal previously submitted to the 3oard of Forestry for its consideration, as noticed 9-8-98.
 All other text is existing rule language.

THE FOLLOWING SECTIONS CONTAIN COUNTY CHANGES TO THE TEXT PREVIOUSLY SUBMITTED IN 45 DAY PUBLIC NOTICE DATED 9-8-98

- 3. 926.3 Plan Submittal and Notice of intent [Santa Cruz County]
- (b) The plan submitter shall furnish to the Department at the time of submission of the plan. the names and addresses of all property owners within 300 ft. of the exterior boundaries of assessor's parcels upon which a ptan has been submitted, and-the names and addresses of property owners with property fronting or bordering that portion of the haul route lying between the plan area and the nearest public road, and the addresses of all orivate road association members. "Private road association" as used in this section and all other rules specific to Santa Cruz County shall mean those road associations appearing on a list maintained by the County and orovided to the Director which are either a Couniv Service Area which maintains any orivate road or any other orivate road association that has recorded by-laws or other organizing instruments recorded in the official records of Santa Cruz County from which it can be ascertained the assessor parcel numbers of the properties owned by the members. If helicooter yardina is Drooosed, the list shall also include the names and addresses of property owners with property located within three thousand (3.000) feet of any location in the proposed timber harvest area in which logs are to be nicked up carried, or landed, or helicopters are to be used for servicing it is the intent of the notice orovisions of this paragraph to direct the notice to both owners and residents of properties lying within the 3.000 foot notice area; accordingly, if any property owner to be noticed by mail on a proposed helicooter vardina has a mailina address. located outside of the three thousand foot notice area and such orocerty owner's property within such area has a street address within such area . the list shall also contain the street address of the property within the three thousand (3.0001 foot radius, and shall list the addressee at such property as "Occupant." The list shall be compiled from the latest equalized assessment roll of the county or a list provided by a title insurance company. Any list Dreoared for noticing an operation with helicopter vardina shall be deemed accurate orovided that it contains accurate information reaardina at least 95% of the property owners and situs addresses entitled to notice under these Rules based uoon the County Tax Assessor's records.
- The plan submitter shall mail copies of the Notice of Intent to all property owners and members of those Drivate road associations on the list orovided by the County identified pursuant to (b) at least 10 days prior to plan submission and at this time shall post a CODV of the Notice of Intent inctudina a map as described in 14 CCR 1032.7 (d)(8) at a conspicuous location on the orivate road where a majority of the road association members

can view the notice and, if helicooter yarding is proposed, at a minimum of one conspicuous location every half mile on all public roads within a 2 mile radius of the proposed area of operations. The oosted Notice of Intent shall be on colored paper or identified with colored flagging so as to be easily visible to the oublic. The plan submitter shall further mail the Notice of Intent to:

- (1) All members of the Board of Supervisors in whose district any timber operation is proposed;
- (2) The local school district;
- Any The publicly-owned water district or community water system which maintains any water production or water storage facility in the watershed downstream from any location within which any timber operation is proposed. At the time of plan submission, the plan submitter shall certify to the Director in writing that this procedure has been followed.
- In the event the Director shall approve a timber harvest plan which provides in whole or in part for helicooter vardina and where such harvest operations are not commenced within the same harvest season in which the plan is approved the plan submitter shall, not less than 14 days prior to the estimated commencement of helicooter operations and not more than 28 days prior to the estimated commencement of such operations:
 - (1) Mail a notice to all persons oreviocsly notified of the Notice of intent of the original aaolication or any amendment under (b) above, oroviding notice of the fact that the helicooter yarding was accrowed, containing a map showing the location of the harvest areas, landing area, and service area-accrowed in the Plan, the hours of operation, the estimated starting date of helicooter varding activities, the estimated completion date, and any conditions placed on the helicooter varding activity by the Director as part of the approval; and
 - (2) Post a copy of the notice at a minimum of one conspicuous location every half mile on all oublic roads within a 2 mile radius of the proposed area of operations. The oosted notice shall be on colored paper or identified with colored flaaaing so as to be easily visible to the public.
 - (3)The plan submitter shall further mail the notice to those persons identified in 14 CCR 926.3 (c)(1) and (2).
 - (4) Prior to commencement of helicooter operations, the plan submitter shall certify to the Director in writing that these procedures have been followed.
- 7. 925.11 Flagging of Property Lines [Santa Cruz County]

In addition to other flagging requirements in Subchapter 3 of Title 14 CCR, the Director, where necessary to protect adjoining properties may require flagging of The RPF or his/her supervised designee shall, prior to plan submission to the Department, flaa the approximate property lines of the timberiand owner's parcel on the site where any truck road, tractor road or harvest area is proposed within 100 ft. of a property line, and the approximate boundaries of all residential buffer zones.

9 922.15 Road Construction and Maintenance [Santa Cruz County]

In addition to Article 12 (14 CCR Sections 923 through 923.8), the following shall apply in Santa Cruz County:

- (a) New logging roads shall be subject to the following limitations:
 - (1) New road construction shall be prohibited where any of the following conditions are present:
 - (i) Slopes steeper than 65%.

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- (ii) Slopes steeper than 50% where the erosion hazard rating is high or extreme.
- (iii) Slopes over 50% which lead to a watercourse or lake, without flattening to sufficiently dissipate water flow and trap sediment.
- Any exceptions to these standards granted by the Director will require (2)abandonment of the newly created- road in compliance with 14 CCR 923.8 immediately following cessation of active logging operations. Notwithstanding the general orescriptions of 14 CCR 923 8, abandonment shall include recontouring to the slope that existed prior to construction, re-establishment of all drainage to pre-existina conditions, and installation of aatts and/or other devices at the Derimeter of the landowner's property to prevent venicular access. including motorcycles. Where the RPF determines that such reconscuring is not feasible either because it will do more sionilicant environmental damace than other means of abandonina the road, or because the property owner wishes to maintain some utility of the road for access by small licensed vehicles or ATV for fores; management purposes, an alternative method may be proposed and if sufficiently explained and justified, may be approved by the Director. The alternate method shall include at a minimum the return of all side-cast materials to the coadbed with sufficient compaction and stabilization to maximize dispersion of runoff, and minimize erosion and loss of soil from the roadbed, and shall also include removal of all fill material in order to restore all drainaae courses.
- <u>Until abandoned, all new and existing seasonal roads in the plan area shall be regularive</u> maintained pursuant to an erosion and drainage plan approved by the County of Santa Cruz.
- (d) All new tractor roads shall be abandoned and recontoured pursuant to 14 CCR Section 926.15(a)(2) immediately following cessation of active loading operations 14 CCR 914.2(f)(3)[Coast only] shall not apply in Santa Cruz County.
- 10. 925.16 Flagging [Santa Cruz County]
- The location of proposed truck roads, constructed tractor roads, landings, and watercourse crossings proposed to be used or constructed during the timber harvest as well as residential buffer areas and riparian corridor areas where timber operations are prohibited pursuant to 14 CCR 926.24 or 14 CCR 926.26, shall be designated on the plan map and shall be located in the field with flagging. Such flagging shall occur prior to the preharvest

- inspection if one is to be conducted. Flagging for truck roads and constructed tractor roads will be intervisible along the proposed alignments.
- (b) The RPF or supervised designee shall flag the location of all water breaks which are within the WLPZ. on mapped unstable areas or on slopes over 65% regardless of erosion hazard rating.

926.17 Abandonment of Roads and Landings [Santa Cruz County] 11.

When an existing truck road, tractor road, or landing is wholly located within the property of the landowner submitting the Dlan in an area in which it could not be newly constructed in conformance with these the Forest Practice Rules, or when the landowner is unwilling or unable to otherwise modify the truck road or landing to comply with the road surfacing requirements of 14 CCR 926.15(b), rules then where feasible, such road or landing shall be abandoned, stabilized, recontoured. revegetated, and restricted'from vehicular use, including motorcycles, by the installation of oates and/or other devices to prevent access prior to the Work Completion Inspection, unless the use of such road or landing would produce less environmental impact than the use of a new road or landing constructed in accordance with these rules.

12. 926.19 Erosion Control Maintenance [Santa Cruz County]

The plan submitter shall maintain all drainage structures, and-drainage facilities and gating or other devices to prevent access required by these rules in effective working condition throughout the reauired ene maintenance winter periods after completion of timber operations unless other stricter measures are required under the FPR. All skid trails, landinas and work areas shall be reseeded, mulched or protected by compacting slash and debris from harvest operation. The Director may reauire further measures to prevent unnecessary damage to road surfaces from unauthorized use and to protect the quality and beneficial uses of water. The County representative responsible for review of timber harvests shall receive advanced notice and may attend the work completion inspection with the Department to review erosion control measures. A work completion report may not be filed until this these requirements has have been met.

15. 926.24 Residential Buffer Zone Santa Cruz County

Harvesting or other timber operations are prohibited within 300 feet of any occupied legal dwelling used for residential purposes on non-TPZ parcels without unless the residential property owners written consent in writing is submitted with the plan. This prohibition does not apply to the removal of except for dead, dying and diseased trees which are imminently threatening any occupied legal dwelling or which constitute an imminent fire hazard. If timber operations do occur within 300 feet of an occupied legal dwelling, all slash shall be lopped to 30.5 cm (12 in.)or_less or removed, within 10 working days of log removal operations but no later than 60 days of the felling of trees.

926.25 Special Harvesting Methods [Santa Cruz County] 16.

- Trees that could have been cut harvested in a the riparian no cut zone, but for the provisions of 14 CCR 926.26 or in the residential buffer zone. but for the provisions of 14 CCR 926.24. and trees that could have been cut in a WLPZ but for the provisions of 14 CCR 926.26 shall be counted for the purpose of determining compliance with the cutting standards under 14 CCR 926.25(a) and (b) may be credited one time only. by the allowed harvest of additional trees over 45.7 cm (18 in.) d.b.h. outside the WLPZ. At no time can the credit of trees result in a harvest of over 60% of the trees over 45.7 cm (18 in.) d.b.h. on TPZ parcels, or 40% of the trees over 45.7 cm (18 in.) d.b.h. on non-TPZ parcels.
- 17. 926.26 Watercourse and Lake Protection [Santa Cruz County]

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In addition to the requirement of Article 6 (14 CCR Sections 916 to 916.10 the following shall apply in Santa Cruz County:

- On TPZ parcels no timber harvesting operations are allowed within riparian corridors. The (a) width of this no cut, no entry zone is defined as follows:
 - (1) At least 15.2 m (50 feet) from Class I and II watercourses and wetlands wet meadows and other wet areas.
 - (2) At least 3.1 m (10 feet) from Class III watercourses.
 - The width of the riparian corridor shall be measured horizontally out from each side (3) of the watercourse bank.
 - Exceptions are allowed for temporary stream crossings (fords, bridges, culverts) if (4) no other feasible alternative exists as explained and justified in the THP and approved by the Director.
- (b) On non-TPZ parcels, no timber harvesting operations are allowed within non-TPZ riparian corridors. The width of this no cut, no entry zone is defined as follows:
 - (1)At least 38.0 m (125 feet) from Class I and II watercourses and wetlands wet meadows and other wet areas.
 - At least 3.1 m (10 feet) from Class III watercourses. (2)
 - (3) The width of the riparian corridor shall be measured horizontally out from each side of the watercourse bank.
 - (4) Exceptions are allowed for temporary stream crossings (fords bridges, culverts, cable corridors) if no other feasible alternative exists as explained and justified in the THP and approved by the Director; provided that no cable corridor shall be cut within the riparian corridor. Full suspension varding across the riparian corridor shall be permitted only if it can be accomplished without falling or harvesting trees inside the riparian corridor.

21. 926.30 Entry by County Representative for Inspection [Santa Cruz County]

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The County representative who is designated to participate in or who participated in the Review Team may enter and inspect the property that is subject to a timber harvest application during normal business hours at any time after-commencement during the conduct of timber harvest plan activities on the land and after 24 hours notice to the landowner, the RPF and the LTO if any of his employees are engaged in activities on the site, for the purpose of reviewing the methods being utilized in the timber harvest plan activities and efforts to comply with the requirements of the Forest Practice Rules. In carrying out such inspection, s/he may utilize any measurement or evaluation tools or apparatus, including temperature measurement equipment, cameras or video equipment. Any photos or videos shall be clearly labeled as to time, date and location and shall remain the property of the County of Santa Cruz but shall constitute public records. If such representative becomes aware of any material lack of compliance with such Rules or any other provisions of the California Forest Practice Rules applicable to such harvest activities, s/he shall promptly notify the Director in writing of such alleaed non-compliance.