MINUTE ITEM
This Calendar Item No. 29
was approved as Minute Item
No. 29 by the State Lands
Commission by a vote of 3
to 0 at its 11-5-91
meeting.

CALENDAR ITEM

29

A 2

S 2

11/05/91
W 23900
S. Jones

INTERAGENCY PROJECT AGREEMENT
FOR PRESCRIBED BURNING

PARTY:

California Department of Forestry
and Fire Protection
Mendocino Ranger Unit
Attn: Kevin O'Neil
17501 N. Highway 101
Willits, California 95490

AREA, TYPE LAND AND LOCATION:

150 to 200 acres of the approximately 600 acres of chaparral type, on the 1,600-acre Van Arsdale School Land Management Unit located 15 miles northeast of Ukiah.

LAND USE:

Vegetation management, fuel hazard reduction, using prescribed burning.

TERMS OF PROPOSED AGREEMENT:

Initial period:

Terminate upon satisfactory completion of prescribed burn, but in no event will the term exceed three (3) years.

APPLICANT STATUS:

Applicant is lead agency of Cooperative Vegetation Management Program.

STATUTORY AND OTHER REFERENCES:

A. P.R.C.: Div. 6, Parts 1 and 2; Div. 13.

B. Cal. Code Regs.: Title 3, Div. 3; Title 14, Div. 6.

AB 884:

N/A

OTHER PERTINENT INFORMATION:

1. The California Department of Forestry and Fire Protection's Mendocino Ranger Unit's Vegetation Management Program for the North Potter Valley burn plan, which includes the State Lands Commission Van Arsdale Management Unit, will generally consist of rotational burning 25 to 30 percent of the chaparral type in the project area every five to seven years. The objective is to burn strips through the chaparral type which extends from the lower elevations to the ridgetops. The strip will average about 50 acres in size.

2. Jack Booth, biologist with the California Department of Fish and Game indicates that burning strips through the brush provides excellent habitat and transportation routes for the wildlife species which require early vegetation successional stages.

3. Kevin O'Neil, vegetation management coordinator with the California Department of Forestry and Fire Protection, indicates that burning strips also benefits their fire protection program. The strips become easy places to hold wildfires with minimum resource impacts because there is a greatly reduced need to build firelines with a dozer.

4. Burning has already begun on the private lands within the North Potter Valley burn plan area with much of the eastern portion completed.

5. The California Department of Forestry and Fire Protection agrees to indemnify and hold harmless the State Lands Commission against liability for damages of any nature arising out of the performance of the prescribed burn project. There will be no cost or expenses charged to the State Lands Commission concerning this project.

6. In December 1982, the Executive Officer of the State Lands Commission signed the Memorandum of understanding for Coordinated Resource Management Planning in California. This document encourages the State Lands Commission to enter into the Vegetation Management Program with the California Department of Forestry and Fire Protection.

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7. A Program Environmental Impact Report (EIR) was prepared and adopted for this project by the California Department of Forestry. This Program Environmental Impact Report and an environmental evaluation of each proposed project consisting of a Prescribed Burning Project Standard Agreement, Prescribed Burn Plan, Smoke Management Plan, Public Information Plan, and Environmental Checklist are used to comply with the California Environmental Quality Act (CEQA). These above documents are used to mitigate the environmental effects identified in the EIR and indicate what, if any, additional CEQA documentation is required. The Mendocino Ranger Unit has prepared the above-mentioned supplemental documents.

8. On file with the State Lands Commission are copies of the following documents:

   (a) Memorandum of Understanding for Coordinated Resource Management Planning in California

   (b) Chaparral Management Program, The Resources Agency, California Department of Forestry Final Environmental Impact Report SCH 80100262.

9. The Van Arsdale Management Unit was acquired from the Bureau of Land Management by exchange in 1986.

10. The Van Arsdale Management Unit does not contain lands which have been nominated as possessing significant environmental values pursuant to P.R.C. Section 6370, et seq.

EXHIBITS:

A. Land Description
B. Site Map
C. Location Map
D. Prescribed Burning Project Standard Agreement, Including Burn Plan, Smoke Management Plan, Public Information Plan and Environmental Checklist

IT IS RECOMMENDED THAT THE COMMISSION:

1. FIND THAT AN EIR HAS BEEN PREPARED AND ADOPTED FOR THE ACTIVITY BY THE CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION AND THAT THE COMMISSION HAS REVIEWED AND CONSIDERED THE INFORMATION CONTAINED THEREIN.

2. FIND THAT AN ENVIRONMENTAL CHECKLIST HAS BEEN PREPARED AND MITIGATION ADOPTED FOR THIS PROJECT (PRESCRIBED BURN) BY THE CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION AND THAT THE COMMISSION HAS REVIEWED AND CONSIDERED THE INFORMATION CONTAINED THEREIN.

3. AUTHORIZE THE EXECUTION OF THE PRESCRIBED BURNING PROJECT STANDARD AGREEMENT WITH THE CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION TO PROVIDE FOR VEGETATION MANAGEMENT THROUGH PRESCRIBED BURNING ON PORTIONS OF SCHOOL LAND AS DESCRIBED IN EXHIBIT "A" ATTACHED AND BY REFERENCE MADE A PART HEREOF.

4. AUTHORIZE COMMISSION STAFF, ON THE DAY OR DAYS OF THE BURN ON SCHOOL LAND, TO ASSIST IN THE COORDINATION OF THE PROJECT AND EVALUATE CONFORMANCE TO THE PRESCRIBED BURN PLAN.

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EXHIBIT "A"

W 23900

LAND DESCRIPTION

Parcels of State owned school lands situate in the Van Arsdale Forest, Mendocino County, State of California, more directly described as follows:

The W 1/2 of the NW 1/4; also the SW 1/4; of Section 30, T18N, R11W, MDM.

The N 1/2 of the NW 1/4 of Section 31, T18N, R11W, MDM.

The S 1/2 of the SW 1/4; also the NW 1/4 of the SW 1/4; also the SW 1/4; of the NW 1/4 of Section 13, T18N, R12W, MDM.

The E 1/2 of the SE 1/4; also the NW 1/4 of the SE 1/4; also the S 1/2 of the NE 1/4; also the SE 1/4 of the NW 1/4; also the N 1/2 of the SW 1/4; also the SW 1/4 of the SW 1/4 of Section 14, T18N, R12W, MDM.

The SE 1/4 of the SE 1/4 of Section 15, T18N, R12W, MDM.

The E 1/2 of the NE 1/4 of Section 22, T18N, R12W, MDM.

The NW 1/4 of the NW 1/4; also the NE 1/4 of the NE 1/4 of Section 23, T18N, R12W, MDM.

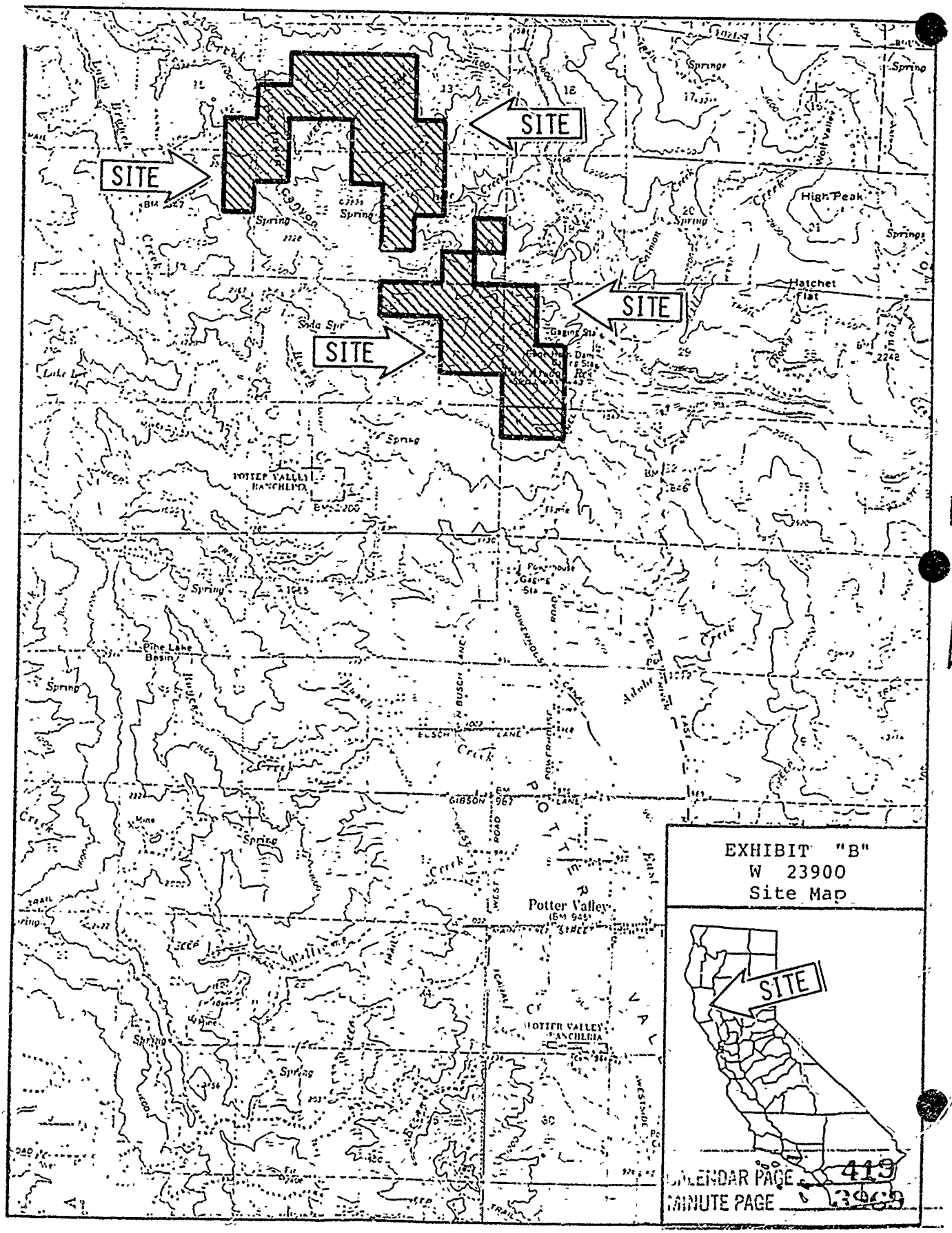
The NW 1/4; also the NW 1/4 of the SW 1/4; also the NE 1/4 of the SE 1/4; also the SW 1/4 of the SE 1/4 of Section 24, T18N, R12W, MDM.

The N 1/2 of the NW 1/4; also the NE 1/4; also the N 1/2 of the SE 1/4 of Section 25: all in T18N, R12W, MDM.

END OF DESCRIPTION

PREPARED OCTOBER, 1991; LAND LOCATION and BOUNDARY SECTION

LIBER PAGE 418
SUITE PAGE 3968


SITE
SITE
SITE
SITE
N
EXHIBIT "B"
W 23900
Site Map
SITE
CALENDAR PAGE 419
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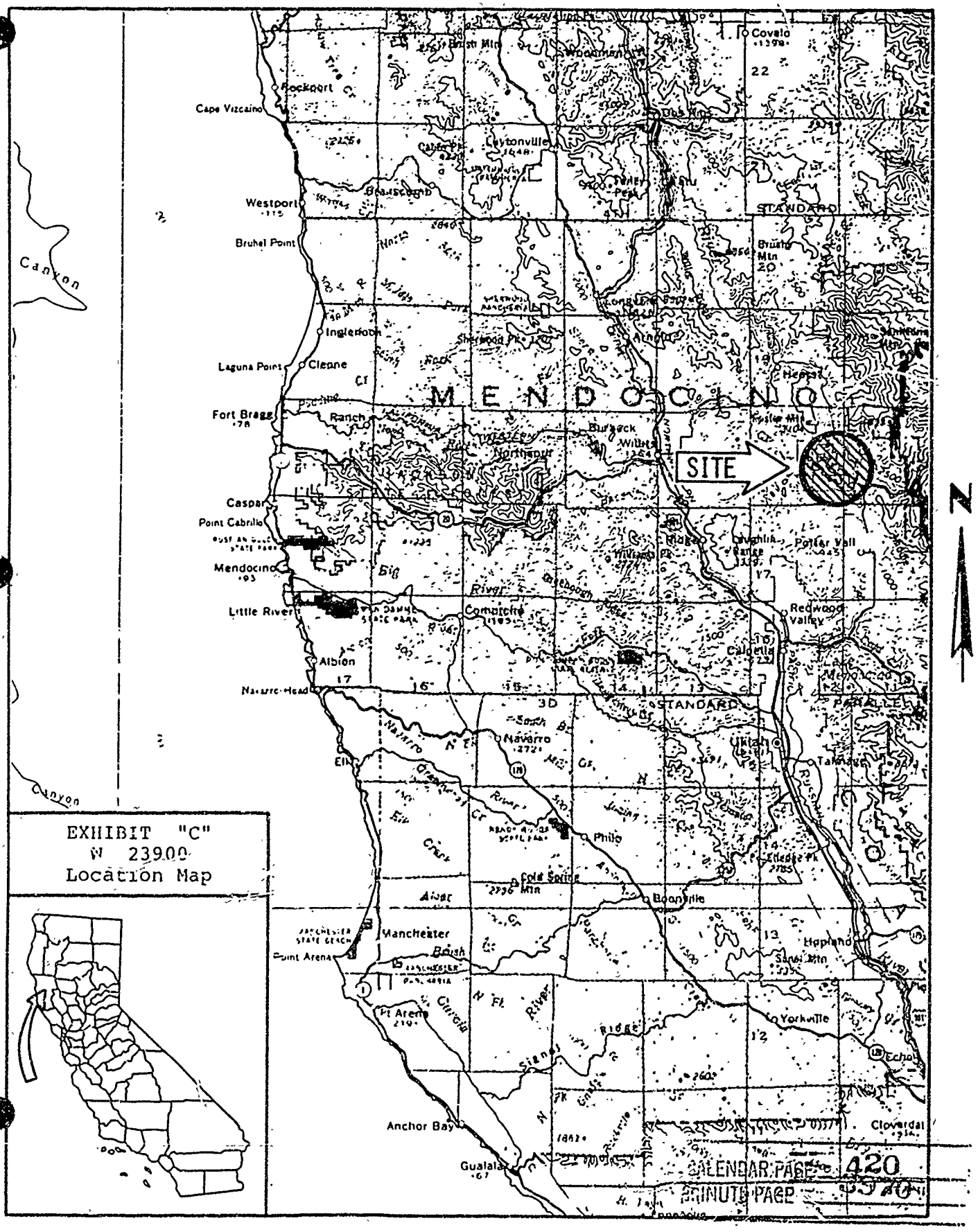
SITE
N
MENDOCINO
Cape Vizcaino
Rockport
Westport
Bruhel Point
Canyon
Inglenook
Laguna Point
Cleone
Fort Bragg
Ranch
Caspar
Point Cabrillo
Mendocino
Little River
Albion
Navarro Head
Navarro
Philo
Boonville
Manchester
Point Arena
Pt Arena
Anchor Bay
Gualala
Yorkville
Cloverdal
Covelo
Laytonville
Willits
Ukiah
Redwood Valley
Calpella
Hopland
Big River
Navarro River
Garcia River
Albion River
Noyo River
Ten Mile River
Big River
Russian River
Eel River
Outlet Creek
Gualala River
STANDARD
PARALLEL
EXHIBIT "C"
W 23900
Location Map

EXHIBIT "D"

STATE OF CALIFORNIA
RM-75 (New 1/88)

DEPARTMENT OF FORESTRY AND FIRE PROTECTION

PRESCRIBED BURNING PROJECT STANDARD AGREEMENT

Project Number: RX-I-019-MEU Agreement Number: RX-I-019-MEU-.01

Project Name: State Lands

THIS AGREEMENT made and entered into this 7th day of January 19 ____ by and between the State of California through the Director of the Department of Forestry and Fire Protection, hereinafter called "CDF", and

State Lands Commission

hereinafter called "Cooperator", is intended to provide for site preparation, prescribed burning, and necessary follow-up activities of an area owned or controlled by Cooperator as provided in Public Resources Code (PRC) 4475 et seq. The Prescribed Burn Plan for this Project is appended to and made part of this Agreement as Attachment 1.

WHEREAS Cooperator certifies that he, (she, they) own or control a proposed prescribed burn area delineated on a map incorporated within the Prescribed Burn Plan for this Project and that this burn area is within the County of Mendocino upon Assessor's parcel numbers 108-231-07, 108-231-10, 108-232-05, 108-232-14, 108-232-08, 108-233-05, 108-233-06, 108-233-08, 108-233-09, 172-050-01, 172-060-2, 171-150-01, 171-180-01, 172-290-01.; and

WHEREAS CDF certifies that the Project when successfully completed, will accomplish a purpose enumberated in PRC 4475; and

WHEREAS CDF has determined that the anticipated public benefit from the proposed project will exceed the foreseeable damage that could result from the proposed Project.

NOW THEREFORE, it is mutually agreed:

1. The term of this Agreement shall commence on the above date and will terminate upon satisfactory completion of the prescribed burning project, but in no event will the term of this agreement exceed three (3) years.

2. As provided in PRC 4475.5 and 4476, CDF will incorporate all estimated costs within the Prescribed Burn Plan for this Project and apportion the prorata responsibility for CDF and the Cooperator. CDF estimated costs of Project completion, as a portion of the total, will not exceed the ratio of public benefits to total benefits upon non-federal lands. The Cooperator, or other cooperators to CDF on this Project, accept the responsibility for the estimated costs of private benefits to be created concomitantly with the public benefits. The Cooperator's estimated prorata costs, which are itemized in the Prescribed Burn Plan, of the completed Project will be $ 246.16 in value.

3. Any equipment included in the Prescribed Burn Plan for this Project provided by the Cooperator to offset estimated prorata costs summarized in item #2 above will include all necessary operation, repair and maintenance expenses. All personnel similarly provided by the Cooperator shall be agents of the Cooperator for purposes of Workers' Compensation. Owner shall indemnify CDF and hold them harmless for any claims from the above agents. CDF is likewise responsible for its equipment and personnel.

7540-130-0115

4. Any Cooperator may, in lieu of providing materials, services or equipment to offset prorata costs for private benefits, establish a trust account or make a certificate of deposit payable to CDF for funds to equal the estimated prorata costs. Disbursement of any such funds to CDF shall be made within 15 days after satisfactory completion of specified work.

5. The Ranger Unit Chief which approves the Prescribed Burn Plan for this Project will designate an Incident Commander (IC) (fire boss in PRC 4476). This IC shall have final authority (a) to approve, amend, and implement the Prescribed Burn Plan, (b) to determine that the fuel and weather is suitable, and that all crews and equipment are ready, and (c) to direct all work assignments of public employees and persons furnished by the Cooperator until the prescribed burning is completed and the fire is declared out. The Ranger Unit Chief for this project is _____ Ray Hebard _____ .

6. The CDF agrees to indemnify and hold harmless the Cooperator against liability for damages of any nature arising out of the performance of this Prescribed Burning Project; provided the Cooperator provides CDF notice of any claim or inquiry arising as a result of activities of the Prescribed Burning Project within ten (10) days of receipt. In the same manner CDF agrees to indemnify any cooperating public entity that has entered into a "Fire Protection Cooperative Agreement" with CDF pursuant with PRC 4129.

This Agreement and the Prescribed Burn Plan represents the entire contract between CDF and Cooperator. The Project described within the Prescribed Burn Plan may incorporate several independent agreements with Cooperators or agencies. This Agreement may be amended at any time by mutual consent in writing. It may be cancelled by either party after giving 30 days advance notice. In the event Cooperator unilaterally terminates this Agreement, Cooperator shall be responsible for all planning and site preparation costs incurred by CDF prior to Termination.

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto, upon the date first above written.

STATE OF CALIFORNIA
Department of Forestry and
Fire Protection

COOPERATOR

SURNAME:

Revised 4/90

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
STATE OF CALIFORNIA

VEGETATION MANAGEMENT PROGRAM
PRESCRIBED BURN PLAN

PRESCRIBED BURNING PROJECT STANDARD AGREEMENT
ATTACHMENT 1

Statement of Purpose:

This plan incorporates the requirements of CCR 1563 a-g (Application) and CCR 1564 a-b (Cost Sharing Schedules). This Prescribed Burn Plan is intended to be an estimate and prediction of the outcome of applying fire under a prescription for fuel modification and/or other benefits described herein. The impacts of this Plan have been reviewed and found to be consistent with those anticipated in the Program Environmental Impact Report (PEIR) (SCH #80100262) filed on May 18, 1981. The environmental checklist is attached.

APPROVAL:

The Ranger Unit Chief will appoint an Incident Commander (IC) to function as the prescribed burn project manager or fire boss (PRC 4476c) with final authority to amend, approve and implement this Plan to achieve the project objectives. The components of this Plan will be recorded in the Incident Action Plan for the Project by the IC, and become a portion of the official record for this Project.

APPROVAL: Ray Hebrard
Signature of Ranger Unit Chief

SURNAME:

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			MINUTE PAGE 3973

PART A: ITEMS 1-9

PART A: ITEMS 1-9
PROJECT AND AREA DESCRIPTION

1. Project I.D.:

A. DATE: January 7, 1991

B. PROJECT NUMBER: RX-I-019-MEU

C. PROJECT NAME: State Lands

D. REGION: I RANGER UNIT: Mendocino
COUNTY: Mendocino RANGER DISTRICT: Ukiah

E. PROJECT IGNITION & CONTAINMENT PLAN prepared by (name and title):
Kevin O'Neil, Forester I
Carl Burton, State Forest Ranger I

F. PROJECT ENVIRONMENTAL CHECKLIST prepared by (name and title):
Kevin O'Neil, Forester I
Carl Burton, State Forest Ranger I

G. LIST OF AGENCIES SIGNATORY TO ATTACHED INTERAGENCY AGREEMENTS FOR PRESCRIBED BURNING (or n/a):
State Lands Commission

H. LIST OF PARTICIPATING PROPERTY OWNERS (or controllers).

None

2. Burn Area Description:

A. PROJECT LOCATION (narrative and legal description)
This project is located in the north end of Potter Valley. Portions of T.17N., R.12W. and T.18N., R.12W.

B. PARCEL ZONING AND CURRENT/FUTURE LAND USE
Rural residential and dry rangeland.

C. FIRE HAZARD SEVERITY ZONE (per CDF Manual of Instructions)
High

D. CFES WILDLAND RESPONSE AREA (per ECC Handbook)
I3

E. PROJECT AREA TOTAL (gross acreage)
1760 (approximate)

F. PROJECT AREA NET (VMP acres--estimate)
200 - 500

3. Environmental Setting and Impacts: (see instructions)

A. NARRATIVE DESCRIPTION OF THE PROPOSED PROJECT, OBJECTIVES AND METHODS
This project is located at the North end of Potter Valley, approximately 15 miles northeast of Ukiah. This project is being conducted along the guidelines developed in the coordinated resource plan prepared for this area. That plan recommends 950 acres per year be treated within the CRMP area. CDF has not conducted any rotational burning, as described in the plan, since 1985.

This project will be treated in conjunction with the North Potter Valley project (RX-I-017-MEU.) When burning this project burning will also occur on the North Potter Valley project. This burn plan is identical with the

424
3974

Project Name: STATE LANDS Project Number: PX-I-019-MEN

This burn plan is being prepared seperatly so as to allow the private land agreement to gain quicker approval and conduct some burning operations while waiting for this aggreement to be processed.

B. PROJECT TOPOGRAPHY, SLOPE AND ASPECT
Elevation - minimum 1200 feet
maximum 2900 feet
Aspect - all aspects will be involved. Most burning will occur on southerly aspects
Slope - range from 0 - 60%

C. SOILS DESCRIPTION AND SENSITIVITY TO PROJECT ACTIVITIES
Soil Conservation Service was involved with the development of the CRMP. According to the CRMP, laughlin as the principle brush and woodland soil and hugo as the principle timberland soil. Bare soil erosion hazard rating is moderate or less for all soils on slopes less than 30%. Yorkville and Yorktree soils, found in glades, are unstable and subject to landslides. A detailed report on soils found in the CRMP area can be found in the appendix of the CRMP.

D. VEGETATION COMMUNITY AND DOMINANT SPECIES
The primary vegetation community targeted is chaparral on southerly exposures. Chamise occupies 70-100% of the sites with manzanita, ceanothus, and other brush species mixed in. On more northerly slopes, conifer and hardwood stands dominate the vegetation community. Fire is expected to only minimumly impact these areas. Lower elevations have grassland bordering the chaparral stands.

Most burning will occur in pure chamise stands or mixed chaparral stands with a high chamise component.

E. WILDLIFE/FISHERIES HABITAT AND SENSITIVITY TO PROJECT ACTIVITIES
Memorandum from the Department of Fish and Game, dated 10/9/90, does not indicate that this project will have any undesirable effects on wildlife/fisheries.

F. CULTURAL RESOURCES AND SENSITIVITY TO PROJECT ACTIVITIES
Records search from the California Archaeological Inventory, dated 9/18/90, indicates prehistoric and historic sites within the project area. They recommended a site survey for the SE1/4 of Section 36, T18N, R12W and for the helispot location. This survey will be completed prior to burning.

G. SMOKE AND COMMUNITY SENSITIVITY TO PROJECT
The community of Potter Valley lays immediately south of the project area. This community primarily consists of rural residential housing and agricultural lands. Controlled burning a fairly common occurance and the community is not particularly sensitive to the smoke. Additionally, the smoke is expected to rise above the valley and have minimal impact.

Other communities potentially impacted by smoke include Redwood Valley, approximately 12 miles south-southwest, Ukiah Valley, approximately 18 miles south - southwest, Upper lake, approximately 18 miles southeast, and Lakeport, approximately 25 miles south-southeast.

H. PROJECT MAPS:
Project Perimeter Map

Project Name: STATE LANDS Project Number: RX-I-019-MEU

4. Burn Prescription

A. SCHEDULE: October - April, any day of the week,
Burn between 1000 and 1600 hours.
Quit burning by 1600 hours to allow smoke to disapate prior to evening cooling to cause smoke to settle in to Potter Valley.

B. FUEL DESCRIPTION: South slopes - chaparral and grass dominated
North slopes - timber and hard brush dominated
Target vegetation is the south slope chaparral.

1. FUEL TYPE AND CHARACTERISTICS

a. Fuel Model(s) Used: NFFL 4
b. Describe Vegetation Under 12" Tall
Chamise, Manzanita, Ceanothus, scrub oak and other mixed chaparral.
c. Describe Vegetation Over 12" Tall
Scattered oaks, madrones and conifers.
d. Fuel Arrangement (within and/or outside project)
Very little understory exists under the pure chamise stands.
In mixed stands perennials and annuals up to 10" occur.
Brush species on the south slopes extend up to 8 feet.
e. Fuel Continuity
Brush stands vary from continuous to non-continuous.
Grassy areas on south slopes tend to be continouous.
f. Surface Fuel Depth n/a
g. Duff Depth 0 - 2 inches

2. FUEL LOADING: 15 - 20 tons/acre

3. FUEL CONSUMPTION PLANNED: 80% of 1 and 10 hour fuels within 25-30% of the chaparral fuel type.

4. FUEL TREATMENT PLANNED: none

5. NARRATIVE
This project will be typical of non-fire season burn projects. We will attempt burn 25-30% of the chaparral vegetation type. No fire lines will be constructed, existing and natural fuel breaks will be used. Burning will be done when nighttime humidity recovery is anticipated to be sufficient to cause any active fire to lay down.

****

C. WEATHER AND FUEL MOISTURE:

1. WEATHER DATA COLLECTION: To be collected the day of burn only.

a. Location(s) Of Data Collection : To be determined
b. Data Collected: Temperature, Humidity, Wind speed and direction.
c. Sampling Period: Day of Burn
d. Forecasts: General Weather Forecast
e. Forecasting Entity: Redding Fire Weather
f. Specifications, Warnings: Look for significant nighttime RH recovery
g. Probability Of Adverse Weather: n/a
h. Additional Comments:

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Project Name: STATE LANDS Project Number: PX-I-013-MEU

2. PRESCRIPTION FOR FUEL MOISTURE, WEATHER, AND SOILS

a. Relative Humidity (%): 20-50%

b. Air Temperature (Dry Bulb °F): 55-80

c. Wind Direction: N-S

d. Wind Speed (mph): 5-15

e. Fuel Moisture - 1 Hr (%) 4-7
10 Hr (%) 6-12
100 Hr (%) 8-15
1000 Hr (%) n/a
Herb Fuel Moisture n/a
Live Woody Fuel Moisture 55-90

f. Soil Moisture: n/a

g. Duff Moisture: n/a

h. Precipitation and Days Since Rain: No rain within 5 days prior

****

5. Fire Behavior Predictions

A. Enter outputs generated by computer calculations (in BEHAVE) using input parameters listed in the fire prescription above or describe other methods used:

1. FIRE LINE INTENSITY (btu/ft/sec): 150-6200

2. RATE OF SPREAD (ch/hr): Head 90-120
Backing 4-9

3. FLAME LENGTH (ft.) Target 5
Max. 30

4. SCORCH HGT: (ft.) Target n/a
Max.

5. PROBABILITY OF IGNITION: 50-70 = Acceptable spot fire ign.

6. BURNOUT TIME (Hrs.) Target 2
Acceptable 8

7. OTHER:

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Project Name: STATE LANDS Project Number: RX-I-01?-MEU

6. Smoke Management Plan

A. AFFECTED AREAS AND CONDITIONS

1. AIR POLLUTION CONTROL DISTRICT (AIR QUALITY MGMT DISTRICT):
Mendocino County Air Pollution Control District
2. AIR BASIN: Northcoast

3. SMOKE SENSITIVE AREAS:

Potter Valley	1 mile	south
Redwood Valley	12 miles	southwest
Ukiah Valley	18 miles	southwest
Upper Lake	18 miles	southeast
Lakeport	25 miles	southeast

4. AIR QUALITY CONDITIONS: none

B. SMOKE DISPERSAL PLAN:

1. WIND DIRECTION @ Burn site: any
@ Venting hgt.: any @ Burnout: any

2. VENTING ELEVATION: 6000 feet msl

3. VISIBILITY FACTORS @ Burn site: none
Smoke dispersal areas: none

4. NARRATIVE: This is a typical non season burn which may involve 2-3 days of helitorch burning and several days of hand burning, if needed, to clean up areas missed with the helitorch. Potential problems associated with the smoke produced will vary depending on the type of burning.

Helitorch burning is expected to produce a significant convection column, which should rise to at least 6000 feet msl. Up to 1000 acres per day may be burned with the helitorch. When burning with the helitorch, smoke should carry beyond Potter Valley and could impact distant targets. Care must be taken on these days that smoke does not head directly at any of the smoke sensitive areas unless transport winds and other conditions, such as inversion

s,

are such that the smoke sensitive areas are not impacted to the extent practicable.

Hand burning will treat much less area per day and will not produce as high a convection column as helitorch burning. It is much more likely that the smoke produced from hand burning will impact the Potter Valley area than any distant targets. When hand burning atmospheric conditions need to be such as to encourage mixing and good local dispersal of the smoke. Localized inversions may cause significant problems.

7. PUBLIC INFORMATION PLAN (see instructions)

SFR I to notify local fire districts and Mendocino County APCD.
CDF Fire Prevention Staff will notify local news media as appropriate.

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Project Name: STATE LANDS Project Number: RX-I-01?-MEU

8. PROJECT TASKS OF PREPARATION (assignments for each cooperator)

CDF staff will arrange and conduct on site inspections for archaeological surveys as recommended. No burning will be conducted untill these inspections are completed.

No firelines are planned for construction.

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--LIST OF ATTACHMENTS--

9. APPORTIONMENT OF BENEFITS (attached with Computation of Costs--see instructions for Lotus software)

10. PART B: PROJECT COST SUMMARY (for use with Lotus software)

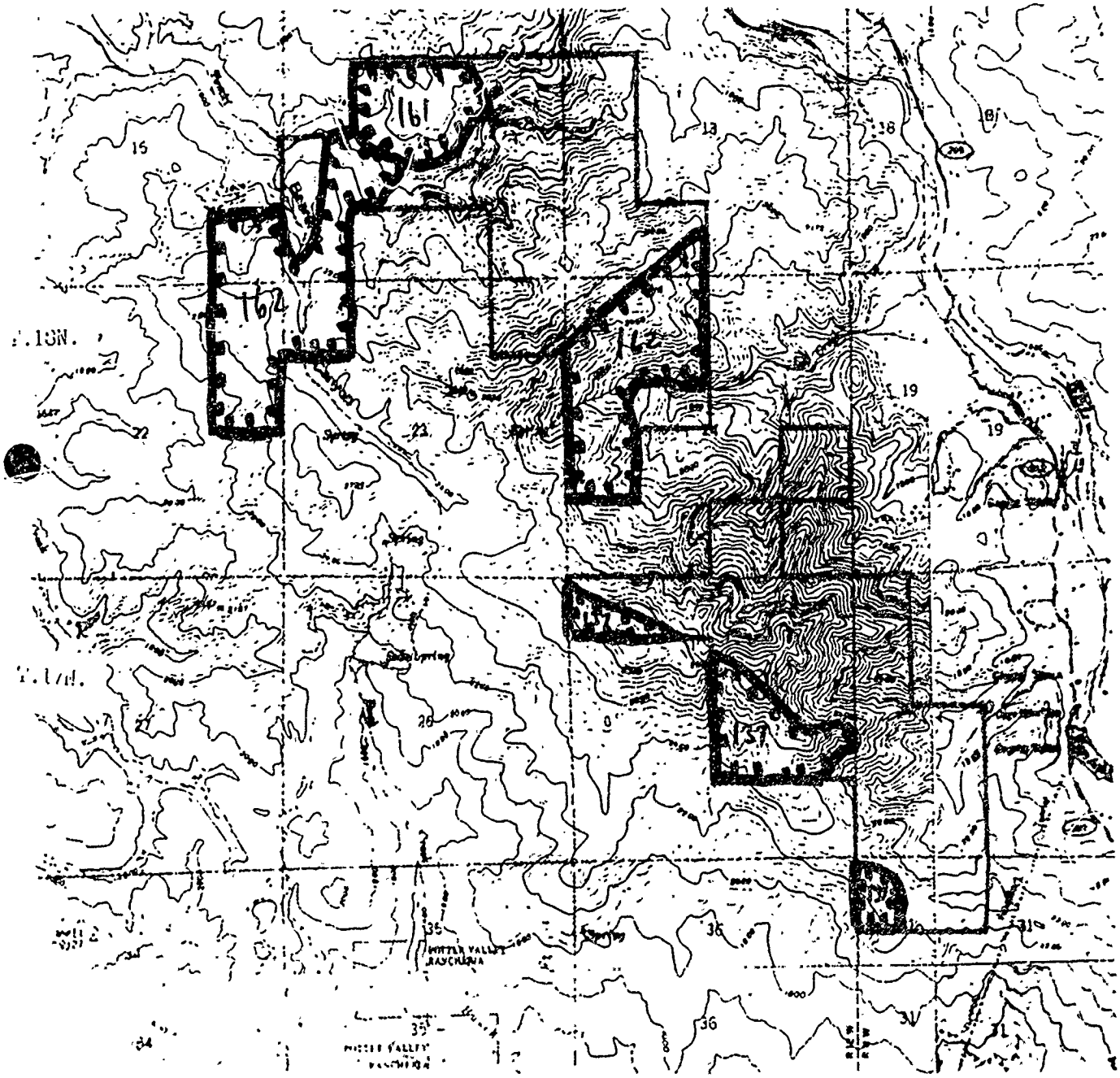
PART C: ENVIRONMENTAL CHECKLIST

* * *

(Other Attachments)

__X__ (#) RM-75 Agreements for Prescribed Burning
_____ (#) Interagency Agreements

STATE LANDS VMP
PROJECT PERIMETER MAP



LANDLINES ARE APPROXIMATE

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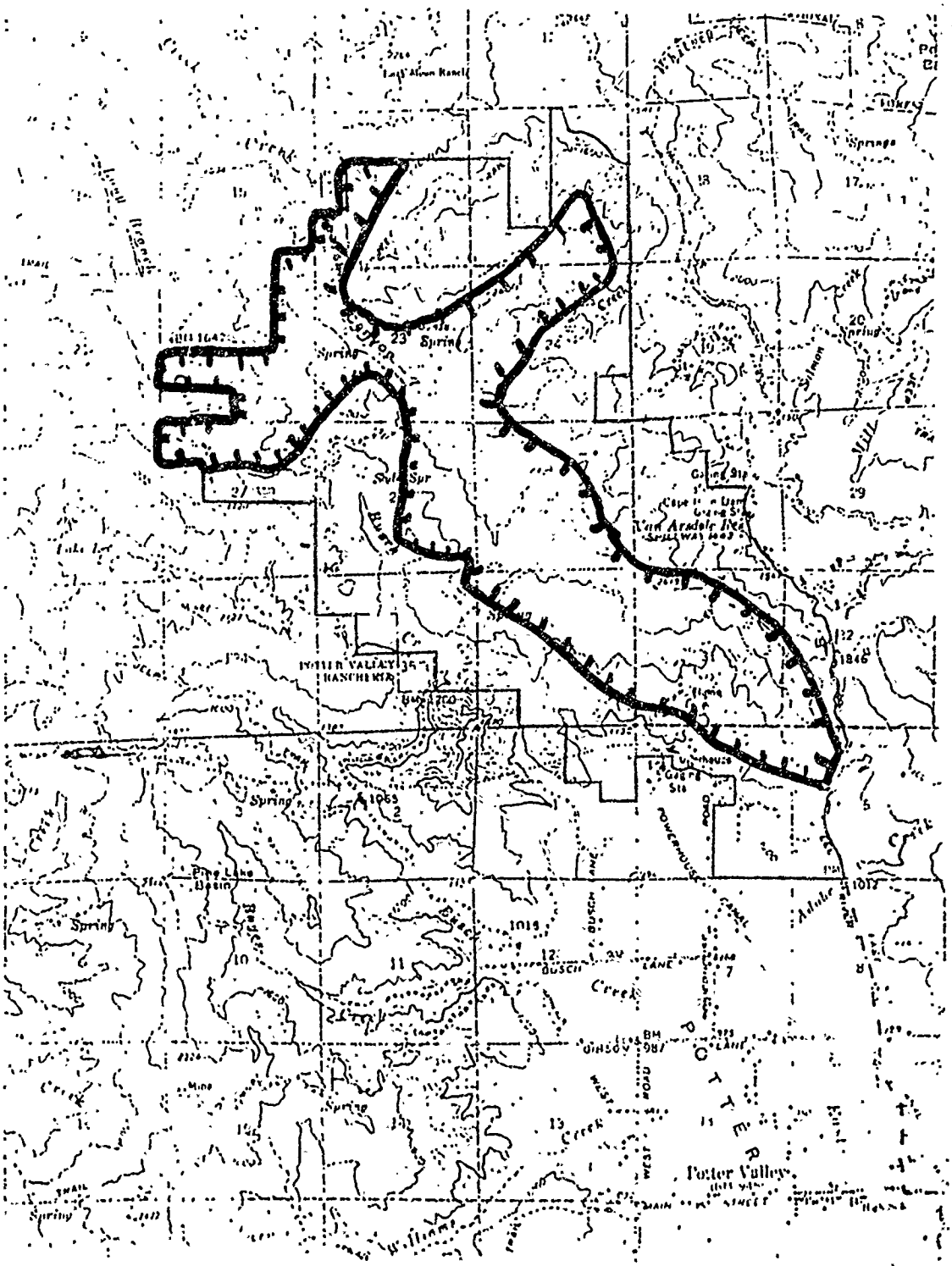
North Potter Vally VMP
Project Perimeter Map



BOOK PAGE 431
SITE PAGE 3981

* (Part B-Item 10. of the VMP Burn Plan) *
* Projname STATE LANDS *
* Projnum RX-1-019-MEU *

No. Contrib. Cooperators: 1

APPORTIONMENT OF COSTS
(REFER TO OPERATING PROCEDURES/COST SHARE TABLES)

	PUBLIC BENEFITS	PRIVATE BENEFITS
1. FIRE HAZARD REDUCTION	15	1
2. WATER YIELD	1	0
3. WATERSHED STABILIZATION WITH RESPECT TO LARGE FIRES	0	0
4. WILDLIFE HABITAT IMPROVEMENT	15	6
5. FISHERIES HABITAT IMPROVEMENT	0	0
6. AIR QUALITY PROTECTION/ IMPROVEMENT	2	0
7. RANGE FORAGE IMPROVEMENT	0	0
SUM OF RATIOS = FIELD SCORE	33	1
FORMULA: MAX CDF SHARE %	97%	3%
PROPSD CDF/PRIV SHARE % (automatic): actual cdf share...	91%	9%
ESTIMATED PROJECT COST: $2,609.14	$2,362.98 (CDF)*	$246.16 (coop)

(*Totals automatically entered upon worksheet completion)

COST SUMMARY*

	A CDF	B "COOP"	C Actual CDF	D Actual "COOP"
Personnel	$1,054.24	$246.16		
Equipment	$1,308.74	$0.00		
pplies	$0.00	$0.00		
ash (WHO): _____		$0.00		$0.00
_____		$0.00		$0.00
Sub-Totals from worksheet:	$2,362.98	$246.16		
Sub-totals with cash:	$2,362.98	$246.16		
Total Project Cost.....				
(A+B) Estimated Total:	$2,609.14			
(C+D) Actual Total:				

ENTER TOTAL COST SPLIT BY COOPERATOR:

Please List:	Est. Split		Actual Split
CDF/CFD:	$2,362.98		
AGNCYS (who?): _____	$0.00	(from coop	$0.00
_____	$0.00	(list only!	$0.00
_____	$0.00	(no new $$	$0.00

CONTRIBUTING COOPERATORS*:	Est. AMOUNTS:	Actual AMOUNTS:
1 STATE LANDS COMMI	$246.16	
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

1a. CDF/CO. FIRE DEPT.: $2,362.98

CDF/CFD PERSONNEL:	Num	Hours	Rate/Hr	Est. Cost
SFR II	0	0.0	$0.00	$0.00
SFR I	1	4.0	$30.75	$123.00
Fire Capt A	4	4.0	$18.25	$292.00
Fire Capt B	0	0.0	$0.00	$0.00
Pilot	1	4.0	$26.46	$105.84
Fire App.En	4	4.0	$15.85	$253.60
FF II	0	0.0	$0.00	$0.00
FF I	3	4.0	$13.06	$156.72
H.F.E.O.	0	0.0	$0.00	$0.00
For II	0	0.0	$0.00	$0.00
For.I	1	4.0	$30.77	$123.08
Other:	0	0.0	$0.00	$0.00
Other:	0	0.0	$0.00	$0.00
Other:	0	0.0	$0.00	$0.00
Other:	0	0.0	$0.00	$0.00
Personnel Sub-Total				$1,054.24

CDF/CFD EQUIPMENT:	Num	Est. Hr./Mi	Rate Hr/Mi	Daily Rate	Est. Days	Est. Cost
Helicopter	1	2.0	$600.00			$1,200.00
Fixed Wing	0	0.0	$0.00			$0.00
FTH-1	0	0.0	$0.00	$0.00	0.0	$0.00
FTH-8	0	0.0	$0.00	$0.00	0.0	$0.00
FTH-9	1	10.0	$1.69	$26.19	0.5	$30.00
FTH-12	0	0.0	$0.00	$0.00	0.0	$0.00
FTH4-4	0	0.0	$0.00	$0.00	0.0	$0.00
FTH4-5	1	10.0	$2.06	$28.57	0.5	$34.89
FTH4-10	0	0.0	$0.00	$0.00	0.0	$0.00
PU 2x4	0	0.0	$0.00	$0.00	0.0	$0.00
PU-4x4	2	30.0	$0.29	$5.97	0.5	$23.37
SU-4x4	0	0.0	$0.00	$0.00	0.0	$0.00
REC-4x4	0	0.0	$0.00	$0.00	0.0	$0.00
BDM	0	0.0	$0.00	$0.00	0.0	$0.00
BDL	0	0.0	$0.00	$0.00	0.0	$0.00
TRM	0	0.0	$0.00	$0.00	0.0	$0.00
TRL	0	0.0	$0.00	$0.00	0.0	$0.00
BDSU	0	0.0	$0.00	$0.00	0.0	$0.00
HTSU	1	15.0	$0.70	$19.97	0.5	$20.49
STK	0	0.0	$0.00	$0.00	0.0	$0.00
CCV	0	0.0	$0.00	$0.00	0.0	$0.00
WTM	0	0.0	$0.00	$0.00	0.0	$0.00
WTL	0	0.0	$0.00	$0.00	0.0	$0.00
MST	0	0.0	$0.00	$0.00	0.0	$0.00
VAN	0	0.0	$0.00	$0.00	0.0	$0.00
Other:	0	0.0	$0.00	$0.00	0.0	$0.00
Other:	0	0.0	$0.00	$0.00	0.0	$0.00
Other:	0	0.0	$0.00	$0.00	0.0	$0.00
Other:	0	0.0	$0.00	$0.00	0.0	$0.00
Other:	0	0.0	$0.00	$0.00	0.0	$0.00
CDF/CFD Equipment Sub-Total						$1,308.74

SUPPLIES:	Amount	Rate	Est. cost
Gasoline (gal)	0.0	$0.00	$0.00
Diesel (gal)	0.0	$0.00	$0.00
Fuel Mix (gal)	0.0	$0.00	$0.00
Surefire (lb)	0.0	$0.00	$0.00
Grenades (dz)	0.0	$0.00	$0.00
Meals #	0.0	$0.00	$0.00
Quads	0.0	$0.00	$0.00
Ortho	0.0	$0.00	$0.00
Photocopies	0.0	$0.00	$0.00
Postage	0.0	$0.00	$0.00
Arch Survey	0.0	$0.00	$0.00
NDDB check/surveys	0.0	$0.00	$0.00
Other:	0.0	$0.00	$0.00
Other.	0.0	$0.00	$0.00
Other:	0.0	$0.00	$0.00
Other:	0.0	$0.00	$0.00
Supplies Sub-Total:			$0.00

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OWNER #1 STATE LANDS COMMISS..... $246.16

PERSONNEL:	Nmb Hrs.	Rate/Hr	Est Cost
For.Rang I, E.F.F.	1 8.0	$30.77	$246.16
Fire Capt, E.F.F.			
Fire App Eng, E.F.F.			
Fire Cntl Asst, E.F.F.			
Fire Fghtr, E.F.F.			
Heavy Eqpt Op, E.F.F.			
Dozer Operator			
Tender (fuel/water)			
Other:			
Other:			
Other:			
Other:			
Other:			

Sub-Total $246.16

Enter Daily=d Hrly=h

EQUIPMENT:	Nmb Rate Hr/Mi	Daily Rate	? Days/ Hours	Est. Cost
Pick-up 4x2			d	
Pick-up 4X4			d	
Jeep			d	
Transport			d	
Dozer (50-99 HP)			d	
Fuel Tender			d	
H2O Tndr.(500-999 gal)			d	
Fire Engine			d	
Helicopter			d	
Other:			d	
Other:			d	
Other:			d	
Other:			d	
Other:			d	

Sub-Total

SUPPLIES:	Amt.	Rate	Est. Cost
Gasoline (gal)			
Diesel (gal)			
Fuel Mix (gal)			
Surefire (lb)			
Meals #			
Other:			
Other:			
Other:			

Sub-Total

TOTAL $246.16

OWNER #2 (NONE)

PERSONNEL:	Nmb Hrs.	Rate/Hr	Est. Cost
For.Rang I, E.F.F.			
Fire Capt, E.F.F.			
Fire App Eng, E.F.F.			
Fire Cntl Asst, E.F.F.			
Fire Fghtr, E.F.F.			
Heavy Eqpt Op, E.F.F.			
Dozer Operator			
Tender (fuel/water)			
Other:			
Other:			
Other:			
Other:			
Other:			

Sub-Total

Enter Daily=d Hrly=h

EQUIPMENT:	N Rate Hr/Mi	Daily Rate	? Days/ Hours	Est. Cost
Pick-up 4x2			d	
Pick-up 4X4			d	
Jeep			d	
Transport			d	
Dozer (50-99 HP)			d	
Fuel Tender			d	
H2O Tndr.(500-999 gal)			d	
Fire Engine			d	
Helicopter			d	
Other:			d	
Other:			d	
Other:			d	
Other:			d	
Other:			d	

Sub-Total

SUPPLIES:	Amt.	Rate	Est. Cost
Gasoline (gal)			
Diesel (gal)			
Fuel Mix (gal)			
Surefire (lb)			
Meals #			
Other:			
Other:			
Other:			
Other:			

Sub-Total

TOTAL

Project Name: STATE LANDS Project Number RX-1-019-MEU

PART C. PRESCRIBED BURN PLAN
11. ENVIRONMENTAL CHECKLIST (SCH #80100262)
(Revised 6/90)

.01 EFFECT (Water Resources): Will the removal of vegetative cover result in increased water runoff on slopes and subsequent adverse effects on water quality or other resources?

NO

*MITIGATION: (Effect .01)

--Geologic hazard areas will not be burned.

**OTHER CONDITIONS: (Effect .01)

--There is an existing buffer strip of vegetation between the project site and any water course that will prevent degradation of water quality or watershed values.

.02 EFFECT (Water Res.): If burning in a perennial watercourse, lake, or reservoir, will the removal of vegetative cover or other phases of the proposed project significantly increase turbidity or deposition of sediment?

NO

*MITIGATION: (Effect .02)

--Riparian vegetation will not be disturbed.

**OTHER CONDITIONS: (Effect .02)

--There is an existing buffer strip of vegetation between the project site and any water course that will prevent degradation of water quality or watershed values.

.03 EFFECT (Water Res.): If removal of watercourse shading is planned, will this project cause a significant increase in water temperature that is detrimental to fish?

NO

*MITIGATION: (Effect .03)

--Riparian vegetation will be not be disturbed.
--Any vegetation affecting maintenance of stream shade and temperature will not be disturbed.

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TE PAGE 3984

.04 EFFECT (Water Res.): If using heavy equipment on unstable soils, will this project cause landslides or slope failure?

NO

*MITIGATION: (Effect .04)

--Heavy equipment will not be allowed on current or potential slide areas.

.05 EFFECT (Water Res.): Will this project cause slash or woody debris to be deposited in a watercourse, lake or reservoir?

NO

*MITIGATION: (Effect .05)

--All watercourses and areas below lake transition zone will be kept free of slash and debris. Accidental deposits will be cleaned up. (Needed erosion control structures, such as gully plugs or erosion control devices may be installed to prevent accelerated erosion as needed.)

**OTHER CONDITIONS: (Effect .05)

--There is an existing buffer strip of vegetation between the project site and any water course that will prevent degradation of water quality or watershed values.

.06 EFFECT (Water Res.): Are there any other circumstance or site conditions present in this project as designed that have not been mitigated to avoid adverse impacts on water quality?

NO

*MITIGATION: (Effect .06)

--Article 6 of the Program Regulations (Resource Protection Guidelines) will be followed. The site-specific measures to be applied under Article 6 are listed below under "Other Conditions".

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NOTE PAGE 3985

.07 EFFECT (Soils/Water quality): If this project will use a heavy disk, root or brush rake or dozer blade, and/or if this project incorporates low-blade crushing, anchor chains, or ball-and-chaining of vegetation such as for fuel treatment or control line construction; will this project result in excessive soil disturbance, soil compaction, accelerated erosion or soil deposition in watercourses?

NO

*MITIGATION: (Effect .07)

--No heavy equipment, soil, or brush berms will be allowed within 50 feet of a watercourse or lake transition zone.
--Equipment will not be allowed on soils when the moisture content is at/or above field capacity.
--Buffer strips of vegetation will be left between treated areas and watercourses.
--Vegetation in natural drainages will be left to trap sediment.

**OTHER CONDITIONS: (Effect .07)

--Heavy equipment will not be used.

.08 EFFECT (SOIL STABILITY): Will the project disturb any geologic hazard areas within or adjacent to the project?

NO

*MITIGATION: (Effect .08)

--Geologic hazard areas are marked and will be avoided.

**OTHER CONDITIONS: (Effect .08)

--No geologic hazard areas were identified within the project area.

.09 EFFECT (Vegetation): If burning large areas of mature chaparral vegetation during winter or spring; will this project cause low regeneration and depletion of available wildlife forage?

NO

*MITIGATION: (Effect .09)

--The project will be burned in a pattern to create and maintain a mosaic of old and young growth with diverse habitat structure.

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NOTE PAGE 3986

.10 EFFECT (Seasonal impacts on vegetation): If burning dense stands of chaparral occurring upon woodland soils in winter or spring: will this project cause significant adverse effects on plant regeneration and/or loss of wildlife habitat in oak woodlands?

NO

*MITIGATION: (Effect .10)

--Trees will be protected through use of a cool prescription and/or clear around trees for protection.

.11 EFFECT (Vegetation): Same as question 10, except will burning in summer or fall cause a significant loss of wildlife habitat and/or damage to oak woodlands?

NO

*MITIGATION: (Effect .11)

--Trees will be protected through use of a cool prescription and/or clearing around trees for protection.
--Burn will maintain islands and strips of chaparral to provide thermal protection and escape cover for wildlife.

.12 EFFECT (Vegetation): If burning in areas with oak or conifer overstory: will this project result in undesired adverse effects on conifer and/or oak tree survival?

NO

*MITIGATION: (Effect .12)

--Conifer and/or oak trees will be protected through use of cooler prescriptions and/or chaparral understory will be cleared away from trunks.

.13 EFFECT (Habitat/veg.): Will the proposed project result in a reduction in oak trees that could adversely affect wildlife habitat, species diversity, or a cumulative lack of oak regeneration in the area?

NO

*MITIGATION: (Effect .13)

--Fire will be low-intensity and is not expected to harm trees.

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3987

.14 EFFECT (Wildlife): Will this project result in significant detrimental effects on wildlife habitat by creating a large homogeneous ecotone with no mosaic or strips of unburned vegetation?

NO

*MITIGATION: (Effect .14)

--The project will be burned in a pattern to create and maintain a mosaic of old and young growth with diverse habitat structure.
--Adjacent areas will be burned only after project site recovers sufficiently to create a pattern of young and old growth with diverse habitat structure.

.15 EFFECT (Wildlife): Will any rare or endangered plant or animal species be adversely affected by this project?

NO

*MITIGATION: (Effect .15)

--The project area and vicinity is not known or suspected of being used by species of plants or animals classified as rare or endangered.

.16 EFFECT (Wildlife): Could burning this project as planned cause significant negative impacts to known and occupied habitats of rare, endangered, threatened, or sensitive species?

NO

*MITIGATION: (Effect .16)

--The project area and vicinity is not known or suspected of being used by species of plants or animals so classified.

.17 EFFECT (Wildlife): Will the proposed project disrupt critical deer migration corridors or critical habitats of any game species?

NO

*MITIGATION: (Effect .17)

--No adverse impacts to critical habitat are anticipated from burning this project as proposed.

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.18 EFFECT (Wildlife/Vegetation): Will this project result in undesired changes in vegetation character or other adverse impacts to riparian plants, fish, or wildlife habitat?

NO

*MITIGATION: (Effect .18)

--Additional reasons:

No fire will be intentionally introduced into the riparian zones.

.19 EFFECT (Air Quality): Will smoke from the project create a significant hazard to human health or safety?

NO

*MITIGATION: (Effect .19)

--Through coordination with the local Air Poilution Control District (APCD), the project has been rated for air pollution potential, and an appropriate Smoke Management Plan has been prepared that will minimize the air quality impacts of this project (See attached Smoke Management Plan--section of the Burn Plan.)

OTHER CONDITIONS: (Effect .19)

--Additional reasons:

The Mendocino County APCD was consulted in the initial planning phase of this project. No comments were received. Burning will be in complaince with regulation 2 for the North Coast Air Basin.

.20 EFFECT (Archaeology): Will archaeological, cultural, or historical resources be adversely affected by this project?

NO

*MITIGATION: (Effect .20)

--A record search by the Regional Officer of the California Archaeological Inventory is attached (See "Other Conditions for findings".)
--Soil will not be disturbed in areas where this would harm the resources.
--Specific sites will be left unburned if burning would tend to degrade the resources.

--Additional reasons:

--Recommended site surveys will take place prior to implementation.

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Project Name: STATE LANDS Project Number: [illegible]

.21 EFFECT (Survey Markers): Are land survey markers vulnerable to damage or destruction during vegetation treatment or burning within the proposed project area?

NO

*MITIGATION: (Effect .21)

Known survey markers are protected from project impacts by excluding heavy equipment and fire from the vicinity of known markers.

**OTHER CONDITIONS: (Effect .21)

There are no known land survey markers within the project area that would be affected by project activities.

--Additional reasons:

.22 EFFECT (Visual): If any part of the proposed project be located upon highly visible slopes; is this project of such a size and design as to cause significant visual distraction and/or loss of aesthetic value?

NO

*MITIGATION: (Effect .22)

--Straight line boundaries and other strong linear configurations will be avoided as much as feasible.
--Area will not be 100% cleared through burning operations; unburned areas will be left to add textural variety.
--Natural or existing features will be followed, such as streamcourses, vegetation type lines, ridgetops,etc.

*****

CHECKLIST PREPARED BY:	TITLE:
Kevin O'Neil	Forester I
Carl Burton	State Forest Ranger I

Attachments: (x)

_X_ Request for reviews: _X_ Archaeologic
_X_ Wildlife
_X_ Water Quality
_X_ Air Pollution

— Results of Natural Diversity Data Base check
— Recommendation by CDF staff archaeologist
— Archaeologic survey results
_/_ Recommendation of DFG biologist(s)
— Other comments or letters (list)

State of California

Kevin
The Resources Agency

Memorandum

To : Mr. Ray Hebrard, Ranger Unit Chief
Department of Forestry and Fire Protection
Mendocino Ranger Unit
17501 N. Highway 101
Willits, CA 95490

Date: October 9, 1990

From : Department of Fish and Game

Subject : Proposed VMP Project, Potter Valley - Redwood Valley, Mendocino County

Department of Fish and Game personnel have reviewed the proposed VMP project in the Potter Valley - Redwood Valley Coordinated Resource Plan area and have the following comments:

1. The project will benefit deer and other wildlife species that require early successional vegetation stages.

2. Peregrine falcons and bald eagles use the plan area for foraging, however, the proposed project will not impact either negatively.

3. There are no other known rare or endangered species on these project areas. If spotted owls are present in the project area, the VMP burning is not expected to impact them.

4. No burning should be conducted within the streamside protection zone as it would be applied on a timber harvest plan in this area.

If you have questions regarding our comments, please contact Mr. Jack Booth, Wildlife Biologist, at (707) 468-0639.

for Brian Hunter
Regional Manager
Region 3

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3991

To: Daniel Foster
State Archaeologist II
CDF Archaeology Program Manager
1416 Ninth Street, Room 1516-22
P.O. Box 944246
Sacramento, CA 94244-2460

January 6, 1991

From: Mark Gary
P.O. Box 132
Calpella, CA 95418

Subject: Archaeological Review of Proposed North Potter Valley VMP, Mendocino County (RX I-017 MEU)

On Friday, January 4, 1991 I conducted an Archaeological Review of the Proposed North Potter Valley VMP (RX-I-017-MEU). I was accompanied in the field by Kevin O'Neil, Carl Burton and Bruce Strickler (all CDF Mendocino Ranger Unit). The purpose of the review was to evaluate potential impacts to significant cultural resources by proposed Vegetation Management Program activities, attempt to locate an historic homestead noted on the 1882 GLO Plat Map and make recommendations, if necessary, for the protection of significant discoveries.

Bruce Strickler is a resident of the project vicinity, knows the ground, and intoduced me to several land owners involved in the proposed controlled burn. The owners; Guiness McFadden, Don and Dan Todd, and Ken Stroh were interviewed concerning the presence/absence of historic structures in the project area. Bruce guided the inspection team to homestead remains and orchards that he remembered visiting when he was a boy. I want to thank the owners, and particularly Bruce, for their co-operation in the archaeological review.

The Northwest Information Center, Sonoma State University, stated that burning is "not anticipated to adversely affect prehistoric cultural resources," but "it does adversely affect historic cultural resources." A check of the records indicates the J. Camert house and Little Lake/Potter Valley Road located in the project area. Also, the Van Arsdale Dam and related features (CA MEN 2274H) are located in the project area, and they recommend site boundaries and structures be flagged, with a buffer zone, and excluded from the project. The NIC concludes there is a possibility that additional historic sites will be found in the unsurveyed portions of the project area. They recommend an archaeological field inspection for the J. Cambert house and [illegible] of any cultural resources.

The VMP proposes to burn patches of brush at the top of the ridge between Potter Valley and the Eel River. The project is scheduled for winter burning only, and no fire lines will be constructed. The exact timing will be determined by favorable wind conditions and temperatures sufficient to produce the needed convection to limit smoke pollution. The use of a helicopter for drip torching burning fuel will require the use of a helispot. The helispot involves refueling by tanker, and there is a possibility that the truck may bog down and create impacts to a prehistoric site. Thus, the review includes archaeological field inspection of several potential helispot locations.

In addition to the helispots, areas adjacent to the proposed burn area were surveyed for cultural resources. These areas were grassy midslope benches, some with water. The archaeological field inspection resulted in locating the homestead and orchard that Bruce had visited and the discovery of a previously unrecorded prehistoric site. The locations of the new sites, the potential helispot locations and areas covered by this survey are plotted on the attached map. The location of an archaeological site is considered confidential information, for planning purposes only, not for public access. Archaeological Site Records are attached to this report and have been assigned permanent tinomials by the Northwest Information Center.

Coble Homestead and Orchard (CA-MEN-2359H)
According to Bruce, a fire swept through the area in the 1940s and the Coble house was burned down. The structure today consists of milled lumber, shake roof and wire nails. It was built as a hunting cabin and measures 20'x20' with a simple peaked roof. The cabin has fallen, the wood rotted and the significance is considered low. There are various metal appliances and other historic artifacts within and around the house remains. The apple orchard adjacent to and uphill from the cabin could be 100 years old. Water has been piped from a spring reported to be about .5mi away. The vegetation consists of live oak and white oak and some conifer above the orchard. The soils are reddish and bare. Very little grass is present due to grazing and soils. The signs of a fire are present in the area northwest of the orchard. The fire died when it reached the bare soils of the orchard. The proposed burn area is located above this old burn and the orchard. The intent is to burn up the hill with the wind. In my opinion, the possibility of the project adversely affecting the orchard and cabin is very low. No fire line construction is needed.

A fig orchard, located about 1mi to the east of the cabin, is believed to be associated with the same cabin. There were no structure remains found in the vicinity of the fig trees. According to the interviews with the owners, no structures were known to be present below the fig orchard where the GLO Plat Map shows the J. Camert house. It has been my experience with GLO sites that the sections lines are not quite transferable to present day USGS maps. The location of the Coble site, 1mi away, may be the same as the J. Camert house. Coble may have acquired the property from Camert. This has not been investigated.

Prehistoric Flake Scatter (CA-MEN-2360)
Located at a mapped spring is a light scatter of Franciscan chert flakes. The area is [illegible] meters in diameter. The spring is year round and has been marginally developed. No recommendations for site protection are necessary.

Helispot Locations
Several ploughed fields on the Stroh Ranch were evaluated for use as helispots. Existing [illegible] lead to the fields and there are no cultural resources that will be impacted by the project.

Van Arsdale Dam (CA-MEN-2374H)
The Van Arsdale Dam and related structures are within the records search area, but not within the proposed burn area. The facilities are not expected to be impacted by the project.

Conclusions
Because this VMP is proposed for the winter, there will be no fire line construction. The helispot locations have been evaluated and pose no threat to cultural resources. Two sites encountered during the survey were recorded (CA-MEN-2359H and CA-MEN-2360) and evaluated for potential impacts, and none are expected. No recommendations for site protection are necessary, and no further archaeological study is needed at this time. The issues brought up by the NIC have been addressed, and there are no archaeological concerns that should prevent the North Potter Valley VMP from being approved.

Sincerely,

Mark Gary

Mark Gary

attach: Archaeological Survey Coverage and Site Location Map
Archaeological Site Records for Coble Place (CA-MEN-2359H) and Wire Grass Spring (CA-MEN-2360)

cc: Native American Heritage Commission, Sac
Kevin O'Neil, Mendocino Ranger Unit
D.G. Worder, Region I, Santa Rosa
Northwest Information Center, SSU
Thomas Layton, SJSU

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3994

California Archaeological Inventory

ALAMEDA
COLUSA
CONTRA COSTA
DEL NORTE
HUMBOLDT
LAKE
MARIN
MENDOCINO
MONTEREY
NAPA
SAN BENITO
SAN FRANCISCO
SAN MATEO
SANTA CLARA
SANTA CRUZ
SOLANO
SONOMA
YOLO

Northwest Information Center
Department of Anthropology
Sonoma State University
Rohnert Park, California 94928
(707) 664-2494

4 August 1990

File No.: 90-CDF-34

Ray Hebrard, Ranger Unit Chief
California Department of Forestry and Fire Protection
17501 North Highway 101
Willits, CA 95490

Re: Proposed North Potter Valley VMP, Mendocino County

Mr. Hebrard:

The records at the Northwest Information Center were reviewed to determine whether this CDF-VMP project could adversely affect cultural resources. The proposed project area contains five prehistoric archaeological sites [CA-MEN-800, -806, -807, -808, -1099 (consisting of an isolated burial)] and one historic archaeological sites (CA-MEN-2274H). Please see attached map for site locations. In addition, the Potter Valley Rancheria is within this burn unit. The National Register of Historic Places, the California Inventory of Historic Resources, California Historical Landmarks, and the Point of Historical Interest Log list no cultural resources within the project area. Four archaeological studies include approximately 10% of the proposed project area (NWIC Nos. S-10, S-240, S-407, S-4935).

The proposed burn unit contains portions of Tomki Creek and the Eel River; several perennial and intermittent drainage systems; terraces adjacent to watercourses; watercourse confluences; springs; moderate to steep wooded/chaparral covered slopes; midslope terraces; and vegetation ecotones. In this part of Mendocino, prehistoric archaeological sites have been found along perennial creeks; along ridges; in saddles and on midslope terraces near a water source or vegetation ecotone. Since unsurveyed portions of the proposed burn unit contain one or more of these environmental features, there is the possibility of prehistoric cultural resources in unsurveyed portions of the burn unit. Additionally, Barrett (1906) reports several ethnographic village sites at the north end of Potter Valley.

The General Land Office Plats for Township 18N/Range 12W for 1882 show a historical structure in the southeast 1/4 of Section 36 (J. Camert house) and the Little Lake/Potter Valley Road. There is, therefore, the possibility of historic cultural resources in unsurveyed portions of this project area.

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Burning is not anticipated to adversely affect prehistoric cultural resources and it is understood that natural, or existing fuel breaks will be used. If use of heavy equipment, particularly near a recorded archaeological site or on creek terraces or along ridges, becomes necessary to project completion then it is recommended that archaeological inspection be conducted in those areas in which ground disturbing is to occur. Since areas that are typically chosen as helicopter landing pads usually have a high prehistoric sensitivity, field inspection is recommended for those areas prior to their use.

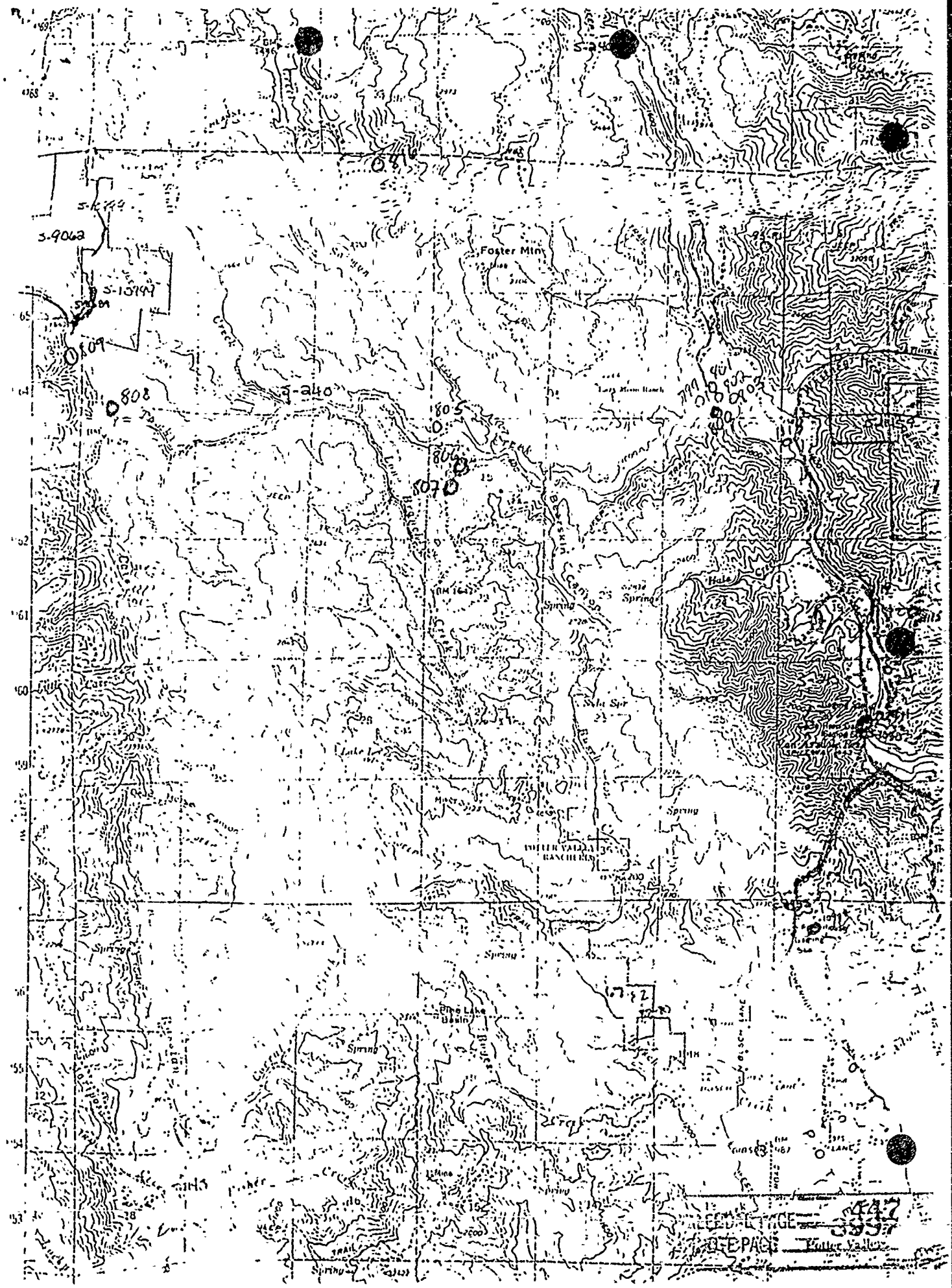
Since burning does adversely affect historic cultural resources, archaeological field inspection is recommended for the southeast 1/4 of Section 36, Township 18N/Range 12W in order to identify and record any cultural resources. In addition, field inspection is recommened in order to flag the site boundaries of CA-MEN-2274H, consisting of the Van Arsdale Dame and related features, so that the site may be excluded from the burn area. It is recommended that known structures with a buffer zone, be flagged and excluded from the project. Please contact Dan Foster (916-322-0171) for information regarding field inspection or site recording.

Thank you for using our services. If you have any questions, please do not hesitate to contact us.

Sincerely,

Leigh Jordan
Assistant Coordinator

cc: Dan Foster, CDF Archaeologist
B.G. Werder, Region
Kevin F. O'Neil



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DEPAGE Miller Valley