

DEPARTMENT OF FORESTRY
AND FIRE PROTECTION

1234 E. Shaw Avenue
Fresno, California 93710-7899
Telephone: (209) 222-3714, Ext. 114
FAX: (209) 222-2129
Ref: 5400 R1

OF

DOES NOT INCLUDE ARCHITECTURAL

5/17/95

July 7, 1995

Mr. Tim Tate
P. O. Box 1170
Murphys, California 95247

Re: NTMP Number : N-4-95-2
County : Tuolumne
Location : S30 & 31; T3N; R17E - 420

Attached is a true copy of your Non-Industrial Timber Management Plan (NTMP) identified above. The Director of Forestry finds this Management Plan in conformance with the Rules and Regulations of the Board of Forestry. Approval is indicated by the signature of his duly constituted representative being shown on the attached copy of the Plan.

After **July 7, 1995**, and no sooner than 15-days before the start-up and no less than one days before the start-up date, you may notify this office of the commencement of timber operations by using a Notice of Timber operations as prescribed in Sec. 1090.6, CCR on a form prescribed by the Director.

If mitigating measures were agreed to during the review process, a copy of the Agreement letter has been inserted as Page Two of the approved plan. All provisions of the Agreement Letter are intended to be enforceable provisions of the NTMP.

Amendments to the original Plan must be submitted in writing to the Director by the person who submitted the original Plan, or the successor in interest. This NTMP is subject to cancellation at any timber by the Director if it is determined that the objectives of uneven-aged management and sustained yield are not being met or if there are persistent violations detected that are not being corrected.

Sincerely,

James E. Owen, Chief
Sierra-South Region

By

Norman W. Cook, RPF #514
Resource Manager

vjc

Attachment

cc: Ranger Unit/Forester
Odd Fellows
State Board/File

June 19, 1995

OFFICIAL NOTICE OF THE DIRECTOR'S
DETERMINATION OF CONFORMANCE OF A NON-INDUSTRIAL TIMBER
MANAGEMENT PLAN OR AMENDMENTS IN COMPLIANCE WITH THE RULES
OF THE BOARD OF FORESTRY

On the dates shown, the Director of Forestry found the Non-Industrial Timber Management Plans or Amendments listed below to be in conformance with the Forest Practice Act, and Board of Forestry regulations pursuant thereto.

Copies of Non-Industrial Timber Management Plans or Amendments and related documents are available for inspection at the office of the Chief, Sierra South Headquarters, 1234 East Shaw Avenue, Fresno, California 93710, (209) 222-3714.

This Notice is posted in compliance with Section 1037.7, Title 14, CCR.

NTMP No.:	N-4-95-2
County:	Tuolumne
Submitter:	Odd Fellows Sierra Park
Location:	S30 & 31; T3N; R17E
Approx. Acres in Plan:	420
Description:	Selection & Group Selection
Nearest stream is:	Sugar Pine Creek
Date of Director's Determination:	July 7, 1995

Plan No.:	
County:	
Submitter:	
Location:	
Approx. Acres in Plan:	
Description:	
Nearest stream is:	
Date of Director's Determination:	

To Posting Agency:	Please post this Notice at the place where official notices concerning environmental compliance are usually posted. If there are questions concerning posting, contact:
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James R. Laughlin (209) 222-3714, Ext. 153

NON-INDUSTRIAL TIMBER HARVEST PLAN

A. Timberland Owners:

Odd Fellows Sierra Park
c/o Mr. Ed Smith
P.O. Box 116
Long Barn, CA 95335
(209) 586-3471

B. Timber Owners:

Odd Fellows Sierra Park
c/o Mr. Ed Smith
P.O. Box 116
Long Barn, CA 95335
(209) 586-3471

C. RPF Preparing Plan:

Tim M. Tate, RPF #2112
Sierra Resources Consultants, Inc.
P.O. Box 1170
Murphys, CA 95247
(209) 728-3427

D. Location of the Timber Operation by Legal Description

Base and Meridian

☒ Mount Diablo
☐ Humboldt
☐ San Bernadino

<u>Section</u>	<u>Township</u>	<u>Range</u>	<u>Acreage</u>	<u>County</u>
30	3N.	17E.	211	Tuolumne
31	3N.	17E.	209	Tuolumne

Total Acreage: 420

E. The Timber Operation is to Be Within:

☐ Coast Forest District
☐ Northern Forest District
☒ Southern Forest District
☐ Southern Subdistrict of the Coast Forest District
☐ High-Use Subdistrict of the Southern Forest District

F. Description of Present and Proposed Plan Uses Other Than Timber Production

The Plan area has been actively managed for timber production since 1980. This will continue to be the primary land use of the Plan area. A secondary use of the Plan area is as an undeveloped recreation area for residents of Odd Fellows Sierra Park.

**DEPARTMENT OF FORESTRY
AND FIRE PROTECTION**

1234 East Shaw Avenue
Fresno, California 93710-7899
Telephone: (209) 222-3714, Ext. 153
FAX: 222-2129
Ref: 5400 R3

JUN 23 1995

DEPARTMENT OF FORESTRY
SIERRA SOUTH HEADQUARTERS

June 13, 1995

Mr. Tim Tate
Sierra Resources Consultants, Inc.
P. O. Box 1170
Murphys, California 95247

Re: Non-Industrial Timber Management Plan N-4-95-2

Dear Mr. Tate:

The Interagency Review Team reviewed the above THP on June 5, 1995, along with the attached preharvest inspection from Forester Ward. The Review Team feels before the above plan can be recommended for approval, the following concerns and suggestions must be responded to:

1. Consistent with the intent of 14 CCR 956 (Protection of the beneficial uses of water) and the intent of 14 CCR 1034 (Contents of the Plan), the RPF shall provide for the following:
 - a. Add a Class III watercourse, which is located in the SE 1/4, of the NW 1/4 of Section 30, extending approximately 600' from the property line, following the slight indentations of contours, and intersecting the road and Class II watercourse at the point originally noted as the break between the Class II watercourse and Class III watercourse. This change shall be made prior to the Director's approval of the plan.
 - b. Extend the Class II watercourse which is shown to transition to a Class III watercourse in the SE 1/4 of the NW 1/4 of Section 30, as a Class II watercourse upstream to the northern end of the plan. This change shall be made prior to the Director's approval of the plan.
 - c. Upgrade the classification of the Class III watercourse, which is oriented mostly north/south, located in the NE 1/4 of the NW 1/4 of Section 31 to Class II status and extend it upstream from where it turns to an east/west orientation, across the road to a point approximately 100' upstream from the road crossing, (immediately above the BRM arch. site #2). The watercourse from that point upstream to the property line shall be classified as a Class III watercourse. This change shall be made prior to the Director's approval of the plan.

- d. As a result of the above upgrade and extension of the watercourse in the NE 1/4 of the NW 1/4 of Section 31, that portion of road, approximately 200' which falls within the WLPZ shall not be used during the winter period, and immediately following conclusion of timber operations during the non-winter period, shall be treated for surface soil stabilization with straw mulch, or equivalent, to a minimum average depth of 4", covering 100% of the surface of the road. The soil treatment shall be accomplished no later than October 15, of the same year that operations on the road segment occur, or immediately upon conclusion of timber operations in this area, whichever is first. This road segment shall not be used during the winter period.
 - e. Provide for road drainage on the road segment which parallels Sugar Pine Creek on the north side, slightly west of where it leaves the private property, in the SW 1/4 of the NW 1/4 of Section 31. The road drainage shall be directed off of the rocky surface prior to where the current slope erosion is occurring, as was discussed during the PHI. A location was noted which has less slope and has energy dissipating debris to slow the velocity of the discharged water. This shall be accomplished on or before October 15 of the year that the NTMP is approved by the Director.
 - f. Provide for additional road drainage, at an average 75' spacing of either water bars, or rolling dips on entire road segment which parallels the Class II watercourse in the extreme northern section of the plan, SE 1/4 of the NW 1/4, Section 30. This shall be accomplished on or before October 15 of the year that the NTMP is approved by the Director.
2. Consistent with the intent of 14 CCR 969 (Archaeological and Historical Resource Protection), the RPF shall provide for the following:
- a. The RPF shall prepare an update to the original site record for Site #1 and Site #5 and submit two copies to the Information Center and one copy to CDF Fresno prior to the start of timber operations or road repair work. The updated site record for Site #1 shall document the previous site disturbance that has occurred and the cultural materials found during the PHI inspection. For Site #5 the RPF shall correct the primary site record to show the portions of the ditch both within and directly adjacent to the plan area which have been obliterated by recent logging.

received
6/23/95
- filed
7-6-95
C. Hull

- b. The RPF shall prepare a revised page 6 of the Archaeological Addendum to include the following mitigations for Site #1: Any tree within the flagged site boundary shall be directionally felled and endlined away from the site. No equipment will be permitted within 100 feet of the site boundary, except as needed to repair the drainage problem south of the site. No road grading will be allowed within the site boundaries. After a culvert is installed, clean fill shall be brought in from offsite to repair the road. The RPF shall provide a revised page 6 prior to plan approval. rec'd
6-23-95
C. G. Gell
7/6/95
- c. The RPF shall provide a revised page 6 of the Archaeological Addendum to include the following mitigations for sites #3, #4 & #5: Trees within 100 feet of the ditches shall be directionally felled away from the ditches. The revised page shall be provided for inclusion in the plan prior to plan approval.

If we receive your responses to the above before July 6, 1995, the NTMP can be recommended for approval on that date. If you cannot respond by that date, we will need either your written permission or a telephone confirmation to extend the date of conformance. Without this extension, the NTMP may be denied.

Sincerely,

James E. Owen
Region Chief
Sierra-South Region

By 

James R. Laughlin, RPF #2426
Division Chief-Forest Practice

vjc

cc: RU
Forester
Review Team Staff
File

☒ I agree that the above concerns suggestions should be incorporated into NTMP #N-4-95-2.

☐ I give my permission to extend the date of conformance until

Signature Tim M. Tate Date 6/22/95

- G. Description by management unit(s) of the timberstand characteristics including species composition, age classes, projected growth, present stocking level, present volume per acre, size class distribution, stand management history, potential pest or protection problems.

See Silvicultural Addendum

- H. Description by management unit(s), of the proposed management objectives, including a discussion of proposed timber volumes and sizes available for timber harvesting.

See Silvicultural Addendum

- I. Description by management unit(s) of proposed activities to achieve the management objectives.

See Silvicultural Addendum

- J. The period of time over which growth will be balanced with harvest.

See Silvicultural Addendum

- K. Cultural and historical resources.

See the Confidential Archeological Addendum for information on the location, significance and protective measures for cultural and historic resources found on the Plan area. The RPF or his designee shall flag any required protection zones for cultural and historic resources prior to operations in the immediate vicinity of the site. The RPF or his designee shall identify to the Licensed Timber Operator any sites that may be impacted by operations, prior to operations in the immediate vicinity of the site.

- L. Is there a Timberland Conversion Permit in effect?

No.

- M. Is there a Timber Harvesting Plan on file With the Department for any part of the plan area.

No.

- N. Any known threatened or endangered plants or animals on the plan area?

No threatened, endangered, or species of special concern have been located within or directly adjacent to the Plan area.

- O. Any potential impacts and protection for quality and beneficial uses of waters within watercourses, lakes, and wet areas.

The Plan area contains Class I, II, III and IV watercourses. Watercourse locations and designations are shown on the "Watercourse" map. Impacts to watercourses are discussed in the Watershed Assessment portion of the **Cumulative Impacts Assessment Addendum**. Watercourses shall receive the following protective measures:

Class I watercourses shall have a WLPZ width based on the following: 30% or less slope; 75 foot WLPZ, 30% to 50% slope; 100 foot WLPZ, 50% or greater slope; 150 foot WLPZ. Class I watercourses shall be afforded the following protective measures: 1) WLPZ shall be clearly identified on the ground by the RPF who prepared the plan, or his designee, with paint, flagging, or other suitable means prior to operations in the vicinity of the watercourse; 2) a base mark below the cutline of residual or harvest trees within the zone shall be done in advance of any operations in or adjacent to the watercourse by the RPF who prepared the plan, or his designees; and 3) 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 diversity of species similar to that found before the start of operations.

The Class II watercourse shall have a WLPZ width based on the following: 30% or less slope; 50 foot WLPZ, 30% to 50% slope; 75 foot WLPZ, 50% or greater slope; 100 foot WLPZ. The Class II watercourse shall be afforded the following protective measures: 1) WLPZ shall be clearly identified on the ground by the RPF who prepared the plan, or his designee, with paint, flagging, or other suitable means prior to operations in the vicinity of the watercourse; 2) a base mark below the cutline of residual or harvest trees within the zone shall be done in advance of any operations in or adjacent to the watercourse by the RPF who prepared the plan, or his designees; and 3) at least 50% of the total canopy covering the ground shall be left in a well distributed, multi-storied stand composed of a diversity of species similar to that found before the start of operations.

Class III watercourses shall have a 25 foot ELZ and at least 50% of the understory vegetation present prior to timber operations shall be left living and well distributed.

The Class IV watercourse shall have a 25 foot ELZ and at least 50% of the total canopy covering the ground shall be left in a well distributed, multi-storied stand composed of a diversity of species similar to that found before the start of operations.

Watercourse crossings

At this time it is not anticipated that any new crossings of Class I or Class II watercourses will be required for management activities. If at a later date, the crossing of a Class I or Class II watercourse is required, the watercourse crossing shall be handled through the Department of Fish & Game's 1603 Permit process.

If crossing of a Class III watercourse is required for management activities, the following protective measures shall apply: 1) the number of crossings shall be kept to a minimum, 2) crossings shall be at angles as nearly perpendicular to the watercourse as possible, 3) prior to the first winter period following use, all soil and debris occurring within the watercourse channel shall be thoroughly cleaned out, and 4) waterbars shall be installed within fifty (50) feet of both sides of the crossing site, providing terrain allows suitable drainage and there is sufficient filtering vegetation and/or debris.

Domestic Notification and Response

Letters to landowners within 1,000 feet downstream of the Plan boundary on Sugarpine Creek were mailed on November 10, 1994. A Public Notice was published in *The Union Democrat* on December 1, 1994. (See attached letters to landowners and Proof of Publication.)

Mr. Richard C. Welsh, APN 027-010-07, responded by letter (see attached copy). Mr. Welsh stated in his letter that he pumps water from Sugarpine Creek into his cabin for domestic use. Any mitigations to protect water quality aside from those contained in the standard rules shall be described in the "Notice of Intent to Harvest Timber" that is submitted for each component operation under this NTMP.

P. Description of soils, surface erosion hazard, mass wasting erosion hazard, and erosion control measures.

The NTMP area contains two principal soil families: variations of the Holland family occupy the majority of the area, while two upper slope locations contain soils of the McCarthy family. These soils have received a low to moderate Erosion Hazard Rating (EHR) throughout the Plan area. See the EHR calculation sheets and the "Erosion Hazard Rating" Map.

No areas of mass wasting erosion hazard have been detected on the Plan area.

As a minimum for erosion control measures, the standard rules found in 14 CCR sections 954.6, 963.4, 963.6, 963.8, and 1050 shall apply.

Erosion control structures shall be installed according to 14 CCR 954.6 and 954.7. Erosion control structures shall be maintained for one year following completion of the operation that the structure was installed for. Waterbar spacing shall be consistent with that for a moderate erosion hazard over the entire Plan.

Maximum waterbar spacing on Skid Trails and Seasonal Roads

<u>Slope Percent</u>	<u>Distance in Feet</u>
10 or less	200
11 to 25	150
26 to 50	100
50 or greater	75

Driveable waterbars (rolling dips) shall be installed on all seasonal roads to provide administrative and fire suppression access.

Operations on unstable areas.

No slumps or unstable areas have been located on the Plan area.

Q. Existing and proposed road system to be used in implementation of the management plan.

Roads to be utilized under this Plan are a combination of existing seasonal roads and existing permanent roads. All roads to be utilized are shown on the "Roads" map. The majority of the existing seasonal roads will need only minor grading prior to use. One section of existing seasonal road located in the NW 1/4: NW 1/4 of Section 31, will require reconstruction. This section of road is shown on the "Roads" map. The reconstruction will involve realignment of the road. No new road construction is currently planned, however, if any additional roads are needed during management activities, the new construction shall be amended into the Plan.

R. Stocking standards to be met.

Minimum stocking standards for the Plan area will be consistent with those of the Selection prescription found in 14 CCR 953.2 (a) (2).

A minimum of 80% of the area shall meet 100 square feet of basal area on Site I lands or 75 square feet of basal area on Site II lands. To achieve MSP, the areas that meet minimum stocking through basal area shall also meet 14 CCR 953.1 (c) (1) A, i.e. retain a minimum of 8 seed trees per acre which are 18 inches dbh or greater.

A maximum of 20% of the area may meet minimum stocking by utilizing the 300 point count standards found in 14 CCR 952.7 (b) (1).

Site preparation

In portions of the Plan area that contain a pine overstory with a bearclover understory, and lack a sufficient conifer understory, site preparation activities may be used to establish a new age class. In the areas that receive site preparation activities, the bearclover understory will be treated with an appropriate herbicide, according to the recommendations of a certified Pest Control Advisor. Once the bearclover has died, the area will be broadcast burned. Following broadcast burning, the area being treated will be ripped or disced to provide bare mineral soil for natural or artificial regeneration.

S. Proposed yarding methods.

Tractor yarding is the only harvesting method to be utilized on the Plan area.

See Item "C", for information on watercourse crossings.

Winter period operations.

Winter operations are allowed under this NTMP. Winter operations shall conform to 14 CCR 954.7 (c). During the winter operating period, October 15 to April 1, the following shall apply: 1) tractor yarding or the use of tractors for constructing layouts, firebreaks or other tractor roads shall be done only during dry, rainless periods where the soils are not saturated; 2) erosion control structures shall be installed on all constructed skid trails and tractor roads prior to the end of the day if the U.S. Weather Service forecast is a "chance" (30% or more) of rain before the next day, and prior to weekend or other shutdown periods.

T. Slash treatment for site preparation, fire protection and pest protection.

Pest Protection

The Plan area is within a declared zone of infestation and the following measures shall apply to all Ponderosa Pine and Sugar Pine slash created during timber harvesting operations or site preparation activities: 1) concurrent with falling operations, all branches from the sides and tops of those portions of the main stem that are 3" or more in diameter shall be lopped, unused portions of the tops shall be cut into sections no longer than 10' to facilitate drying, and branches shall be scattered so that stems have maximum exposure to solar radiation; 2) cull pine logs left in landings shall not be piled or stacked so as to prevent air from freely circulating around them to speed up the drying of the cambium layer; 3) pines pushed over during road construction and/or skidding operations shall have the limbs lopped from their boles and cut into 10' sections within one week of creation. White fir, Douglas-fir and Incense Cedar shall have the limbs lopped from the boles and unused tops concurrent with falling. Green landing slash created within the fire protection zone may be piled immediately after operations, but shall not include insect brood material between February 1 and September 1. (Insect brood material is portions of the main stem of pines greater than 3" diameter.) Any landing or site preparation slash piled after September 1 which contains brood material shall be burned by April 1 of the following year.

Fire Protection:

This Plan contains several types of fire protection zones. **Note:** the treatment of pine insect brood material for fire protection purposes shall also meet the treatment standards required for pest protection.

Within 100 feet of the edge of public roads, i.e. Highway 108, all slash created by harvest operations shall be treated by one of the following methods: 1) lopping to a height of less than 30", 2) piling and burning, 3) chipping, 4) burying, or 5) removal from the zone. If piling and burning is the treatment method used, piles shall be burned by April 1st of the year following creation.

Within 50 feet of the edge of the permanent subdivision roads, starting where Wheeler Road enters the Plan area, all slash created by harvest operations shall be treated by one of the following methods: 1) lopping to a height of less than 30", 2) piling and burning, 3) chipping, 4) burying, or removal from the zone. If piling and burning is the treatment method used, piles shall be burned by April 1st of the year following creation.

Within 100 feet of homes, all slash greater than one inch but less than eight inches in diameter shall be: 1) removed, or 2) piled and burned. If piling and burning is the treatment method used, piles shall be burned by April 1st of the year following creation. Within 100 to 200 feet of homes, all slash created by harvest operations shall be treated by one of the following methods: 1) removal, 2) lopping to a height of less than 30", 3) piling and burning, or 4) chipping. If piling and burning is the treatment method used, piles shall be burned by April 1st of the year following creation.

U. Description of the cumulative effects analysis with supporting information, including impact of projected harvesting over the life of the plan.

See Cumulative Effects Addendum

SIGNATURES & CERTIFICATIONS

TIMBER & TIMBERLAND OWNER

This Non-Industrial Timber Management Plan conforms to my/our plan and upon approval, I/we agree to conduct harvesting in accordance therewith. Consent is hereby given to the Director of Forestry and Fire Protection, and his or her agents and employees, to enter the premises to inspect timber operations for compliance with the Forest Practice Act and Forest Practice Rules.

Timber & Timberland Owner Ed Smith for Odd Fellows Sierra Park

Signature Ed Smith (Pres B o D) Odd Fellows Sierra Park Date March 30, 1995

REGISTERED PROFESSIONAL FORESTER

I certify that I, or my designee, personally inspected the plan area, and the plan complies with the Forest Practice Act the Forest Practice Rules and the Professional Foresters Law.

Registered Professional Forester Tim M. Tate

RPF Number 2112

Signature Tim M. Tate Date 3/29/95

DIRECTOR OF FORESTRY

This Non-Industrial Timber Management Plan conforms to the rules and regulations of the Board of Forestry and with the Forest Practice Act.

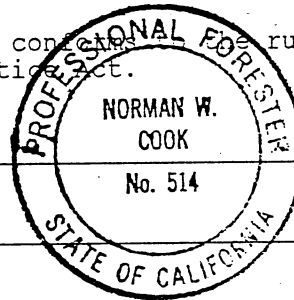
By: Signature [Signature]

Date JUL 7 1995

Printed Name _____

RPF Number _____

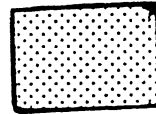
Title _____



MAP LEGEND


PLAN BOUNDARY 

OTHER OWNERSHIP (NOT PART OF PLAN)



EXISTING PERMANENT ROADS 

EXISTING SEASONAL ROADS 

SEASONAL ROAD RECONSTRUCTION 

CLASS I WATERCOURSES 

CLASS II WATERCOURSES 


CLASS III WATERCOURSES 


CLASS IV WATERCOURSE 


POND 

MEADOW



WATER TANK 

SAND PIT 

EROSION HAZARD RATING DESIGNATOR 

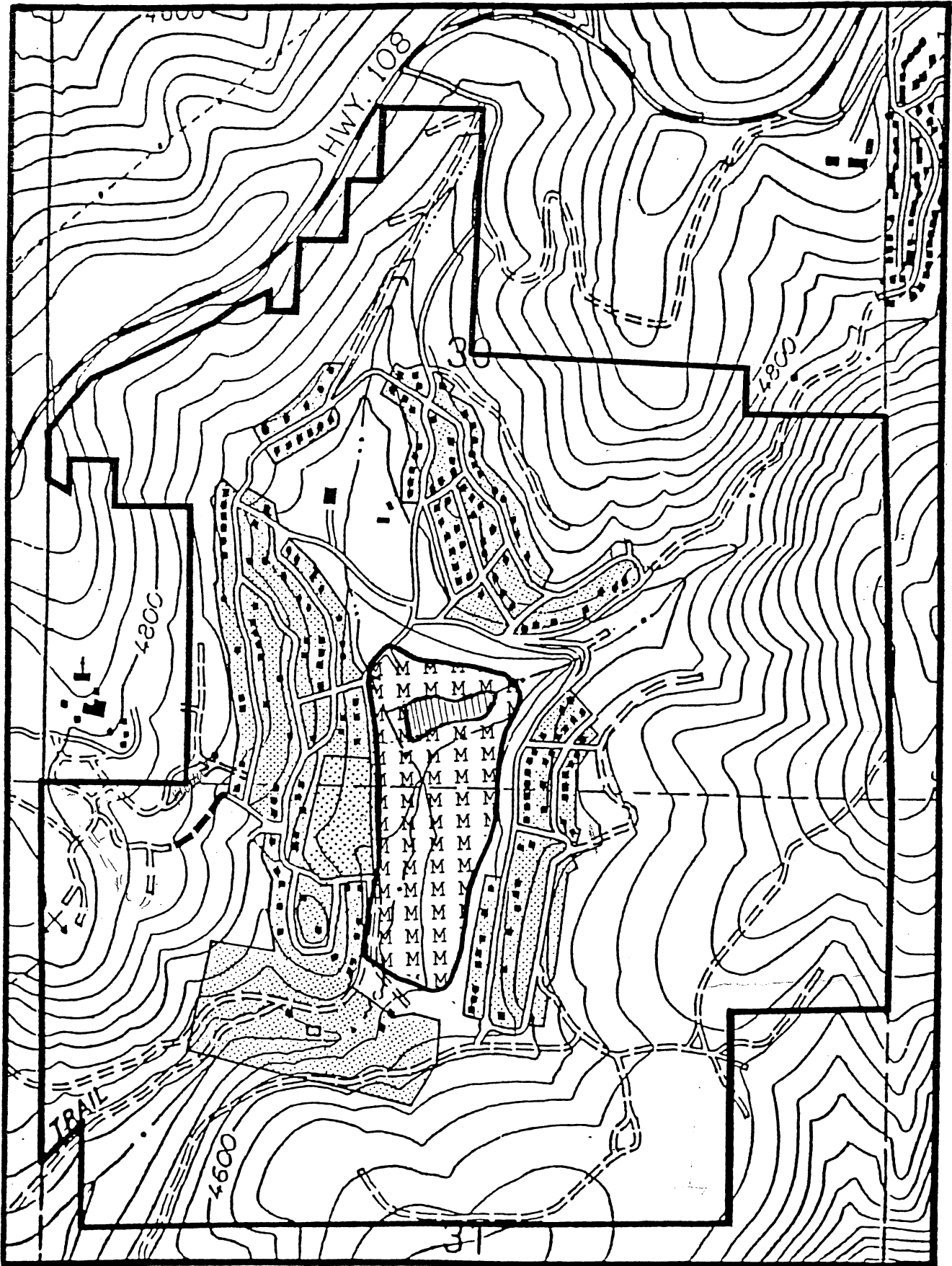
SITE CLASS II



(UNCLASSIFIED AREA IS SITE I)

ARCHEOLOGICAL SITE 

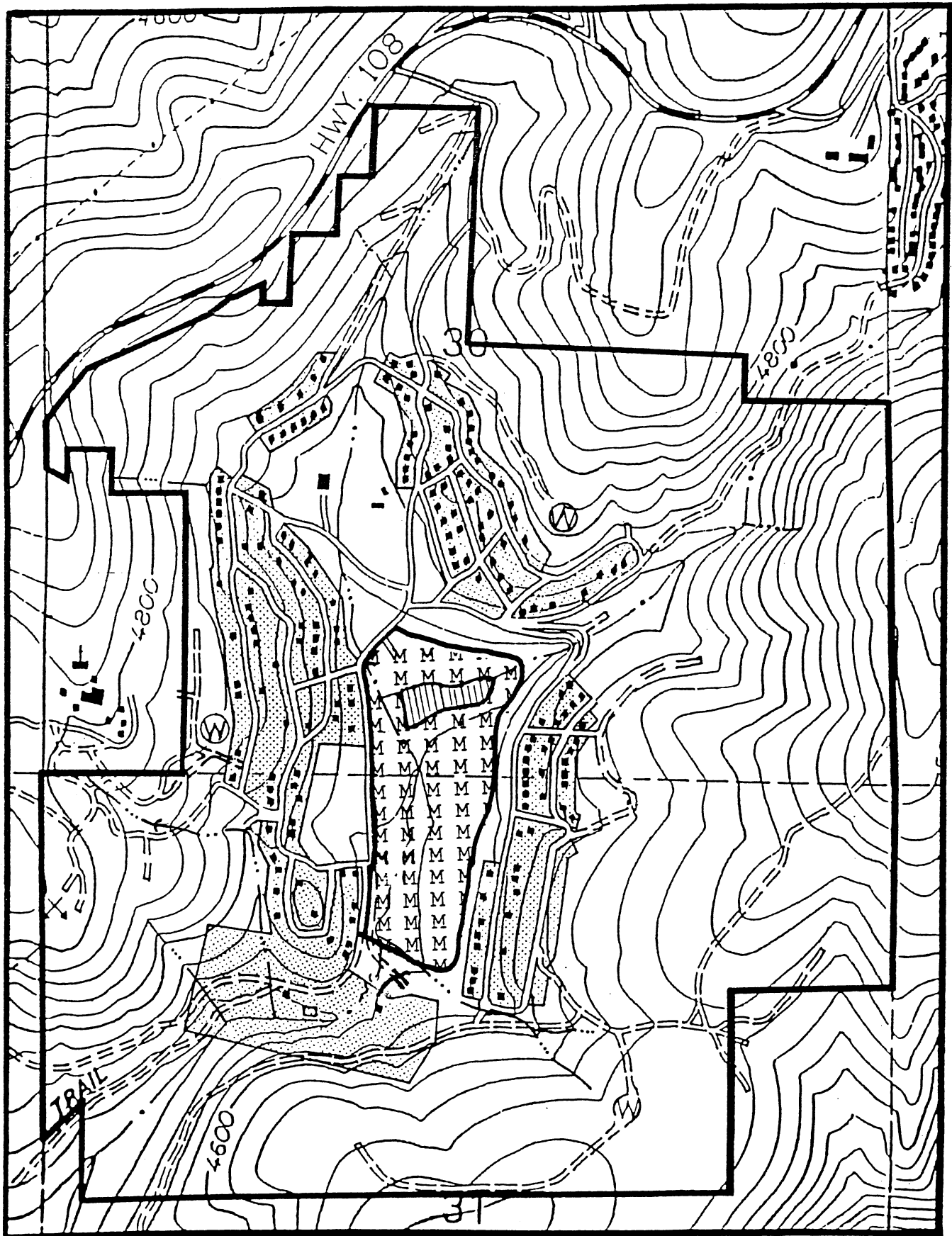
ODD FELLOWS SIERRA PARK
SECTIONS 30 & 31, T.3N., R.17E., MDM
SCALE: 1 inch = 850 feet
ROADS MAP



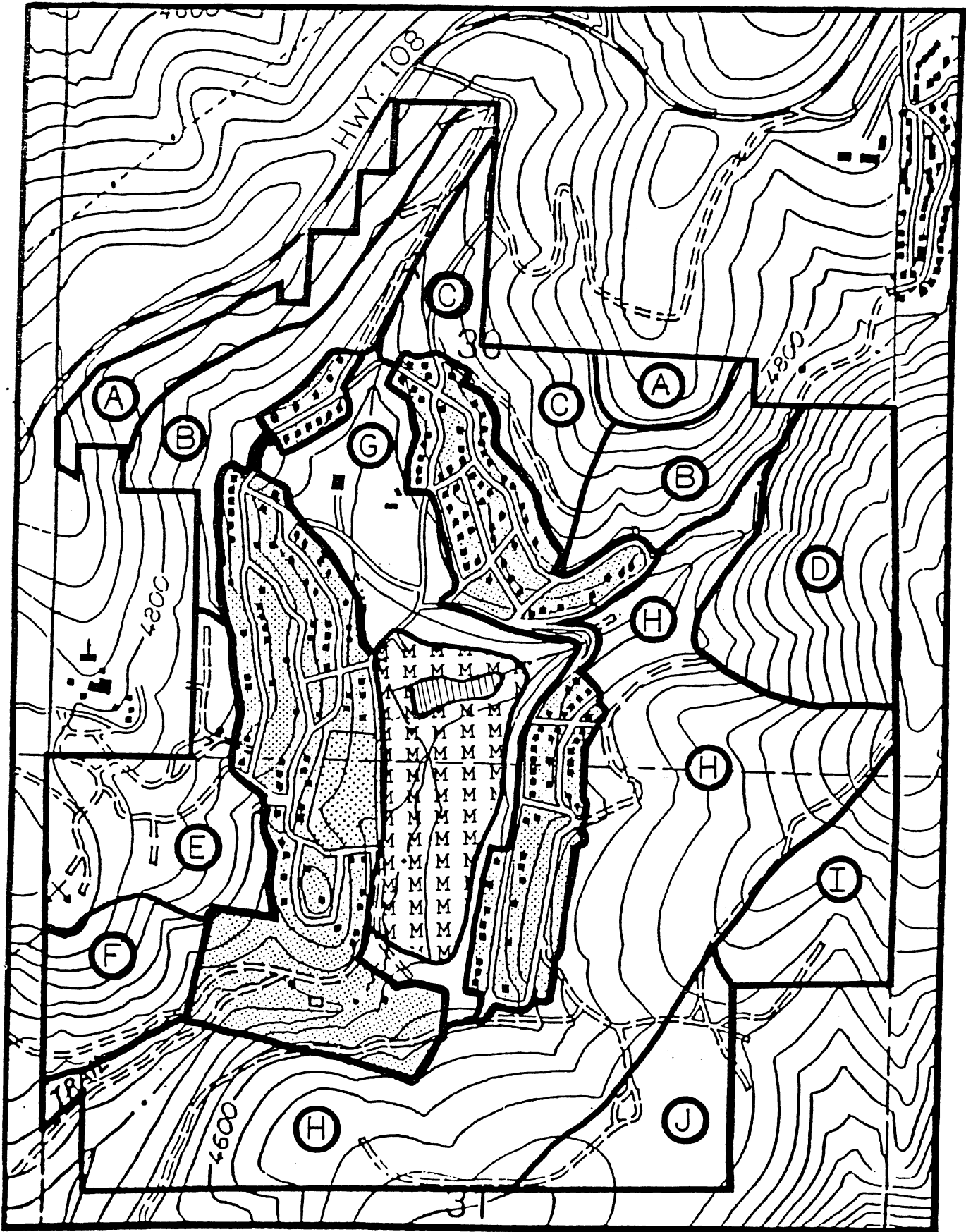
ODD FELLOWS SIERRA PARK
SECTIONS 30 & 31, T.3N., R.17E., MDM
SCALE: 1 inch = 850 feet
WATERCOURSE MAP

JUN 23 1995

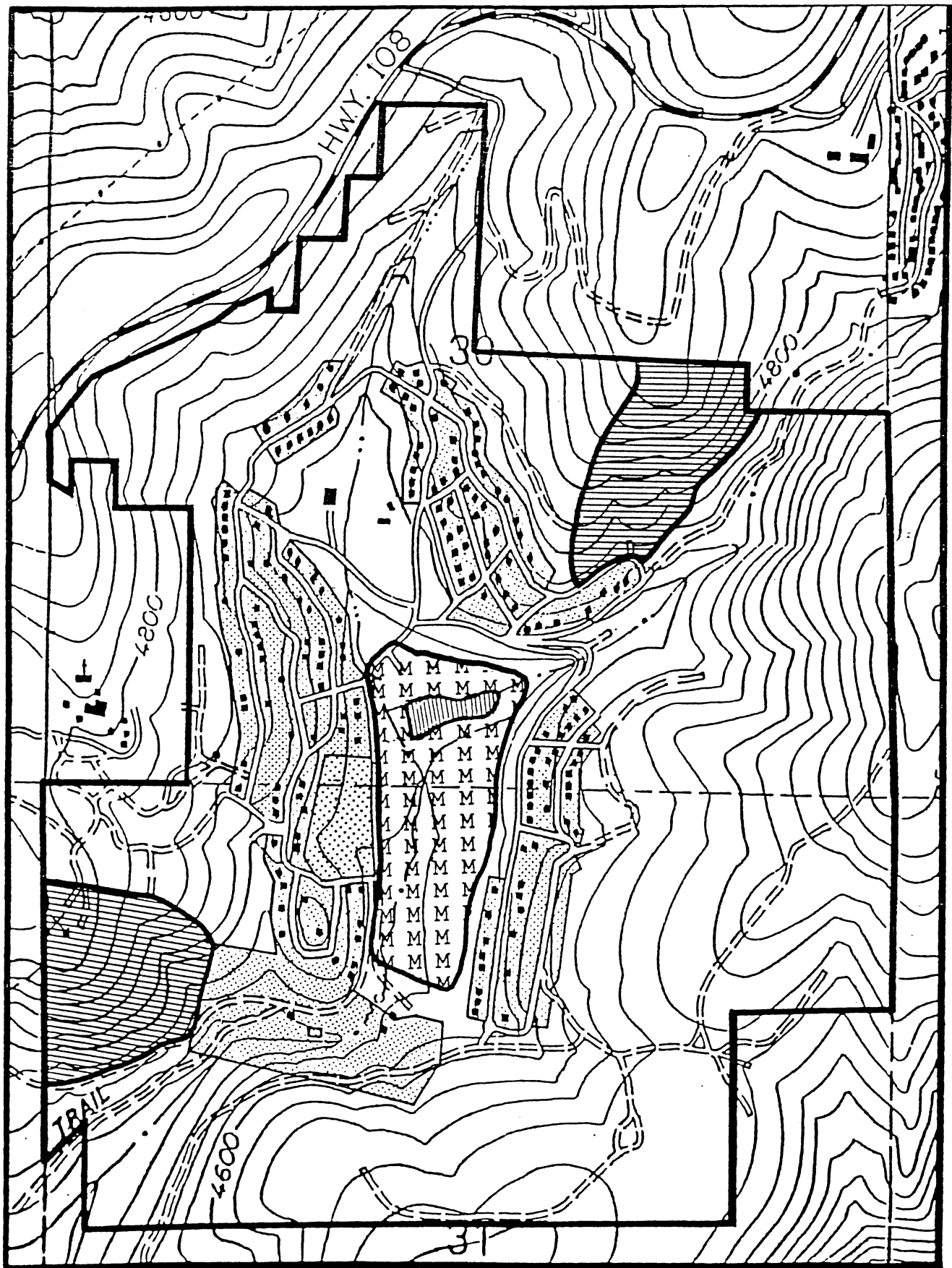
DEPARTMENT OF FORESTRY
SIERRA SOUTH HEADQUARTERS



ODD FELLOWS SIERRA PARK
SECTIONS 30 & 31, T.3N., R.17E., MDM
SCALE: 1 inch = 850 feet
EROSION HAZARD RATING MAP



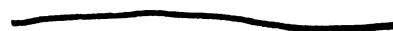
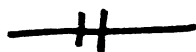
ODD FELLOWS SIERRA PARK
SECTIONS 30 & 31, T.3N., R.17E., MDM
SCALE: 1 inch = 850 feet
SITE MAP



SCALE: 1 inch = 1,320 feet



SOIL MAPPING UNIT BOUNDARY



Map unit #179: McCarthy family, moderately deep - deep complex, 5 to 35 percent slopes.
Proportion: (60%) (25%)

Elevation: 4,000 to 6,000 feet. Annual precipitation: 35 to 60 inches

Map unit component	Landscape position	Typical Calveg vegetation types	Short soil description		Substratum	Depth (In.)	Rock content (Pct.)
			Surface	Subsoil			
McCarthy family, moderately deep	Volcanic ridges and mountainsides	Mixed Conifer - Pine or Ponderosa Pine	Brown or dark brown slightly acid gravelly sandy loam about 10 inches thick	Yellowish brown slightly acid very gravelly sandy loam about 25 inches thick	Andesitic tuff-breccia and similar volcanic rocks	20 to 40	35 to 60
McCarthy family, deep	Volcanic ridges and mountainsides	Mixed Conifer - Pine, Ponderosa Pine or Mixed Conifer - Fir	Brown slightly acid gravelly sandy loam about 11 inches thick	Brown slightly and mod. acid very cobbly sandy loam about 40" thick	Andesitic tuff-breccia and similar volcanic rocks	40 to 60+	35 to 60

Inclusions: Lithic Xerumbrepts and Rock outcrop make up 15 percent of the unit.

Soil qualities and interpretations:

Map unit component	Effective rooting depth (In.)	Drainage	Permeability	Available water		Hydrologic soil group	Erosion K factor	Maximum erosion hazard	Forest Survey site class	NPP	Management concerns
				Top 20"	Total						
McCarthy family, moderately deep	20 to 40	Somewhat excessive	Moderate	2	2	B	0.17	High	5-6	3-4	3edp
McCarthy family, deep	40 to 60+	Well	Moderate	2	1	A	0.2	High	4-5	2	3ep

Map unit #141: Holland family, moderately deep - Lithic Xerumbrepts complex, 10 to 35 percent slopes.
Proportion: (40%) (30%)

Elevation: 3,000 to 7,000 feet.

Annual precipitation: 30 to 55 inches

Map unit component	Landscape position	Typical Calveg vegetation types	Short soil description		Substratum	Depth (in.)	Rock content (Pct.)
			Surface	Subsoil			
Holland family, moderately deep	Mountainsides and dissected canyons	Ponderosa Pine or Mixed Conifer - Fir	Brown moderately acid loam about 5 inches thick	Reddish yellow moderately acid clay loam about 30 inches thick	Weathered granitic bedrock	20 to 40	5 to 20
Lithic Xerumbrepts	Mountainous ridges and spurs	Canyon Live Oak, Mountain Misery, Mariposa Manzanita, Greenleaf Manzanita	Dark grayish brown moderately acid loamy sand about 7 inches thick	Brown moderately acid sandy loam about 10 inches thick	Hard, fractured granitic bedrock	4 to 20	10 to 40

Inclusions: Holland family, deep, Rock outcrop and Dystric Xerochrepts make up 30 percent of the unit.

Soil qualities and interpretations:

Map unit component	Effective rooting depth (in.)	Drainage	Permeability	Available water		Hydrologic soil group	Erosion K factor	Maximum erosion hazard	Forest Survey site class	NPP	Management concerns
				Top 20"	Total						
Holland family, moderately deep	20 to 40	Well	Moderate/moderately slow	1	2	C	0.24	High	5	3	2ed
Lithic Xerumbrepts	4 to 20	Excessive	Moderately rapid	3	3	D	0.17	Very high	7	4-5	4EDP

Map unit #136: Holland family, deep - moderately deep association, dark surface, 5 to 35 percent slopes.
Proportion: (70%) (20%)

Elevation: 3,000 to 5,000 feet. Annual precipitation: 35 to 60 inches

Map unit component	Landscape position	Typical Calveg vegetation types	Short soil description		Substratum	Depth (In.)	Rock content (Pct.)
			Surface	Subsoil			
Holland family, deep, dark surface	Volcanic ridges and spurs	Ponderosa Pine, Mixed Conifer - Pine, or Mixed Conifer - Fir	Dark brown loam about 10 inches thick	Reddish brown clay loam about 50 inches thick	Andesitic tuff	40+	5 to 20
Holland family, moderately deep, dark surface	Volcanic ridges and spurs	Ponderosa Pine, Mixed Conifer - Pine or Mixed Conifer - Fir	Dark brown moderately acid loam about 10 inches thick	Brown moderately acid clay loam about 30 inches thick	Weathered andesite or tuff-breccia bedrock	20 to 40	5 to 20

Note: Holland family, deep, dark surface occurs on lower portions of sideslopes, below the ridges, with 10 to 40 percent slopes. Holland family, moderately deep, dark surface occurs on ridges and upper portions of sideslopes.

Inclusions: Lithic Xerumbrepts, Rock outcrop, and McCarthy family, moderately deep make up 10 percent of the unit.

Soil qualities and interpretations:

Map unit component	Effective rooting depth (In.)	Drainage	Permeability	Available water class		Hydrologic soil group	Erosion K factor	Maximum erosion hazard	Forest Survey site class	NPP	Management concerns
				Top 20"	Total						
Holland family, deep, dark surface	40+	Well	Moderately rapid/moderately slow	1	1	B	0.17	Moderate to high	3-4	1-3	1e
Holland family, moderately deep, dark surface	20 to 40	Well	Moderately rapid/moderately slow	1	2	C	0.2	Moderate to high	5	2-3	2ed

Map unit #126: Holland family, deep, 5 to 35 percent slopes.
Proportion: (75%)

Elevation: 3,000 to 5,000 feet.			Annual precipitation: 30 to 55 inches				
Map unit component	Landscape position	Typical Calveg vegetation types	Short soil description		Substratum	Depth (In.)	Rock content (Pct.)
			Surface	Subsoil			
Holland family, deep	Mountainsides and rolling hills	Ponderosa Pine, Mixed Conifer - Pine or Mixed Conifer - Fir	Light brown moderately acid loam about 3 inches thick	Reddish yellow moderately acid clay loam 40 or more inches thick	Highly weathered granitic bedrock	40 to 80+	0 to 15

Inclusions: Holland and Fiddletown families, moderately deep, and soils with clay-textured subsoils make up 25 percent of the unit.

Soil qualities and interpretations:

Map unit component	Effective rooting depth (In.)	Drainage	Permeability	Available water class	Hydrologic soil group	Erosion K factor	Maximum erosion hazard	Forest Survey site class	Management concerns
Holland family, deep	40 to 80+	Well	Moderate/moderately slow	1	B	0.28	High	3-4	1

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

STATE OF CALIFORNIA
BOARD OF FORESTRY

I. SOIL FACTORS				FACTOR RATINGS BY AREA				
A. SOIL TEXTURE	Fine	Medium	Coarse	A	B	C	D	E
1. DETACHABILITY	Low	Moderate	High					
rating	1-9	10-18	19-30	23	20	17	17	21
2. PERMEABILITY	Slow	Moderate	Rapid					
rating	3-4	3-2	1	1	1	2	2	2

B. DEPTH TO RESTRICTIVE LAYER OR BEDROCK								
	Shallow	Moderate	Deep					
	1"-19"	20"-39"	40"-60"+					
rating	10-6	5-3	2-1	4	3	2	2	4

C. PERCENT SURFACE COARSE FRAGMENTS GREATER THAN 2MM IN SIZE INCLUDING ROCKS OR STONES									FACTOR RATINGS BY AREA				
	Low	Moderate	High										
	(-) 10-39%	40-70%	71-100%										
rating	10-6	5-3	2-1	3	3	8	8	7	A	B	C	D	E
SUBTOTAL									31	27	29	29	34

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	7	11	11	15	6

III. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE								
	Low	Moderate	High					
	0-40%	41-80%	81-100%					
rating	15-8	7-4	3-1	4	4	4	4	5

IV. TWO-YEAR, ONE-HOUR RAINFALL INTENSITY (Hundredths of an inch)								
	Low	Moderate	High	Extreme				
	(-) 30-39	40-59	60-69	70-80 (+)				
rating	1-3	4-7	8-11	12-15	8	8	8	8
TOTAL SUM OF FACTORS					50	50	52	56

EROSION HAZARD RATINGS								
	<30	30-65	66-75	>75				
	Low (L)	Moderate (M)	High (H)	Extreme (E)				
THE DETERMINATION IS					M	M	M	M

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

STATE OF CALIFORNIA
BOARD OF FORESTRY

I. SOIL FACTORS				FACTOR RATINGS BY AREA				
A. SOIL TEXTURE	Fine	Medium	Coarse	F	G	H	I	J
1. DETACHABILITY	Low	Moderate	High					
rating	1-9	10-18	19-30	22	17	17	18	18
2. PERMEABILITY	Slow	Moderate	Rapid					
rating	5-4	3-2	1	2	3	2	2	2

B. DEPTH TO RESTRICTIVE LAYER OR BEDROCK								
	Shallow	Moderate	Deep					
	1"-19"	20"-39"	40"-60"+					
rating	10-6	5-3	2-1	5	1	2	2	2

C. PERCENT SURFACE COARSE FRAGMENTS GREATER THAN 2MM IN SIZE INCLUDING ROCKS OR STONES									FACTOR RATINGS BY AREA				
	Low	Moderate	High										
	(-) 10-39%	40-70%	71-100%										
rating	10-6	5-3	2-1	5	10	9	7	7	A	B	C	D	E
SUBTOTAL									34	31	30	29	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	9	2	7	7	3

III. PROTECTIVE VEGETATIVE COVER REMAINING AFTER DISTURBANCE								
	Low	Moderate	High					
	0-40%	41-80%	81-100%					
rating	15-8	7-4	3-1	5	3	4	3	4

IV. TWO-YEAR, ONE-HOUR RAINFALL INTENSITY (Hundredths of an inch)								
	Low	Moderate	High	Extreme				
	(-) 30-39	40-59	60-69	70-80 (+)				
rating	1-3	4-7	8-11	12-15	8	8	8	8
TOTAL SUM OF FACTORS					56	44	49	47

EROSION HAZARD RATINGS								
<30	30-65	66-75	>75					
Low (L)	Moderate (M)	High (H)	Extreme (E)					
THE DETERMINATION IS				M	L	L	L	L

SIERRA RESOURCES CONSULTANTS, INC.

**P. O. BOX 1170
MURPHYS, CA 95247
BUSINESS: (209) 728-3427
FACSIMILE: (209) 728-9072**

November 10, 1994

Eugene Janoff
303-A St.
Suite 201
San Diego, CA 92101

Re: APN # 28 19 03

Dear Mr. Janoff:

You own, or have jurisdiction over, lands within 1,000 feet downstream, and adjacent to Sugar Pine Creek, from the boundary of a Non-Industrial Timber Management Plan (NTMP) or a Timber Harvest Plan (THP) we are developing on the Odd Fellows Park property. As per 14 CCR, Section 1032.10, we are requesting any information known to you concerning domestic use of water from this watercourse within the 1,000 foot distance. Please refer to the accompanying map showing the location of the NTMP or THP area(s) relative to the subject watercourse. If you know of any such uses, or other pertinent concerns relative to such domestic use, please respond in writing within ten (10) days of the cover date of this letter.

Thanking you, in advance, for your assistance in this matter.

Cordially,

Steven W. Kafka

Steven W. Kafka
Forestry Technician

SIERRA RESOURCES CONSULTANTS, INC.

P. O. BOX 1170
MURPHYS, CA 95247
BUSINESS: (209) 728-3427
FACSIMILE: (209) 728-9072

November 10, 1994

Camp Cedarbrook
P.O. Box 1143
Alameda, CA 94501

Re: APN # 31 01 19
28 19 04

Dear Sirs:

You own, or have jurisdiction over, lands within 1,000 feet downstream, and adjacent to Sugar Pine Creek, from the boundary of a Non-Industrial Timber Management Plan (NTMP) or a Timber Harvest Plan (THP) we are developing on the Odd Fellows Park property. As per 14 CCR, Section 1032.10, we are requesting any information known to you concerning domestic use of water from this watercourse within the 1,000 foot distance. Please refer to the accompanying map showing the location of the NTMP or THP area(s) relative to the subject watercourse. If you know of any such uses, or other pertinent concerns relative to such domestic use, please respond in writing within ten (10) days of the cover date of this letter.

Thanking you, in advance, for your assistance in this matter.

Cordially,

Steven W. Kafka

Steven W. Kafka
Forestry Technician

SIERRA RESOURCES CONSULTANTS, INC.

P. O. BOX 1170
MURPHYS, CA 95247
BUSINESS: (209) 728-3427
FACSIMILE: (209) 728-9072

November 10, 1994

Richard and Janice Welsh
3993 Altamont Ave.
Oakland, CA 94605

Re: APN # 27 01 33

Dear Mr. and Mrs. Welsh:

You own, or have jurisdiction over, lands within 1,000 feet downstream, and adjacent to Sugar Pine Creek, from the boundary of a Non-Industrial Timber Management Plan (NTMP) or a Timber Harvest Plan (THP) we are developing on the Odd Fellows Park property. As per 14 CCR, Section 1032.10, we are requesting any information known to you concerning domestic use of water from this watercourse within the 1,000 foot distance. Please refer to the accompanying map showing the location of the NTMP or THP area(s) relative to the subject watercourse. If you know of any such uses, or other pertinent concerns relative to such domestic use, please respond in writing within ten (10) days of the cover date of this letter.

Thanking you, in advance, for your assistance in this matter.

Cordially,

Steven W. Kafka

Steven W. Kafka
Forestry Technician

SIERRA RESOURCES CONSULTANTS, INC.

P. O. BOX 1170
MURPHYS, CA 95247
BUSINESS: (209) 728-3427
FACSIMILE: (209) 728-9072

November 10, 1994

Mr. Steve Apperson
Mi-Wuk Ranger District
Stanislaus National Forest
P.O. Box 100
Mi-Wuk Village, CA 95346

Re: Odd Fellows Non-Industrial Timber Management Plan or a Timber
Harvest Plan

Dear Mr. Apperson:

You own, or have jurisdiction over, lands within 1,000 feet downstream, and adjacent to Sugar Pine Creek, from the boundary of a Non-Industrial Timber Management Plan (NTMP) or a Timber Harvest Plan (THP) we are developing on the Odd Fellows Park property. As per 14 CCR, Section 1032.10, we are requesting any information known to you concerning domestic use of water from this watercourse within the 1,000 foot distance. Please refer to the accompanying map showing the location of the NTMP or THP area(s) relative to the subject watercourse. If you know of any such uses, or other pertinent concerns relative to such domestic use, please respond in writing within ten (10) days of the cover date of this letter.

Thanking you, in advance, for your assistance in this matter.

Cordially,



Steven W. Kafka
Forestry Technician

PROOF OF PUBLICATION

(2015.5 C.C.P.)

STATE OF CALIFORNIA,
County of Tuolumne

I am a citizen of the United States and a resident of the county aforesaid; I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of

The Union Democrat

Sonora, Calif. 95370

a daily newspaper of general circulation, printed and published in the City of Sonora, County of Tuolumne, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Tuolumne, State of California, under the date of March 21, 1952, Case Number 7594; that the notice, of which the annexed is a printed copy (set in type not smaller than nonpareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

Dec. 1

all in the year 1994

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

Dated at Sonora, California, this 1 day

of Dec., 1994


Signature

This Space is for the County Clerk's Filing Stamp

Proof of Publication

timber harvest plan

PUBLIC NOTICE

To all interested persons whose property lies within Sections 30 and 31 of T.3N., R.17E., MDM. Please be advised that a Timber Harvest Plan (THP), or a Non-Industrial Timber Management Plan (NTMP) is being prepared for the following Tuolumne

County Assessors Parcels: 027-010-35, 027-010-39, 027-050-12, 031-010-02, 031-010-11, 031-010-20, 031-010-22, and 031-090-08.

Section 1032.10 of Title 14 of the California Code of Regulations requires that you be notified of the pending submission of the THP or NTMP if your property lies directly adjacent to Sugar Pine Creek within a 1,000 foot distance downstream from any of the above listed Assessors Parcels.

If you have a diversion from these waters for domestic use purposes, you have ten (10) days from the publication date of this notice to notify, in writing: Tim Tate; c/o Sierra Resources Consultants, Inc. P.O. Box 1170, Murphys, CA 95247.

Publication date: Dec. 1, 1994.
The Union Democrat, Sonora, CA.

RECEIVED DEC - 2 1994

PROOF OF PUBLICATION

The Union Democrat

84 South Washington Street

Sonora, CA 95370

(209) 532-7151

Richard & Janice Welsh
3993 Altamont Ave
OAKLAND CA 94605
RE: APN # 27 01 33
PH (510) 562-5534

Dear Mr. KAFKA

We have for years pumped water from Sugar Pine Creek into our Cabin for our domestic use. The only time the water quality is bad is when the Lake in the upper meadow is drained into the creek.

Native rainbow trout populate the stream by our cabin, & remain a viable breeding population despite these past years of drought by staying in a few deep pools found in our property along the stream course.

I trust that your land use planning will preserve the high quality, & ~~are~~ RARE riparian environment to be found along this creek.

Sincerely, Richard C. Welsh

Adams, Lawrence & Barbara
1296 Via Lucas
San Lorenzo, CA 94580

Adams, Lucile
3971 Huntington
Oakland, CA 94619

Adler, James & Mary
2600 26th Ave.
San Francisco, CA 94116

Akers, Everett
1870 Sunset Drive
Newcastle, CA 95658

Alves, Richard & Katherine
228 Prague Dr.
San Jose, CA 95119

Amaro, Leo Jr.
P.O. Box 258
Long Barn, CA 95335

Amaro, Leo & Minette
883 Sunset Drive
Santa Clara, CA 95050

Antonaccio, Martin
1352 Rosalie Ct.
Santa Clara, CA 95050

Armstrong, Oliver & Barbara
P.O. Box 225
Long Barn, Ca 95335

Armstrong, Randall & Katerine
3291 Ravenswood Way
San Jose, CA 95148

Ashford, Dale & Joann
19249 S. Sexton Road
Escalon, CA 95320

Assad, William
P.O. Box 205
Tracy, CA 95376

Aston, Norma
3342 W. Shields Ave. #202
Fresno, CA 93722

Aston, Charles & Joyce
3342 W. Shields Ave. #202
Fresno, CA 93722

Aston, Joyce
2606 E. Four Creeks Court
Visalia, CA 93291

Auer, Albert W.
526 Donna Drive West
Merced, CA 95348

Austin, Dale & Patty
269 Manchester Ave.
Campbell, CA 95008

Babb, Harold & Joan
P.O. Box 511
Denair, CA 95316

Baber, Loren & Virginia
3540 Windmill Way
Concord, CA 94518

Baker, Robert & Linda
25130 Highway 108
Mi Wuk, CA 95346

Barber, Brian
123 Farrelly Drive
San Leandro, CA 94577

Barrett, Richard & Irene
20 Carleton Place
Pacifica, CA 94044

Bathke, Gerald
612 N. Cascade Drive #27
Woodburn, Or 97071

Beauregard, William
1222 Via El Monte
San Lorenzo, CA 94580

Belvins, Earl & Bessie
801 G. Street
Antioch, CA 94509

Bennett, Warren & Monika
36000 Wellington Place
Fremont, CA 94536

Bertucci, Jim & Debbie
1005 Huntington Drive
Modesto, CA 95350

Bettencourt, Frank
552 Agedoni Ct.
Patterson, CA 95363

Bettencourt, Ronald & Sheila
949 Crest Ave.
Pacific Grove, CA 93950

Bettencourt, Robert
2805 Salluce Drive
Denair, CA 95316

Bettencourt, Gordon & Marilyn
6753 Vicksburg Pl.
Stockton, CA 95207

Bianchi, Frank
1371 Iris Ave.
Oakdale, CA 95361

Bicknell, J. Thomas & Elizabeth
1036 Maria Drive
Oakdale, Ca 95361

Bicknell, Gary & Koni
875 Hillswood Court
Oakdale, CA 95361

Birdsell, Gerald & Margie
20340 S. Elgin
Dos Palos, CA 93620

Blair, Donald & Viola
1613 Colima Ave.
Modesto, CA 95355

Bonner, Richard & Glenda
P.O. Box 251
Long Barn, CA 95335

Booth, Catherine
409 Bowen Ave.
Modesto, CA 95350

Bordes, John & Nancy
3690 Touriga Drive
Pleasanton, CA 94566

Bowen, Charles
1631 N. Johnson
Turlock, CA 95380

Bowman, Patrick & Cathy
P.O. Box 178
Long Barn, CA 95335

Bradberry, Jimmy & Carole
P.O. Box 234
Long Barn, CA 95335

Bradley, Mark & Patricia
55 Northam Ave.
San Carlos, CA 94070

Bradshaw, Warren & Claire
2201 W. 135th Ave.
San Leandro, Ca 94577

Brezina, Rod
P.O. Box 117
Strawberry, CA 95375

Briggs, Jim & Margie
5231 Golf Road
Merced, CA 95340

Brown, Richard & Paula
3004 Massachusetts St.
Castro Valley, CA 94546

Brown, Gregory & Teryl
237 Devon Ave.
Pleasant Hill, CA 94523

Brown, Jess & Ingrid
1275 Conucopia Place
Tracy, CA 95376

Brown, James & Ingeborg
P.O. Box 367
Long Barn, Ca 95335

Bucher, Paul & Sandy
P.O. Box 212
Long Barn, CA 95335

Bundesen, Faye
10754 Sheldon Woods Way
Elk Grove, CA 95624

Butler, Phillip
916 Haverhill Drive
Modesto, CA 95356

Cakebread, Richard & Helen
84 Payne Ave.
Brentwood, CA 94512

Cal Trans
P.O. Box 2045
Stockton, CA 95201

Caley, Dennis & Judy
977 Terrace Dr.
Los Altos, CA 94022

Camp Cedarbrook, Inc.
P.O. Box 1143
Alameda, CA 94501

Canales, Eric & Katherine
147 Chestnut Street
Salinas, CA 93901

Cardoza, Edward & Dolores
P.O. Box 1022
Manteca, CA 95336

Carpenter, Michael & Vicky
P.O. Box 2193
Morgan Hill, CA 95037

Carter, Nicholas & Janice
1780 Anchorage Way
Byron, CA 94514

Cesena, Robert & Deborah
1992 Harrison St.
Santa Clara, CA 95050

Chernikoff, Patricia
127 Madrid Street Blvd.
San Francisco, CA 94112

Chiaramonte, Sam & Anna
934 North 2nd Street
San Jose, CA 95112

Chiaramonte, Louis
934 North 2nd Street
San Jose, CA 95112

Chroman, Peter & Eleanor
5519 Greenridge Rd. #64
Castro Valley, CA 94522

Cipriani, Larry
1548 Center Street
Dos Palos, CA 93620

Clark, Tom & Linda
P.O. Box 4038
Kailua-Kona, Hawaii 96745-4038

Clark, Daryl & Dorothea
254 N. Santa Rosa
Los Banos, CA 93635

Clifton, James & Dorothy
1032 Doug Mitchell Place
Stockton, CA 95209

Cloak, Robert & Sue
P.O. Box 608
Winton, CA 95388

Coffman, Richard & Sandra
3904 Marydale Way
Modesto, Ca 95355

Cole, Edward & Marjorie
1120 Edison Ave.
Modesto, CA 95350

Coleman, Fred & Ann
402 Santa Ana
Los Banos, CA 93635

Collins, Everett & Vera
4747 Norris Road
Fremont, CA 94536

Copeland, Robert & Cheryl
29010 Harlequin Lane
Modesto, CA 95355

Corro, Jr., Ernest
2235 West 135th Ave.
San Leandro, CA 94577

Cox, Brian & Marjorie
2104 Spring Oak Court
Modesto, CA 95355

Coyle, Raymond & Norrine
1604 Jacquelyn Way
Modesto, Ca 95355

Cristal, William
14201 S. Carrolton Road
Escalon, CA 95320

Daniel, Ely & Karen
3441 E. Tuolumne
Turlock, Ca 95380

De Stefano, George & Pat
125 Westwood Drive
Novato, CA 94945

De Costa, June
4129 Maybelle Ave.
Oakland, Ca 94619

Dean, Alfred & Faye
P.O. Box 130
Long Barn, Ca 95335

Deignan, Richard & Susan
14291 Springer Ave.
Saratoga, CA 95070

Di Andrea, Dolores
2975 Fleetwood Drive
San Bruno, CA 94066

Dietrich, Michael & Theresa
6219 San Pablo Dam Road
El Sobrante, CA 94803

Dietrich, George & Ellanor
300 Miranda Lane
Alamo, CA 94507

Donaldson, Cyrus & Doris
19286 Parkview Road
Castro Valley, CA 94546

Doyel, James & Virginia
1315 Ranchita Drive
Los Altos, CA 94024

Duckworth, Ronald & Deborah
16571 Sallander Dr.
Sonora, Ca 95370

Durkee, Donald & Carrie
3220 Merrill Road
Aptos, Ca 95003

East, Everett & Lori
P.O. Box 537
Jamestown, Ca 95327

Eddy, Douglas & Jeannie
P.O. Box 1177
Mi Wuk, CA 95346

Ely, Daniel
3441 E. Tuolumne
Turlock, CA 95380

Engvall, Richard & Zanetta Erickson
2873 Fowler Road
Ceres, CA 95307

Engvall, William & Diane
P.O. Box 219
Mi Wuk, CA 95346

Ennes, Charles & Bessie
1211 Mitchell Ave.
Tracy, CA 95376

Erickson, Richard
Zanetta Erickson
8427 Bennett Drive
Stockton, CA 95212

Escallier, Donald & Gloria
1819 Monroe Circle
Los Banos, CA 93635

Evans, Walter & Dorothy
217 San Benito Ave.
San Bruno, CA 94066

Everett, Eugene & Leona
P.O. Box 39
Long Barn, CA 95335

Falk, Douglas
2025 Bristol Park Circle
Turlock, CA 95382

Fassett, Dean & Yvonne
34836 Hollyhock Street
Union City, CA 94587

Ferguson, Phyllis
329 Las Palmas Ave
Modesto, CA 95354

Fistolera, Steve
1125 Huntington Drive
Modesto, CA 95350

Fitzgerald, Robert
229 Napa Ave.
Rodeo, CA 94572

Fobelli, Bob & Susan
113 Windsor Drive
San Carlos, CA 94070

Forester, Jill
P.O. Box 370354
Montara, CA 94037

Foster, Joe & Rena
3731 E. Redwood Road
Ceres, CA 95307

Fowler, Walter & Jean
1342 Rosalie Drive
Santa Clara, CA 95050

Freitas, Joseph
25755 Wheeler Rd.
Mi Wuk, CA 95346

Frias, Fred
710 North 4th Street
Patterson, Ca 95363

Gellatly, Robert
453 Leslie Ave
Stockton, CA 95202

Giacomino, Larry
P.O. Box 370354
Montara, CA 94037

Gill, Phillip & Marcia
1056 San Antonio Ave.
Alameda, CA 94501

Giordano, Gerald & Donna
1936 Oxford Way
Stockton, CA 95240

Girling, Harvey & Catherine
1307 Sacramento St.
Escalon, Ca 95320

Goff, Stanley & Dorothy
P.O. Box 160
Long Barn, CA 95335

Goldsmith, Frank & Carol
1341 Kevin Way
Turlock CA 95380

Goldstein, Seth & Eileen
1032 Round Hill Circle
Napa, Ca 94558

Goman, Albert & Eva
1307 Hales Drive
Gustine, CA 95322

Green, Harold & Shelda
4474 Lorren Drive
Fremont, CA 94536

Greene, Thomas & Patricia
504 N. Monterey
Coalinga, CA 93210

Greene, Gordon & Marjorie
196 Farrelly Drive
San Leandro, Ca 94577

Greff, John & Nadine
3621 Camino Real
Modesto, CA 95350

Gustin, Richard & Jacqueline
1482 7th Ave.
Sacramento, CA 95818

Guthrie, Gary & Karen
6608 Oakdale Road
Riverbank, CA 95367

Guthrie, Bob & M. K.
11500 Wild Oak Drive
Oakdale, CA 95361

Gwin, William & Betty
P.O. Box 816
Hughson, CA 95326

Hague, Gerald & Verdina
12820 Bonnefoy Road
Pine Grove, CA 95665

Hanscom, Gary & Marilyn
5250 Jomar Drive
Concord, CA 94521-2343

Haro, Peter & Darlene
1037 Pilinut Court
Sunnyvale, Ca 94087

Hartvickson, Howard
1631 N. Johnson
Turlock, CA 95380

Harvey, Wayne & Gloria
P.O. Box 389
Long Barn, CA 95335-0389

Hasbany, Sam & Suzie
P.O. Box 53166
San Jose, CA 95153

Hawke, Ronald & Nancy
2369 Westminister Way
Livermore, Ca 94550

Hawkes, Ray
c/o Ruth Morgan
8764 Blinman Way
Fair Oaks, CA 95628

Hendon, Charles & Verdie
816 Vermont
Turlock, CA 95380

Hennings, Robert & Okchae
10657 Hildreth Lane
Stockton, CA 95212

Hennings, James & Evelyn
228 Renee Drive
Modesto, CA 95354

Henry, Robert & Georgia
1205 St. Mary Drive
Livermore, CA 94550

Hildreth, James & Tracey
270 S. Barretta St.
Sonoma, CA 95370

Hill, Ray & Kathleen
1039 Montclair Court
Livermore, CA 94550

Hinkley, John & Elsie
17880 Apricot Way
Castro Valley, CA 94546

Hintz, Robert & Judith
3883 Santa Clara Way
Livermore, CA 94550

Ho, Dr. Ben & Marjorie
248 Fernwood Dr.
Moraga, CA 94556

Hodges, Ernest & Audrey
337 Hillcrest Ave.
Livermore, Ca 94550

Hoff, David & Terri
1300 Youd Road
Winton, CA 95388

Hogan, James & Nancy
1496 Karen Drive
Benicia, CA 94510

Hogue, Donald
110 Finger Avenue
Redwood City, CA 94062

Hollmann, Martin & Karen
25380 Boots Road
Monterey, CA 93940

Holmes, Robert & Sandra
5185 Corte Del Rey
Pleasanton, Ca 94566

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Sonora, CA 95370

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Burlingame, CA 94010

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Manteca, CA 95336

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Fremont, CA 94538

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1352 Rosalie Dr.
Santa Clara, CA 95050

Martin, Isabel
1356 Barbara Dr.
Santa Clara, CA 95050

- Martinet, Jacques & Barbara
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130 Windsor Ct.
San Bruno, CA 94066

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Livermore, CA 94550

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Turlock, CA 95380

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Lindsay, CA 93247

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Wylie, Art Jr.
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Young, Henry & Betty
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Orinda, CA 94563

Zobel, William & Eugenia
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Zoslocki, Mrs. Thomas
2429 Edgebrook Dr.
Modesto, CA 95354

NON-INDUSTRIAL TIMBER MANAGEMENT PLAN

NOTICE OF PREPARATION TO HARVEST TIMBER

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

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

The earliest date the Department may approve the plan or amendment is: 5/18/95

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

The plan or amendment was submitted to the Department on: 4/3/95 (faxed) (4/4/95)
copy

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

California Department of Forestry & Fire Protection
Forest Practice Program
1234 East Shaw Avenue
Fresno, CA 93710
(209) 222-3714

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: 8.00.)

Information about the plan or amendment follows:

1. Timberland Owner where the timber operation is to occur: Odd Fellows Sierra Park
2. Registered Professional Forester who prepared the plan or amendment: Tim M. Tate, RPF #2112
3. Name of individual who submitted the plan or amendment: Odd Fellows Sierra Park
4. Location of the proposed timber operation (county, legal description, & approximate distance of the timber operation from the nearest community or well-known landmark):
Section 30 & Section 31, Township 3 North, Range 17 East, MDM. The Plan area surrounds the Odd Fellows Sierra Park subdivision in Tuolumne County, California
5. Name of and distance from nearest perennial stream and major watercourse flowing through or downstream from timber operations:
Sugarpine Creek flows through the Plan area.
6. Acres proposed to be harvested: Approximately 420 Acres
7. The regeneration methods and/or intermediate treatments to be used: Selection and Group Selection

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

N-495-2

FOR DEPARTMENT USE ONLY

TIMBER HARVESTING PLAN NO. _____ DATE OF RECEIPT 4/4/95

September 1, 1994 (Sierra)

RECEIVED

APR 04 1995

DEPARTMENT OF FORESTRY
SIERRA SOUTH HEADQUARTERS

SILVICULTURAL ADDENDUM ODD FELLOWS SIERRA PARK

STAND MANAGEMENT HISTORY

The timber stands of Odd Fellows Sierra Park have been subject to timber harvesting activities since before the turn of the century.

Judging from increment borings of the largest trees in the stand, it appears that the area was subject to a rather thorough harvest in the 1870's which was instrumental in establishment of the older age class currently found in the stands. The next substantial entries appear to have been in the late 1940's, and these entries were instrumental in establishing much of what is now the middle age class of current stands. Following this period, the subdivision that now exists was established and timber management became subordinate to development of recreational uses in the "greenbelt area" surrounding the subdivision.

The most recent series of harvest entries began in 1980, when a Timber Management Plan was developed for the Park. The following table (Table 1) shows each harvest entry (sale) name, the type of each operation, the acreage of each operation, and it's date of conduct since the Park came under structured timber management in 1980. Table 2 shows the net volume removed, by species, for the same operations shown in Table 1.

Table 1

Sale Name	Type of Operation	Acreage	Year Conducted
Odd Fellows #1	Green sale (selection)	31	1980
Odd Fellows #2	Green sale (selection)	50	1983
Odd Fellows #3	Green sale (selection)	69	1984
Odd Fellows #4	Green sale (selection)	23	1986
Odd Fellows #5	Green sale (selection)	47	1987
Rodriguez Salvage 1	Salvage sale	8*	1988
Carne Salvage	Salvage sale	213*	1989
Rodriguez Salvage 2	Salvage sale	27*	1991
Scott Salvage	Salvage sale	640*	1993

* Acreages listed for salvage sales reflect operations considerably more dispersed and less intensive than those for green sales. Acreages listed are "gross" acreage as listed on Emergency Notices or Exemptions, and actual "net" acreage where cutting actually took place was, in most instances, substantially less.

Table 2 (All volumes are expressed in thousands of board feet)

Sale Name	PP	SP	WF	DF	IC	TOTAL
Odd Fellows #1	210	51	14	0	27	302
Odd Fellows #2	252	73	13	1	44	383
Odd Fellows #3	170	81	103	29	81	464
Odd Fellows #4	226	28	46	6	25	331
Odd Fellows #5	300	54	44	7	34	439
Rodriguez Salvage 1	24	3	3	0	0	30
Carne Salvage	188	52	525	0	1	766
Rodriguez Salvage 2	94	1	5	0	0	100
Scott Salvage	49	5	15	0	2	71
TOTAL:	1,513	348	768	43	214	2,886

The table above shows that, since 1980, harvest operations for salvage purposes have comprised 33.5% of the volume removal from the property.

SIZE AND AGE CLASS DISTRIBUTION (TOTAL STAND)

SIZE CLASS	STOCKING (#/ACRE)	AGE (YEARS)
Seedlings (< 1" DBH)	70 - 150	< 15
Saplings (1" - 4" DBH)	50 - 70	15 - 25
Poles (4" - 11" DBH)	30 - 50	25 - 35
Small Sawtimber (12" - 17" DBH)	33	35 - 60
Mid-size Sawtimber (18" - 25" DBH)	24	60 - 80
Larger Sawtimber (26"+ DBH)	13	80+

STOCKING LEVELS (MERCHANTABLE TIMBER)

The following tables, together with Table #3 (the current Stand & Stock Table) serve to illustrate the current stocking levels for trees 12 inches DBH and larger. The acreage basis for all tables is 420 acres.

AVERAGE BASAL AREA PER ACRE BY SPECIES AND DBH CLASS (SQ. FT./ACRE)

DBH CLASS	PP	SP	WF	DF	IC	TOTAL	PERCENTAGE
12	2.88	0.79	1.73	0.25	4.06	9.71	6.4
14	3.53	0.98	1.40	0.49	5.54	11.94	7.8
16	3.29	1.02	1.58	0.46	6.41	12.76	8.4
18	4.83	1.00	1.76	0.21	6.00	13.80	9.0
20	4.99	1.26	2.18	0.32	4.78	13.53	8.9
22	5.41	1.49	2.52	0.52	3.77	13.71	8.9
24	7.08	1.50	2.04	0.75	3.25	14.62	9.6
26+	25.90	12.28	10.58	2.47	11.51	62.74	41.0
TOTAL:	57.91	20.32	23.79	5.47	45.32	152.81	100.0

PERCENTAGE: 37.9 13.3 15.6 3.6 29.6 100.0

AVERAGE NUMBER OF STEMS PER ACRE BY SPECIES AND DBH CLASS

DBH CLASS	PP	SP	WF	DF	IC	TOTAL	PERCENTAGE
12	3.7	1.0	2.2	0.3	5.2	12.4	17.9
14	3.3	0.9	1.3	0.5	5.2	11.2	16.2
16	2.4	0.7	1.1	0.3	4.6	9.1	13.2
18	2.7	0.6	1.0	0.1	3.4	7.8	11.3
20	2.3	0.6	1.0	0.1	2.2	6.2	9.0
22	2.0	0.6	1.0	0.2	1.4	5.2	7.5
24	2.3	0.5	0.6	0.2	1.0	4.6	6.6
26+	5.3	2.5	2.1	0.5	2.3	12.7	18.3
TOTAL:	24.0	7.4	10.3	2.2	25.3	69.2	100.0

PERCENTAGE: 34.7 10.7 14.9 3.2 36.5 100.0

AVERAGE VOLUME PER ACRE BY SPECIES AND DBH CLASS (MBF/ACRE)

DBH CLASS	PP	SP	WF	DF	IC	TOTAL	PERCENTAGE
12	0.16	0.03	0.11	0.01	0.16	0.47	2.2
14	0.30	0.06	0.13	0.03	0.26	0.78	3.6
16	0.37	0.09	0.16	0.04	0.28	0.94	4.3
18	0.61	0.09	0.24	0.02	0.37	1.33	6.1
20	0.76	0.16	0.31	0.05	0.33	1.61	7.4
22	0.98	0.23	0.45	0.12	0.30	2.08	9.6
24	1.29	0.25	0.37	0.11	0.33	2.35	10.8
26+	5.96	2.23	1.98	0.40	1.62	12.19	56.0
TOTAL:	10.43	3.14	3.75	0.78	3.65	21.75	100.0

PERCENTAGE: 48.0 14.4 17.2 3.6 16.8 100.0

GROWTH PROJECTIONS AND BALANCE OF GROWTH AND YIELD

Two methods were used to estimate growth on these timberlands: 1) stand table comparison, and, 2) direct estimation utilizing increment borings taken from 43 plots scattered throughout the NTMP area.

The stand table comparison revealed that between 1980 and 1995 the NTMP area grew an average of 588 board feet/acre/year, not including the growth that was captured through the harvests that occurred in that period. These harvests removed 2,886 MBF in this 15 year period, so therefore, when divided by 420 acres, the harvests removed the equivalent of 458 bd. ft./acre/year. Subtracting 458 bd. ft./acre/year from 588 bd. ft./acre/year shows that the property gained a average of 130 bd. ft./acre/year in terms of growth exceeding harvest.

The direct estimation of growth revealed that, as of 1995, the property is accruing a average of 601 bd. ft./acre/year, coinciding well with the estimate from stand table comparison.

Using a growth estimate of 600 bd. ft./acre/year, if left uncut, and barring any serious mortality problems developing, the property would gain a average of 252 MBF/year, or 2,520 in a ten year period. In order to maintain and enhance the productivity of these timberlands, this NTMP proposes a harvest level of not more than 2,200 MBF in the next ten year period, not including any volumes that may be harvested for salvage purposes. This will be accomplished in a series of ten or less separate harvest entries, all utilizing the Selection silvicultural system, over the ten year period that are timed to accommodate stand treatment needs, ownership objectives, and to capture advantageous market opportunities. As a rule, each entry will not encompass more than approximately one-sixth of the total area of the NTMP. Aside from stand treatment needs, priority for harvest scheduling will be given to those areas of the property that have not been harvested since active timber management began in 1980.

MANAGEMENT PRIORITIES AND OBJECTIVES

In general, the most important management objectives for this ownership include the following:

- (1) Maintenance of a aestically pleasing forested area surrounding the subdivision.
- (2) Maintenance and enhancement of the timber resource of the property, with management measures to maintain good stand health and vigor.
- (3) Establishment and maintenance of a forest environment that provides at least a measure of improved fire hazard reduction over that which would exist on unmanaged property.
- (4) The generation of periodic income from harvesting, thereby utilizing the income producing capability of the property.

Objectives #1, #2, and #4 have been, and will continue to be, achieved through periodic timber harvests. Objective #3 has been, and will be, achieved to some extent through timber harvests, however in order to more fully reach this objective this NTMP proposes a field chipping operation. This operation will, for the most part, remove suppressed trees in smaller diameter classes that are creating a ladder fuel situation while not making a contribution to overall stand growth. In certain locations the operation will thin young overstocked stands thereby reducing fuels and improving growth.

POTENTIAL PEST AND PROTECTION PROBLEMS

There are three primary adverse agents that could cause damage to the timber resources on this NTMP property, fire, insects, and dwarf mistletoe.

The only recourse for fire protection is the continued management of the property through timber harvests and the field chipping operation discussed above.

The threat from insects, particularly bark beetles, is best avoided through monitoring of the timber stands to assure that insect activity centers are quickly harvested and the slash appropriately disposed of to avoid further losses. A more proactive mitigation of this threat is by maintaining healthy, properly spaced timber stands free of stagnation that results from overstocking.

Dwarf mistletoe in the pine is best dealt with through removal of infected tree whenever harvesting in a particular stand is undertaken.

Table #3: 1995 STAND & STOCK TABLE, ODD FELLOWS SIERRA PARK

DBH GROUP	PONDEROSA PINE		SUGAR PINE		DOUGLAS-FIR		WHITE FIR		INCENSE CEDAR		TOTAL STAND	
	# STEMS	NET MBF	# STEMS	NET MBF	# STEMS	NET MBF	# STEMS	NET MBF	# STEMS	NET MBF	# STEMS	NET MBF
12	1,541	65.79	421	13.81	135	4.05	928	46.41	2,176	65.28	5,201	195.34
14	1,388	124.89	386	24.30	191	11.46	552	53.88	2,176	108.81	4,693	323.34
16	991	155.34	307	39.86	138	13.80	476	68.25	1,929	115.77	3,841	393.02
18	1,148	256.47	238	38.51	50	8.50	418	101.67	1,427	156.98	3,281	562.13
20	960	317.35	243	68.01	61	14.64	419	131.72	921	138.12	2,604	669.84
22	860	412.76	237	91.38	82	30.34	401	187.07	600	126.05	2,180	847.60
24	946	542.77	200	103.51	100	56.00	273	157.01	434	139.02	1,953	998.31
26+	2,216	2,503.00	1,051	935.57	211	199.82	905	832.17	985	679.15	5,368	5,149.71
TOTAL STAND	10,050	4,378.37	3,083	1,314.95	968	338.61	4,372	1,578.18	10,648	1,529.18	29,121	9,139.29

Odd Fellows Sierra Park Stand Inventory and Growth Estimate History

In 1980, when Odd Fellows Sierra Park began structured management of its timber resources, a Timber Management Plan was prepared which included a 12.5% line-plot inventory of merchantable timber and a study of growth that had occurred in the previous ten years. The cruise utilized 1/4 acre plots evenly distributed over the property. Within the 199 plots sampled, all commercial trees 11.0 inches DBH and larger were measured for DBH, log height, and defect. The growth borings taken at that time, when applied to the Stand and Stock Table generated by the cruise, indicated a average annual growth of approximately 620 board feet/acre/year.

During sale preparation for all the timber sales conducted since 1980 (see Table 2, page 43), an inventory was made of trees to be harvested wherein species and DBH were recorded. Thus, in 1995, it was possible to construct a Stand and Stock Table that reflects the harvests by making deletions from the 1980 Stand and Stock Table. Growth rates obtained in the 1980 study were applied to the resulting volumes to account for the growth on residual trees. The result is the 1995 Stand and Stock Table (Table 3 on page 47). It should be noted that this approach (using the 1980 growth rates for the residual trees) is an inherently conservative way to estimate growth since the 1980 study contained a representative amount of borings on suppressed trees and trees of poorer vigor, many of which have been removed in harvests since then.

In order to check the validity of growth estimation by stand table comparison (1995 vs. 1980), we established 43 plots 1/100th acre in size, wherein borings were made of any tree 11.0 inches DBH or larger that fell within the plot. These plots were contained in seven clusters, with between 5 and 8 plots per cluster, scattered throughout the property in a way that represented the various aspects and site quality that exists. The growth on individual plots varied widely, from zero on plots not containing any trees to very high values on plots where dominant and very healthy trees were sampled. The average growth was calculated as 601 board feet/acre/year.

Group Selection's Use Within the Odd Fellows NTMP

The use of Group Selection as a silvicultural prescription within this NTMP is needed primarily to promote establishment of a new age class in areas of the NTMP wherein past logging practices or their timing resulted in no regeneration.

The specific location of Group Selection units will be identified as each future individual "Notice of Preparation to Harvest Timber" is submitted. However, in general, the following conditions will apply for placement of Group Selection units under this NTMP: (1) units will be in areas that are occupied by bear clover or various species of brush, and contain no regeneration, (2) units will contain a preponderance of trees that would be cut individually if they were in the standard Selection areas, ie. trees with poor vigor and growth potential, advanced age, mechanical defect, thin crowns, etc., (3) units will be at least 100 feet from any property line of the subdivision, (4) units boundaries will follow natural topography to the extent that other factors allow, (5) units will not be placed closer than 100 feet from any class I or class II watercourse, (6) units will not be placed on any slope greater than 40%, and (7) the majority of the units will be well below the maximum size allowed in the rules; most units will be in the range of one-quarter to one-half acre in size.

Cumulative Impacts Assessment Addendum

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

[X] Yes
[] No

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

Private Lands

- 1.1 THP # 4-94-5/TUO Owner: Margaret Santoriello
Prescription: Transition Acreage: 4
Location: T3N, R17E, Sec: 20

This THP has not yet undergone operations. A discussion with the RPF who prepared the plan revealed that the operation will involve a rather intense level of cutting adjacent to Sugarpine Creek with mitigated operations within the WLPZ.

- 1.2 THP # 4-94-4/TUO Owner: Janet Matkin
Prescription: Selection Acreage: 392
Location: T3N, R17E, Sec: 10

This THP is partially operated at this time. It includes a dispersed and relatively light level of selection cutting. It includes no operations or cutting within any WLPZ except sanitation/salvage. Once operations are complete, it is anticipated that the overall impacts of the operation will be minor. This THP area was previously operated under THP listed as item 1.13 of this summary.

- 1.3 THP # 4-93-98/TUO Owner: Jim Houck
Prescription: Selection/Transition Acreage: 380
Location: T3N, R17E, Sec: 11

This THP is partially completed at this time. It includes a relatively light level of selection and transition cutting with only a 15% basal area removal, leaving a residual stand of approximately 100 sq. ft./acre. It includes no operations or cutting within any WLPZ except sanitation/salvage. Once operations are complete, it is anticipated that the overall impacts of the operation will be minor.

1.4 THP # 4-93-77/TUO
Prescription: Seed Tree Removal
Location: T2N, R16E, Sec: 2

Owner: Stewart Hatler
Acreage: 15

This THP area was inaccessible for review purposes. It's ridgetop location and the small size of the plan, however, suggest relatively minor impacts to resources considered here. Additionally, this THP area comprises only 0.2% of the Watershed Assessment Area (WAA).

1.5 THP # 4-93-72/TUO
Prescription: Selection
Location: T3N, R17E, Sec: 10

Owner: Lorraine Martin
Acreage: 360

This THP is partially completed at this time. It includes a relatively light level of selection cutting with only a 18% basal area removal, leaving a residual stand of approximately 107 sq. ft./acre. It includes no operations or cutting within any WLPZ except sanitation/salvage. Once operations are complete, it is anticipated that the overall impacts of the operation will be minor. This THP area was previously operated under THP listed as item 1.14 of this summary.

1.6 THP # 4-93-55/TUO
Prescription: Selection
Location: T3N, R17E, Sec: 10

Owner: Lawrence Houck
Acreage: 354

This THP is partially completed at this time. It includes a relatively light level of selection cutting leaving a residual stand of approximately 150 to 160 sq. ft./acre of basal area. It includes no cutting within any WLPZ except sanitation/salvage. The plan included approximately 200 feet of rock placement on a road within a WLPZ that effectively mitigated the road's presence there. Once operations are complete, it is anticipated that the overall impacts of the operation will be minor. This THP area was previously operated under THP listed as item 1.12 of this summary.

1.7 THP # 4-92-27/TUO
Prescription: Thinning
Location: T3N; R16E; Sec: 36

Owner: Gus Xerogeanes
Acreage: 56

This THP area was inaccessible for review purposes. A discussion with a RPF familiar with the operation revealed that the sawlog operation and a subsequent biomass operation left a excellent post-operation stand. The THP area is relatively flat, and the timber that was harvested adjacent to Sugarpine Creek was yarded uphill and away from the creek resulting in no adverse impacts to watershed resources. The RPF indicated that any impacts to resources considered here were negligible.

- 1.8 THP # 4-91-56/TUO Owner: Vernon Hatler
Prescription: Seed Tree Removal Acreage: 33
Location: T3N; R16E; Sec: 36

This THP area was inaccessible for review purposes. The majority of it's acreage occurs on flat terrain and contains no watercourses or slopes that contribute to watercourses. Additionally, this THP area comprises only 0.4% of the Watershed Assessment Area (WAA). This THP area was previously operated under the THPs listed as items 1.16 and 1.17 of this summary.

- 1.9 THP # 4-91-46/TUO Owner: Fibreboard Corp.
Prescription: Transition Acreage: 109
Location: T3N; R16E; Sec: 25

A discussion with the RPF who prepared the plan revealed that the operation involved a relatively light level of cutting. It was the RPF's opinion that the operation resulted in no on-going significant impacts to the resources considered here.

- 1.10 THP # 4-91-29/TUO Owner: Fibreboard Corp.
Prescription: Selection Acreage: 391
Location: T3N; R16E; Sec: 25

A discussion with the RPF who prepared the plan revealed that the operation involved a relatively light level of cutting. It was the RPF's opinion that the operation resulted in no on-going significant impacts to the resources considered here. Additionally, only a small percentage of this plan's area falls within the assessment area for this NTMP, and that portion is a ridgetop adjacent to a state highway wherein the cutting level was even lighter than that of the remainder of the plan.

- 1.11 THP # 4-88-88/TUO Owner: John & Lois Matkin
Prescription: Transition Acreage: 130
Location: T3N, R17E, Sec: 15

This operation involved a relatively light transition cutting on property that is conservatively managed to maintain a high level of residual stocking. Discussions with foresters familiar with the operation indicate the impacts were minor.

- 1.12 THP # 4-87-73/TUO Owner: Lawrence Houck
Prescription: Transition Acreage: 94
Location: T3N, R17E, Sec: 14

This operation involved a relatively light transition cutting on property that is conservatively managed to maintain a high level of residual stocking. Discussions with foresters familiar with the operation indicate the impacts were minor. The area under this Plan has been included in a newer Plan, THP # 4-93-55/TUO.

1.13 THP # 4-87-59/TUO
Prescription: Transition
Location: T3N, R17E, Sec: 10

Owner: John Matkin
Acreage: 160

This operation involved a relatively light transition cutting on property that is conservatively managed to maintain a high level of residual stocking. Discussions with foresters familiar with the operation indicate the impacts were minor. The area under this Plan has been included in a newer Plan, THP # 4-94-4/TUO.

1.14 THP # 4-86-107/TUO
Prescription: Alternative
Location: T3N, R17E, Sec: 14

Owner: Martin
Acreage: 134

This operation involved a relatively light cutting on property that is conservatively managed to maintain a high level of residual stocking. The area under this Plan has been included in a newer Plan, THP # 4-93-72/TUO.

1.15 THP # 4-85-80/TUO
Prescription: Alternative
Location: T3N; R16E; Sec: 36

Owner: Flovin
Acreage: 24

This THP area comprises only 0.003% of the WAA and was inaccessible for review purposes.

1.16 THP # 4-85-62/TUO
Prescription: Transition
Location: T3N; R16E; Sec: 36

Owner: Hatler
Acreage: 22

The area under this Plan has been included in a newer Plan, THP # 4-91-56/TUO (see item 1.8 of this summary). Given the date of this plan, it is assumed that any impacts resulting from it's operation have, through natural processes, mitigated themselves at this point in time.

1.17 THP # 4-85-57/TUO
Prescription: Shelterwood Seed
Location: T3N; R16E; Sec: 36

Owner: Hatler
Acreage: 11

The area under this Plan has been included in a newer Plan, THP # 4-91-56/TUO (see item 1.8 of this summary). Given the date of this plan, it is assumed that any impacts resulting from it's operation have, through natural processes, mitigated themselves at this point in time.

1.18 THP # 4-85-23/TUO
Prescription: Selection
Location: T3N, R17E, Sec: 31

Owner: Odd Fellows Park
Acreage: 23

This THP area is contained within the area of this NTMP. The operation consisted of a relatively conservative selection harvest and no significant or on-going effects to resources considered here occurred.

Federal Lands

The following eleven (11) federal sales fall within three categories; eight (8) insect salvage sales, one (1) commercial thinning of a plantation, and two (2) green sales. The eight (8) insect salvage sales involved an average removal of 468 board feet per acre. The widely dispersed and light volume removal of these sales in conjunction with mitigations built into federal timber sales combined to prevent these sales from having a significant impact to the resource bases. The one (1) commercial thinning of a plantation involved the release of trees in 30 to 35 year old plantations and did not significantly impact the resource bases. The two (2) green sales, Items number 1.27 and 1.28, involved the removal to trees through both clearcut and partial cut prescriptions. While these sales did impact the biological, visual, and soils resource bases, these impacts have been mitigated through natural processes over the last eight (8) years and are no longer considered significant to the resource bases.

1.19 Sale Name: Wrights Creek I
Location: T3N, R17E,
Sec: 27, 28, & 33
Owner: Stanislaus N.F.
Acreage: 350
Completion Date: On-going

This is an active sale to commercially thin 30 to 35 year old plantations.

1.20 Sale Name: 3N01 Insect Salvage
Location: T3N, R17E,
Sec: 21, 28, & 36
Owner: Stanislaus N.F.
Acreage: 300
Completion Date: 09/94

This operation involved the removal of approximately 40 mbf of insect infested and/or killed trees, dispersed over approximately 300 acres.

1.21 Sale Name: Merrill Springs Salvage
Location: T3N, R17E,
Sec: 16, 20, 21, 23,
27, 28, & 29
Owner: Stanislaus N.F.
Acreage: 1,179
Completion Date: 03/93

This operation involved the removal of approximately 121 mbf of insect infested and/or killed trees, dispersed over approximately 1,179 acres.

1.22 Sale Name: Sweden Salvage
Location: T3N, R17E,
Sec: 1, 2, 3, 10, 16,
20, 21, 25, 26,
28, 29, 31, & 32
Owner: Stanislaus N.F.
Acreage: 1,104
Completion Date: 03/93

This operation involved the removal of approximately 460 mbf of insect infested and/or killed trees, dispersed over approximately 1,104 acres.

1.23 Sale Name: Long Barn Salvage
Location: T3N, R17E, Sec: 30

Owner: Stanislaus N.F.
Acreage: 44
Completion Date: 02/92

This operation involved the removal of approximately 99 mbf of insect infested and/or killed trees, dispersed over approximately 44 acres.

1.24 Sale Name: Stoddard Salvage
Location: T2N, R17E, No Sections
T3N, R17E, Given

Owner: Stanislaus N.F.
Acreage: 2,637
Completion Date: 11/90

This operation involved the removal of approximately 2,169 mbf of insect infested and/or killed trees, dispersed over approximately 2,637 acres.

1.25 Sale Name: McGee Salvage
Location: T2N, R16E, Sec: 1
T3N, R17E, Sec: 25 & 26

Owner: Stanislaus N.F.
Acreage: 450
Completion Date: 06/90

This operation involved the removal of approximately 225 mbf of insect infested and/or killed trees, dispersed over approximately 450 acres.

1.26 Sale Name: Ewok Salvage
Location: T2N, R17E, No Sections
T3N, R17E, Given

Owner: Stanislaus N.F.
Acreage: 1,400
Completion Date: 10/88

This operation involved the removal of approximately 125 mbf of insect infested and/or killed trees, dispersed over approximately 1,400 acres.

1.27 Sale Name: North Fork Sale
Location: T3N, R17E,
Sec: 9, 10, 16, 17, 20,
21, 22, 23, 27, 28,
29, & 30

Owner: Stanislaus N.F.
Acreage: 2,800
Completion Date: 11/87

This operation involved the removal of timber through the use of partial and clear cut prescriptions.

1.28 Sale Name: Mi-Wok Sale
Location: T2N, R16E, Sec: 36
T3N, R17E, Sec: 21, 29,
30, 31, & 36

Owner: Stanislaus N.F.
Acreage: 1,269
Completion Date: 02/86

This operation involved the removal of approximately 8,653 mbf of timber through the use of partial and clear cut prescriptions.

1.29 Sale Name: Apple Salvage
Location: T3N, R16E, Sec: 36

Owner: Stanislaus N.F.
Acreage: 48
Completion Date: 11/85

This operation involved the removal of approximately 115 mbf of insect infested and/or killed trees, dispersed over approximately 48 acres.

Presently Foreseeable Future Projects

1.30 Sale Name: Wrights Creek II Sale
Location: T3N, R17E,
Sec: 28, 29, 32, & 33

Owner: Stanislaus N.F.
Acreage: 96
Future Project

This is a proposed sale to commercially thin 30 to 35 year old plantations. Estimated volume removal is approximately 150 mbf.

1.31 Sale Name: North Fahey Sale
Location: T3N, R17E, Sec: 29

Owner: Stanislaus N.F.
Acreage: 150
Future Project

This is a proposed sale to commercially thin 30 to 35 year old plantations. Estimated volume removal is approximately 363 mbf.

1.32 Sale Name: Unknown
Location: T3N, R17E, Sec: 29

Owner: Unknown private
Acreage: approx. 160

1.33 Sale Name: Unknown
Location: T3N, R17E, Sec: 15, 16

Owner: Unknown private
Acreage: approx. 360

The Tuolumne County Planning Department was contacted and Mike Laird, Senior Planner for the county is not aware of any past, present, or likely future projects within this area which could result in a significant adverse impact on the environment. However, it should be noted that the portions of the watershed assessment area in proximity to Highway 108 have historically been subject to residential development, high levels of recreational use, and continued upgrading and maintenance of the highway. Given this history, it is a reasonable assumption that furtherance of these activities will continue and some impacts to resource bases considered here may occur.

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

[] Yes
[X] No

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

	<u>Yes, after mitigation</u>	<u>No, after mitigation</u>	<u>No reasonable potential significant effects</u>
Watershed	[]	[X] (a)	[]
Soil Productivity	[]	[]	[X] (b)
Biological	[]	[X] (c)	[]
Recreation	[]	[]	[X] (d)
Visual	[]	[]	[X] (e)
Traffic	[]	[X] (f)	[]
Other N/A	[]	[]	[]

- (a) The principal watercourse flowing through the Plan area (Sugarpine Creek) contains over 3.5 miles of waters upstream from the plan area which are either adjacent to Highway 108 or are adjacent to residential development in the Long Barn area. As such, it should be assumed that the watercourse receives runoff from the Highway and development which contains substances deleterious to water quality. It is possible that this project could produce sedimentation that would combine with these other substances to have a cumulative negative effect upon water quality, fisheries, and other biological resources found in and near the watercourse. However, the mitigations inherent in the Forest Practice Rules should be sufficient to prevent any such sedimentation occurring at a level that creates a cumulative effect of a "significant" level. Also, it should be noted that the reservoir in the center of the meadow is dredged periodically to remove sedimentation that settles out of Sugarpine Creek. This dredging assures that the reservoir continues to act as a sediment trap and large runoff events are prevented from carrying large amounts of sedimentation into the North Fork Tuolumne River downstream. It should also be noted that the acreage to be treated for forestry activities under this NTMP comprise only 5% of the watershed assessment area.
- (b) The Plan area contains two principal soil families: variations of the Holland family occupy the majority of the area, and two upper slope locations contain soils of the McCarthy family. The inherent low to moderate erosiveness of these soils, combined with their high timber productivity, further combined with the lack of need for new road and landing construction, indicates that this NTMP will not combine with other projects to create cumulative effects negative toward soil productivity.

- (c) The proposed removal levels of this operation, the silviculture method selected, and the fact that the operations of the NTMP will be conducted as separate cuttings of portions of the NTMP area in separate years, will not significantly alter the capacity (on-site or off-site) to reproduce the present vegetation formation or the habitats it offers. Also, again, it should also be noted that the acreage to be treated for forestry activities under this NTMP comprise only 5% of the watershed assessment area, which in this case coincides with the biological assessment area.
- (d) The recreational use of this property is reserved for members of the Association that owns the property. The majority of the recreational activities take place on confined areas of the ownership which comprise only a minority of the area of this NTMP. On the more outlying areas further from the residences, Association members use the seasonal roads that have been established over the last fifteen years that the Park has been under managed timber production for recreational activities; i.e. walking, hiking, bicycling, etc. Association members are aware that the roads that they use for their recreational pursuits were constructed for timber management purposes and from time to time are needed for that purpose. This NTMP may impact the recreational resource only to such an extent that portions of the Park area will be closed to recreational use during periods of active harvesting for safety reasons. It is not anticipated that this NTMP will produce any impacts that are significant and/or long lasting to the recreational resource.
- (e) While a limited portion of the NTMP area is visible from Highway 108, the majority of the NTMP area is not directly visible from the highway due to vegetation within the highway right-away and the general topography of the area. The majority of the NTMP area is only visible from the Park roads that are not open to the general public. The proposed removal levels of this operation, the silviculture method selected, and the fact that the operations of the NTMP will be conducted as separate cuttings of portions of the NTMP area in separate years, will not significantly alter the visual resource of the area. Any impacts that do occur will mitigate themselves over time as the involved area revegetates and assumes a pre-harvest appearance.
- (f) The principal haul routes for this operation utilize private, county, and state roads that have in the past, and continue to be, used for log hauling. It is not expected that the number of log truck trips per day necessary for any operations under this NTMP will create a inordinate increase in the volume of traffic or serious annoyance to other users of the road, nor will it create, or exacerbate, maintenance problems.

4. If marks have been placed in the first column, "Yes, after mitigation", describe why the expected impacts cannot be feasibly mitigated or avoided and what mitigation measures or alternatives were considered to reach this determination. If the second column, "No, after mitigation", has been checked, describe what mitigation measures have been selected which will substantially reduce, or avoid, reasonable potential significant cumulative impacts, except for those mitigation measures or alternatives mandated by application of the rules of the Board of Forestry.

See discussion for items "a" through "f" above.

5. Provide a brief description of the assessment area used for each resource subject.

a. Watershed/Hydrology

The watershed assessment area (WAA) includes the area drained by Sugarpine Creek from its headwaters to its confluence with the North Fork of the Tuolumne River, and a portion of the North Fork of the Tuolumne River drainage from Browns Meadow downstream to its confluence with Sugarpine Creek. The portion of the North Fork of the Tuolumne River was added to the assessment area inasmuch as approximately forty (40) acres of the NTMP drains into this basin. The confluence of Sugarpine Creek and the North Fork of the Tuolumne was selected as the downstream termination point for the WAA as this is a significant dilution point for the waters of Sugarpine Creek. The assessment area is approximately 8,425 acres in size, and is depicted on the "Watershed Assessment Area" map presented in this section.

b. Soils

The soils assessment area is that area contained within the boundaries of the proposed NTMP.

c. Wildlife/Botany

No "listed species specific" assessment areas were identified for the purposes of this submission. A specific assessment of the Plan area itself and a 200' foot "edge", or buffer zone around the Plan area was made. A more general assessment was made of the entire WAA. The decision was taken to coincide the biological assessment area with that of the WAA as its boundary includes a logical extension of conditions found on the Plan area.

d. Recreation/Visual

The assessment area for recreational resources is the Plan area itself, and a buffer zone extending 300 feet from the Plan boundaries. The visual assessment area is the Plan area itself, and a zone extending three miles from the Plan boundaries.

e. Traffic

The traffic assessment area includes those private, county, and state maintained roads including: seasonal roads within the NTMP, to their junction with permanent private roads maintained by Odd Fellows Sierra Park, to their junction with State Highway 108, and then along State Highway 108 to intersections with other roads destined for log delivery points.

f. Other (specify) **N/A**

6. List and briefly describe the individuals, organizations and records consulted in the assessment of cumulative impacts for each resource subject. Records of the information used in the assessment shall be provided to the Director upon request.

- a. List of contacts: **see Figure CEA.1**
- b. List of reference materials used: **see Figure CEA.2**
- c. General site description: **see Figure CEA.3**

Figure CEA.1 A list of contacts by subject area involved in the preparation of this THP.

Watershed

1. Norman Cook Past Projects Request
CDF Southern Region
1234 East Shaw Ave
Fresno, CA 93710-7899
(209) 222-3714
2. Chris Zimny Mi-Wuk Ranger District
Stanislaus National Forest
P.O. Box 100
Mi-Wuk Village, CA 95346
(209) 586-3234
3. Bill Snyder Fibreboard Corporation
Mike Vroman P.O. Box 218
Chris Conrad Standard, CA 95373
(209) 536-2299
4. Mike Laird Tuolumne County Planning
2 South Green Street
Sonora, CA 95370
(209) 533-5611

Biological

1. Terry Hart Natural Diversity Data Base
Natural Heritage Division
CA Dept. of Fish and Game
1416 Ninth Street, 12th Floor
Sacramento, CA 95814
(916) 324-3812
2. Tom Rickman Mi-Wuk Ranger District
Stanislaus National Forest
P.O. Box 100
Mi-Wuk Village, CA 95346
(209) 586-3234

Ownership/Administration

1. Ed Smith Odd Fellows Sierra Park
P.O. Box 116
Long Barn, CA 95335
(209) 586-3098

Figure CEA.2 References

General

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Figure CEA.3 General Site Description

Elevation

The Plan area contains elevations that range from 4,520 feet to 5,040 feet above mean sea level.

Topography/Watershed

The Plan area is a basin draining an unnamed tributary to Sugarpine Creek and a portion of the basin drained by Sugarpine Creek. The Plan area runs from ridge top locations to Sugarpine Creek with slopes ranging from 0% to 60%, with an average slope of 30%. Sugarpine Creek drains the Plan area to the southwest. All aspects are represented within the Plan area.

Soils

The Plan area contains two principal soil families. Variations of the Holland family, which are deep, well drained soils, occupy the majority of the area. Shallower, McCarthy family soils are found in two upper slope locations.

Vegetation

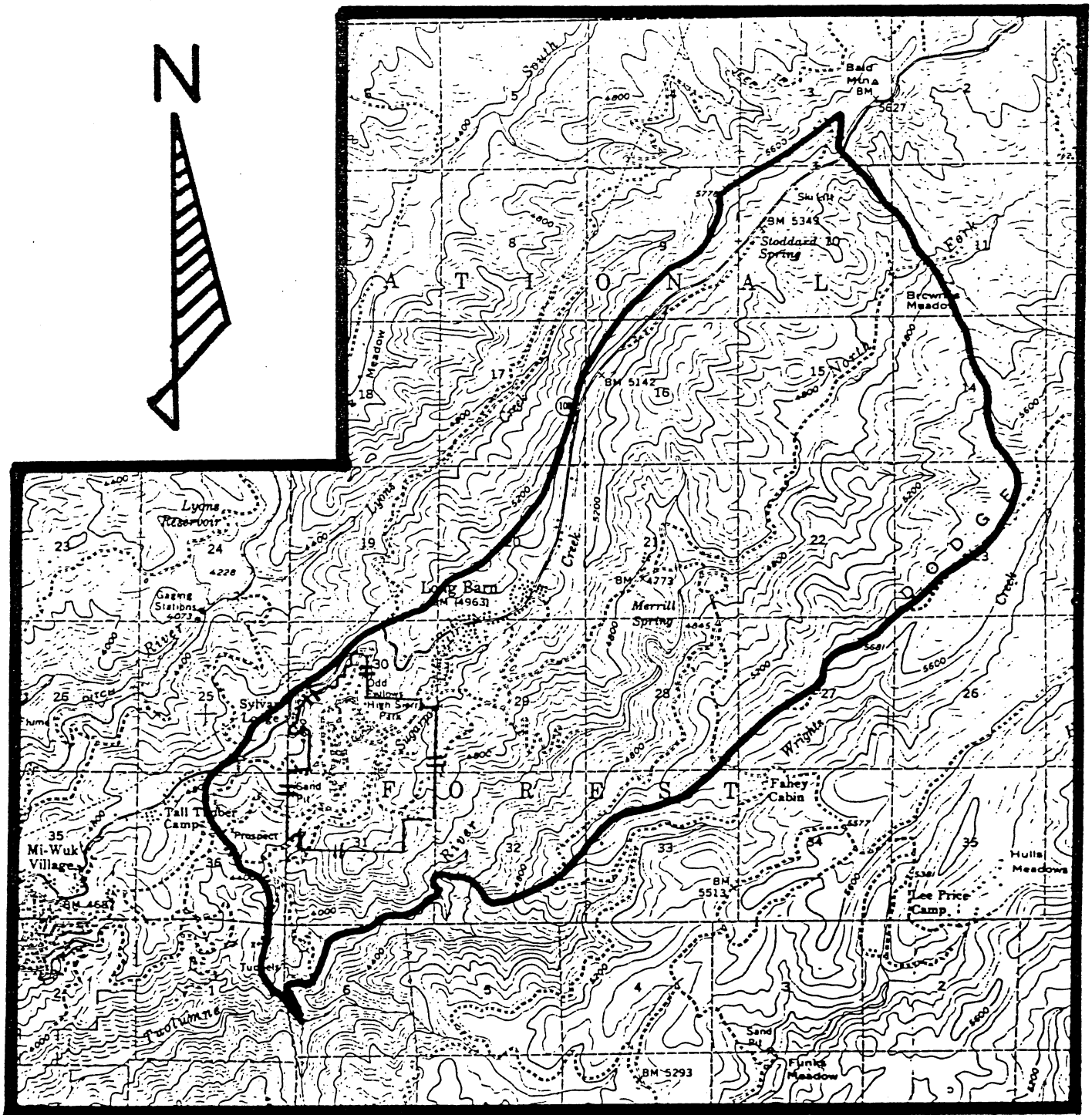
The Plan area contains a mixed conifer stand. The overstory vegetation is composed of Ponderosa Pine (Pinus ponderosa), Sugar Pine (Pinus lambertiana), White Fir (Abies concolor), Douglas-fir (Pseudotsuga menziesii), and Incense-cedar (Libocedrus decurrens). The understory vegetation is composed of younger and smaller conifer specimens, deer brush, bearclover, and limited occurrences of manzanita.

ODD FELLOWS SIERRA PARK

SECTIONS 30 & 31, T.3N., R.17E., MDM

SCALE: 1 inch = 5,208 feet

BIOLOGICAL & WATERSHED ASSESSMENT AREA MAP



PROJECT AREA

WATERSHED ASSESSMENT AREA