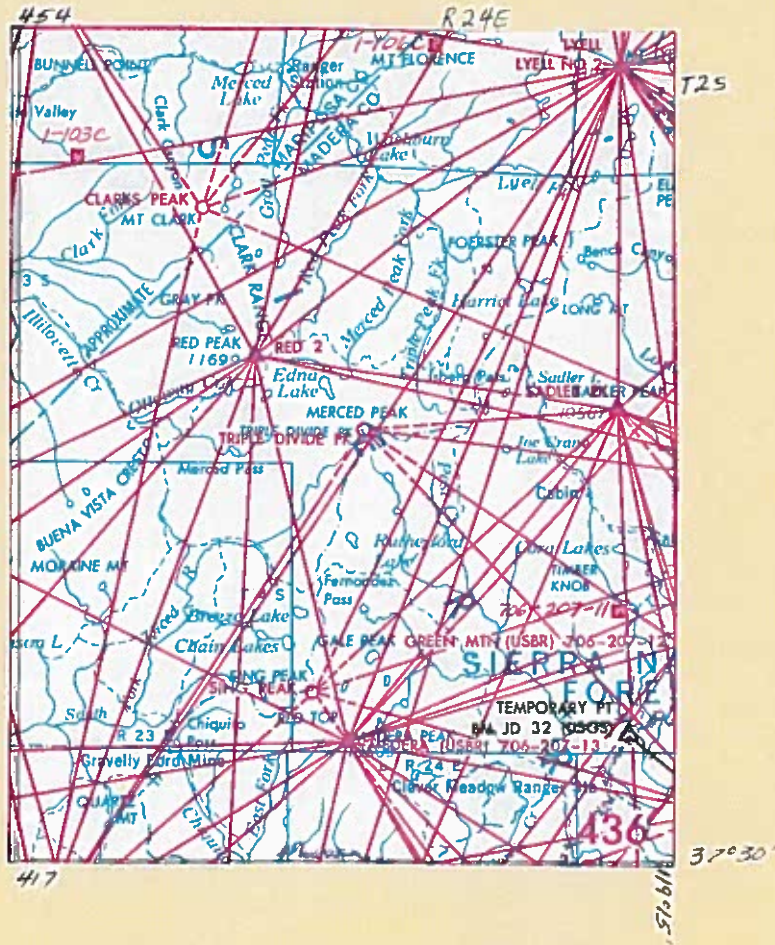


37°30'
119 15



37°30'
119 15

CALIFORNIA 436

Index

<u>Station</u>	<u>Project</u>
Clarks Peak	- - (M)
Iyell No. 2	- - (M)
Madera (USBR)	- - (M)
Red 2	- - (M)
Sadler Pk.	- - (M)
Sing Pk (1-70 D)	Devils Postpile
Lost Triple Divide Pk. Lost	- - (M)
1-103 C	Devils Postpile
1-106 C <i>Inactive File</i>	Devils Postpile
706-207-11	Devils Postpile *

*Devils Postpile Project Master in CALIFORNIA 416 - Book: (Computed from USBR)
Devils Postpile Project Master in CALIFORNIA 415 - Book: PH 208

THIRD-ORDER TRIANGULATION
North American Datum of 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MERCED PEAK QUADRANGLE
CALIFORNIA 436
N3730-W11915/15

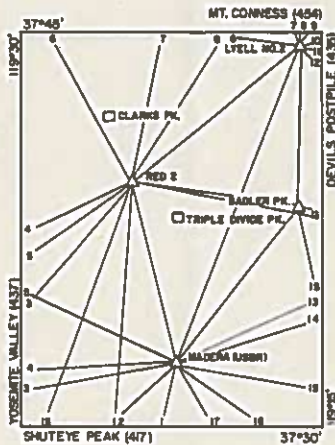
FILE COPY

Madera, Mariposa,
Mono and Tuolumne
Counties

Edition of 3/17/58

Numbered lines indicate
listed azimuths and
distances to the
following stations
not on the
quadrangle:

1. Shuteye(C&GS)
2. Deadwood
3. Raymond
4. Signal Peak L.O.
5. Buena Vista
6. Clouds Rest(VABM 9929)
7. Mt. Conness(C&GS)
8. Mount Dana(C&GS)
9. Donohue Pk.
10. Mount Downs(C&GS)
11. San Joaquin
12. Mammoth(USBR)
13. Iron Mtn.
14. Green Mtn.(USBR)
15. Cattle Mtn(USBR)
16. Mt. Tom L.O.T.
17. Kaiser(C&GS)
18. Iron(VABM 9154)



Books: 805-841; PK 207-208

LYELL NO. 2 Madera-Tuolumne Counties CALIFORNIA

C. F. Urquhart, 1905
D. R. Steele, 1952

Described in Bulletin 310, page 168.

Note: Station Lyell was a triangle chiseled on face on rock with "USGS" chiseled above. An old bronze tablet was found in cairn, but not set. It was impossible to set the new tablet in center of old mark. The new mark is 0.6 ft. E. of old mark, in top of small boulder.

Description by D.R.S., 1952 as follows:

Located about 18.0 mi. E. of Yosemite Valley, 10.0 mi. SSE. of Tuolumne Meadows Ranger Station, at junction of Cathedral Range, Ritter Range and Sierra Crest, on highest point of Mt. Lyell.

To reach from Tuolumne Meadows Ranger Station, ride E. and S. on Donohue Pass Trail up Lyell Canyon for 4.0 mi. to Lyell Upper Base Camp. Pack up trail 15-min. to where trail turns E.; continue S. up canyon following duck line for 1-hr. and 20 min. thence left SSW. up slope for 2-hrs. across snow field and glacier to base of rock bluff in saddle between Mt. Lyell and Mt. McClure thence left; climb bluff (ropes are suggested to transport equipment); continue up steep slope to highest point on E. end of top and station. A 5 1/2-hr. pack from base camp.

Station mark: Standard tablet stamped "LYELL NO 2 1952" cemented in drill hole in large granite boulder.

Reference mark No. 1: Copper nail and washer stamped "1" leaded in drill hole in large granite boulder. (No distances or azimuths).

Reference mark No. 2: Copper nail and washer stamped "2" leaded in drill hole in large granite boulder 17.29 ft. from station mark in azimuth 245°46'.

Note: Center of cairn is 2.08 ft. from station mark in azimuth 31°06'09"

CALIF. ZONE 3
X=2,355,493.0
Y= 453,635.6

V. A. elevation 13,114 ft.

Latitude: 37°44'22.171" Longitude: 119°16'14.140"

To Station	Azimuth	Back Azimuth	Feet
Sadler Pk.	0°42'48.7"	180°42'45.2"	36,679.6
Shuteye(C&GS)	17 47 02.9	197 41 19.3	149,074.1
Madera(USBR)	22 03 29.9	201 59 44.2	79,286.8
Red 2	52 03 33.7	231 58 30.2	50,615.1
Signal Peak L.O.	60 44 23.5	240 27 12.6	155,890.0
Clouds Rest(VABM 9929)	99 25 03.3	279 17 03.5	63,778.6
Mt. Conness(C&GS)	170 11 31.0	350 09 41.2	84,119.1
Mount Dana(C&GS)	193 59 54.4	14 01 45.8	60,229.0
Donohue Pk.	222 37 30.5	42 39 01.5	17,622.0
Mount Downs(C&GS)	255 54 49.1	76 02 42.5	63,993.0
San Joaquin	278 46 41.8	98 52 46.4	48,440.7
Mammoth(USBR)	299 44 06.5	119 52 52.3	79,693.8
Silver	323 29 22.0	143 38 31.8	122,079.6
Iron Mtn.	326 18 34.7	146 22 30.3	55,928.3
Cattle Mtn.(USBR)	351 56 46.9	171 58 13.2	81,260.7

MADERA(U.S.B.R.) Madera County CALIFORNIA

U.S.B.R., 1951
D. R. Steele, 1952

Located about 15.0 mi. SSE. of Mt. Lyell, 13.0 mi. E. of Mariposa Grove Big Trees, 5.0 mi. W. of Clover Meadow Ranger Station, on highest triangular point of Madera Pk.

To reach from Bass Lake Post Office, drive N. on Soldier Meadow Road 28.9 mi. to Parker's High Sierra Pack Station thence by horse up Jackass Lakes Trail to Upper Jackass Lake; continue around to N. side of lake thence cross country N. and W. up rocky slope to saddle and small lake; continue N. and E. around nose of ridge to two juniper trees in saddle. Pack NW. up ridge to saddle thence W. and NW. up ridge to highest point and station. A 40-min. pack.

Station mark: Standard U.S.B.R. tablet stamped "706-207-13" cemented in rock outcrop, 0.4 ft. below ground.

Reference mark No. 1: Chiseled cross on rock, 20.10 ft. from station mark in azimuth 0°08'.

Reference mark No. 2: Chiseled cross on rock, 40.90 ft. from station mark in azimuth 57°21'.

CALIF. ZONE 3
X=2,326,686.7
Y= 379,772.7

V. A. elevation 10,509 ft.

Latitude: 37°32'15.513" Longitude: 119°22'23.811"

To Station	Azimuth	Back Azimuth	Feet
Shuteye(C&GS)	12°53'47.4"	192°51'49.4"	70,253.8
Deadwood	48 03 49.6	227 52 27.8	121,841.9
Raymond	80 35 29.8	260 28 35.6	55,542.8
Signal Peak L.O.	88 28 27.7	268 15 04.4	106,258.2
Buena Vista	116 22 55.0	296 17 40.2	46,383.3
Red 2	166 28 28.0	346 27 10.8	43,559.7
Lyell No. 2	201 59 44.2	22 03 29.9	79,286.8
Sadler Pk.	218 28 39.1	38 32 21.2	47,056.8
Iron Mtn.	246 01 59.3	66 09 39.8	66,504.2
Green Mtn.(USBR)	252 45 36.1	72 50 13.8	38,403.3
Cattle Mtn.(USBR)	279 31 24.2	99 38 35.5	43,747.7
Mt. Tom L.O.T.	315 58 20.5	136 05 28.2	81,666.5
Kaiser(C&GS)	328 12 27.8	148 19 20.4	104,162.5

RED 2 Madera County CALIFORNIA

E. T. Perkins, 1900
D. R. Steele, 1952

Original description in Bulletin 181, page 211.

New description by D.R.S., 1952, as follows:

Located about 15.5 mi. NE. of Wawona and 12.0 mi. SE. of Yosemite, on highest point of Red Peak.

To reach from Bass Lake Post Office, drive N. on Soldier Meadow Road 28.9 mi. to Parker's High Sierra Pack Station thence with stock up Fernandez Pass Trail 6-hrs. to Moraine Meadow thence N. 1-hr. on Merced Pass Trail to Red Peak Trail thence E. 1-hr. to Ottoway Lake and camp site. Pack N. from camp site up large drain to ridge thence E. up ridge to highest point and station. A 2-hr. pack.

Station mark: Standard tablet (old style) stamped "RED 2 1952" cemented in large boulder.

Note: Old tablet was found in crack in rock (not cemented). Old mark was stamped and cemented in drill hole about 6-in. S. of old position.

Note: No suitable place was available for reference marks.

CALIF. ZONE 3
X=2,315,990.6
Y= 421,995.7

V. A. elevation 11,699 ft.

Latitude: 37°39'14.209" Longitude: 119°24'30.489"

To Station	Azimuth	Back Azimuth	Feet
Shuteye(C&GS)	2°48'55.9"	182°48'14.8"	110,969.2
Iron(VABM 9154)	20 18 48.5	200 15 52.7	66,943.4
Raymond	40 54 53.2	220 49 15.7	68,081.1
Buena Vista	55 15 00.7	235 11 02.9	38,163.2
Signal Peak L.O.	64 46 59.1	244 34 52.0	106,130.0
Clouds Rest(VABM 9929)	150 57 03.6	330 54 07.9	47,497.4
Mt. Conness(C&GS)	192 33 54.6	12 37 09.2	116,846.1
Mount Dana(C&GS)	211 12 51.4	31 20 46.8	104,832.8
Lyell No. 2	231 58 30.2	52 03 33.7	50,615.1
Sadler Pk.	277 55 50.4	98 00 50.2	39,850.0
Iron Mtn.	282 10 29.5	102 19 28.0	72,596.5
Madera(USBR)	346 27 10.8	166 28 28.0	43,559.2

GPO 978191

FILE COPY

SING PK. (1-70D) (n)

Madera County

Calif. (436)

D. R. Steele

1952

1927 N.A.D. (unadjusted)

Books: PH 207-208

Located about 13.0 mi. (airline) E. of Mariposa Grove Big Trees, 6.0 mi. (airline) WNW. of Clover Meadow Ranger Station, on highest point of Sing Pk.

STATION MARK AND SIGNAL: Highest point.

V. A. ELEVATION: 10,552 feet

Latitude 37°33'15.20"

Longitude 119°23'11.44"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log.Meters</u>
Lyell No. 2	206°23'57"	26°28'12"	4.36113
Sadler Pk.			4.13948
Iron Mtn.	251 59 49	72 07 59	4.31599
Green Mtn. (USBR)			4.09552
Cattle Mtn. (USBR)			4.15444
Madera (USBR)			3.33723

(n) = Not Occupied

12/4/52 cg ✓

FILE COPY

~~PP~~ 1-103C

Mariposa County

Calif. (436)

W H. Chapman

1952

1927 N.A.D. (unadjusted)

Books: PH 207-208

Located about 13.0 mi. (airline) SSW. of Tuolumne Meadows Ranger Station, 9.0 mi. (airline) SSE. of Yosemite, on top of large granite monolith 1.0 mi. E. of Starr King Meadow.

STATION MARK: Copper nail with washer, set in drill hole on large boulder 2 ft. N. of highest point.

SIGNAL: Red over white flags on pole centered over station mark.

SIGNAL DATA:	Top red flag	11.1 ft.
	Between red/white	7.4 "
	Bot. white flag	4.4 "

CALIF. ZONE 3
 X=2,296,336.
 Y= 441,531.

V. A. ELEVATION: 8962.5 feet

Latitude 37°42'29.54"

Longitude 119°28'32.23"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log.Meters</u>
Buena Vista	15°59'09"	195°57'39"	4.11952
Starr King			3.56253
Clouds Rest			3.82694
Clarks Peak			3.64647
Red 2	315 28 22	135 30 50	3.92679

12/4/52 cg ✓

FILE COPY

P.P. 1-106C

Madera County

Calif. (436)

D. R. Steele

1952

1927 N.A.D. (Unadjusted)

Books: PH 207-208

INACTIVE FILE

Located about 14.0 mi. (airline) E. of Yosemite Valley, 9.2 mi. (airline) S. of Tuolumne Meadows Ranger Station, on highest point on W. end of divide between Lyell Fork of Merced River and Florence Creek. The divide drops abruptly for about 1000 ft. on Florence Creek side.

To reach from Tuolumne Meadows Ranger Station, ride S. on Vogelsang High Sierra Camp Trail for 2 1/2 hours to Vogelsang High Sierra Camp, thence take Vogelsang Pass Trail for 2 hours to Isberg Pass Trail jct., thence left onto Isberg Pass Trail for 1 hour to second creek crossing after making steep ascent. Turn left up stream cross country for 20 minutes to meadow on bench. Camp at this point. From here ride NNE. up meadow to higher bench, continue across bench to highest point and station.

STATION MARK: Copper nail with washer leaded into drill hole in large granite boulder.

REF. MARKS: None set.

SIGNAL: Cairn.

SIGNAL DATA: Top of cairn 3.0 feet

CALIF. ZONE 3
X=2,335,482.
Y= 454,751.

V. A. ELEVATION: ^{11,275-7MM} ~~12,275.1~~ feet

Latitude 37°44'35.72"

Longitude 119°20'23.08"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log.Meters</u>
Triple Divide Pk.			4.10280
Red 2	31°27'44"	211°25'12"	4.06527
Clarks Peak			3.96980
Starr King			4.21006
Clouds Rest	101 49 11	281 43 43	4.12611

12/4/52 cg ✓

FILE COPY

706-207-11

Madera County

Calif. (436)

Engineering Service Corp.

1951

1927 N.A.D.

ELEVATION: 8530.60 ft.

GRID COORDINATES CALIF. III

X = 2,356,132.63

Y = 393,628.66

Latitude 37°34'28.837"

Longitude 119°16'15.987"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log Meters</u>	<u>Miles</u>
Jackass Rock	9°28'30.62"	189°27'25.56"	4.2028273	9.912
706-207-01	27 58 44.59	207 56 39.02	4.0331869	6.707
" " 13	65 32 45.18	245 29 00.95	3.9965707	6.165
" " 12	286 47 47.28	106 48 40.75	3.3517482	13.967
" " 08	330 35 23.82	150 36 51.02	3.8546550	4.446
Squaw Dome	356 02 10.40	176 02 28.14	4.0150866	6.433

5/20/52 cg ✓

FILE COPY

HORIZONTAL CONTROL DATA

by the
 Coast and Geodetic Survey
 NORTH AMERICAN 1927 DATUM

QUAD 371191 STATION 1012
 CALIFORNIA
 LATITUDE 37° 30' TO 38° 00'
 LONGITUDE 119° 00' TO 119° 30'
 DIAGRAM NJ 11-7 MARIPOSA

FORM 525
 (8-18-59)

U.S. DEPARTMENT OF COMMERCE
 COAST AND GEODETIC SURVEY

DESCRIPTION OF TRIANGULATION STATION

NAME OF STATION: **CATTLE** STATE: **California** COUNTY: **Madera**
 CHIEF OF PARTY: **G.A. Annis** YEAR: **1968** DESCRIBED BY: **D.A. Bowling**

NOTE	HEIGHT OF TELESCOPE ABOVE STATION MARK (UNDERGROUND-STATION MARK)	HEIGHT OF LIGHT ABOVE STATION MARK (METERS)	DISTANCES AND DIRECTIONS TO AZIMUTH MARK, REFERENCE MARKS AND PROMINENT OBJECTS WHICH CAN BE SEEN FROM THE GROUND AT THE STATION			
			BEARING	FEET	METERS	DIRECTION
2		1.1				
12a	BROWN RM NO 2		E	20.95	6.387	0 00 00.00
	Shuteye Lookout House		ESE	(16 miles)		24 45 58
12a	RM NO 1		N	15.28	4.654	281 25 31

Station is located about 25 miles north-northeast of North Fork, 17 miles north-northwest of the High Sierra Ranger Station, 17 miles southwest of Mammoth Lake, 2.5 miles east-southeast of the Clover Ranger station, on a low rock covered ridge running southwest-northeast that has a few scattered trees, with the station on the highest point, near the southwest end of ridge.

To reach from the surfaced intersection, just south of the U.S. Post Office in the village of North Fork, go easterly on surfaced road for 0.25 mile to a surfaced crossroad, continue easterly on Mammoth road for 0.95 mile to a fork and sign "Mammoth Pool 43", keep the right fork following main surfaced road southeasterly then northerly for 36.3 miles to a fork and sign "Mammoth Pool", keep the left fork and continue on the main surfaced road northerly for 8.0 miles to the end of surfaced road, continue ahead on main graveled road northerly for 1.9 miles to a side road left, continue ahead, northerly, on main graveled road for 3.2 miles to a fork and sign "Clover G.S. 2", keep the right fork and continue northerly on main graveled road for 1.8 miles to a fork just before reaching the Clover Ranger Station on the left, keep the right fork and follow main graveled road for 0.45 mile to a fork and sign "Granite Creek Campground 1/2", keep the right fork and follow main traveled road for 1.2 miles passing through campgrounds to a fork just after crossing a small creek and sign "Saddle and Pack Stock", keep the right fork and follow main track road easterly crossing a creek for 1.0 mile to a fence and sign "Boundary-Water Shed Protection Area", continue easterly along the south side of fence and up steep grade for 1.65 miles to a side track road right and a painted triangular blaze on a 20-inch tree on the right, turn right on dim track road and go southerly through wooded area for 0.75 mile to where track road reaches top of a rock covered ridge and a sharp drop off, continue southerly for 1.3 miles to the end of truck travel, from here pack south-southwest crossing saddle and up ridge to the highest point and the station, packing time is about 30 minutes, a 4-wheel drive truck is needed for about the last 2 miles.

Station mark, a standard disk stamped CATTLE 1968, cemented in a drill hole in an outcrop which projects about 3 inches and the mark is countersunk about 2 inches below the surface of the outcrop. It is 54.2 feet north of a 15 inch pine tree and on the highest part of the ridge. Reference mark 1, a standard disk stamped CATTLE NO 1 1968, cemented

in a drill hole in an outcrop which is about 1 foot lower than the station, mark is countersunk about 2 inches below the surface of the outcrop. It is 54.0 feet north of a 15 inch pine tree and on the top of ridge.

Reference mark 2, a standard disk stamped CATTLE NO 2 1968, cemented in a drill hole in an outcrop and is countersunk about 2 inches below the surface of the outcrop. It is 25.7 feet north of a 15 inch pine tree and on the top of ridge.

U.S. Bureau of Reclamation Bench Mark, stamped DATUM 706 207 8, cemented in a drill hole in an outcrop and projects 4 inches. It is 55.8 feet north of a 15 inch pine tree.

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: **CATTLE**
 STATE: **CALIFORNIA** YEAR: **1968** ORDER: **SECOND**
 LOCALITY: **SIERRA NATIONAL FOREST**
 SOURCE: **G-14172** FIELD SKETCH: **CALIF 540**

GEODETIC LATITUDE	37° 31' 06.61782	ELEVATION	2420.6	METERS
GEODETIC LONGITUDE	119° 13' 52.88147		7942	FEET

STATE COORDINATES (FEET)				
STATE & ZONE	CODE	X	Y	8 10R Δ #1 ANGLE °
CALIF. III	0403	2,367,929.16	373,331.96	+ 0 46 36
CALIF. IV	0404	1,932,892.33	795,609.40	- 0 08 17

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE 8 10R Δ #1 FORM, NEGLECTING THE SECOND TERM

TO STATION OR OBJECT	GEODETIC AZIMUTH (From mark)	PLANE AZIMUTH (From mark)	CODE
BROWN	0 08 52.5	359 22 16	0403
BROWN	0 08 52.5	0 17 09	0404

HORIZONTAL CONTROL DATA

by the
 Coast and Geodetic Survey
 NORTH AMERICAN 1927 DATUM

CALIFORNIA

436

QUAD 371191 STATION 1013
 CALIFORNIA
 LATITUDE 37° 30' TO 38° 00'
 LONGITUDE 119° 00' TO 119° 30'
 DIAGRAM NJ 11-7 MARIPOSA

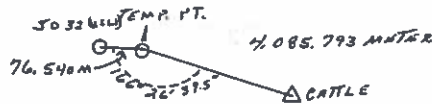
DESCRIPTION OF ~~XXXXXXXXXXXXXXXXXXXX~~ STATION
 BENCH MARK GEODIMETER TRAVERSE
 NAME OF STATION: JD 32 (USGS)

CHIEF OF PARTY: C.A. Annis YEAR: 1968 STATE: California COUNTY: Madera

Description, including sketch of object: Station is located about 25 miles northeast of North Fork, 2 1/2 miles northwest of Cattle Mountain and 1 1/2 miles north of the Clover Ranger Station in the Granite Creek Campgrounds.

To reach from the Clover Ranger Station, go northerly on main road for 0.45 mile to fork and sign "GRANITE CREEK CAMPGROUNDS 1/2", take the right fork and follow main road for 1 mile to the Granite Creek Campgrounds Rest-room and station.

Station mark, a U.S. Geological Bench Mark disk stamped 6969 JD 32 1952, is set in a drill in a large boulder which projects 1 foot. The mark is 30 feet west of the rest-room and 32 feet east of the base of a rock ledge.



FORM CG-05-525b (12-68)
 USCGM-DC 30230-P42

Described by Harold D. R. [Signature]
 U.S. DEPARTMENT OF COMMERCE
 COAST AND GEODETIC SURVEY

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: BENCH MARK JD 32 USGS
 STATE: CALIFORNIA YEAR: 1968 SECOND ORDER
 LOCALITY: SIERRA NATIONAL FOREST
 SOURCE: G-14172 FIELD SKETCH: CALIF 540
 NO OBSERVATIONAL CHECK ON THIS POSITION

GEODETIC LATITUDE	37 32 30.48208	ELEVATION	2124.15 METERS
GEODETIC LONGITUDE	119 16 05.62475		6969.0 FEET

STATE COORDINATES (Feet)				
STATE ZONE	CODE	X	Y	S HOR Δ RI ANGLE*
CALIF. III	0403	2,357,124.29	381,670.32	+ 0 45 15

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE S HOR Δ RI FORMULA NEGLECTING THE SECOND TERM

TO STATION OR OBJECT	GEODETIC AZIMUTH (From True)	PLANE AZIMUTH (From True)	CODE
CATTLE	308 24' 44.5	307 39' 30"	0403

POSITION DETERMINED BY TRAVERSE FROM STATION CATTLE

FILE COPY
 FEB 6 1981

37 119 1

CALIF. 436

37°30'
119 15

NAME

STATION

BENCH MARK JD 32 USGS

1013

435

1191352.675

RECORD OF SURVEY MONUMENT

State California County Madera
 Section 3 T. 53 R. 25 E Mt. Diablo B. & M.
 Lat. 0 Long. 0
 Y 973,285.06 X 2,367,946.43 Zone 3
 Grid Azimuth _____
 Hor. Accuracy THIRD ORDER
 Book Ref. (Hor.) BL # 535
 Photo Identity Picture Number 1-86

Station Designation CATTLE MT. U.S.R.R.
 Type of Marker BRASS CAP Stamped
 Set Concrete in Hole Drilled in Rock
 By E.S.C. Organization U.S.R.R. Date SEP 1951
 Elevation 7,951.04 Ft Datum 1929
 Vert. Accuracy THIRD ORDER
 Book Ref. (Vert.) BL # 535
 Project Upper San Joaquin River

DESCRIPTION

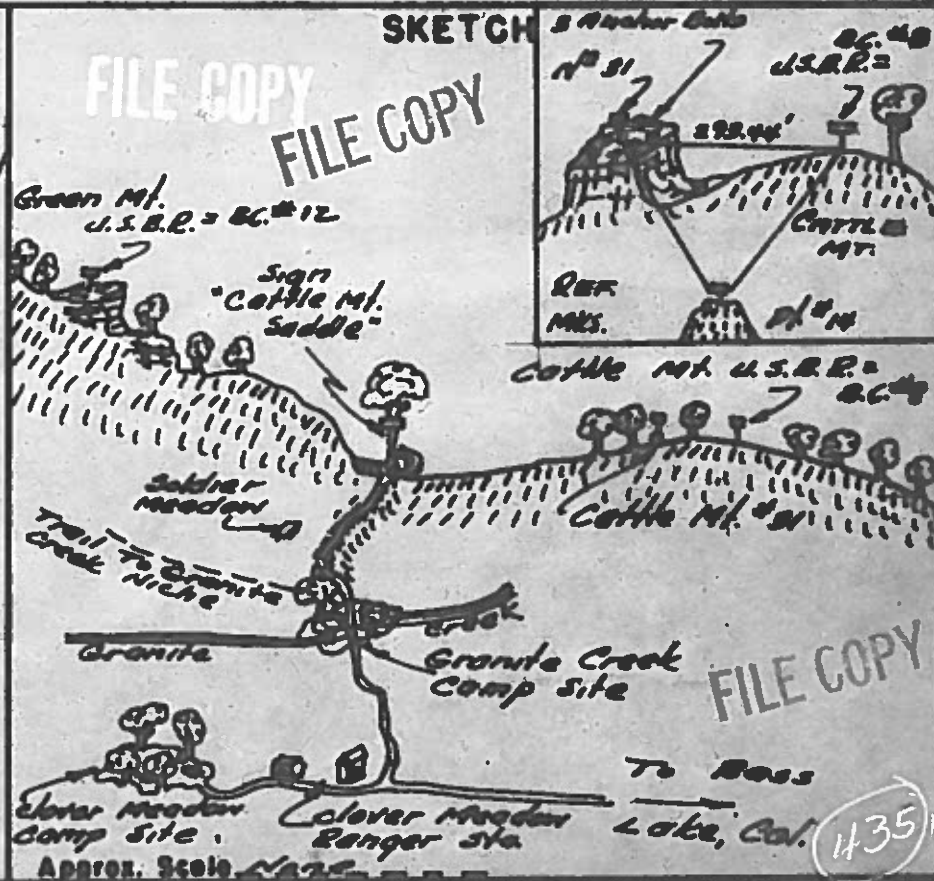
Route - From Bass Lake Calif. Proceed 33 mi. N. to Clover Meadow Ranger Sta. Thence N.E 1 mi. to Granite Creek Camp. Vehicle with low, low & 4 wheel drive can travel across Granite Creek & proceed on road to east up steep grade thru Soldier Meadow to sign which marks Cattle Mt. Saddle. Follow trail on foot south, southeast over ridge for 1 hr. - 45 min. to last crest of ridge. One will cross over 3 distinct summits before arriving at sta.

Detail -

Sta. is brass cap set in concrete on southwest end of cattle mt., highest point on Summit. Sta. Cattle Mt. # 51 can be seen 293.44 Ft to Northeast atop a large boulder. Ridge slopes abruptly on east side down to River.

To Station	Azimuth (Good Grid)	Distance
Cattle Mt. (SD)	N62° 39' 34.5" E	293.44
-----	-----	-----
-----	-----	-----
-----	-----	-----

SKETCH



435

RECORD OF SURVEY MONUMENT

State CALIFORNIA County MADERA
 Section 20 T. 43 R. 25 E Mt. DIABLO B & M.
 Lat. 0 Long. 0
 Y 391,589.23 X 2,363,219.70 Zone 3
 Grid Azimuth
 Hor. Accuracy THIRD ORDER
 Book Ref. (Hor.) Bk # 235
 Photo Identity Picture Number 1-88 27-8

Station Designation GREEN MT. U.S.B.K. ^{B.C. #12}
 Type of Marker BRASS CAP Stamped 1951
 Set Concreted in Rock - Hole Drilled in Rock
 By E.S.C. Organization U.S.B.R. Date Sept. 1951
 Elevation 2,609.14 Datum 1929
 Vert. Accuracy THIRD ORDER
 Book Ref. (Vert.) Bk # 535
 Project UPPER SAN JOAQUIN RIVER

DESCRIPTION

Route - From Bass Lake, Calif. Proceed 33 Mi. N. to Clover Meadow Ranger Sta. Thence N.E. 1 Mi. to Granite Creek Camp. Vehicle With Low Low & Four wheel Drive can travel across Granite Creek & proceed on road to east up steep Grade through Soldier Meadow to sign which marks Cattle Mt. Saddle. Turn (left) North at sign for 1/2 Mi. to toe of Green Mt. & End of Road. Follow trail north, center of ridge all way to summit of Green Mt. Party with Full Pack 1 1/2 hrs.

Detail -

Brass Cap is on flat shelf 5'x6" in area on edge of steep bluff. Anchor bolts are still in place, which supported former signal. Sta. is 19.73 Ft. East of Green Mt. #32 Brass Cap protrudes 1 1/4" above surface of rock.

To Station	Azimuth (Geod.)(Grid)	Distance
<u>206-207-11</u>	<u>S 73° 57' 0.0" W</u>	<u>2,303.16</u>
<u>Syran Dam</u>	<u>S 7-41-24.4 W</u>	<u>32,042.52</u>
<u>206-207-1</u>	<u>S 38-20-20.4 W</u>	<u>37,544.01</u>

SKETCH



Approx. Scale None

436

Y=N=

379767.190

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION - REGION II

6

RECORD OF SURVEY MONUMENT

 State California County Madera
 Section 31, T. 4 S, R. 24 E, MT DIABLO, B. & M.
 Lat. 0 Long. 0
 Y 379,767.19 X 7,326,684.05 Zone 3
 Grid Azimuth _____
 Hor. Accuracy THIRD ORDER
 Book Ref. (Hor.) BK # 535
 Photo Identity Picture Number # 1-48

 Station Designation Madera B.C. #13
 Type of Marker BRASS CAP Stamped 706-297-13
 Set Concreted in Hole Drilled in Rock
 By E.S.C. Organization U.S.B.R. Date SEPT. 1951
 Elevation 10,513.18 Ft. Datum 1929
 Vert. Accuracy THIRD ORDER
 Book Ref. (Vert.) BK # 535
 Project Upper San Joaquin River

DESCRIPTION

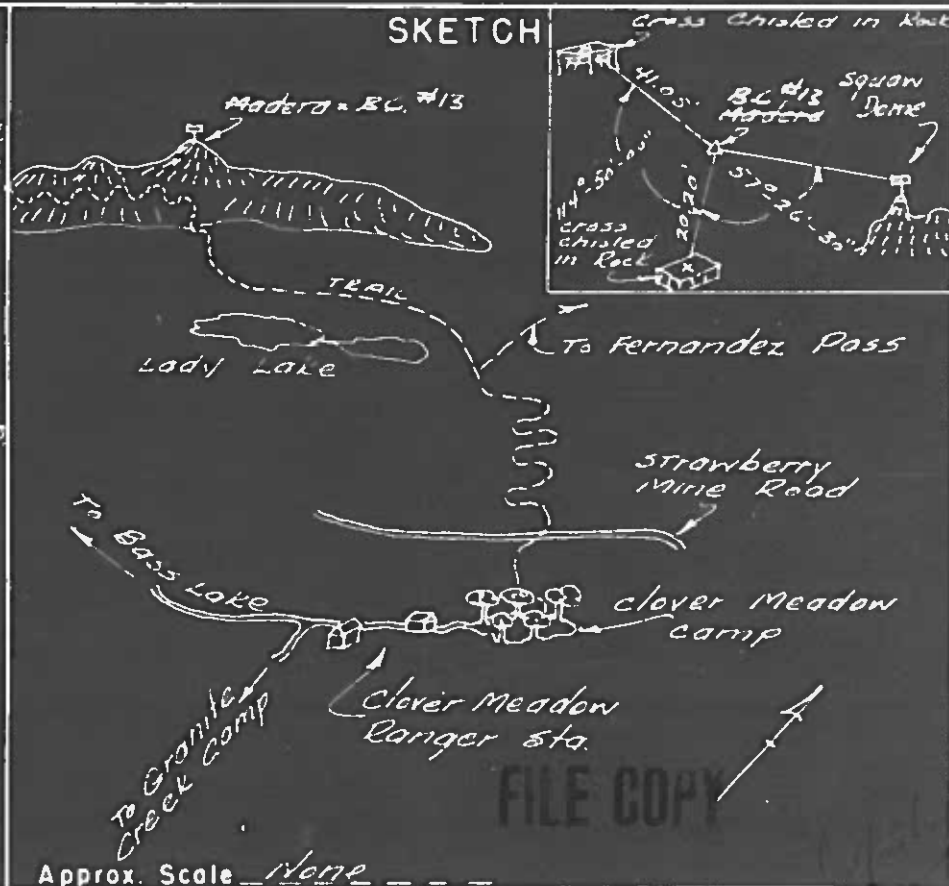
Route - From Bass Lake, Calif. proceed 33 mi. North to Clover Meadow Ranger Sta. Continue North thru Clover Meadow Camp Site, thence (left) west over trail marked Fernandez Pass. Follow this trail for four hours to Lady Lake which is at base of Madera Peak. Follow Lake shore to southwest end for Camp Site. Best approach up slope is to North up draw about half way thence west to low slope of ridge. Time spent climbing 3 1/2 hrs.

Detail -

Sta. is on highest triangle shaped point of Madera. Southeast slope is vertical granite wall rising 600 Ft. above vegetation line. Reference Marks are covered by rock cairns.

To Station	Azimuth (Geod.) (Grid)	Distance
<u>CLVER MEADOW</u>	<u>S 32 - 29 - 07.6 E</u>	<u>104, 153.45</u>
<u>LAKE BASS ROAD</u>	<u>S 29 - 35 - 55.1 E</u>	<u>43, 551.20</u>
<u>706-297-13</u>	<u>N 72 - 04 - 10.9 E</u>	<u>38, 400.71</u>
<u>SQUAW JUNCTION</u>	<u>S 58 - 12 - 04.7 E</u>	<u>37, 933.96</u>

SKETCH



FILE COPY

#36

Y=N=

370623.950

RECORD OF SURVEY MONUMENT

State CALIFORNIA County MADERA
Section 9, T. 53, R. 24 E, Mt. Diablo C.B. & M.
Lat. 0 Long. 0
Y 370 623.95 X 2,336,907.52 Zone 3
Grid Azimuth
Hor. Accuracy THIRD ORDER
Book Ref. (Hor.) BK # 535
Photo Identity Picture Number # 1-47

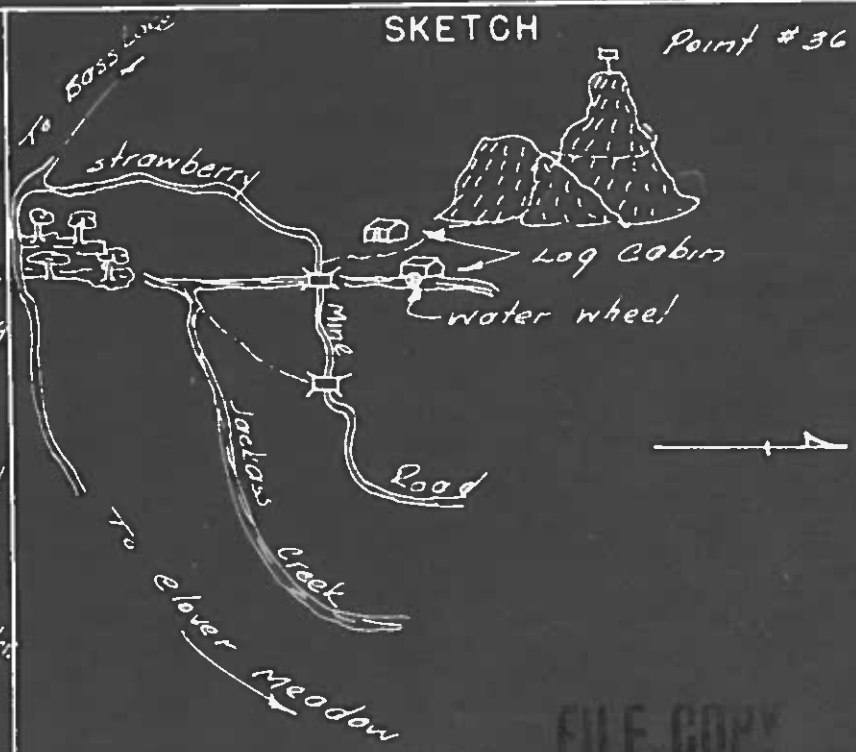
Station Designation Point #36
Type of Marker 3/4" Iron Pipe Stamped None
Set Concreted in Hole Drilled in Rock
By E.S.O. Organization U.S.B.R. Date Oct. 1951
Elevation 5246.01 Ft Datum 1929
Vert. Accuracy THIRD ORDER
Book Ref. (Vert.) BK # 535
Project UPPER SAN JOAQUIN RIVER

DESCRIPTION

Route - From Bass Lake Calif. travel 25 3/4 mi. N. to fork with sign to Strawberry Mine, just west of Jackass Meadow. Follow Mine Road to first bridge, Log Cabins and water wheel. Thence over trail to N.W. to Sta. Pt. is most N.E. W & highest rock peak in prominent rock scarp overlooking the N.W. corner of Jackass meadow. Sides are very steep and climbing is very difficult.

Detail - 300 Ft. to west is a higher rock, but detached from the scarp. Station is in crack between boulders forming highest point of peak & about 4' below highest point. Sta. is 3/4" x 5" pipe with 3/4 x 1 1/4 expanders.

SKETCH



To Station	Azimuth (Geod.) (Grid)	Distance
Sequential Points	S 63° - 46' - 30.0 E	24,543.12
Station to P. #36	S 22° - 41' - S.O.W	64,534.44

Approx. Scale

FILE COPY

436

RECORD OF SURVEY MONUMENT

State CALIFORNIA County MADERA
 Section 8, T. 4 S, R. 25 E, Mt. Diablo B. & M.
 Lot 0, Long 0
 Y 403,363.05 X 2,362,027.92 Zone 3
 Grid Azimuth
 Hor. Accuracy THIRD ORDER
 Book Ref. (Hor.) BK # 535
 Photo Identity Picture Number # 1-50 & # 1-87

Station Designation POINT # 16 B.C. # 10
 Type of Marker BRASS COP Stamped U.S.A.R. 226-207-10
 Set Generated in Hole Drilled in Rock
 By E.S.C. Organization U.S.A.R. Date SEPT. 1951
 Elevation 8,590.26 Datum 1929
 Vert. Accuracy THIRD ORDER
 Book Ref. (Vert.) BK # 535
 Project UPPER SAN JOAQUIN RIVER

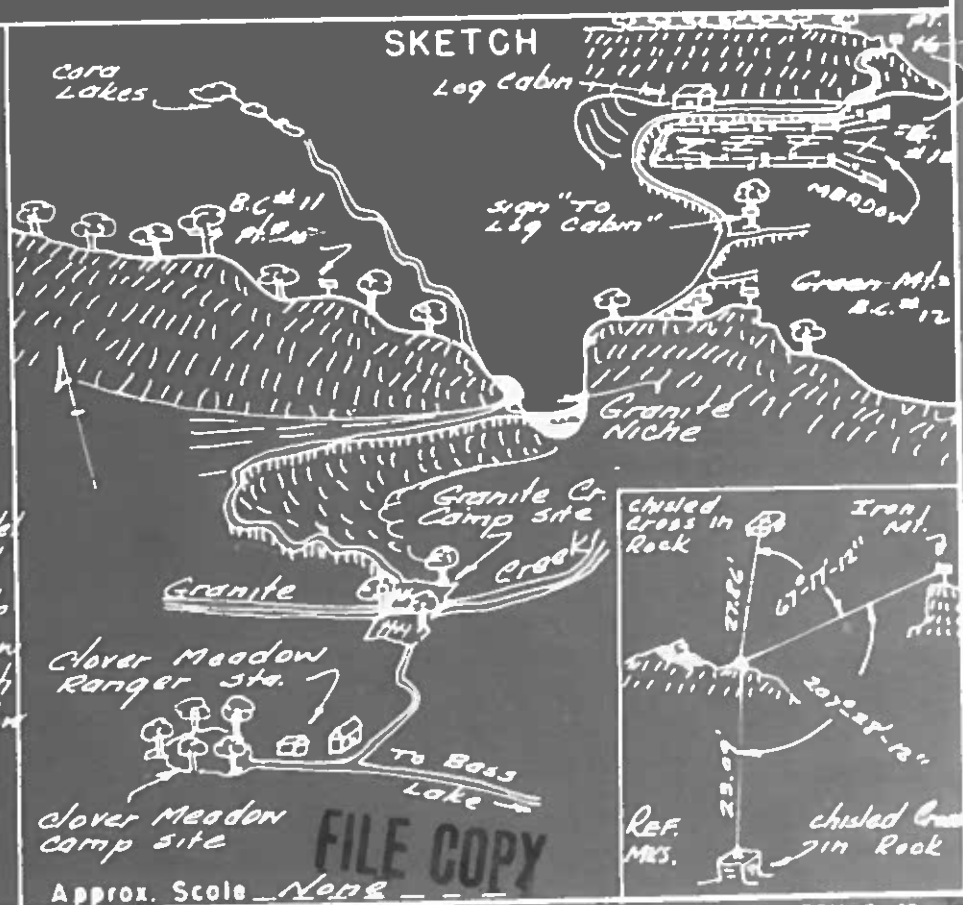
DESCRIPTION

Route - From Bass Lake, Calif. proceed 93 Mi. N. to Clover Meadow Ranger Sta. Thence N.E. (right) for 1 Mi. to Granite Creek Camp which is far as vehicle can travel. Continue over N. trail to Granite Niche. After passing niche, ford creek on trail to East. Follow trail (N. of Green Mt.) for 1/2 Mi. to first fork. Thence on most northerly trail for 2 mi. to 2nd fork. Follow west trail marked "To Log Cabin" for 3 mi. to large fenced in meadow with cabin Detail - at west end.

Follow path east, along toe slope & parallel to N. fence line. Pt 16 is on low slope, east end of long crest overlooking meadow to south. Five hours on horses from Clover Meadow to Sta. Pt. 16 approx. 1/2 mile east & 1/2 mile north of Cora Lakes. Summit is North Boundary of meadow

To Station	Azimuth (Geod. N Grid)	Distance
206-207-11	S 31° 11' 29.0" W	4,580.73
Green Mt. (S.S.)	S 12° 39' 36.1" E	30,574.15
Iron Mt. (S.S.)	N 5° 51' 30.5" E	33,940.78

SKETCH



436

1191615.972

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION - REGION II

RECORD OF SURVEY MONUMENT

 State CALIFORNIA County MADERA
 Section 19, T. 4S, R. 25E, MT. DIABLO B. & M.
 Lot 0 Long 0
 Y 393,627.49 X 2,556,133.87 Zone 3
 Grid Azimuth
 Hor. Accuracy THIRD ORDER
 Book Ref. (Hor.) BK # 535
 Photo Identify Picture Number 1-50 & 1-86

 Station Designation POINT #15 B.C. #11
 Type of Marker BRASS CAP Stamped U.S.B.R. 726-207-11
 Set CONCRETED IN HOLE DRILLED IN ROCK
 By E.S.C. Organization U.S.B.R. Date SEPT 1951
 Elevation 8,530.60' Datum 1929
 Vert. Accuracy THIRD ORDER
 Book Ref. (Vert.) BK # 535
 Project UPPER SAN JOAQUIN RIVER

DESCRIPTION

Route - From Bass Lake, Calif. Proceed 33 Mi. N. to Clover Meadow Ranger Sta. Thence N.E. (Right) for 1 mi. to Granite Creek Camp. This is as far as vehicle can travel. Continue over trail N. to Granite Creek Niche. Upon Approaching Niche one can view Pt #15 to Northwest. Trail entering Niche follows east toe of Pt #15. From Clover Meadow Ranger Sta. trip requires 2 hrs on horses. Best approach is thru drain on North Side. Slope can be climbed in 25 min.

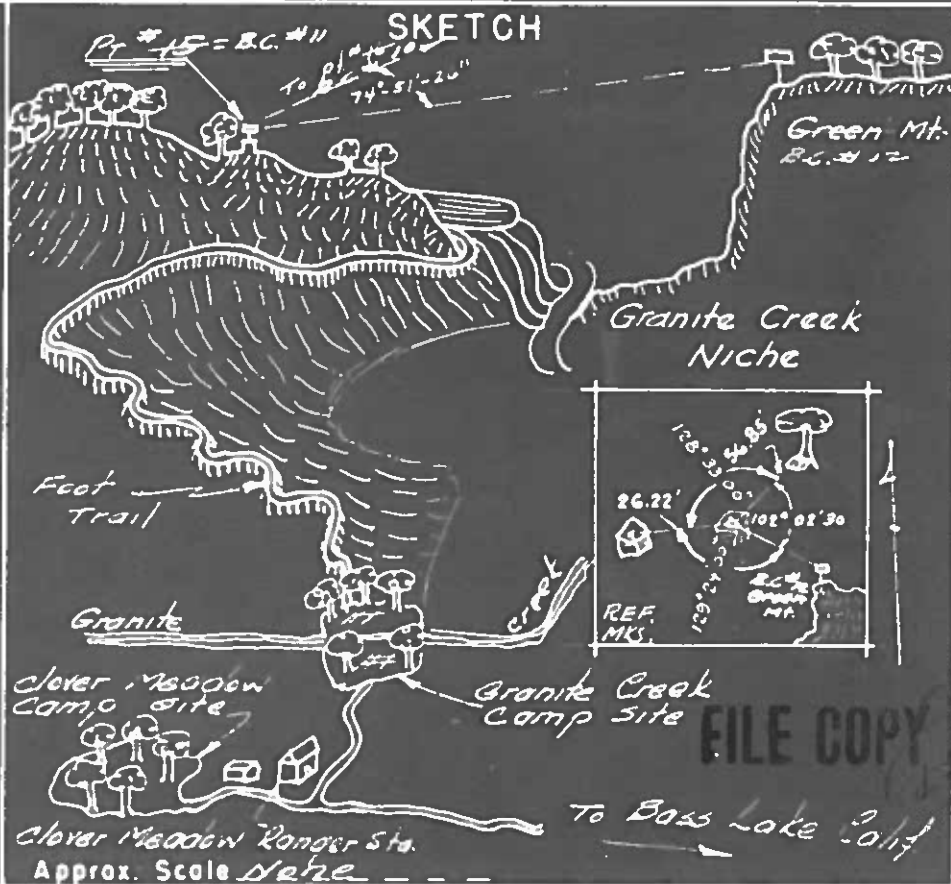
Detail -

Brass Cap set in Granite Rock which is 5' x 7' on top and 6' above ground. Second highest crest west of Granite Creek Niche is Pt #15. Three distinct summits are visible. Brass Cap protrudes 1' above top of rock.

To Station	Azimuth (Geod. X Grid)	Distance
<u>Searn Dove</u>	<u>S 4 - 42 - 45.5 E</u>	<u>33,963.92</u>
<u>726-207-10</u>	<u>N 31 - 11 - 39.0 E</u>	<u>4,342.73</u>
<u>726-207-12</u>	<u>S 73 - 57 - 01.0 E</u>	<u>2,372.16</u>

G.I. 3880 A

SKETCH



FILE COPY

REV. 5-49

436

1191601-200

RECORD OF SURVEY MONUMENT

 State CALIFORNIA County MADERA
 Section 31, T. 4 S, R. 25 E, MT. DIABLO B. & M.
 Lat. 0 " Long. 0 "
 Y 383,529.45 X 2,353,423.95 Zone 3
 Grid Azimuth _____
 Hor. Accuracy THIRD ORDER
 Book Ref. (Hor.) BK # 535
 Photo Identity Picture Number # 1-86

 Station Designation Point # 14
 Type of Marker 3/4" Iron Pipe Stamped None
 Set 3/4" Cast Iron Pipe cemented in Drilled Hole
 By E. S. C. Organization U. S. B. R. Date Sep 1951
 Elevation 7,654.91 Ft. Datum 1929
 Vert. Accuracy THIRD ORDER
 Book Ref. (Vert.) BK # 535
 Project UPPER SAN JOAQUIN RIVER

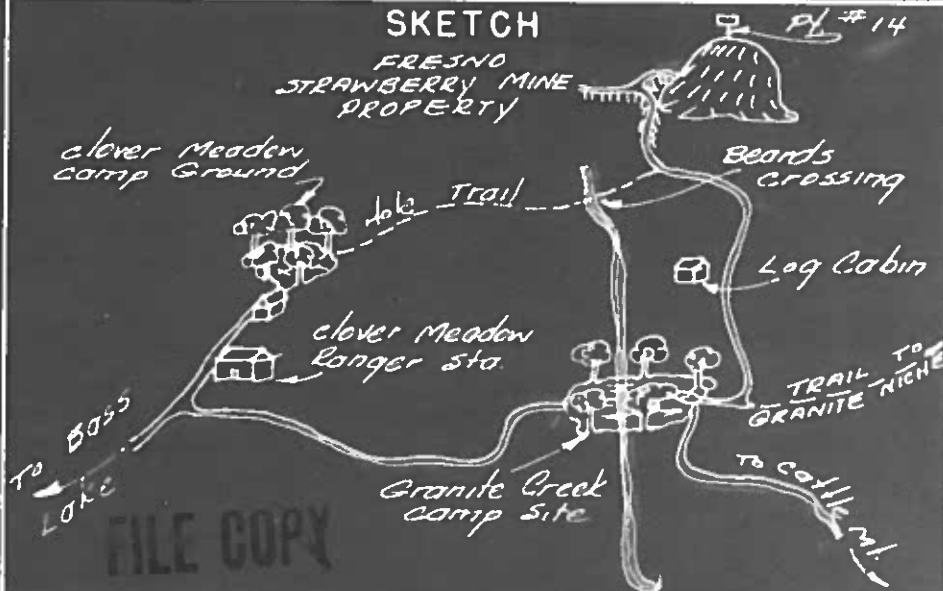
DESCRIPTION

Route - From Bass Lake, Calif. proceed 39 mi. N. to Clover Meadow Ranger Sta. Thence east (Rt.) to Granite Creek Camp Ground. After Crossing Creek follow road northwest parallel to creek. About half way to sta. along this road one will pass a log cabin on edge of creek. Pt. 14 can be seen just east of road where same enters Fresno Mining Co. property. From Clover Meadow Ranger Sta. one can travel by vehicle to Pt. #14 in 45 min. and climb same in 25 min.

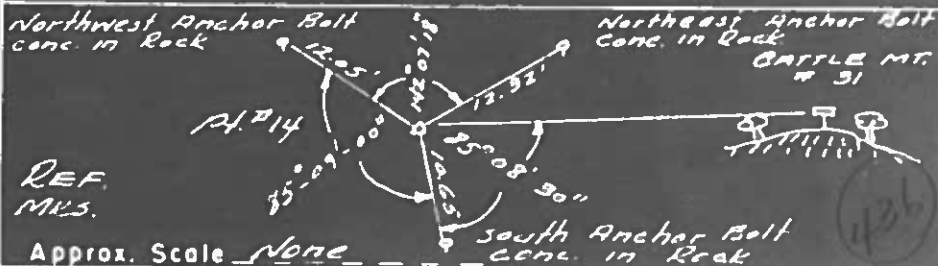
Detail -

Pt. #14 is 3/4" Iron Pipe protruding 2" above granite rock. Party returned via Hole Trail. Summit is small in area and bare of trees. Station tied to anchor bolts, see sketch.

SKETCH



To Station	Azimuth (Geod. X Grid)	Distance
- 796 - 207 - 12	N 50° 33' 10 1/2" E	12,685.30
- 796 - 207 - 13	S 81° 59' 28.1" W	22,203.28
- 796 - 207 - 14	S 13° 02' 20.0" E	24,372.63
- 796 - 207 - 1	S 32° 14' 52.0" W	25,388.82

Approx. Scale None

436

1191850.998

RECORD OF SURVEY MONUMENT

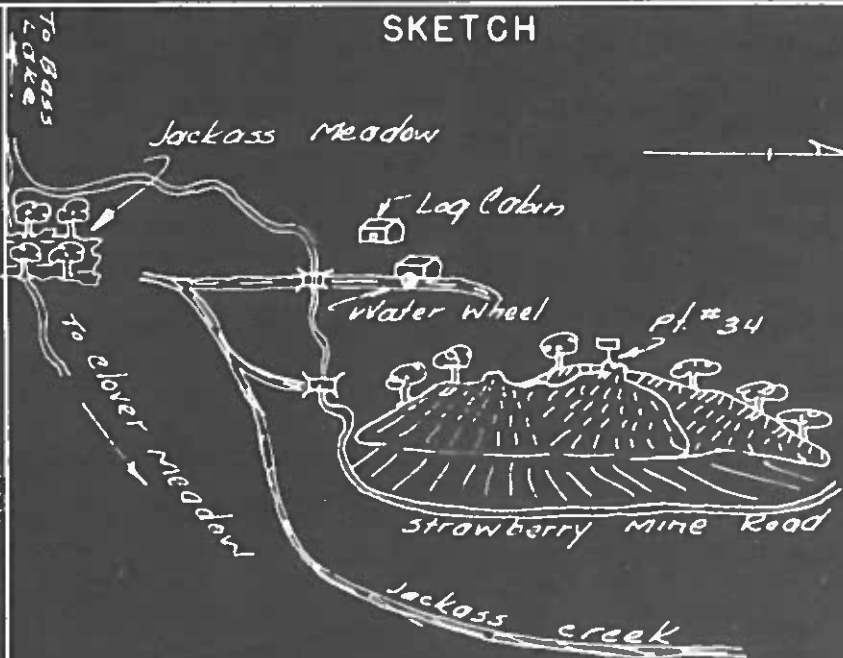
State CALIFORNIA County Madera Station Designation POINT #34
 Section 2, T. 55, R. 24E, Mt. DIABLO B. & M. Type of Marker 1" Iron Pipe Stamped None
 Lat. 0 Long. 0 Set Concreted in Hole Drilled in Rock
 Y 373, 413.99 X 2,343,902.03 Zone 3 By E.S.C. Organization U.S.B.R. Date Oct 1951
 Grid Azimuth _____ Elevation 7,636.02 Datum 1929
 Hor. Accuracy THIRD ORDER Vert. Accuracy THIRD ORDER
 Book Ref. (Hor.) BL # 535 Book Ref. (Vert.) BL # 535
 Photo Identity Picture Number # 1-85 Project UPPER SAN JOAQUIN RIVER

DESCRIPTION

Route - From Bass Lake, Calif. Travel 25 $\frac{3}{4}$ mi. to fork with sign marking Strawberry Mine Road just west of Jackass Meadow. Follow Mine Road passing Log Cabin and Water Wheel about half way in route. After crossing two bridges on above road one will follow curve ending in north direction. Peak can be seen to west of road on North end of ridge.

Detail - Sta. is 1 mi. airline N.Neast of Jackass Meadow on rock ridge west of Jackass Creek. Ridge slopes abruptly to east and gently toward west. Sta. is $\frac{3}{4}$ " x $\frac{5}{8}$ " pipe carrying $\frac{3}{4}$ x $\frac{1}{4}$ expander & plug set in solid rock.

SKETCH



To Station	Azimuth (Geod. X Grid)	Distance
Green Mt. (ED)	N46 41 55.0 E	26,530.94
Lawson Camp	S42 45 25.0 E	20,282.69
Yucca Flat Butte	S7 36 55.0 E	13,523.08

 Approx. Scale None