

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

R-5

O: 6510 Appropriations and Funds
2510 Watershed Surveys and Plans

September 18, 1975

T: Watershed Restoration - Lake Hemet Burn, Aug. 8-10, 1975
Stockton Burn, July 17-18, 1975

O: Forest Supervisor, San Bernardino National Forest



We have received authorization to obligate funds for the restoration of the Lake Hemet Burn and the Stockton Burn. Funds requested were \$28,298 for Lake Hemet burn and \$1,510 for Stockton burn. You are authorized to obligate a total of \$29,000 to accomplish the rehabilitation measures on these burns, as described in the watershed restoration reports submitted. Your accomplishment report, when submitted, should include a completed project work plan as well as an evaluation of the effectiveness of the restoration measures.

Glenn P. Haney

GLENN P. HANEY

Deputy Regional Forester

cc: RF
BUDGET

Paul Leger: tm

Pheggy
J. R. Haney

9:00 A.M.

Healy

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

R-5

to: 2510 Watershed Surveys and Plans

September 11, 1975

cc: Restoration Measures needed as the result of the Lake Hemet Fire, San Bernardino N.F.

to: Staff Directors, Area Planning and Development
Timber Management
Range Management



Enclosed is a copy of a report entitled "Report on Emergency and Long-Term Restoration Measures Needed on NF Lands as a Result of the Lake Hemet Fire." This is sent to you so that you may be aware of planned restoration measures within your functional area of concern.

We have requested burn rehab funds as shown in the enclosed letter to the Chief. At this time, we do not know if these projects will be refunded.


JAMES E. REID, Director
Watershed Management Staff

Enclosures

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

R-5

O: 2510 Watershed Surveys and Plans

September 5, 1975

T: Watershed Restoration - Lake Hemet Burn, August 8-10, 1975
Stockton Burn, July 17-18, 1975

O: Chief



Enclosed are single copies of watershed restoration reports for the above burns, both on the San Bernardino National Forest. The following table summarizes those measures which we have determined meet the criteria for emergency rehabilitation funding:

<u>Burn</u>	<u>Measures</u>	<u>Units</u>	<u>Cost/Unit</u>	<u>Total</u>
Lake Hemet	Fence repair	4.2 mi.	\$1033.81	\$ 4,342
	Fence reconst.	2.0 mi.	4021.50	8,043
	Trail protection and drainage imp.	7.0 mi.	1485.71	10,400
	Road drainage imp.	1.5 mi.	3675.33	<u>5,513</u>
		Subtotal	<u>\$28,298</u>	
Stockton	Trail protection and drainage imp.	.53 mi.	\$2849.06	1,510
			Total	<u>\$29,808</u>

We have copied those project work plans which support the above measures and these also are enclosed. Accordingly, we are requesting \$29,808 in 094 Burn Rehabilitation funds to accomplish the rehabilitation measures.

T.W. KOSKELLA

T. W. KOSKELLA
Deputy Regional Forester

Enclosures

P. LEGER: JF
CC: R.F.

J. E. Leger *P. Leger*

W S M
UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
SBNF

REPLY TO: 2520 Watershed Protection and Management

August 28, 1975

SUBJECT: Report on Emergency and Long-term Restoration
Measures Needed on National Forest Lands as a
Result of the Lake Hemet Fire

TO: Regional Forester
Attn: Paul Leger



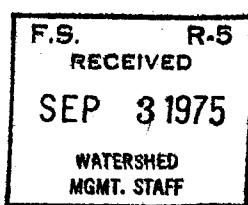
Attached are two copies of the subject report requesting Regional Office funds for the restoration of National Forest lands adversely affected by the Lake Hemet Fire.

A Project Work Plan (1300-4) for each type of restoration measure has been prepared and included in the Appendix portion of the report. A Project Work Plan for reforestation and site preparation is not available at this time, but will be forwarded to you within the next two weeks as an addendum to the report.

H. Mitchell

H. MITCHELL
Deputy Forest Supervisor

Enclosures



REPORT ON EMERGENCY AND LONG-TERM RESTORATION
MEASURES NEEDED ON NATIONAL FOREST LANDS AS A
RESULT OF THE LAKE HEMET FIRE

SAN BERNARDINO NATIONAL FOREST
SAN JACINTO RANGER DISTRICT

PREPARED BY: William L. Blair
Range & Wildlife Officer

DATE 8-21-75

William P. Johnson
Resource Officer

DATE 8-21-75

SUBMITTED BY: Danny Tandy
District Ranger

DATE 8-25-75

APPROVED BY: J. F. Mitchell
Act. Forest Supervisor

DATE 8/28/75

APPROVED BY: J. W. Koschella
Deputy Regional Forester

DATE 9/8/75

SUMMARY

The following report describes the fire that occurred on the San Bernardino National Forest during the period August 8, 1975 to August 10, 1975, the serious conditions that exist as a result of the fire, and the emergency and long-term restoration measures necessary to assure continued use and productivity of the area.

The Lake Hemet Fire burned 4,500 acres of valuable watershed lands, cost \$1,150,000 to control, and destroyed improvements valued at \$65,000.

Of the 4,500 acres burned, 3,700 acres were in Federal ownership. The San Bernardino National Forest has jurisdiction over the 3,700 acres of Federal land.

From the analysis of the burn area survey and report, it has been determined that no emergency treatment measures to protect life or property from a flood threat are warranted.

The Lake Hemet Fire burned the lower and middle slopes of Thomas Mountain primarily on the northeast slope of the mountain. The burned area is typically steep at the upper slopes with a very gentle gradient at the lower slopes bordering Garner Valley.

The South Fork of the San Jacinto River, which flows through Garner Valley into Lake Hemet, rarely has any surface flow except during storms of high intensity or long duration. The channel gradient of the South Fork of the San Jacinto River averages approximately 2 to 3 percent within Garner Valley.

It has been determined that no emergency treatment measures under Section 216 of the Flood Control Act are required because of the following reasons:

1. The burn area has no large denuded watersheds that will concentrate runoff or debris. The burn area is drained by numerous parallel-like streams.
2. That portion of the burn draining directly to Lake Hemet will undoubtedly contribute sediment at an accelerated rate. Lake Hemet Municipal Water District, which administers Lake Hemet, has determined that they can remove sediment from the Lake during periods of low lake level at a much lower cost than that of constructing and maintaining debris basins.
3. Analysis of the burn area by knowledgeable Forest Service personnel indicates that natural regrowth of shrubs and annual grasses and forbs will be sufficient to preclude the need for artificial seeding of soil stabilizing species.

4. The gentle channel and slope gradients within that portion of the burn draining to Garner Valley should be of such nature to cause a large portion of accelerated sediment to be in transit for several years before entering Lake Hemet.

EMERGENCY AND LONG-TERM RESTORATION NEEDS

Emergency Restoration

The following restoration measures are of such nature that necessitate immediate action in order to insure continued use of National Forest lands:

I. Range Management Measures

The boundary fence between the Garner Allotment and Lake Hemet Municipal Water District lands and fences around revegetation pastures were damaged by the fire. The total cost to repair 4.2 miles of existing fences damaged by the fire is \$4,342. The following reasons are presented to justify this emergency need:

- a. The boundary fence is necessary to prevent cattle on the Garner Allotment from trespassing on Lake Hemet Municipal Water Company land.
- b. It is necessary to control the "on & off" dates of cattle on the existing type conversions to protect the grass stand. No control would result in the loss of these type conversions - a substantial investment loss.

Approximately 2.0 miles of fence are needed to replace fence lost by the fire. New construction of these 2.0 miles of fence will cost \$8,043. The following reasons are presented to justify this emergency need.

- a. Without this fencing, all of the Garner Allotment south of Highway 74 would have to be eliminated, a loss of 220 a.u.m.
- b. It would be difficult to eliminate the use since Garner owns land on the south side of Highway 74. The Garner Valley south unit is now grazed regularly by "on & off" permit.
- c. Even if we eliminated this portion of the Garner Allotment we would still be faced with the problem of keeping the cattle grazing on Lake Hemet Municipal Water Company land from drifting onto National Forest land.

Funded with PMA
by [unclear]

2. Replacement of needed signs

Several prevention and pre-attack signs were destroyed by the fire and the suppression actions. Needed to be replaced are the following:

- 15 pre-attack posts
- 15 pre-attack triangles
- 10 closure signs
- 2 informational signs

*Not only year 7 measures
R5 SUPP. #51
5/19/2.12
Regulation fire funds will be used.
to prevent or fire signs.*

Total dollars needed is \$605.

3. Trails

Emergency measures are necessary for 4.0 miles of the Ramona Trail (3E26) and 3.0 miles of the Thomas Mountain Trail. These trails will require work to prevent loss of trail tread within the burn area as a result of the impending increase in runoff because of watershed damage. Work shall consist of cleaning debris, re-establishing tread, and providing dips as necessary. Cost of this work is estimated at \$10,400. The following reason is presented to justify this need:

- a. Failure to protect and stabilize these trails prior to the winter rains will result in excessive cost in the future to maintain to desired standards.

4. Roads

Emergency measures are necessary for Roads 5S15 and 5S13 in Sections 29, 20, 19, 18 & 17, T6S, R3E. Rehabilitation measures are as follows: Remove exposed rocks from road surface and grade roadway, replace one damaged culvert and one crushed 24" berm drain, finish grade road surface. The following reason is presented to justify this need:

- a. During the fire, extensive bulldozer traffic along truck trail to Thomas Mountain Fire Camp severely damaged the road surface. Heavy maintenance with a bulldozer, grader, and water truck is required in order to bring the road back to its original condition. The length of this portion is 6.05 miles and the estimated cost is \$19,545.

FFP

In addition, Road 6S13 in Sections 16 and 17, T6S, R3E within the burn area needs to be rehabilitated. Measures needed are as follows: Improve road surface by reshaping the road surface, establishing positive inlet control and/or replacing undersized drainage structures and finish grade road surface.

The following reason is offered to justify this need:

- a. This portion of the road is topographically situated at the lower edge of the burn. It is essential that it's drainage system be commensurate with the additional surface runoff. The length of this portion of road is 1.50 miles and the estimated cost is \$5,513.
- (justify for
burn fuelbreak)*

Long Term Restoration

The following restoration measures are of such nature that necessitate no immediate action in order to insure continued use and productivity of National Forest lands. The measures should, however, be initiated within the next three years to take advantage of the reduced competition to seedlings.

1. Reforestation

An estimated 1.5 million board feet of timber was destroyed by the fire on National Forest land. Approximately 0.5 million board feet of the total amount destroyed may be possible to salvage. The remaining timber lies in inaccessible pockets and on steep slopes where a salvage program is not feasible.

A total of 250 acres of land within the burn is suitable for reforestation. The average planting costs for the San Bernardino National Forest is \$162 per acre. The estimated cost for reforestation (planting) of the 250 acres is \$40,500 including overhead assessments.

Site preparation in the form of piling and burning brush and slash will be necessary on 155 of the 250 acres suitable for reforestation. At an expected cost of \$100 per acre, \$15,500 will be needed for site preparation work.

Refor⁹²

2. Revegetation

The southern portion of the Thomas Mountain fuelbreak was re-worked during the fire suppression effort. The reworking resulted in grass removal and soil disturbance within the fuelbreak. In addition, brush was removed from the ridgetop outside the existing fuelbreak. Restoration of these disturbed sites consists of seeding with perennial grasses to provide a permanent fuelbreak. Approximately 80 acres of fuelbreak are in need of reseeding at an expected cost of \$22 per acre or a total cost of \$1,760.

FFP

In addition, 320 acres of land in the northern portion of the burn, which lies adjacent to existing revegetation pastures, is suitable for revegetation. Vegetation has been completely removed by the fire in most of the area. A discing and seeding

Range

operation would complete the revegetation project and convert the area to grass for grazing and wildlife benefits. Estimated total cost of the project is \$9,100.

3. Thomas Mountain Campground

The Thomas Mountain Campground was used as a fire camp. The campground is heavily used by the public and a prime recreational facility on the San Jacinto Ranger District. Considerable site disturbance was sustained in and around the campground as a result of fire suppression activities. To prevent indiscriminate use of the area, cross country travel, and further resource damage, mulching and seeding the disturbed areas, and installation of traffic control barriers are necessary. These site protection measures are expected to cost \$1,695.

4. Timber Salvage

Prepare and administer 0.5 MMBF salvage sales in the burn area. Total cost is expected to be \$1,560.

The Lake Hemet Fire started about 10:30 a.m. on August 8, 1975, and before being brought under control at 6:00 p.m. on August 10, 1975, burned a gross area of 4,500 acres. This burned area is within the drainage of the South Fork of the San Jacinto River with the exception of 320 acres which drain into Anza Valley, a portion of the Santa Margarita River watershed, in Riverside County, California. The cause of the fire was a child playing with matches. The fire's origin was on National Forest land in the SW 1/4 of Section 8, T6S, R3E, on the south shore of Lake Hemet. The unburned area within the fire perimeter was negligible. Estimated cost of controlling the fire was \$1,150,000. Of the 4,500 acres within the fire perimeter, 3,700 acres was National Forest lands, and 800 acres was private lands.

Destroyed during the fire was one dwelling, one miscellaneous structure and fences crossing the burned area. The extent of such damage is estimated to be \$65,000. In addition, a helicopter used in the fire suppression effort made a forced landing directly in the path of the fire and was destroyed. Value of the helicopter lost in the fire is estimated at \$500,000.

Description of the Burned Areas

The burned area is mountainous terrain with elevation extremes of 4,400 to 6,000 feet. Slope aspect of the burn is generally northeast. Most of the burned area includes the lower and middle slopes of Thomas Mountain. The middle slopes are generally steep, ranging from 30 to 60 percent. The lower slopes are typically gentle and average 10 to 20 percent and less than 5 percent at Garner Valley. Numerous small drainages running generally parallel to one another flow northeast into Garner Valley from the burned area.

Nearly all of the burned area lies within the Lake Hemet watershed. Lake Hemet is a man-made facility used primarily for water storage and recreational purposes. Water from the lake is used for agricultural needs. Recreational uses of the lake are camping and fishing. Approximately 4,180 of the 4,500 acres burned is within the Lake Hemet Basin. The remaining 320 acres of the burned area provide runoff to Anza Valley.

Average annual precipitation within the burn is approximately 19 to 20 inches at the lower elevations and 25 to 26 inches at the higher elevations. The summer months are typically dry and hot. Most of the annual precipitation is delivered from November through March.

Erosion and sedimentation are expected to be high during the first winter (1975-1976) and gradually decrease to near natural conditions by the third to fifth year. Estimated soil losses (sedimentation) estimated to be in the vicinity of 15 to 20 cubic feet per acre per year for the first year. From a cost/benefit analysis, it is not feasible to initiate watershed measures that would reduce or stop accelerated sedimentation of Lake Hemet.

Granitic rock underlays the upper portion of Thomas Mountain and the burn. The lower slopes of the burn and Garner Valley are composed of alluvial soils. (See Exhibit A for additional report on soils.)

The high elevations of the burned area (4,400-6,000 feet) would prevent rapid germination of annual grasses applied as an emergency soil stabilization measure. Little grass establishment can be anticipated prior to late spring after which only minimal rainfall is normally received. Establishment of native grasses and weeds should be rapid as an examination of similar areas adjacent to the burn reveals a dense cover of annual grasses in the openings and between the brush plants. The native grass seed available in the soil should be good even following the fire based on a comparison of the burn with areas burned over with similar characteristics in the San Jacinto Mountains.

Because of the topography, runoff from the burned area is concentrated in numerous, small, often parallel channels rather than one or two major channels. This runoff will reach the lower gentler slopes of the burn and enter Garner Valley at which time velocities will be reduced and much of the sediment load deposited. Flows then generally will spread and percolate into the valley floor, unless rainfall continues at intensities and durations well above those normally encountered.

The upper reaches of the South Fork of the San Jacinto River which flows through Garner Valley and into Lake Hemet rarely has any surface flow except during and immediately after storms of high intensity or long duration.

About 10% of the burned over area was timbered, primarily with Jeffrey pine. The remainder of the area was covered with dense chaparrel consisting of live oaks, chamise, red shank, manzanita, Ceanothus spp., and others. Some Parry pinyon pine, Pinus quadrifolia was destroyed at the southern end of the fire.

Table I

LAKE HEMET FIRE

RESTORATION MEASURES NEEDED ON N.F. LANDS QUANTITIES, COSTS BY MEASURE AND SOURCE FUNDS

<u>MEASURES</u>	<u>UNITS</u>	<u>COST/UNIT</u>	<u>TOTAL COST</u>	<u>SOURCE OF FUNDS</u>	<u>FFF</u>
				<u>P&M</u>	<u>FR&T</u>
<u>EMERGENCY</u>					
Fence Construction & Repair	6.2 mi		12,385		
Road Improvement Const.			15,058		
Trail Improvement	7.0 mi		10,400		
<u>Signs</u>	<u>42 signs</u>	<u>1,142.00</u>	<u>4,688.00</u>	<u>13,385</u>	<u>5,513</u>
<u>SUB TOTAL</u>					
<u>LONG TERM</u>					
Salvage Sale Adm.					
Reforestation	130 ac	9.23/ac	1,560		
Site Preparation	250 ac	162.00/ac	40,500		
Fuel Modification	155 ac	100.00/ac	15,500		
Range Revegetation	80 ac	22.50/ac	1,800		
Traffic Control Barriers	320 ac	21.88/ac	7,000		
<u>Signs</u>	<u>20 ea</u>	<u>65 ea</u>	<u>1,300</u>	<u>2,340</u>	<u>1,695</u>
TOTALS			53,143*	23,650*	15,943
				23,903	
					13,580

* DOES NOT INCLUDE REFORESTATION AND SITE PREP

2550 Soils

Soil Investigation
Lake Hemet Fire Rehabilitation

District Ranger, San Jacinto
Attn: Bill Johnson

Area I

Reforestation - This area is well suited for reforestation. The soil is cobbly, coarse sandy loam, 30 to 50 inches deep to weathered granite with inclusions less than 20 inches deep. Slopes are less than 20 percent except adjacent to drainages and on the southwest side of the burn. Trees should not be planted in rock outcrop areas. Also, soil should be compacted well around the roots. Planting will not be easy in the cobbly, rocky surface. I recommend you do not plant the steep slopes on the southeast side of the burn.

Type Conversion - This area is suited for type conversion, but it might be best to seed by hand due to the many large rocks and boulders. I realize a lot of the seed may be eaten by birds and rodents, but it will be difficult to do an effective job with a Rangeland Drill.

The soils in Area I are moderately coarse textured, somewhat drouthy because of the amount of coarse fragment, have a rapid infiltration rate, rapid permeability and a moderate Erosion Hazard Rating.

Area II

Type Conversion - The east side or area near the road is very good for type conversion. As the slope increases, to the west, the

coarse fragments (rocks) increase. The area where the slopes are about 15 percent and the coarse fragment is about 40 to 50 percent will be difficult to revegetate, and I recommend you let it revegetate naturally. The live oak will sprout and start growing later this season. If the west side of this area is seeded, it should be by hand.

Area III

Reforestation - This area is well suited for reforestation. The soil is deep alluvium, well drained and very gently sloping. Trees should do well in this area because it is in the drainage pattern from the sloping area to the west. I recommend planting only within the gently sloping areas, not upon the rocky steep slopes, where the soils are shallow to bedrock.

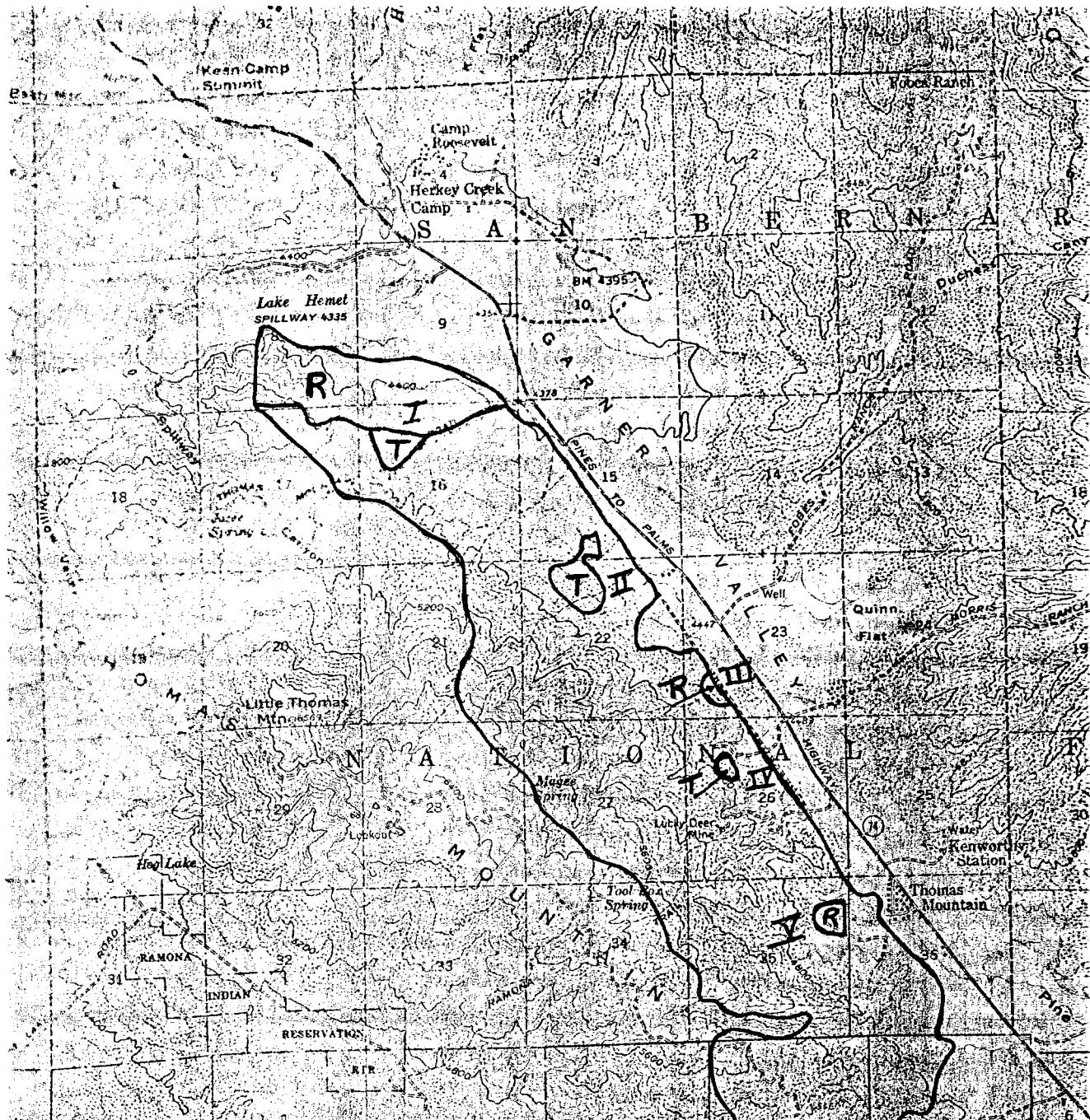
Area IV

The only areas I would recommend for reforestation are in the drainage adjacent to the road. It is a small area, but I do not think trees would survive on the steep slopes and shallow soils out of the drainage.

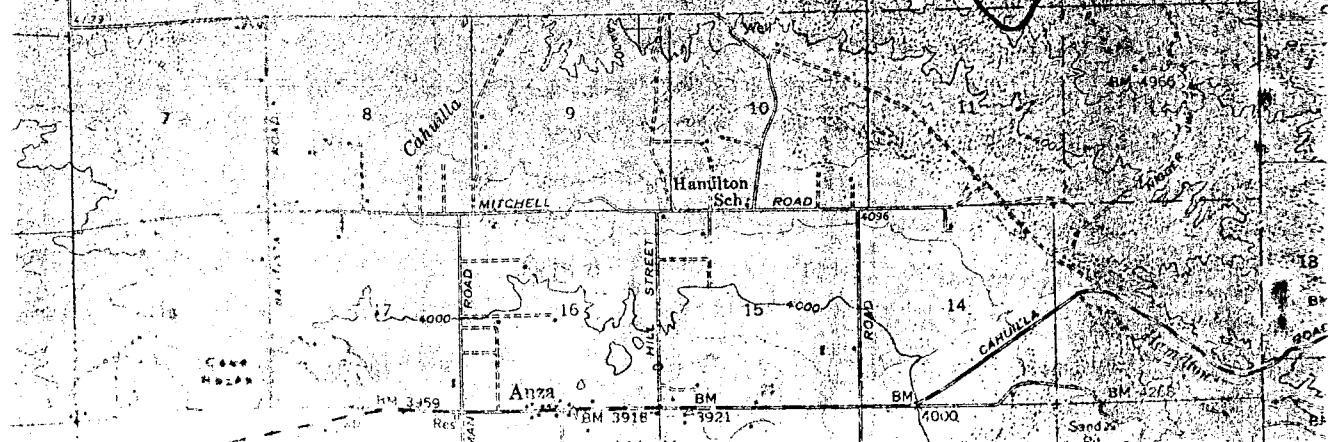
Area V

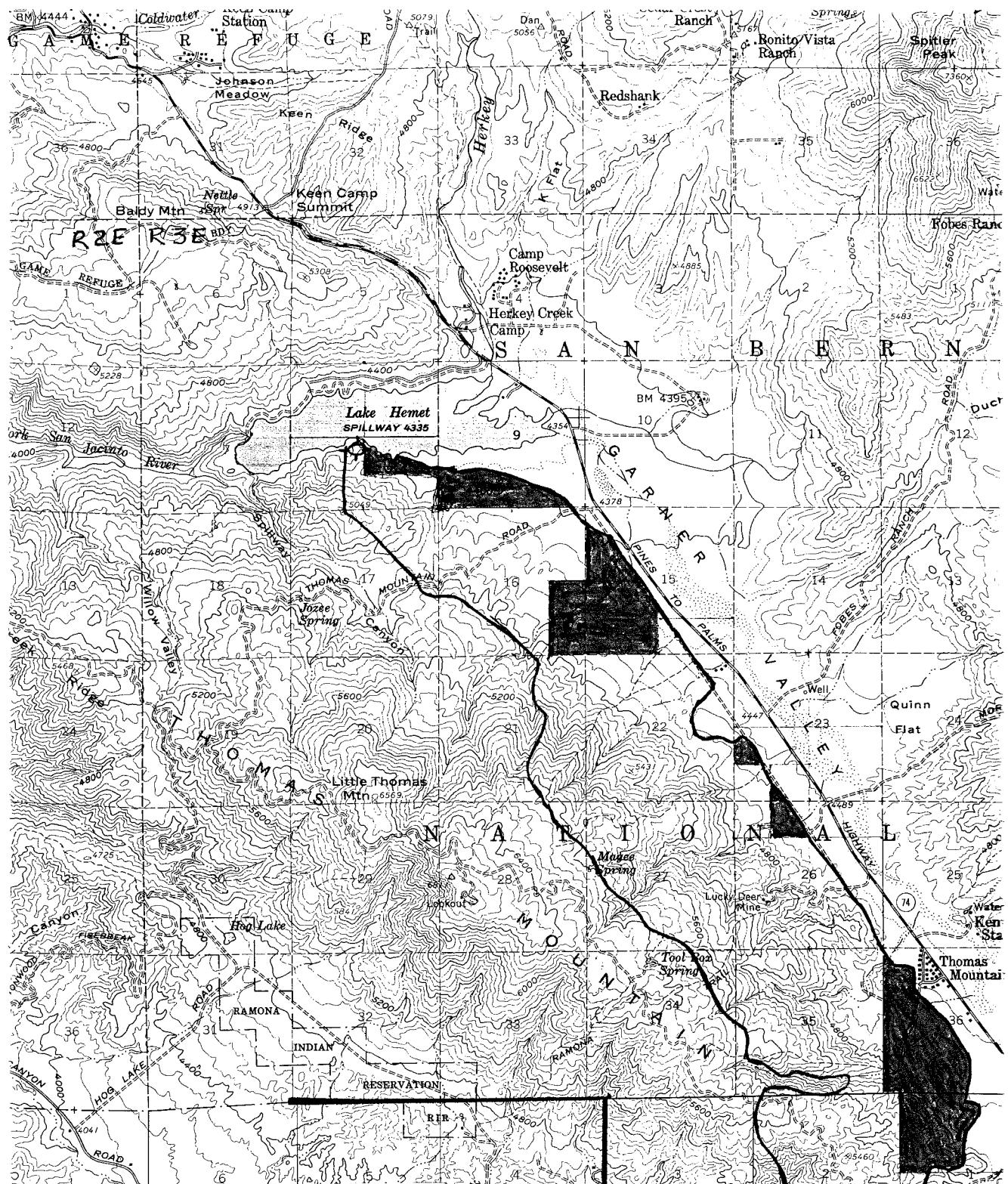
Due to mechanical problems with my vehicle, I did not review Area V. If it is similar to the other areas, it is suited for reforestation; or, I can come up again and check Area V.

Willie Z. Brock
WILLIE Z. BROCK
Soil Scientist

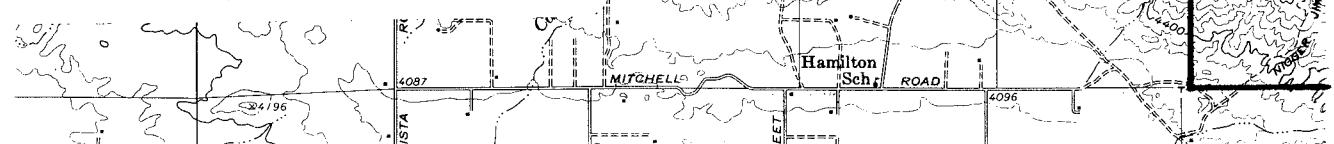


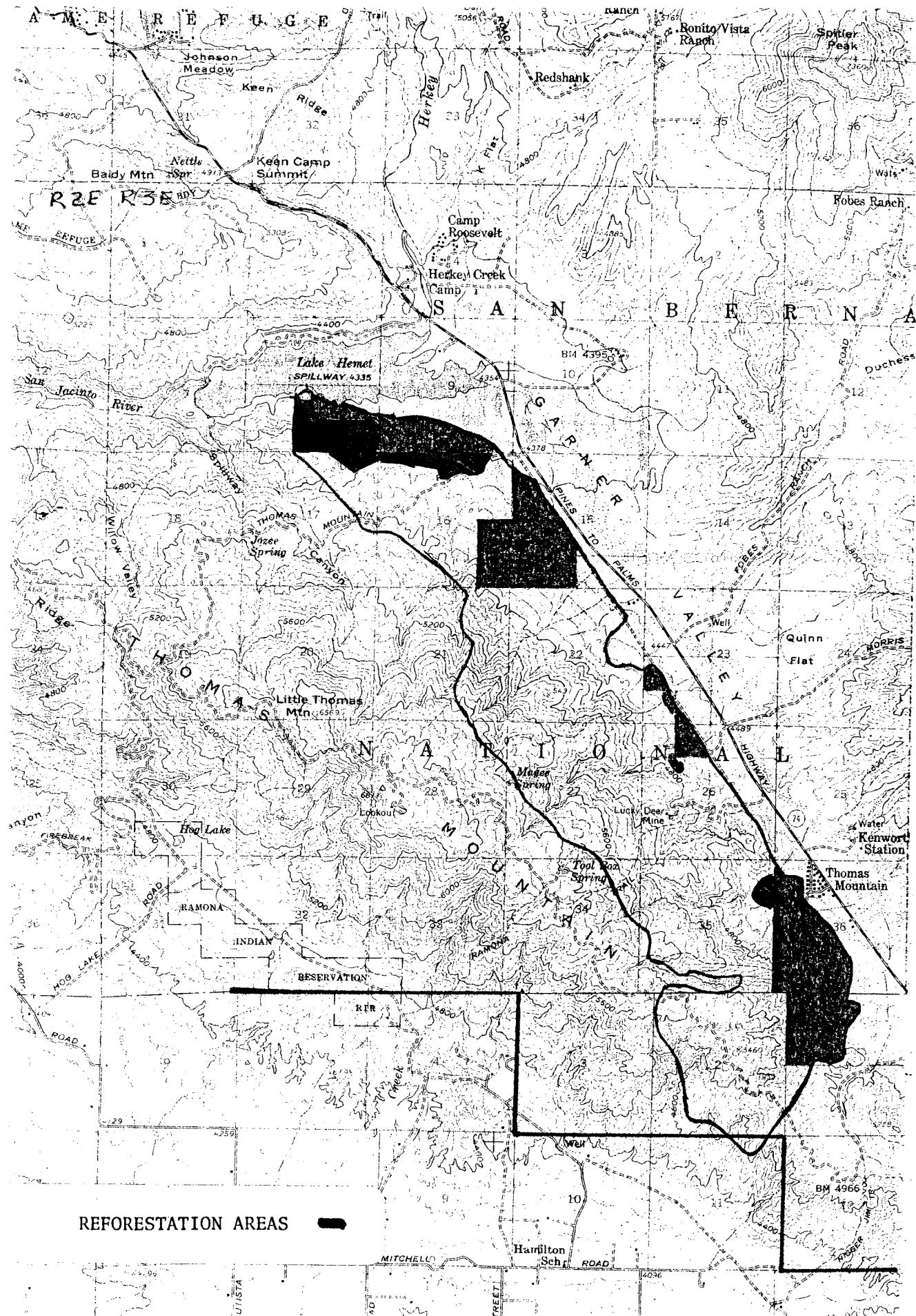
R - Reforestation
 T - Type Conversion

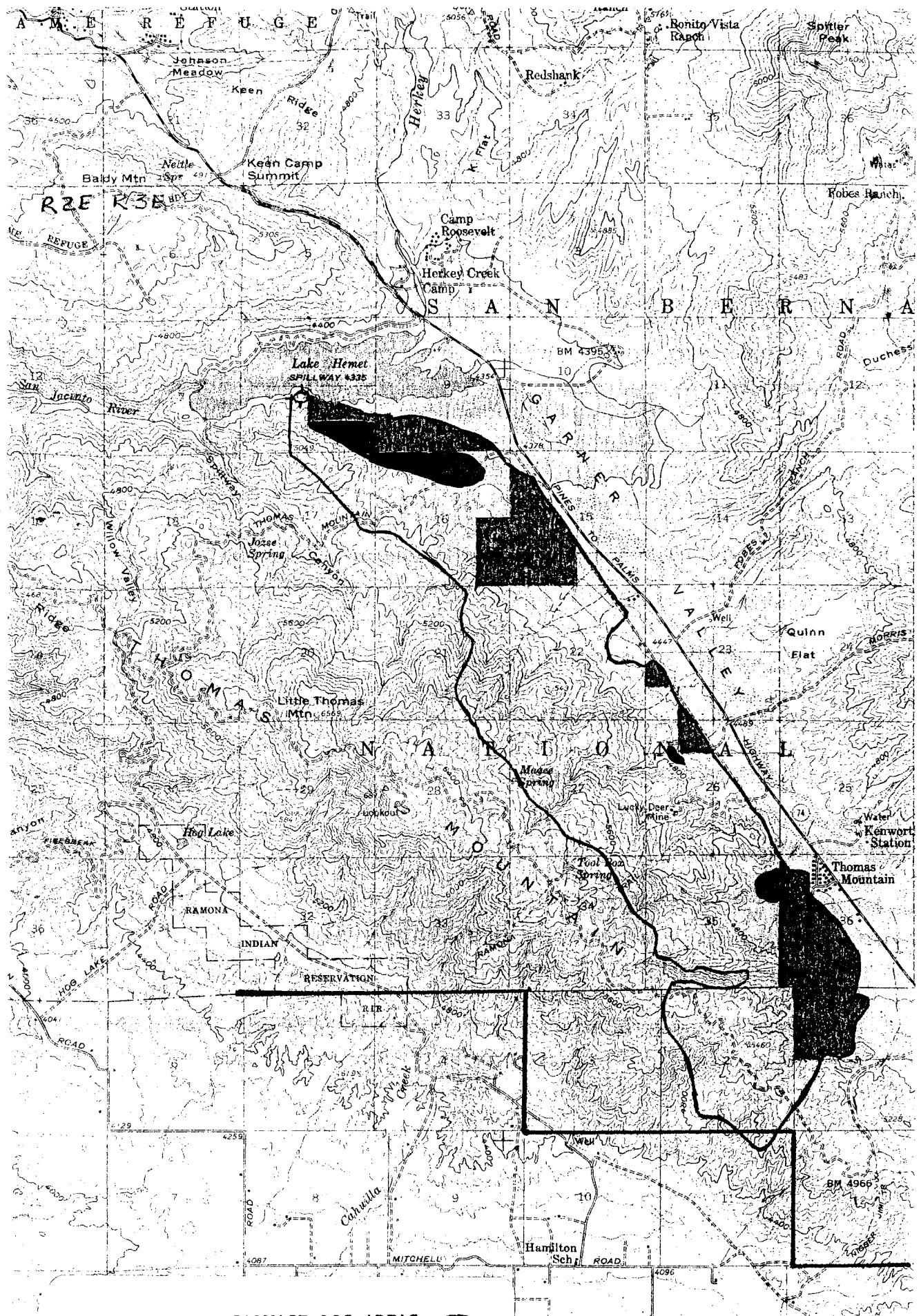


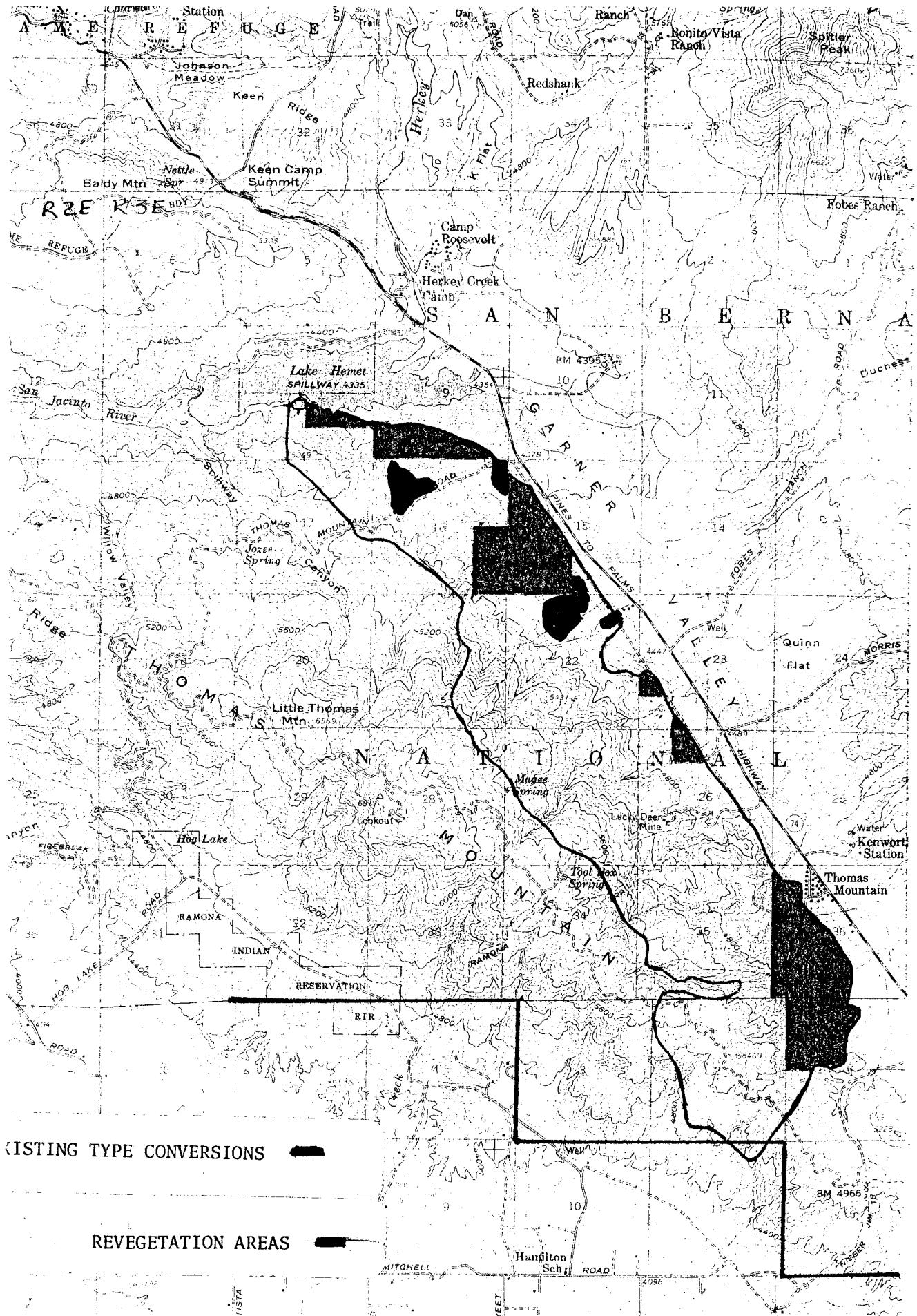


ORIGIN OF FIRE
 NATIONAL FOREST BDRY
 BOUNDARY OF BURN
 NON-FEDERAL LAND



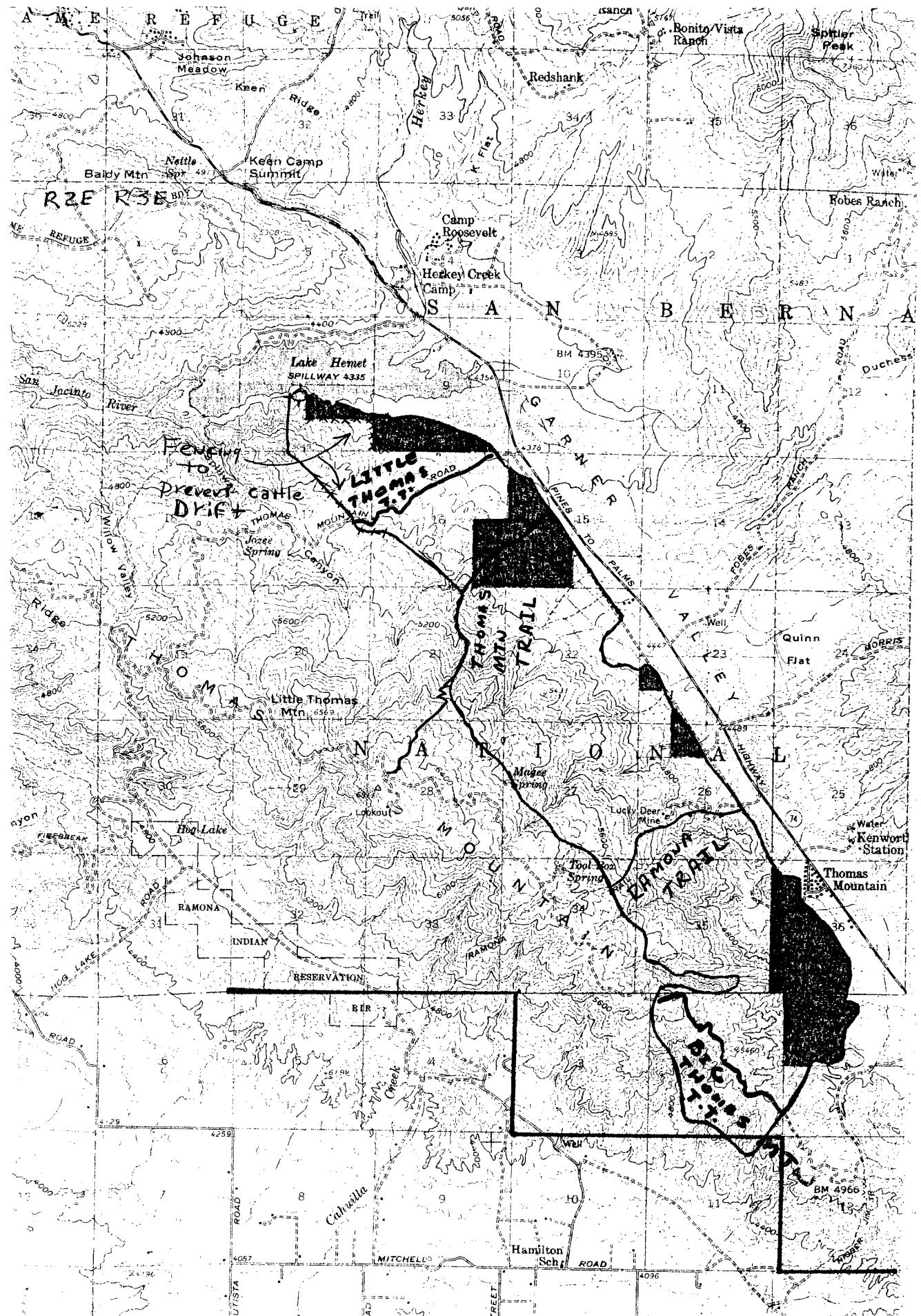


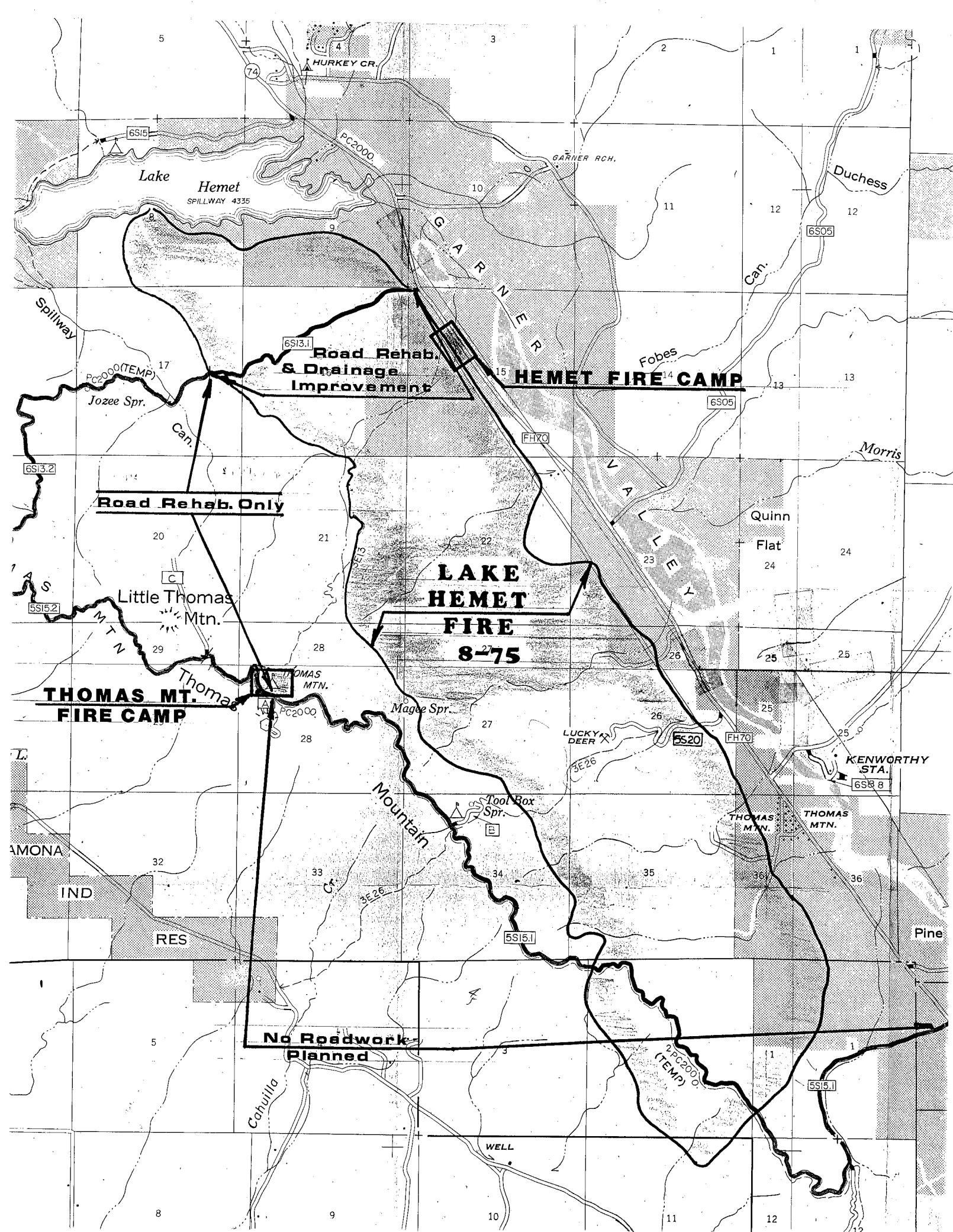




EXISTING TYPE CONVERSIONS

REVEGETATION AREAS





CAMP ROOSEVELT

PROJECT WORK PLAN

1. UNIT San Bernardino					
SUB-UNIT San Jacinto					
MANPOWER (List by Name)		PROJECT NO.	FISCAL YEAR		
OBJECT LEADER OR FOREMAN -6 Forestry Tech.		15	40 00	600	1976
GS-5 Forestry Tech.		45	35 00	1,575	PROJECT NAME, LOCATION & DESCRIPTION Range Improvements Emergency Measures - Lake Hemet Fire area.
Repair 4.2 miles of existing fences damaged by fire. Garner type conversion #1, 2, & 3, and fence between Government and Lake Hemet Municipal Water District property.					
R DIEM, TRAVEL AND MEALS					
QUIPMENT (F.S. and Rental)		MONTHS F.O.R.	HOURS OR MILES	F.O.R. OR USE RATE	
S. vehicle		400	10	40	BEGIN WORK
					COMPLETE WORK
					SPECIAL SKILLS NEEDED
					DAYS WHEN
MATERIALS AND SUPPLIES		QUANTITY		UNIT PRICE	
Tance post - metal staples		100 10 lbs	3 1	300 10	
Tance post - wood rb wire staples		200 15	2 17	400 255	4. PROPOSED BY WRJ <i>D. L. Mitchell</i>
re stays		5	12	60	STAFF REVIEW BY <i>Olin F.A. Spurk</i> 8/28/78
ntingency fund				100	
VERHEAD (30%)				1,002	
TOTAL PLANNED COST		FINANCED + CONTRIBUTED 4,342		4,342 3,340	APPROVED BY <i>E. J. Mitchell</i> 8/28 FUNDS ALLOCATED BY
FINANCE AND ACCOUNTING DATA					
PRO- RIA- TION	STAT- CODE	ACCOUNT OR ACTIVITY	FUNCTION		DOLLARS PLANNED AND ALLOCATED
			MAJOR	SUB	
TOTAL ALLOCATED					

PROJECT WORK PLAN

MANPOWER (List by Name)	DAYS	DAILY RATE	PLANNED COSTS		SUB-UNIT San Jacinto
			TO BE FINANCED	CONTRIBUTED	
OBJECT LEADER OR FOREMAN Larry Rogers GS-6	38	40.00	1,120		PROJECT NO.
GS-5's	28	35.00	2,940		FISCAL YEAR 1976
PROJECT NAME, LOCATION & DESCRIPTION					
<u>Range Improvements</u> Emergency Measures - Lake Hemet Fire area. Build 2.0 miles of fence or north boundary of Garner allotment and along Lake Hemet property. This is to replace [REDACTED] fence that was burned out - was used to control cattle drift. (No overhead.)					
QUIDEM, TRAVEL AND MEALS					
EQUIPMENT (F.S. and Rental)	MONTHS F.O.R.	HOURS OR MILES	F.O.R. OR USE RATE		
/2 ton pickup		1000	15	150	
MATERIALS AND SUPPLIES					
ITEMS AND SUPPLIES	QUANTITY		UNIT PRICE		
	TO BUY	ON HAND		BEGIN WORK	COMPLETE WORK
560-00-171-7697	412		2.44	1,005	SPECIAL SKILLS NEEDED
post - steel					DAYS WHEN
post - wood	78		2.00	156	
0-00-607-0286	1050		.12	126	
315-00-664-1444	24 lb		1.46	35	
5660-00-596-2384	32		17.00	544	
contingency fund				150	
OVERHEAD (30%)				1,856	
TOTAL PLANNED COST	FINANCED + CONTRIBUTED		8,043		APPROVED BY
			-6,107		<i>L.J. Mitchell</i> 8/28/72
					FUNDS ALLOCATED BY
5. ACCOMPLISHMENT RECORD DATE INITIAL					
PRO- RI-A- TION	STAT CODE	ACCOUNT OR ACTIVITY	FUNCTION MAJOR SUB	SUB- UNIT	DOLLARS PLANNED AND ALLOCATED
TOTAL ALLOCATED					

PROJECT WORK PLAN

MANPOWER (<i>List by Name</i>)						PROJECT NO.	FISCAL YEAR	
OBJECT LEADER OR FOREMAN GS-6		4	DAILY RATE 45.00	PLANNED COSTS TO BE FINANCED CONTRIBUTED		SUB-UNIT San Jacinto		
						PROJECT NAME, LOCATION & DESCRIPTION <u>Signs</u>		
						To replace signs destroyed by fire or the suppression activities.		
R DIEM, TRAVEL AND MEALS								
QUIPMENT (<i>F.S. and Rental</i>)		MONTHS F.O.R.	HOURS OR MILES	F.O.R. OR USE RATE				
1/2 ton pickup		500	10	5				
MATERIALS AND SUPPLIES		QUANTITY TO BUY ON HAND		UNIT PRICE				
Re-attack post		15		4.00				
Attack triangle		15		3.00				
Fly paint								
1-00-079-3764								
1-00-079-3752								
Wild 10 closure				25				
Informational				150				
using 4x4 post								
TOTAL PLANNED COST		FINANCED + CONTRIBUTED 605 465		605 465	APPROVED BY L. Mitchell 8/28			
FINANCE AND ACCOUNTING DATA						ACCOMPLISHMENT RECORD	DATE	INITIAL
PRO- RIA- TION	STAT CODE	ACCOUNT OR ACTIVITY	FUNCTION MAJOR	SUB- UNIT	DOLLARS PLANNED AND ALLOCATED			
TOTAL ALLOCATED								

PROJECT WORK PLAN

MANPOWER (List by Name)	DAYS	DAILY RATE	PLANNED COSTS		SUB-UNIT San Jacinto
			TO BE FINANCED	CONTRIBUTED	
OBJECT LEADER OR FOREMAN Doug Wood	40	35.00	1,400		PROJECT NO.
ick Abril	40	30.00	1,200		FISCAL YEAR 1976
GS-4's	160	30.00	4,800		PROJECT NAME, LOCATION & DESCRIPTION <u>Trail Rehabilitation</u> <u>Ramona & Thomas Mtn.</u>
R DIEM, TRAVEL AND MEALS					
EQUIPMENT (F.S. and Rental)	MONTHS F.O.R.	HOURS OR MILES	F.O.R. OR USE RATE		
U.S. Class 187		2000	15	300	BEGIN WORK
					COMPLETE WORK
MATERIALS AND SUPPLIES	QUANTITY		UNIT PRICE		SPECIAL SKILLS NEEDED
TO BUY	ON HAND				DAYS WHEN
210-00-203-3512 Lead	6	10	60		
20-00-188-8450 nove	6	3	18		
20-00-293-3467 laski tool (mattock)	3	11	33		
10-00-156-0052 ll road ties for	24	1	24		
Metals Contingency fund	50	1	50		
OVERHEAD (50%)	FINANCED + CONTRIBUTED		2,400		APPROVED BY
TOTAL PLANNED COST	10,400		10,400	8,000	J. Mitchell 8/28
FUND ALLOCATED BY					
FINANCE AND ACCOUNTING DATA					
PRO- PRI- ATION	STAT CODE	ACCOUNT OR ACTIVITY	FUNCTION		DOLLARS PLANNED AND ALLOCATED
			MAJOR	SUB	
TOTAL ALLOCATED					
5. ACCOMPLISHMENT RECORD DATE INITIAL					

PROJECT WORK PLAN

MANPOWER (List by Name)	DAYS	DAILY RATE	PLANNED COSTS		SUB-UNIT	PROJECT NO.	FISCAL YEAR
			TO BE FINANCED	CONTRIBUTED			
PROJECT LEADER OR FOREMAN							
Gorzney	7	72 79	510				
Woolley	7	58 44	409				
Glascock	7	46 67	327				
Vessup	7	38 00	266				
Anderson	8	47 27	378				
Charles	8	48 65	389				
Ota	2	69 12	138				
PER DIEM, TRAVEL AND MEALS							
EQUIPMENT (F.S. and Rental)	MONTHS F.O.R.	HOURS OR MILES	F.O.R. OR USE RATE				
ea 111 Equip.							
ef. PWP 69-3)			4020				
BEGIN WORK							
SPECIAL SKILLS NEEDED							
WHEN							
None							
QUANTITY							
MATERIALS AND SUPPLIES	TO BUY	ON HAND	UNIT PRICE				
title Mac Inlet	1 ea		83.53				
" Rect. Flume	10 LF.		4.26				
" CMP w/end sect.	50 LF.		15.57				
OVERHEAD (30%)			2,203				
4. PROPOSED BY							
John W Richardson 8/22/72							
STAFF REVIEW BY							
Olin T. Spousek 8/28/72							
APPROVED BY							
H. Mitchell 8/28							
FUNDS ALLOCATED BY							
TOTAL PLANNED COST	FINANCED + CONTRIBUTED		9,545				
5. ACCOMPLISHMENT RECORD							
DATE							
INITIAL							
FINANCE AND ACCOUNTING DATA							
APPROPRIATION	STAT CODE	ACCOUNT OR ACTIVITY	FUNCTION		SUB-UNIT	DOLLARS PLANNED AND ALLOCATED	
			MAJOR	SUB			
TOTAL ALLOCATED							

PROJECT WORK PLAN

MANPOWER (List by Name)	DAYS	DAILY RATE	PLANNED COSTS		SUB-UNIT	PROJECT NO.	FISCAL YEAR
			TO BE FINANCED	CONTRIBUTED			
<u>PROJECT LEADER OR FOREMAN</u>							
<u>Gorzney</u>	4	72 79	291				
<u>Woolley</u>	5	58 44	292				
<u>Glascock</u>	5	46 67	233				
<u>Vessup</u>	5	38 00	190				
<u>Anderson</u>	5	47 27	326				
<u>Charles</u>	5	48 65	243				
<u>Ota</u>	1	69 12	69				
PER DIEM, TRAVEL AND MEALS							
<u>EQUIPMENT (F.S. and Rental)</u>	<u>MONTHS F.O.R.</u>	<u>HOURS OR MILES</u>	<u>F.O.R. OR USE RATE</u>				
<u>Area 111 Equip.</u>			1065				
<u>Ref. PWP 69-3)</u>							
BEGIN WORK							
SPECIAL SKILLS NEEDED							
<u>None</u>							
<u>MATERIALS AND SUPPLIES</u>	<u>QUANTITY</u>	<u>UNIT PRICE</u>					
<u>little Mac Inlets</u>	<u>2 Ea.</u>	<u>83.53</u>	167				
<u>2" Rect. Flume</u>	<u>100 LF.</u>	<u>3.64</u>	364				
<u>4" CMP w/end Sect.</u>	<u>30 LF.</u>	<u>9.78</u>	293				
<u>3"x27" Pipe Arch</u>	<u>40 LF.</u>	<u>17.69</u>	708				
<u>OVERHEAD (30%)</u>			1,272				
<u>TOTAL PLANNED COST</u>		<u>FINANCED + CONTRIBUTED</u>	<u>5,513</u>				
			<u>4241</u>				
FINANCE AND ACCOUNTING DATA							
<u>APPROPRIATION</u>	<u>STAT CODE</u>	<u>ACCOUNT OR ACTIVITY</u>	<u>FUNCTION</u>	<u>SUB-UNIT</u>	<u>DOLLARS PLANNED AND ALLOCATED</u>		
TOTAL ALLOCATED							

1. UNIT
San Bernardino N.F. - 12SUB-UNIT
Engineering - 69PROJECT NAME, LOCATION & DESCRIPTION
Lake Hemet Fire - Road reshaping and drainage improvement for Road #6S13.

Road system within burn area

(30% overhead ~~net~~ included)

Epm P.M.

BEGIN WORK

COMPLETE WORK

SPECIAL SKILLS NEEDED

DAYS WHEN

None

4. PROPOSED BY
John W. Richardson 8/27/72STAFF REVIEW BY
Lin F.A. Sappale 8/28/72APPROVED BY
L.J. Mitchell 8/28

FUNDS ALLOCATED BY

1300-4 (1/73)

PROJECT WORK PLAN

						1. UNIT San Bernardino		
						SUB-UNIT San Jacinto		
						PROJECT NO.	FISCAL YEAR 1976	
						PROJECT NAME, LOCATION & DESCRIPTION <u>Thomas Mtn. Fuelbreak Re-seeding</u>		
						80 Acres		
						(No overhead.)		
						Reg. FFF		
R DIEM, TRAVEL AND MEALS								
QUIPMENT (F.S. and Rental)		MONTHS F.O.R.	HOURS OR MILES	F.O.R. OR USE RATE				
1-6 Tractor			80	9.00	720			
1/2 ton pickup			400	10	40			
							BEGIN WORK	
							COMPLETE WORK	
							SPECIAL SKILLS NEEDED	
							DAYS	
							WHEN	
MATERIALS AND SUPPLIES		QUANTITY		UNIT PRICE				
		TO BUY	ON HAND					
grass Seed (lbs.)		320		.80	266			
ools, parts					74			
VERHEAD (30%)					540			
TRACT								
TOTAL PLANNED COST		FINANCED + CONTRIBUTED		2,340 + 800				
FINANCE AND ACCOUNTING DATA						5. ACCOMPLISHMENT RECORD	DATE	INITIAL
PRO- PRIA- TION	STAT CODE	ACCOUNT OR ACTIVITY	FUNCTION MAJOR	SUB- UNIT	DOLLARS PLANNED AND ALLOCATED			
TOTAL ALLOCATED								

A-FOREST SERVICE

PROJECT WORK PLAN

3 DIEM, TRAVEL AND MEALS

P + $\frac{1}{2}$
Rough

BEGIN WORK	COMPLETE WORK
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SPECIAL SKILLS NEEDED	DAYS	WHEN
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INTERACT

APPROVED BY

DATE
8/28/7

TAI BI PLANNED COST

FINANCED + CONTRIBUTED

9,100
1,000

APPROVED BY

8/28

FINANCE AND ACCOUNTING DATA

5 ACCOMPLISHMENT RECORD

DATE INI-
TIAL

TOTAL ALLOCATED

87

1

1300-4 (1/73)

PROJECT WORK PLAN

						1. UNIT San Bernardino
						SUB-UNIT San Jacinto
		PROJECT NO.	FISCAL YEAR 1976			
PROJECT NAME, LOCATION & DESCRIPTION Lake Hemet Fire Rehabilitation						
Between Thomas Mtn. & Tool Box Springs Campgrounds:						
Replace barriers removed during suppression activities. Install barriers to prevent ORV use on travelways resulting from suppression activities.						
(No overhead.) Rog F. 16/8						
EQUIPMENT (F.S. and Rental)	MONTHS F.O.R.	HOURS OR MILES	F.O.R. OR USE RATE	BEGIN WORK		
				COMPLETE WORK		
S. #1454		560	15	84		
MATERIALS AND SUPPLIES	QUANTITY		UNIT PRICE	SPECIAL SKILLS NEEDED		
	TO BUY	ON HAND		DAYS	WHEN	
Douglas fir - rails	10		15	150		
pressure treated Douglas fir post	20		9	180		
reosote				47		
screws	40		1.50	60		
OVERHEAD (30%)				391		
TOTAL PLANNED COST	FINANCED + CONTRIBUTED 1,695 +,304		1,695 +,304	APPROVED BY J. Mitchell FUND ALLOCATED BY		
4. PROPOSED BY IEP Ronny Bentz 8/28/77 STAFF REVIEW BY John F. Spence Wayne O. Hartway 8/28/77						
5. ACCOMPLISHMENT RECORD DATE INITIAL						
PRO- PRI- TY CODE	STAT- CODE	ACCOUNT OR ACTIVITY	FUNCTION MAJOR	SUB- UNIT	DOLLARS PLANNED AND ALLOCATED	
TOTAL ALLOCATED						

PROJECT WORK PLAN

PROJECT WORK PLAN						1. UNIT San Bernardino		
MANPOWER (<i>List by Name</i>)		DAYS	DAILY RATE	PLANNED COSTS		SUB-UNIT San Jacinto		
				TO BE FINANCED	CONTRIBUTED			
PROJECT LEADER OR FOREMAN						PROJECT NO.		
H. Haire		10	58 100		580	FISCAL YEAR		
D. Sheeran		20	51 00	1,020		1976		
PROJECT NAME, LOCATION & DESCRIPTION								
Lake Hemet Salvage Sales								
Prepare and administer 0.5 Mmbf salvage sales in Lake Hemet burn.								
(No overhead)								
P + M Timber								
DIEM, TRAVEL AND MEALS								
EQUIPMENT (F.S. and Rental)		MONTHS F.O.R.	HOURS OR MILES	F.O.R. OR USE RATE				
2 ton pickup			800	10	80			
MATERIALS AND SUPPLIES		QUANTITY		UNIT PRICE				
		TO BUY	ON HAND					
int, flagging,					50			
gns					50			
OVERHEAD (30%)					360			
TRACT								
TOTAL PLANNED COST		FINANCED + CONTRIBUTED		1,560 + 200				
FINANCE AND ACCOUNTING DATA						5. ACCOMPLISHMENT RECORD		
PRO- RI- A- TION	STAT- CODE	ACCOUNT OR ACTIVITY	FUNCTION		SUB- UNIT	DOLLARS PLANNED AND ALLOCATED	DATE	INITIAL
			MAJOR	SUB				
TOTAL ALLOCATED								