

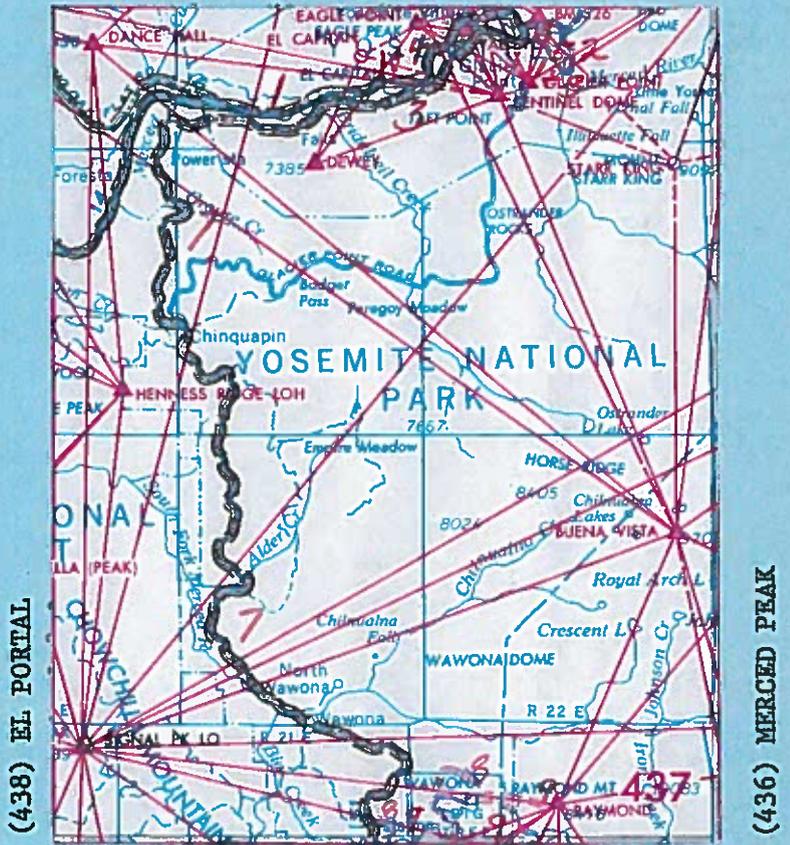
YOSEMITE

37°30'
119 30

CALIFORNIA 437

NGS 37 119 42 (79)

(455) HETCH HETCHY RESERVOIR



(418) BASS LAKE

(1) C.H. Semper & R.A. Farmer	1905	5714, Bul. 766
(2) G.M. Smith	1905	7683
(3) H.B. Leggett & G.M. Smith	1933	B 5041
(4) G.M. Smith	1933	B 5041
(5) G.M. Smith	1933	B 5042
(6) G.M. Smith	1933	B 5043
(7) G.M. Smith	1933	B 5044
(8) G. Brummond	1934	B 5352
(9) G. Brummond	1934	B 5354
(9) G. Brummond	1934	B 5354

TRIANGULATION YOSEMITE PROJECT CALIFORNIA

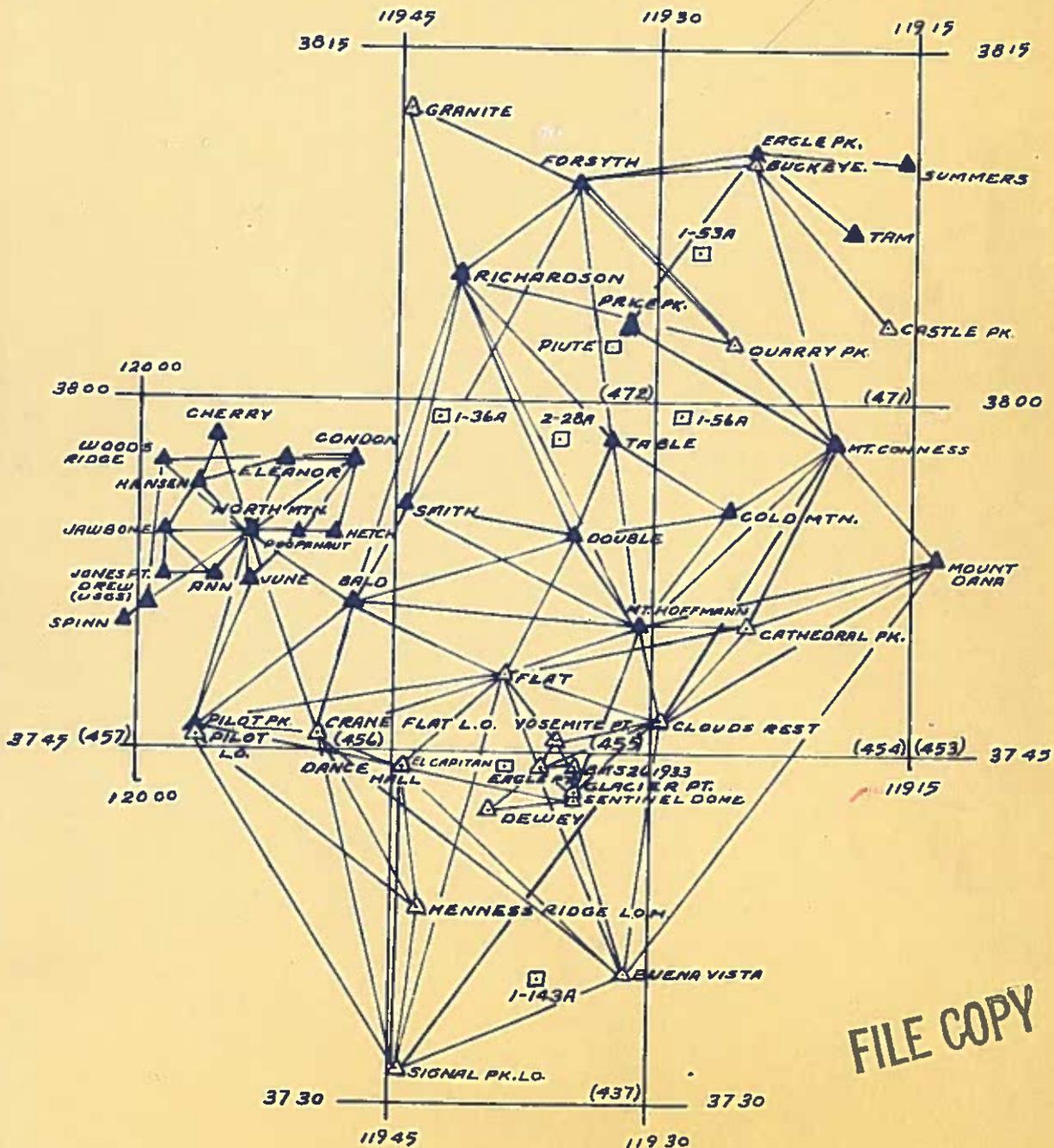
SKETCH BY F.B.L.
Nov. 21, 1956

BY: A.J. BAUSKA, - 1956 -
BOOKS: PH 469-470
PRELIMINARY

Master
37-30
119-30
437
FILE COPY

- QUADRANGLES**
- 437- YOSEMITE VALLEY
 - 453- MONO CRATERS
 - 454- MT. CONNESS
 - 455- HETCH HETCHY EAST
 - 456- HETCH HETCHY WEST
 - 457- TUOLUMNE
 - 471- MATTERHORN PEAK
 - 472- TOWER PEAK

- LEGEND**
- △ - U.S.G.S. STATIONS
 - ▲ - C.G.S. STATIONS
 - - SUPPLEMENTAL



FILE COPY

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CALIFORNIA
YOSEMITE PROJECT
By: A. J. Bauska, 1956
Books: PH 469--470
Preliminary

FILE COPY

<u>QUAD.NO.</u>	<u>STATION</u>	<u>SECONDARY STATIONS</u>	
456	Ann (C&GS)	437	El Capitan
437	BM "S 26 1933"(TT)	472	Piute
456	Bald (C&GS)	455	1-36 A
471	Buckeye (*Eagle)	471	1-53 A (CROWN POINT)
437	Buena Vista	454	1-56 A
471	Castle Peak	437	1-143 A
454	Cathedral Peak	455	2-28 A
456	Cherry (C&GS)		
454	Clouds Rest (324 EM)		
454	Cold Mtn. (C&GS)		
456	Condon (C&GS)		
456	Crane Flat L.O.		
437	Dance Hall		
437	Dewey (VA 7381)		
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437	Eagle Point (VA 7773)		
456	Eleanor (C&GS)		
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472	Forsyth (C&GS)		
437	Glacier Point (VA 7214)		
472	Granite		
456	Hansen (C&GS)		
437	Hennes Ridge L.O.H.		
456	Hetch (C&GS)		
456	Jawbone (C&GS)		
456	Jones Pt. (C&GS)		
456	June (C&GS)		
453	Mount Dana (C&GS)		
454	Mt. Conness (C&GS)		
455	Mt. Hoffmann (C&GS)		
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456	Pilot Lookout		
456	Pilot Peak (C&GS)		
456	Pooplanaut (C&GS)		
471	Price Pk. (C&GS)		
471	Quarry Pk. (VA 11153) (1-73A)		
472	Richardson (C&GS)		
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437	Signal Peak Lookout		
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455	Yosemite Point (VA 6935)		

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ANN (C&GS)

Tuolumne County

Calif. (456)

USC&GS, 1956
USGS, 1956 (Not occupied)

1927 N.A.D.

Books: PH 469-470

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Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located on the S; side of the Mather Road and overlooks the Tuolumne River, about 18 mi. airline ESE. of Tuolumne, 18 mi. airline NE. of Coulterville; 16 mi. ENE. of Groveland; 9.5 mi. SW. of O'Shaugnessy Dam.

"To reach from the Post Office in Groveland, go E. on State Highway No. 120 for 14.3 mi. to the Cliff House and the South Fork of the Tuolumne River; continue on hwy. for 0.5 mi. to a fork; take left for as per sign "CHERRY VALLEY DAM" for 5.3 mi. to a fork; take right fork as per sign "MATHER" and go 3.0 to a slight right curve and a sharp drop off to the left and a steep bank on the right and a blazed triangle on an 18-in. pine tree about 20 ft. S. of the center of graded rd.

"The station is about 75 ft. S. of the center of graded rd., 44 ft. S. of an 18-in. tree with blazes triangle, and about 50 ft. higher than the surface of the rd. It is a standard disk set in a drill hole in large boulder and it is stamped "ANN 1956".

Reference mark No. 1: About 1 ft. lower than the station and it is set in a drill hole in a large boulder. It is stamped "ANN NO 1 1956".

Reference mark No. 2: About 1 ft. higher than the station and it is set in a drill hole in large boulder. It is stamped "ANN NO 2 1956".

The azimuth mark is station "JONES PT. 1956" to reach see station description.

CALIFORNIA ZONE 3
X=2,164;827.6
Y= 499,196.2

*Elevation 4236.493 ft. (Spirit
Leveling by C&GS)

*Latitude: 37°52'10.742" *Longitude: 119°55'44.355"

*=Field values by USC&GS

11/9/56 mk *V*

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BM "S 26 1933" (TT)

Mariposa County

Calif. (437)

S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: PH 469-470

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Described in Traverse Line by S. C. Kain, 1933 as follows: "In front of Ahwahnee Hotel at edge of front side-walk, 9 ft. S. of pine tree in circular concrete side-walk, 45 ft. SW. of automobile driveway, 60 ft. E. of second angle in wall of building; bronze tablet in concrete monument set flush with ground and stamped "S 26 1933 3976 TT", being a permanent bench mark. (Elev. 3976.076 ft.)

Note by S.H.S., 1956: Station found as described.

Signal: Red flag on pole, 209.72 ft. from station mark in azimuth 12°56'16".

Signal data: Top red flag 7.2 ft.
Bottom red flag 4.4

Photo No. 1-133 VJS

CALIFORNIA ZONE 3

X=2,268,045.

Y= 455,077.

Elevation 3976.964 ft. (Spirit Leveling by G. M. Smith, 1933)

Latitude: 37°44'46.38"

Longitude: 119°34'22.60"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	89°44'56."	269°43'27."	11,787.
Yosemite Point	123 15 53.	303 15 11.	6,680.

11/9/56 mk

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BALD (C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956
J. P. Minta, 1956

1927 N.A.D.

FILE COPY

Books: PH 469-470

Located and reached by helicopter from preliminary USC&GS position.

Station mark: Standard C&GS disk stamped "BALD 1956" cemented in large boulder.

Reference mark No. 1: Standard C&GS reference mark disk stamped "BALD NO 1 1956" cemented in bedrock, 20.43 ft. from station mark in azimuth $294^{\circ}50'$.

Reference mark No. 2: Standard C&GS reference mark disk stamped "BALD NO 2 1956" cemented in large boulder, 15.18 ft. from station mark in azimuth $64^{\circ}42'$.

Signal: White flag over red cross targets in light stand centered over station mark.

Signal data: Top white flag	11.1 ft.
Bottom white flag	8.1
Top red X-tgt.	7.1
Bottom red X-tgt.	4.9
Top light stand	4.4

Image point No. 1: Center of tree, 140 ft. from station mark and 11 ft. lower in azimuth $124^{\circ}59'$.

Image point No. 2: Center of tree, 107 ft. from station mark and 25 ft. lower in azimuth $160^{\circ}11'$.

Image point No. 3: Center of tree, 100 ft. from station mark and 34 ft. lower in azimuth $230^{\circ}53'$.

Photo No. 1-22 VJS

CALIFORNIA ZONE 3
X=2,205;188.2
Y= 494,240.4

**V.A. elevation 7260.5 ft.(USGS, 1956)

*Latitude: $37^{\circ}51'19.013''$ *Longitude: $119^{\circ}47'21.486''$

*=Field Values by C&GS

**=Computed from USGS AND C&GS data.

11/9/56 mk

FILE COPY

BUCKEYE (*Eagle)

Mono County

Calif.(471)

C. F. Urquhart, 1905

1927 N.A.D.(Adj. 1954)

J. C. O'Dea, 1953

S. H. Schroeder, 1956

Books: ^{A 244-47} PH 269-270; PH 469-470

FILE COPY

Original description in Bul. 310, page 137 and 138 and Bul. 440, page 31, now obsolete.

Following description by J.C.O'Dea, 1953:

Located about 11 mi. SW. of Bridgeport; and 22 mi. NE. of Leeving; on highest point of Buckeye Ridge; locally known as Eagle Peak.

To reach from Bridgeport, drive NW. on U. S. Highway 395 4.0 mi. to a dirt T-rd.; turn left (W.) along dirt rd. 5.2 mi. to rd. crossing of Buckeye Creek; turn right (W.) on dim rd. 0.3 mi. crossing Eagle Creek and to trail and end of rd. Pack SW. along trail up Eagle Creek to highest point and station. About 5 mi. and 3 1/2-hour ride on horse back.

Station mark: Existing standard tablet stamped "VA 11816" set in decomposed rock under 3.3 ft. cairn.

Reference marks: None set

Note by S.H.S., 1956: Not occupied, but sta. "BUCKEYE" tied to new 1956 C&GS station "EAGLE PK". It is 38.48 ft. from C&GS station in azimuth 236°46'.

CALIFORNIA ZONE 3

X=2,314;039.7

Y= 613,545.8

V.A. elevation 11,849.9 ft..

(Computed from C&GS angles)

Latitude: 38°10'48.107"

Longitude: 119°24'26.940"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Leavitt	119°05'52.51"	298°56'51.64"	79;751.310
Emma	151 11 05.29	331 08 34.19	40;400.389
Wheeler	201 31 45.62	21 36 12.77	93;485.276
B.M. 6496	231 33 37.12	51 38 31.90	48,517.356
Potato Peak			
(USGS)(C&GS)	257 45 49.26	77 57 45.41	94;535.792
Castle Peak	317 22 24.60	137 27 22.80	57,045.750
Mount Conness			
(C&GS)	342 02 09.36	162 05 22.92	81,497.544

11/9/56 mk *VWJ*

FILE COPY

BUENA VISTA

Madrea County

Calif.(437)

W. H. Chapman, 1952
S. H. Schroeder, 1956

1927 N.A.D.(Adj. 1954)

Books: PH 207-208; PH 469-470

FILE COPY

Located about 11.0 mi. SSE. of Yosemite, 8.5 mi. NE. of Wawona, on highest point of Buena Vista Crest.

To reach from Buck Camp Ranger Station, in Southern Yosemite Park by pack train via Royal Arch Lake; turn off trail at Buena Vista Pass to W. up ridge to highest point and station. (Horses can be taken to within 20-minutes pack of station.)

Station mark: Standard tablet stamped "BUENA VISTA 1952" cemented in rock.

Reference mark No. 1: Copper nail and washer wedged in boulder, 8.72 ft. from station mark in azimuth 256°56'.

Reference mark No. 2: Copper nail and washer wedged in boulder, 20.45 ft. from station mark in azimuth 38°02'.

Note by S.H.S., 1956: Station mark and reference mark No. 1 found as described.

Station reached by helicopter.

Signal: White flag over red X-tgts. on pole centered over station mark.

Signal data:	Top white flag	10.9 ft.
	Bottom white flag	8.0
	Top red X-tgt.	6.2
	Bottom X-tgt.	4.0

Image point No. 1: 49 ft. from station mark and 11 ft. lower in azimuth 3°16'.

Image point No. 2: Center of large, dark area W. of station, 89 ft. from station mark and 10.7 ft. lower in azimuth 96°56'.

Photo No. 1-141 VJS

CALIFORNIA ZONE 3

X=2,284;891.8

V.A. elevation 9709.4 ft.(1952)

Y= 399,880.2

Latitude: 37°35'38.969" Longitude: 119°31'00.078"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log Meters</u>	<u>Feet</u>
Raymond	23°57'05.60"	203°55'25.77"	3.9960293	32509.74
Signal Peak L.O.	69 59 20.69	249 51 11.60	4.3215084	68784.83
Clouds Rest(VA BII 9929)	187 24 05.51	7 25 08.10	4.2889486	63816.47
Red 2	235 11 02.90	55 15 00.74	4.0656602	38163.17
Madera (USBR)	296 17 40.23	116 22 54.98	4.1503774	46383.30

11/9/56 mk *EVAN*

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CATHEDRAL PEAK

Mariposa County

Calif. (454)

L. B. Mansfield, 1956 (Not occupied)

1927 N.A.D.(Prelim.)

Books: PH 469-470

No description.

FILE COPY

Intersected by U. S. Coast and Geodetic Survey and USGS in 1956

Note: Positions and triangles computed from C&GS field data by USGS.

CALIFORNIA ZONE 3

X=2,316,308.

**V.A. elevation 10,940.3 ft.

Y= 492,631.

Latitude: 37°50'52.50"

Longitude: 119°24'16.26"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Mt. Conness(C&GS)	209°13'00."	29°16'06."	49,743.
Mount Dana (C&GS)	250 20 39.	70 27 26.	56,507.

**=Computed from USGS and C&GS data

11/9/56 mk ✓

FILE COPY

CHERRY (C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

FILE COPY

Books: PH 469-470

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance notes as follows:

"The station is located 23.5 mi. airline NE. of Coulterville, 17.5 mi. airline E. of Tuolumne; 19 mi. NE. of Groveland; and 1 mi. W. of The Cherry Valley Dam; on a low timbered and brush-covered ridge.

"To reach from the Post Office in Groveland, go E. on State Highway 120 for 14.3 mi. to the Cliff House and the South Fork of the Tuolumne River; continue on hwy. for 0.5 mi. to a fork; take left fork as per sign "CHERRY VALLEY DAM" for 5.3 mi. to a fork; take left fork as per sign "EARLY INTAKE DAM" for 3.0 mi. to the bridge just below the dam; continue on main traveled rd. towards the Cherry Valley Dam for 11.1 mi. to a "T" rd. left and sign on the right "CAMP 45 & WOODS RIDGE 3.0 MILE"; continue straight ahead for 2.0 mi. to T-rd. right and the azimuth mark on the left (Set in the top of a concrete culvert headwall) continue straight ahead for 0.3 mi. to an old logging rd. to the left; turn left on logging rd. to right up small draw to end of truck travel. From here pack up draw to top of small ridge a distance of 200 yards to top and station.

"The station is on the center of the crest of the ridge with a higher point of ridge to W. It is a standard disk stamped "CHERRY 1956" and projects 3-inches.

Reference mark No. 1: Standard disk stamped "CHERRY NO 1 1956" and projects about 2 ft.

Reference mark No. 2: Standard disk stamped "CHERRY NO 2 1956" and projects about 1 ft.

Azimuth mark is about 18 ft. W. of the center of hard surfaced rd., and entrance to the Cherry Valley Dam Road. It is a standard disk set flush in the top of the W. concrete headwall of a culvert. It is stamped "CHERRY 1956".

CALIFORNIA ZONE 3

X=2,166;513.6

Y= 536,764.7

*Elevation 5091.789 ft. (Spirit
Leveling by C&GS)

*Latitude: 37°58'22.063"

*Longitude: 119°55'20.439"

*=Field values by C&GS

11/9/56 mk *✓*

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CLOUDS REST (324 EM)

Mariposa County

Calif. (454)

C. F. Urquhart, 1905
D. R. Steele, 1952
L. B. Mansfield, 1956

1927 N.A.D. (Prelim.)

Books A 244-247; PH 207-208; PH 469-470

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Described in Bulletin 310, p. 136.

Note by D.R.S., 1952: Located about 11.0 mi. SW. of Tuolumne Meadows R.S., 5.5 mi. E. of Yosemite; on highest point of Clouds Rest.

To reach from Tuolumne Meadows R.S., drive W. on State Highway 120 (Tioga Rd.) to Forsyth Trail at W. end of Tanaya Lake and end of rd. Pack S. on Forsyth Trail for 4.6 mi. to Clouds Rest Trail; turn right W. on Clouds Rest Trail for 2.5 mi. to highest point and station. (A 3-hr. pack).

Station mark: Lead bolt, stamped "VA BM 9929", cemented in drill hole in large granite boulder.

Note by L.B.M., 1956: Station was found as described by D. R. Steele with the exception that station mark stamping is very dim.

Station mark: Lead plug in drill hole stamped "324 EM" (Stamping very poor.) (Previously reported as stamped "VA BM 9929")

Reference mark No. 1: Standard reference mark tablet stamped "NO 1 1956" cemented in drill hole in top of solid granite, 18.45 ft. from station mark in azimuth 82°07'.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2 1956" cemented in drill hole in top of solid granite, 19.18 ft. from station mark in azimuth 210°56'

Signal: White flag over red X-tgts. set in tripod centered over station mark.

Signal data:	Top white flag	11.1 ft.
	Bottom white flag	8.1
	Top red X-tgt.	7.1
	Bottom red X-tgt.	4.9
	Top cloth on tripod	4.2

Image point No. 1: Small bush on top, 41 ft. from station mark and 5 ft. lower in azimuth 190°48'.

Photo No. 1-62 GS VJS Dup

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CALIFORNIA ZONE 3

X=2,292;455.0

V.A. elevation 9926.3 ft.(1952)

Y= 463,226.2

Latitude: 47°46'04.45"

Longitude: 119°29'17.60"

To Station	Azimuth	Back Azimuth	Feet
Flat	107°12'11."	287°06'22.	47,927
Mt. Hoffmann(C&GS)	167 56 15.	347 55 28.	29,442.

11/10/56 mlr

COLD MTN (C&GS)

Mariposa County

Calif. (454)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

FILE COPY

Books: PH 469-470

U. S. Coast and Geodetic Survey description not received
as yet.

CALIFORNIA ZONE 3

X=2,311;340.3

Y= 523,520.6

**V.A. elevation 9910.0 ft.(USGS,
1956)

*Latitude: 37°55'58.45"

*Longitude: 119°25'13.75"

*=C&GS Field values

**=Computed from USGS AND C&GS data

11/9/56 mk $\sqrt{\quad}$

FILE COPY

CONDON (C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956
USGS, 1956 (Not occupied)

1927 N.A.D.

FILE COPY

Books: PH 469-470

Description by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located about 28 mi. NE. of Groveland, 5 mi. ENE. of Miguel Meadows; 3 mi. NE. of the Hetch Hetchy Dam and it is on the highest rocky point in the vicinity.

"To reach from the Post Office in Groveland, go E. on Highway 120 for 14.3 mi. to the Cliff House and the South Fork of the Tuolumne River; continue for 0.5 mi. to a fork; take left fork and go 5.3 mi. to a fork; take left fork and go 3.0 mi. to the bridge below the Early Intake Dam; continue on main traveled rd. for 11.1 mi. to a T-rd. left and sign "CAMP 45 & WOODS RIDGE 3.0 MILE"; continue straight ahead for 2.0 mi. to a fork; take right fork down hill for 0.7 mi. to a fork; take left fork and go 0.55 mi. to a fork; take right fork and go 0.35 mi. to a fork; take left fork and go 0.65 mi. to the top and E. side of the Cherry Valley Dam. Here turn around and go back 0.1 mi. to a fork; take left fork and go 4.5 mi. to the Lake Eleanor Dam; continue across dam and around W. side of lake Eleanor following the main traveled truck trail for 3.9 mi. to the Miguel Meadows Ranger Station and flag pole; continue straight ahead for 0.2 mi. to a dim fork; take left fork (This is the old rd. to Hetch Hetchy Dam) and follow the main traveled truck trail for 3.1 mi. to a triangle blazed tree on the right and where the rd. drops off sharp to the valley; this is the end of truck travel. From here pack up steep hill due S. for about 30 minutes to the highest point and large sugar pine tree with two triangle blazed on it and station mark about 20 ft. W. of tree.

"The station mark is on the top of a large boulder and about 20 ft. higher than the ground surface; 20 ft. W. of the 2 triangle blazes on a sugar pine tree. It is a standard disk and stamped "CONDON 1956" and it is set flush with the surface of the boulder.

"Reference mark No. 1: About 2 ft. lower than the station mark and in the N. edge of the same boulder as the station. It is a standard disk set in a drill hole in boulder and it is stamped "CONDON NO 1 1956" and it is flush.

"Reference mark No. 2: On the same boulder as the station mark and it is stamped "CONDON NO 2 1956" and it is set flush.

"Azimuth mark is station "ELEANOR 1956" to reach see description to station.

CALIFORNIA ZONE 3
X=2,203;117.1
Y= 532,272.0

**V.A. elevation 5710.1(USGS, 1956)

*Latitude: 37°57'35.167"

*Longitude: 119°47'43.740"

*=C&GS Field values

**=Computed from USGS AND C&GS data

11/9/56 mk *W*

FILE COPY

CRANE FLAT L.O. Tuolumne-Mariposa Counties Calif.(456)

C. N. Mortenson; 1945
S. H. Schroeder, 1956

1927 N.A.D.(Revised 1953)

Books: H 247 248; PH 469-470

Described 1953 in "SONORA AND MARIPOSA 30' QUADRANGLES"
multilith as follows:

"Located on summit of main ridge about 1 mi. W. of Crane
Flat Ranger Station, in Yosemite National Park.

"To reach from Crane Flat Ranger Station, go S. on rd.
along an abandoned RR. grade for 1.25 mi.; turn right on
rd. that leads to station.

"Station mark and signal: Center of National Park Service
lookout house."

Note by S.H.S., 1956: Located about 1.1 mi. W. of Crane
Flat Ranger Station and 13.0 mi. NW. of Yosemite Village.

To reach from Crane Flat entrance to Yosemite Park,
turn right upon entering park and follow park service signs
to Crane Flat L.O.H. and station.

Station mark and signal: Center of Park Service L.O.H.

Reference mark No. 1: Standard reference mark tablet
stamped "NO 1 1956", 52.7 ft. from station mark in azimuth 157°50'

Reference mark No. 2: Standard reference mark tablet
stamped "NO 2 1956", 41.6 ft. from station mark in azimuth
227°52'.

Signal: L.O.H.

Signal data: Top lightning rod on L.O.H. 25.1 ft.
Top L.O.H. 24.1
Eaves 19.3
Floor 10.8

Image point No. 1: 41.4 ft. from station mark in azimuth
195°02'.

Photo No. 1-21 VJS

CALIFORNIA ZONE 3

X=2,196;682.4

Y= 459,396.8

V.A. elevation 6644. (Ground)(1945)

Latitude: 37°45'35.15"

Longitude: 119°49'10.70"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log Meters</u>	<u>Miles</u>
Trumbull	23°25'16." "	203°23'42"	3.997112	5.895
Briceburg	50 24 27.	230 17 56.	4.309279	12.665
Pilot L.O.	91 51 28.	271 47 14.	4.007050	6.315
Hennes L.O.	326 54 11.	146 57 49.	4.204041	9.940

11/9/56 mk ✓

DANCE HALL

Mariposa County

Calif.(437)

S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: PH 469-470

FILE COPY

Located about 8.4 mi. WSW. of Yosemite Village and 4.0 mi. ESE. of Crane Flat Ranger Station; on the highest point of a nearly flat granite formation known as the Devil's Dance Hall, in Yosemite National Park.

To reach from Crane Flat Ranger Station at the entrance to Yosemite Park, drive along hwy. as to Tioga Pass for 3.2 mi. to rd. forks leading to Tamarack Flat; take right fork 3.1 mi. to Tamarack Flat; turn right on dim rd. and stay on N. side of small drain to end of rd. Pack in a southerly direction along granite ridge for about 1.0 mi. to a large granite area nearly void of trees. Station is on highest point of top. About 20-minute pack.

Station mark: Standard tablet stamped "DANCE HALL 1956" cemented in drill hole in granite bedrock.

Reference mark No. 1: Standard reference mark tablet stamped "NO 1 1956" cemented in bedrock, 13.39 ft. from station mark in azimuth 113°06'.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2 1956" cemented in bedrock, 28.90 ft. from station mark in azimuth 201°30'

Signal: White flag over red cloth cross target on pole centered over station mark.

Signal data:	Top white flag	11.2 ft.
	Bottom white flag	8.2
	Top red X-tgt.	6.7
	Bottom red X-tgt.	4.0

Image point No. 1: Lone tree, 312 ft. from station mark and 16.6 ft. lower in azimuth 5°47'51".

Image point No. 2: Tree, 46.0 ft. from station mark and 2.7 ft. lower in azimuth 254°06'.

Photo No. 1-130 VJS

CALIFORNIA ZONE 3

X=2,221;206.

Y= 452,152.

V.A. elevation 6835.6 ft.

Latitude: 37°44'21.65"

Longitude: 119°44'06.05"

To Station

Azimuth

Back Azimuth

Feet

Flat

226°06'57."

46°10'11."

35,410.

Sentinel Dome
(VA 8117)

277 36 39.

97 42 14.

44,274.

11/9/56 mk

FILE COPY

DEWEY (VA 7381)

Mariposa County

Calif. (437)

C. F. Urquhart, 1906
S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

FILE COPY

Books: A244-247; PH 469-470

Described in Bul. 310, p. 137.

Recovered 1956 by S.H.S.;
Located about 5.0 mi. SW. of Yosemite Village, on S.
rim of Yosemite Valley; on a sharp point of land known as
"DEWEY POINT".

Station reached by helicopter.

However, by land route the point can be reached as
follows: On the rd. to Glacier Point from Chinquapin 8.6
mi. to a trail fork on the N. side of rd. Hike N. on trail
for approximately 4 mi. to point and station.

Station mark: Standard tablet stamped "7381 10-15-1906"

Signal: Fluorescent flag on pole centered over station
mark.

Signal data: Top red fluorescent flag 3.9 ft.
Bottom of flag 1.7

Image point No. 1: Lone tree, 27.05 ft. from station
mark and 2.0 ft. lower in azimuth 359°51'.

Image point No. 2: Point of brush, 46.0 ft. from
station mark and 2.8 ft. lower in azimuth 55°03'.

Image point No. 3: Point of rock, 10.0 ft. from station
mark (no azimuth).

Photo No. 1-131 VJS

CALIFORNIA ZONE 3

X=2,245;478.
Y= 439,543.

V.A. elevation 7384.7 ft. (1956)

Latitude: 37°42'14.92"

Longitude: 119°39'05.32"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	215°34'45."	35°36'08."	16,772.
Sentinel Dome (VA 8117)	250 38 49.	70 41 19.	20,902.

11/9/56 mk *[initials]*

FILE COPY

DOUBLE (C&GS)

Tuolumne-Mariposa Counties

Calif.(455)

USC&GS, 1956
J. P. Minta, 1956

1927 N.A.D.

FILE COPY

Books: PH 469-470

Located about 12.6 mi. E. of Hetch Hetchy Dam, 10.5 mi. N. of Yosemite Valley on the S. side of the Grand Canyon of the Tuolumne; on the W. spire of Double Rock.

Reached by helicopter. (Note, to reach station 25-ft. of rope would be handy.)

Station mark: Standard C&GS disk stamped "DOUBLE 1956" cemented in bedrock.

Reference marks: Standard USC&GS disks were stamped and cemented in bedrock but angles and distances were not obtained.

Signal: Top light stand centered over station mark.

Signal data: Top of stand 4.5 ft.

Image point No. 1: Center of tree, 182 ft. from station mark and 57.5 ft. lower in azimuth $326^{\circ}26'$.

Image point No. 2: Center of tree, 232 ft. from station mark and 55.5 ft. lower in azimuth $18^{\circ}51'$.

Image point No. 3: East edge of tree, 195 ft. from station mark and about 52 ft. lower in azimuth $43^{\circ}11'$.

Photo No. 2-26

CALIFORNIA ZONE 3

X=2,267,993.5

Y= 511,091.3

V.A. elevation 9782.0 ft.(USGS,1956)

*Latitude: $37^{\circ}54'00.17''$

*Longitude: $119^{\circ}34'16.32''$

*=Field values by USC&GS

11/9/56 mk ✓

FILE COPY

DREW (USGS)(C&GS)

Tuolumne County

Calif.(456)

C. N. Mortenson, 1945
C&GS; 1956
USGS, 1956 (n)

1927 N.A.D.

FILE COPY

Books: H 247-248; PH 469-470

Described 1953 in "SONORA AND MARIPOSA 30' QUADRANGLE"
multilith.

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is 15.5 mi. SE. of Tuolumne, 15.5 mi. NE.
of Coulterville; 13 mi. ENE. of Groveland; on prominent round
brush and timber covered peak.

"To reach from the Post Office in Groveland, go E. on
State Highway 120 for 14.6 mi. to a fork; take the left fork
NW. toward Early Intake for 4.6 mi. to a gravel side rd.
left; turn left SW. and follow gravel rd. for 0.8 mi. to the
N. base of hill and end of truck travel; climb SE. up steep
hill to highest point and the station.

"Station mark, a USGS bronze disk stamped "DREW 1945"
cemented in drill hole in boulder, is 4 ft. NW. of an 18-in.
pine tree. The boulder projects 4 inches.

"Reference mark No. 1, standard disk stamped "DREW NO 1
1956" cemented in drill hole in a boulder; is on the SW.
slope of the peak; 5.5 ft. lower in elevation than the station
mark. The boulder projects 13 inches.

"Reference mark No. 2, A USGS bronze reference disk
stamped "DREW NO 2" cemented in drill hole in outcropping
bedrock, is 1 ft. lower in elevation than the station
mark. The outcrop projects 6 inches.

"Another mark, a USFS bronze disk stamped "STATION 10 VA BM
ELEV 4125 T1S R 18E SEC 10 1937" cemented in drill hole in
a boulder, is on the SW. slope of peak and 7 ft. lower in
elevation than the station mark.

"Station "SPINN" will serve as an azimuth mark for this
station. To reach the azimuth mark see detailed description to
station.

"A 15 minute pack.

CALIFORNIA ZONE 3
X=2,147,994.1
Y= 497,427.2

VA. elev. 4131 ft (USGS, 1945)
*VA elev. 4129 ft (C&GS) (1956)
Elevation (None)

*Latitude: 37°51'54.216"

*Longitude: 119°59'14.410"

*=Field Values by C&GS
(n)=Not occupied

11/9/56 mk ✓

FILE COPY

EAGLE PK (C&GS)

Mono County

Calif.(471)

USC&GS, 1956

1927 N.A.D.

S. H. Schroeder, 1956

Books: PH 469-470

FILE COPY

Note: Station is a new station put in by C&GS, 1956.

Note by S.H.S., 1956:

Station was reached by helicopter. Station may be reached by following description by J. C. O'Dea, 1953:

Located about 11 mi. SW. of Bridgeport; and 22 mi. NE. of Leeving; on highest point of Buckeye Ridge; locally known as Eagle Peak.

To reach from Bridgeport, drive NW. on U. S. Highway 395 4.0 mi. to a dirt T-rd.; turn left (W.) along dirt rd. 5.2 mi. to rd. crossing of Buckeye Creek; turn right (W.) on dim rd. 0.3 mi. crossing Eagle Creek and to trail and end of rd. Pack SW. along trail up Eagle Creek to highest point and station. About 5 mi. and $3\frac{1}{2}$ hour ride on horse back.

Station mark: Standard C&GS disk stamped "EAGLE PK 1956" cemented on sloping surface of rock outcrop.

Reference mark No. 1: Standard C&GS disk stamped "EAGLE PK NO 1 1956, 22.50 ft. from station mark in azimuth $243^{\circ}30'$.

Reference mark No. 2: Standard C&GS disk stamped "EAGLE PK NO 2 1956", 14.66 ft. from station mark in azimuth $36^{\circ}31'$.

Note: USGS station "BUCKEYE" (EAGLE) described in Bul. 310, pages 137 and 138 and Bul 440, p. 31, is same elev. as C&GS "EAGLE PK" is USGS tablet stamped "VA 11816 0" and is 38.48 ft. from station mark in azimuth $236^{\circ}46'$.

Signal: Top of lightstand.

Signal data: Top light stand 4.2 ft.

Image point No. 1: Dark rock outcropping, 107 ft. from station mark in azimuth $34^{\circ}13'$. (not good for vertical) $-21.6'$.

Photo No. 1-69 VJS

CALIFORNIA ZONE 3

X=2,314;013.3

Y= 613,519.9

**V.A. elevation 11,849.9 ft.(US GS 1956)

*Latitude: $38^{\circ}10'47.854''$

*Longitude: $119^{\circ}24'27.275''$

**Field values by C&GS

**=Computed from USGS AND C&GS data

11/9/56 mk *pw*

FILE COPY

EAGLE POINT (VA 7773) Mariposa County Calif. (437)

C. F. Urquhart, 1905 1927 N.A.D. (Prelim.)
S. H. Schroeder, 1956
Books: A244-247 ; PH 469-470

FILE COPY

Described in Bul. 310, pages 137 and 138. Station called "EAGLE"

Note by S.H.S., 1956: Old description is adequate, but correction should be made: This point is known as "EAGLE POINT", not "EAGLE PEAK".

Station mark: Standard tablet stamped "VA 7773 11-4-1905" cemented in rock.

Signal: Red fluorescent flag centered over station mark.

Signal data: Top red fluorescent flag 4.0 ft.
Bottom of flag 1.6

Photo No. 1-132 VJS

CALIFORNIA ZONE 3
X=2,256;260.
Y= 454,908.

V.A. elevation 7779.1 ft.(1956)

Latitude: 37°44'45.84" Longitude: 119°36'49.34"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Mt. Hoffmann (C&GS)	219°17'45."	39°21'34."	47,499.
Clouds Rest (VA BM 9929)	257 35 56.	77 40 33.	37,141.

11/9/56 mk

FILE COPY

ELEANOR (C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

FILE COPY

Books: PH 469-470

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located about 25 mi. airline NE. of
Coulterville; 21 mi. airline N. of Groveland and 5 mi. WNW.
of Crane Flat.

"To reach the station from the Post Office in Groveland;
go E. on State Highway 120 for 14.3 mi. to the Cliff House
and The South Fork of the Tuolumne River; continue on hwy.
for 0.5 mi. to a fork; take the left fork as per sign
"CHERRY VALLEY DAM" and go 5.3 mi. to a fork; take left fork
as per sign "EARLY INTAKE DAM" and go 3.0 mi. to a bridge
below the dam; continue on main traveled rd. for 11.1 mi.
to a T-rd. left and a sign on the right "CAMP 45 & WOODS RIDGE
3.0 MILES" continue ahead on hard surface rd. for 2.0 mi.
to a fork; take right fork downhill for 0.7 mi. to a fork;
take left fork for 0.55 mi. to a fork; take right fork and
go 0.35 mi. to a fork; take left fork and go 0.65 mi. to the
top and E. side of the Cherry Valley Dam; turn around and
go back 0.1 mi. to a fork; take left fork and go 4.5 mi. to
the Lake Eleanor Dam; continue across dam and around W. side of
lake following the main traveled truck trail for 3.2 mi. to
a blazed pine tree on the right (This is 0.7 mi. before reaching
Miguel Meadows Ranger Station) and the end of rd.

"From here pack due S. for about 100 yards to the highest
point of the ridge and where it drops off sharp to the S.
the station is about 10 ft. N. of the edge of the cliff.

"The station mark is a standard disk set in a drill hole
in a boulder and it is stamped "ELEANOR 1956" and it is set
flush with the surface.

"Reference mark No. 1: Standard disk set in a drill
hole and it is stamped "ELEANOR NO 1 1956" and it is set flush
with the surface.

Reference mark No. 2: Standard disk set in a drill
hole and it is stamped "ELEANOR NO 2 1956" and it is set
flush with the surface.

"No Azimuth mark set to station.

CALIFORNIA ZONE 3

X=2,186,693.5

Y= 532,206.6

* Elevation 5335.205 ft.(Spirit
Leveling by C&GS)

*Latitude: 37°57'35.694"

*Longitude: 119°51'08.815"

**=C&GS Field values

FILE COPY

11/9/56 mk *[Signature]*

FLAT

Mariposa County

Calif. (455)

C. F. Urquhart, 1905
S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: A244-47; PH 469-470

FILE COPY

Described in Bul. 310, page 138.

Note by S.H.S., 1956:

Located about _____ mi. NE. of Crane Flat Ranger Station
and _____ mi. NW. of Yosemite Falls, on the high point of
a flat-topped rock extending above the timber tops.

Station reached by helicopter.

Station mark: Existing USGS tablet (not stamped)
cemented in bedrock. (Old station "FLAT" Bul. 310)

Reference mark No. 1: Standard reference mark tablet
stamped "NO 1 1956" cemented in bedrock, 14.91 ft. from
station mark in azimuth 45°41'.

Reference mark No. 2: Standard reference mark tablet
stamped "NO 2 1956" cemented in bedrock, 13.21 ft. from
station mark in azimuth 165°34'.

Signal: Red flag over red X-tgts. nailed to 2 by 2 pole
centered over station mark.

Signal data:	Top red flag	10.7 ft.
	Bottom red flag	8.3
	Top red X-tgt.	6.7
	Bottom red X-tgt.	4.5

Image point No. 1: Center of tree on steep side hill,
133 ft. from station mark in azimuth 19°45'.

Image point No. 2: Center of tree, 78 ft. from station
mark and 14.4 ft. lower in azimuth 46°10'.

Photo No. 2-14

CALIFORNIA ZONE 3
X=2,246,525.
Y= 476,904.

V.A. elevation 8943.6 ft. (1956)

Latitude: 37°48'24.20"

Longitude: 119°38'48.05"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Double (C&GS)	212°39'03."	32°41'50."	40,372.
Mt. Hoffmann(C&GS)	249 39 26.	69 44 29.	42,240.

FILE COPY

11/9/56 mk *WJ*

FORSYTH (C&GS)

Tuolumne County

Calif. (472)

USC&GS, 1956
L. B. Mansfield, 1956

1927 N.A.D.

FILE COPY

Books: PH 469-470

Located about 20.5 mi. WSW. of the town of Bridgeport;
11.3 mi. W. of W. end of Twin Lakes (Mono Co.) on a
prominent peak known as "Forsyth Pk."

Station was reached by helicopter.

Station mark: Drill steel driven in ground with C&GS
light stand centered over it. (C&GS are still occupying this
station and no marks were found.)

Signal: White flag over red X-tgts. set in light stand.

Signal data:	Top white flag	11.0 ft.
	Bottom white flag	8.0
	Top red X-tgt.	8.0
	Bottom red X-tgt.	5.0
	Light stand	4.9

Image point No. 1: Lone bunch of brush at W. end,
125.5 ft. from station mark and 68.8 ft. lower in azimuth
110°32'.

Image point No. 2: Point of rocks, 105 ft. from
station mark in azimuth 154°08'

Photo No. 2-32 GS VJM

CALIFORNIA ZONE 3

X=2,264,618.9

Y= 604,840.2

**V.A. elevation 11,179.5 ft.(USGS
1956)

*Latitude: 38°09'27.301"

*Longitude: 119°34'46.919"

*=Values by C&GS (field)

**=COMPUTED from USGS AND C&GS data

11/9/56 mk ✓

FILE COPY

GLACIER POINT (VA 7214) Mariposa County Calif. (437)

C. F. Urquhart, 1905
S. H. Schroeder, 1956 1927 N.A.D. (Prelim.)

Books: A244-247; PH 469-470

FILE COPY

Described in Bul. 310, pages 139 and 140.

Recovered by S.H.S., 1956: Located on the S. rim of Yosemite Valley at Glacier Point.

To reach from Pohono Bridge in Yosemite Valley, follow rd. toward S. entrance of park to Chinquapin Junction; take rd. left for 16 mi. and Glacier Point. Walk to view point and station which is near E. end of guard rail and directly beneath the horizontal guard rails.

Station mark: Standard tablet stamped "VA 7214 7-11-1905"

Signal: Red fluorescent flag on pole centered over station mark.

Signal data: Top red fluorescent flag 7.9 ft.
Bottom 5.7

Image point No. 1: 65 ft. from station mark and 8.2 ft. higher in azimuth 68°02'.

Photo No. 1-133 VJS

CALIFORNIA ZONE 3
X=2,268;204.
Y= 449,448.

V.A. elevation 7214.4 ft. (1956)

Latitude: 37°43'50.72" Longitude: 119°34'21.31"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	115°07'54."	295°06'23."	13,133.
Clouds Rest (VA BM 9929)	240 57 55.	61 01 01.	27,893.

11/9/56 mk. *[initials]*

FILE COPY

GRANITE

Tuolumne County

Calif. (472)

L. B. Mansfield, 1956

1927 N.A.D. (Prelim.)

Books: PH 469-470

FILE COPY

Located about 14.0 mi. ENE. of Strawberry and 3 mi. S. of the S. end of Relief Reservoir; on a large granite top known as "GRANITE DOME". Station is on the W. side of highest point of top and is centered under an old USGS cairn.

Station was reached by helicopter, can be reached by trail from Relief Reservoir by way of Lower Relief Valley and through Upper Relief Valley and approach the top from the W.

Station mark: Standard tablet stamped "GRANITE 1956" cemented in drill hole in top of solid granite.

Reference mark No. 1: Standard reference mark tablet stamped "NO 1 1956" cemented in drill hole in top of solid granite, 8.70 ft. from station mark in azimuth 154°52'.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2 1956" cemented in drill hole in top of solid granite, 19.67 ft. from station mark in azimuth 258°28'.

Signal: White flag over fluorescent panel centered over station mark.

Signal data:	Top white flag	12.0 ft.
	Bottom white flag	9.0
	Top fluorescent panel	8.1
	Bottom fluorescent panel	5.8

Image point No. 1: Center of lone patch brush, 13.0 ft. from station mark and 5.0 ft. lower in azimuth 342°00'.

Image point No. 2: Center of pin-pricked brush, 48 ft. from station mark in white area at W. edge brush is 7.8 ft. lower than station mark, in azimuth 224°07'.

Photo No. 1-158

CALIFORNIA ZONE 3

X=2,216,893.

V.A. elevation 10,322.0 ft.

Y= 625,471.

Latitude: 38°12'55.47"

Longitude: 119°44'42.34"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Gillett (C&GS)	20°06'48."	200°05'03."	39,353.
Forsyth(C&GS)	293 50 21.	113 56 29.	51,996.

11/9/56 mk ✓

FILE COPY

HANSEN (C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

FILE COPY

Books: PH 469-470

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located on a small hill that is mostly cleared on the southern slope. It is about 16 mi. E. of Tuolumne 17 mi. ENE. of Groveland; 21 mi. NE. of Coulterville and 8.5 mi. NW. of O'Shaughnessy Dam.

"To reach from the Post Office at Groveland, go E. on State Highway 120 for 14.1 mi. to fork; take left fork as per sign "CHERRY VALLEY" and go 5.1 mi. to fork; take left fork as per sign "CHERRY VALLEY" and go 14.4 mi. to where power line crosses rd.; power line pole on left is numbered 58. From this pole pack westerly through woods to top of hill and station as described below.

"Station mark is set in 2 by 3 ft. boulder on the summit of hill. Station mark and two small pines make a 3 ft. equalateral triangle. The disk is stamped "HANSEN 1956" and the boulder projects about 3 inches.

"Reference mark No. 1: Set in a 3 by 4 ft. boulder projecting 8 inches at the western edge of the hill. The disk is stamped "HANSEN NO 1 1956".

"Reference mark No. 2: Set in 3 by 4 ft. boulder projecting 2 inches. It is at the northern edge of the hill. The disk is stamped "HANSEN NO 2 1956".

"The azimuth mark is set on the W. side of the rd. at the center of a shallow curve that is 2.6 mi. S. of power pole No. 58. It is about 10 ft. lower than the rd.; 12 ft. N. of a pine tree with a triangle blaze and 32 ft. W. of the center of the rd. The disk is stamped "HANSEN 1956".

"Another mark, a H.H.W.S. triangulation mark was cut in. It is the NE. centerline monument set at the NE. end of the Cherry Dam; about 4 ft. above the top of the dam and 6 ft. below 4720 that is painted on the bedrock.

CALIFORNIA ZONE 3

X=2,161;090.7

Elevation (none)

Y= 525,376.2

*Latitude: 37°56'29.796"

*Longitude: 119°56'29.010"

*=C&GS Field values

FILE COPY

11/9/56 mk *VJ*

HENNESS RIDGE L.O.H. Mariposa County Calif. (437)

C. N. Mortenson; 1945
S. H. Schroeder, 1956

1927 N.A.D. (Revised 1953)

Books: H247-248; PH 469-470

FILE COPY

Described 1947, revised 1953 "SONORA AND MARIPOSA 30' QUADRANGLES" multilith as follows:

"Located on Henness Ridge, about 2 mi. S. and 4 mi. E. from El Portal.

"To reach from Mariposa, take State Highway 140 into Yosemite Park, near lower end of Yosemite Valley; turn right onto Wawona Road and go to Chinquapin Ranger Station; go 0.5 mi. past Ranger station and turn right onto rd. to Henness Ridge Lookout; go 1.7 mi. to lookout and station.

"Station mark and signal: Center of National Park Service Lookout house.

"Reference mark No. 1: Standard reference mark tablet stamped "HENNESS NO 1 1945", cemented in large granite rock, 47.86 ft. from station mark in azimuth 5°44'.

"Reference mark No. 2: Standard reference mark tablet stamped "HENNESS NO 2 1945", cemented in large granite boulder, 65.9 ft. from station mark in azimuth 223°02'."

Note by S.H.S., 1956: Station found as described with noted exceptions:

The reference marks are stamped "HENNESS RIDGE NO 1 1945", "HENNESS RIDGE NO 2 1945" (Both marks in good condition).

Station mark. and signal: Center of L.O.H.

Signal data: Top L.O.H. 33.2 ft.
Top eaves 28.2
Floor of L.O. 18.7

Image point No. 1: Oak tree, 55.2 ft. from station mark and 5.4 ft. lower in azimuth 17°21'.

Image point No. 2: Cedar tree, 57.6 ft. from station mark in azimuth 221°05'.

Photo No. 2-87 VJS

CALIFORNIA ZONE 3
X=2,225,658.7
Y= 415,640.8

V.A. elevation 6340.5 ft.(ground)
(1956)

FILE COPY

Latitude: 37°38'20.307"

Longitude: 119°43'14.410"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log Meters</u>	<u>Miles</u>
Signal Peak L.O.	7°48'35.12"	187°47'53.65"	4.0893933	7.634
Buckingham	43 20 14.34	223 15 13.93	4.2461027	10.951
Trumbull	110 38 36.36	290 33 24.65	4.1257720	8.301
(n)Crane Flat L.O.	146 57 49.	326 54 11.	4.204041	9.940

(n)=Not occupied

11/9/56 mk ✓

HETCH (C&GS)

Tuolumne County

Calif. (456)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

Books: PH 469-470

FILE COPY

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is on the S. side of the main rd. between Mather and Hetch Hetchy Dam; 6 paces N. of the centerline of the rd.; 27 ft. NE. of a conical shaped rock on the N. side of the rd. and 28 ft. NW. of a culvert headwall on the S. side of the rd.

"Best reached from Groveland as follows: From the Post Office go E. on Highway 120 for 15.5 mi.; take left fork as per sign "CHERRY VALLEY PROJECT" and go 5.4 mi.; take right fork as per sign "HETCH HETCHY DAM 18" and go 7.1 mi. to Mather; keep straight ahead on main rd. towards Hetch Hetchy Dam for 5.4 mi. to a conical shaped rock projecting about 8 ft. on the N. side of the rd. and the station.

"The station mark is a standard station mark disk stamped "HETCH 1956" set in a drill hole in outcropping bedrock.

"Reference mark No. 1: Standard reference mark disk stamped "HETCH NO 1 1956" set in a stone headwall in a culvert on the S. side of the rd.

"Reference mark No. 2: Standard reference mark disk stamped "HETCH NO 2 1956" set in drill hole in outcropping bed rock projecting about 1 ft. and is on the N. side of the rd.

No Azimuth mark was set, either Poopanaut, North Mtn., or Condon can be used as the azimuth mark.

CALIFORNIA ZONE 3

X=2,199,674.4

Elevation (none)

Y= 516,164.2

*Latitude: 37°54'56.173"

*Longitude: 119°48'28.214"

*=Vield Values by USC&GS

11/9/56 mk *[initials]*

FILE COPY

JAWBONE (C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

Books: PH 469-470

FILE COPY

Described by U. S. Coast and Geodetic Survey in
1956 Reconnaissance Notes as follows:

"The station is located about 14.5 mi. ENE. of Groveland; 6.5 mi. NNE. of the Cliff House; 4 mi. NW. of the Early Intake Dam; and about 1 mi. W. of the Cherry Valley Dam Road.

"To reach from the Post Office in Groveland, go E. on State Highway 120 for 14.3 mi. to the Cliff House and The South Fork of the Tuolumne River; continue on hwy. 120 for 0.5 mi. to a fork; take left fork as per sign "CHERRY VALLEY DAM" for 5.3 mi. to a fork; take left fork as per sign "EARLY INTAKE DAM 3.0 MILES" and go 3.0 mi. to the bridge just below Early Intake Dam; continue on main traveled rd. for 5.9 mi. to a T-rd. left; turn left then sharp left and go 0.6 mi. to a T-rd. and a sign "CAMP NIAGARA"; turn left and follow main traveled rd. for 0.5 mi. to a triangle blaze on a pine tree on the left. This is about 150 ft. beyond a Forest Service Location Poster T 1N, R.18E., Sect. 27. This is the end of truck travel, from here pack westerly up steep slope for about 20 minutes to a small N.-S. ridge or saddle, bear right to the N. end of this saddle and station site where the ridge drops off sharp to the N.

"The station is located in a clearing of large pine trees overlooking the valley to the N. and a higher point of the ridge to the W.; 20.5 ft. SE. of a triangle blazed oak tree; and 31 ft. SW. of a 24-in. triangle blazed pine tree. It is a standard disk set in a drill hole in ledge rock and it is stamped "JAWBONE 1956" and projects 6 inches.

"Reference mark No. 1: On the same elevation as the station. It is a standard disk set in a drill hole in an outcropping bedrock stamped "JAWBONE NO 1 1956" and it projects about 3 inches.

"Reference mark No. 2: On the same elevation as the station. It is a standard disk set in a drill hole in outcropping bedrock and it is stamped "JAWBONE NO 1 1956" and projects 6 inches.

"Azimuth mark use station "JAWBONE 1956" to reach see description.

CALIFORNIA ZONE 3

X=2,149,490.0

Elevation (none)

Y= 514,817.8

*Latitude: 37°54'46.080"

*Longitude: 119°58'54.555"

**Field Values by C&GS

11/9/56 mkl

FILE COPY

JONES PT (C&GS)

Tuolumne County

California(456)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

Books: PH 469-470

FILE COPY

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located on the N. end of the ridge near Jones Point L.O. It is about 15.5 mi. ESE. of Tuolumne; 14 mi. ENE. of Groveland; 16.5 mi. NE. of Coulterville and 11.5 mi. SW. of O'Shaughnessy Dam.

"To reach from Post office at Groveland, go E. on State Highway 120 for 14.1 mi. to Y-fork; take left fork as per sign "CHERRY VALLEY"; go 4.7 mi. to side rd. left as per sign "JONES POINT L O", go left 0.45 mi. to Jones Point L.O. and station as described below.

"The station mark is 13.6 ft. NE. of a small oak tree, about 12 ft. above the ground level at L.O. and about 127 ft. S. of the center of Jones Point L.O. The disk is stamped "JONES PT 1956".

"Reference mark No. 1: Is in boulder about 3 by 4 ft. that projects 2 inches. It is 6 ft. W. of small cedar tree. The disk is stamped "JONES PT NO 1 1956".

"Reference mark No. 2: Is in boulder that projects 2 ft. It is 22 ft. NNW. of a small oak tree. The disk is stamped "JONES PT NO 2 1956".

"Another mark, a USFS BM was cut in. It is set in a drill hole in a large boulder that projects 4 ft. It is 1.5 ft. S. of the S. side of the walk around the L.O. The mark is stamped "V.A. B.M. ELEV 3678 JONES POINT LOOKOUT T 1 S, R. 18 E. SEC. 10."

"Duckwall L.O. may be used as an Azimuth mark.

CALIFORNIA ZONE 3

X=2,151;475.7

Y= 501,377.8

*Elevation 3697.875 ft.(Spirit
Leveling by C&GS)

*Latitude: 37°52'33.084"

*Longitude: 119°58'30.717"

*=Field values by C&GS

11/9/56 mk ✓

FILE COPY

JUNE (C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

Books: PH 469-470

FILE COPY

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is on the S. side of the main rd. between
"OAKLAND TUOLUMNE CAMP AND MATHER, on a small rocky hump
that projects about 15 ft., 3 meters S. of the cut bank on
the S. side of the rd., 10 meters W. of the highest point of
the hump and 3.8 meters NE. of a triangle blaze on a 12-in.
pine.

"Best reached from Groveland as follows: From the
Post Office go E. on Highway 120 for 15.5 mi.; take left
fork as per sign "CHERRY VALLEY PROJECT" and go 5.4 mi.;
take right fork as per sign "Hetch Hetchy Dam 18" and go
5.7 mi. to a small rocky hump on the S. side of the rd. and
the station.

"The station mark is a standard station mark disk stamped
"JUNE 1956" set in a large boulder.

"Reference mark No. 1: Is a standard reference mark
disk cemented in drill hole in large boulder stamped
"JUNE NO 1 1956".

"Reference mark No. 2: Is a standard reference mark
disk cemented in a drill hole in a large boulder stamped
"JUNE NO 2 1956"

"No azimuth mark was set at this station,
Poopanaut will serve as the azimuth mark.

CALIFORNIA ZONE 3

X=2,176;740.1

Y= 501,600.2

*Elev. 4264.228 ft. (Spirit
Leveling by C&GS)

*Latitude: 37°52'33.765"

*Longitude: 119°53'15.597"

**Field values by C&GS

11/9/56 mk *V.P. 15*

FILE COPY

MOUNT DANA (C&GS)

Mono County

Calif. (453)

USC&GS, 1934; 1941

1927 N.A.D.

D. R. Steele, 1952

S. H. Schroeder, 1956 (not occupied)

FILE COPY

Books: PH 207-208; PH 469-470

Described by U. S. Coast and Geodetic Survey in description list No. 393, pages 2 and 8.

Recovered by D.R.S., 1952: Station found as described. All marks in good condition.

Note: Not occupied by USGS in 1956.

CALIFORNIA ZONE 3

*X=2,369;292.20

V.A. elevation 13,056.5 ft.(1956)

*Y= 512,258.17

*Latitude: 37°53'59.888" *Longitude: 119°13'12.381"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Donohue Pk.	3°20'51.96"	183°20'31.64"	45,550.20
Lyell No. 2	14 01 45.81	193 59 54.36	60,228.97
Red 2	31 20 46.85	211 12 51.45	104,832.75
Clouds Rest(VA BM 9929)	58 15 09.59	238 05 17.47	91,152.69
*Mt. Conness(C&GS)	130 15 48.68	310 12 06.94	37,853.6
Mt. Warren	178 46 51.11	358 46 45.76	32,763.50
Lake	251 09 05.13	71 15 21.49	51,834.39
*Williams Butte(LAWD) (C&GS)	257 07 03.55	77 10 57.96	31,362.6
Mono(LAWD)(C&GS)	277 16 14.11	97 24 07.15	62,259.39
*Mount Downs(C&GS)	312 05 42.46	132 11 45.24	63,981.6
San Joaquin	333 11 47.46	153 16 01.28	73,777.55

*=Values by USC&GS

11/9/56 mk ✓

FILE COPY

MT. CONNESS (C&GS) Mono-Tuolumne Counties Calif.(454)

USC&GS, 1879, 1890, 1934, 1941

1927 N.A.D.

C. F. Urquhart, 1904-05

A. H. Sylvester, 1905

D. R. Steele, 1952

J. C. O'Dea, 1953

USGS, 1956 (not occupied)

Books: A218-247; A677-79; PH 207-08; PH 269-270; PH 469-470

FILE COPY

Described in Bul. 181, pages 208-209 and Bul. 310, p. 172.

Described by U. S. Coast and Geodetic Survey in Special Publication 202 and description list 736, p. 31.

Described in Bul. 310, page 172 as follows:

"A primary station of the C&GS, 10 mi. N. of Soda Springs. In shape an irregular parallelogram of granite, from NW. portion of which rises top of peak, with precipitous side of 1,000 ft. or more. It can be ascended from Soda Springs in four hours by trail made by the C&GS. Grass and water can be found within 1 mi. of summit.

"Station mark: Concrete pier, with 5/8-in. copper bolt in center."

Recovered by D.R. Steele, 1952: Station found as described. Original station mark, however, the concrete pier was almost destroyed, but the mark was still solid and in place. Reference mark No. 1 and 3 were found. Reference mark No. 2 and other concrete piers described in Special Publications 202, page 293 were not found.

Recovered by J. C. O'Dea, 1953: Found as described by C&GS in Special Publication 202, pages 293 and 294 and all marks found in good condition. Pier was badly chipped, but the 5/8" copper bolt with cross remains in good shape. Reference mark 3 is standard C&GS tablet and is set in pier as described and is at bottom of saddle about 400 ft. below station.

Station should be reached by driving about 2 mi. past Saddlebag Lake and walking SW. to highest peak and station. Station is on highest lone square-topped mtn. and is 1.6 ft. above highest ground at station.

Station mark: Cross in copper bolt in pier.

Signal: White flag over red over white X-tgts. on pole centered over station mark.

Signal data:	Top flag	14.2 ft.
	Bottom flag	12.5
	Top red X-tgt.	11.1
	Bottom red X-tgt.	8.0
	Top white X-tgt.	8.0
	Bottom white X-tgt.	5.1

Station is 0.8 ft. below top of pier and 1.6 ft. above average ground.

Note: Intersected by USGS, 1956.

CALIFORNIA ZONE 3

X=2,340,081.3

V.A. elevation 12,590.2(USGS,1952)

Y= 536,318.2

*Latitude: 37°58'01.537"

*Longitude: 119°19'13.018"

*=C&GS Field Values

11/9/56 mk ✓

FILE COPY

MT HOFFMANN (C&GS) Mariposa County Calif.(455)

USC&GS, 1956 1927 N.A.D.
L. B. Mansfield, 1956

Books: PH 469-470

FILE COPY

Note: Station was built by C&GS in 1956 and no description available at this time.

Note by L.B.M., 1956: Located about 5 mi. ENE. of Yosemite Cr. Ranger Station and 1.5 mi. due N. of Tioga Pass Road and 1 mi. W. of May Lake; on a prominent Peak known as "MT. HOFFMANN".

Station was reached by helicopter. (May be reached by trail from the S.)

No measurements were taken of reference marks.

Station mark: Standard C&GS disk stamped "MT HOFFMANN 1956"

Reference mark No. 1: Standard reference mark disk stamped "MT HOFFMANN NO 1 1956"

Reference mark No. 2: Standard C&GS reference mark tablet "MT HOFFMAN NO 2 1956".

Signal: Red flag in top of light stand.

Signal data:	Top red flag	7.7 ft.
	Bottom red flag	4.7
	Top light stand	4.7

Image point No. 1: Lone bush on ridge line to S., 139 ft. from station mark and 29.6 ft. lower in azimuth 10°24'.

Image point No. 2: Lone brush W. of ridge line to S., 114 ft. from station mark and 36.3 ft. lower in azimuth 21°04'

Photo No. 1-60 GS-VJS

CALIFORNIA ZONE 3
X=2,285,991.7
Y= 491,948.1

V.A. elevation 10,849.7 ft.(USGS 1956)

*Latitude: 37°50'49.090" *Longitude: 119°30'34.305"

*=Field values by C&GS

11/9/56 mk

FILE COPY

NORTH MTN.(C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

FILE COPY

Books: PH 469-470

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located near the North Mtn. L.O. on the highest point in this vicinity. It is about 19 mi. ESE. of Tuolumne; 28.5 mi. ENE. of Groveland; 21 mi. NE. of Coulterville and 6.5 mi. SW. of O'Shaughnessy Dam.

"To reach from the Post Office at Groveland, go E. on State Highway 120 for 14.1 mi. to fork; take left fork as per sign "CHERRY VALLEY" and go 5.1 mi. to fork; take left fork as per sign "CHERRY VALLEY" and go 20 mi. to the NE. end of Cherry Dam; turn around and go 0.1 mi. to fork; take left fork and pass through chain gate and go 0.1 mi. to fork; take left fork and go 4.5 mi. to Eleanor Dam and Azimuth Mark described below, continue for 3.9 mi. to Miguel Meadow Ranger Station; take right fork and go 7.1 mi. to summit of North Mtn. and station as described below.

"The station mark is about 4 ft. below the highest point of mtn., 24 ft. W. of a small cedar; 96.6 ft. E. of the center of North Mtn. L.O. and about 12 ft. S. of the N. edge of the mtn. The boulder projects 6 inches and the disk is stamped "NORTH MTN 1956"

"Reference mark No. 1: Is about 3 ft. lower than the highest point of the mtn.; at the southern edge of the mtn. and 4 ft. N. of a lone bush. The disk is stamped "NORTH MTN. NO 1 1956".

"Reference mark No. 2: Is 22 ft. N.NW. of the NW. corner of the L.O., 22 ft. NNW. of the flag pole and 2 ft. S. of the N. edge of the mtn. The disk is stamped "NORTH MTN NO 2 1956".

"The azimuth mark is a standard disk set in a drill hole on the sixth pier from the W. end of Eleanor Dam and 1 ft. N. of the S. end of this pier. The disk is stamped "NORTH MTN 1956".

CALIFORNIA ZONE 3

X=2,174;368.2

Y= 511,289.3

**V.A. elevation 5753.8 ft.(USGS,
1956)

*Latitude: 37°54'09.71"

*Longitude: 119°53'44.40"

**Computed from USGS AND C&GS data.

**Field values by C&GS

FILE COPY

11/9/56 mk ✓

PILOT LOOKOUT

Tuolumne-Mariposa Counties Calif. (456)

C. N. Mortenson; 1945

1927 N.A.D. (Revised 1953)

S. H. Schroeder, 1956

Books: H 247-248; PH 469-470

FILE COPY

Described 1953 in "SONORA & MARIPOSA 30' QUADRANGLES" multilith as follows:

"Located on highest point of Pilot Peak. This is a prominent peak about 15 mi. E. and N. of town of Coulterville.

"To reach from Mariposa, take Yosemite all-year hwy. to Briceburg on Merced River; cross river and take second-class rd. up Briceburg grade and on N. through Kingsley Guard Station to old Coulterville Road, go E. to top of high ridge and rd. forks known as "THE MAIL BOX", take rd. marked "PILOT PEAK" W. for 1.5 mi. to peak and station.

"To reach from Groveland, drive E. on Oak Flat-Yosemite Road to point about 1 mi. E. of Berkeley Camp; turn right (SE.) to old Coulterville Road W. to rd. forks at "THE MAIL BOX" described above.

"Station mark and signal: Center of U. S. Forest Service lookout house.

"Reference mark No. 1: Standard reference mark tablet stamped "PILOT NO 1 1945" set in bedrock, 38.45 ft. from station mark in azimuth 38°38'.

"Reference mark No. 2: Standard reference mark tablet stamped "PILOT NO 2 1945", set in bedrock, 25.64 ft. from station mark in azimuth 134°40'."

Note by S.H.S., 1956: Station found as described. Pilot Peak L.O. is 53.63 ft. from C&GS station "PILOT PEAK 1956" in azimuth 167°32'.

Signal: Center of U. S. Forest Service L.O.H.

Signal data: Apex of L.O. 28.3 ft.
Eaves 23.4
Upper floor 15.2
Lower floor 3.8

CALIFORNIA ZONE 3

X=2,163;350.2

Elevation 6,008.2 ft. (1956) (ground)

Y= 460,235.0

Latitude: 37°45'45.630"

Longitude: 119°56'05.714"

To Station	Azimuth	Back Azimuth	Log Meters	Miles
Briceburg	22°32'45.02"	202°30'27.00"	4.1592672	8.966
Fremont	28 41 28.92	208 36 21.61	4.4101879	15.978
(n) Montgomery Tree	64 16 02.	244 14 32.	3.605685	2.506
Penon Blanco	83 19 49.30	263 07 52.08	4.4606647	17.948
Coulterville	83 36 28.96	263 28 25.04	4.2894249	12.100
Groveland	105 30 48.65	285 20 24.21	4.4126689	16.070
(n) Smith Peak L.O.	106 16 56.	286 10 52.	4.179631	9.397
Duckwall	144 46 55.49	324 40 09.22	4.4474066	17.408
(n) Thompson Peak LO	156 00 33	335 55 39.	4.458622	17.864
Drew	157 54 31.83	337 52 36.14	4.0886399	7.621
(n) Woods Ridge LO	172 25 51	352 24 38.	4.342401	13.670
(n) Crane Flat LO	271 47 14	91 51 28.	4.007050	6.315
(n) Pinoche Peak	315 04 23	135 10 16.	4.301882	12.452
(n) Trumbull	324 40 07.59	144 42 47.37	4.0439306	6.875
(n)=Not occupied				

FILE COPY

PILOT PEAK (C&GS) Tuolumne-Mariposa Counties Calif. (456)

USC&GS, 1956

1927 N.A.D.

S. H. Schroeder, 1956

Books: PH 469-470

FILE COPY

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located 17.5 mi. SE. of Groveland;
14.5 mi. ENE. of Coulterville, and 3 mi. S. of State Highway
120; on the summit of Pilot Peak.

"Station mark, a standard disk stamped "PILOT PK 1956"
cemented in a drill hole in a boulder, is 45.0 ft. N. of the
lookout house; 27.7 ft. NE. of the NE. corner of garage;
and 6.0 ft. S. of the N. edge of earth fill. The boulder
projects 6 inches.

"Reference mark No. 1: Standard disk stamped "PILOT PK
NO 1 1956" cemented in a drill hole in a boulder, is 47.2
ft. E. of the NE. corner of garage; 40.2 ft. N. of the N.
edge of lookout house; and about the same elevation as the
station. The boulder projects 3 inches.

"Reference mark No. 2: A U. S. Geological Survey bronze
reference disk cemented in a drill hole in a boulder, is
stamped "PILOT NO 2 1945" It is 27.1 ft. SE. of the
SE. corner of garage; 15.6 ft. NW. of the NW. corner of
lookout house; 8 ft. SW. of a tree; on the S. edge of steps
leading to the lookout house. It is 2 ft. higher in elevation
than the station mark.

"Azimuth mark, standard disk stamped "PILOT PK 1956"
cemented in a drill hole in a boulder, is on a rocky knoll
100 ft. ESE. of rd. leading to the station, 30 ft. SW. of
summit of knoll; and 1.5 ft. S. of a small cairn. The boulder
projects 8 inches.

"To reach from the post office in Groveland, go E. on
State Highway 120 for 10.7 mi. to Buck Meadows Lodge, take
a graveled rd. right, S., then SE. for 5.8 mi. to a T-inter-
section, turn left, E., and go 0.5 mi. to a fork, take the
left fork, E., along the N. side of a creek and follow the
main traveled rd. for 10.0 mi. to a fork at an old fire
guard station, take the left fork, W., uphill as per sign
"PILOT PEAK L.O.1.4" and go 1.25 mi. to the azimuth
mark on the left, continue uphill for 0.15 mi. to lookout
house and station."

Note by S.H.S., 1956: Station marks and reference marks
found as described in preliminary field notes of USC&GS.

FILE COPY

USC&GS, 1956

1927 N.A.D.

S. H. Schroeder, 1956

Books: PH 469-470

CONTINUED FROM PAGE 1

FILE COPY

Reference mark No. 1: A USC&GS disk stamped "PILOT PEAK NO 1 1956" 21.16 ft. from station mark in azimuth 280°22'

Reference mark No. 1: A USGS tablet stamped "PILOT NO 1 1945", 8.124 ft. from station mark in azimuth 4°59'.

Reference mark No. 2: A USGS tablet stamped "PILOT NO 2 1945" 32.92 ft. from station mark in azimuth 2°19'.

Signal: Red flag in light stand centered over station mark.

Signal data: Top red flag 6.7 ft.
Top light stand 4.6

Ecc. Signal: Pilot Peak Lookout house, 53.63 ft. from station mark in azimuth 341°32'.

Ecc. Signal data: Lookout house (above station mark)
Apex 28.3 ft.
Eaves 23.4
Upper floor 15.2
Lower floor 3.8

Image point No. 1: 85 ft. from station mark and 13.9 ft. lower in azimuth 253°45'.

Image point No. 2: 28 ft. from station mark and 1.9 ft. lower in azimuth 347°07'.

Photo No. 1-5 VJS

CALIFORNIA ZONE 3

X=2,163;334.8
Y= 460,287.6

**V.A. elevation 6004.4 ft.(USGS,1956)

*Latitude: 37°45'46.151"

*Longitude: 119°56'05.902"

**Field values by C&GS

***Computed from USGS and C&GS data.

11/9/56 mk ✓

FILE COPY

POOPANAUT (C&GS)

Tuolumne County

Calif.(456)

USC&GS, 1956

USGS, 1956 (Not occupied)

1927 N.A.D.

Books: PH 469-470

FILE COPY

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located on a high prominent bald rock point; highest in the vicinity of the Tuolumne River and N. of the Mather-Hetch Hetchy Road. About 22 mi. airline ESE. of Tuolumne; 23 miles airline NE. of Coulterville; 21 mi. airline ENE. of Groveland; 4 mi. airline SW. of O'Shaughnessy Dam; 1 mi. airline NNE. of Mather; and .25 mi. NW. of the Mather-Hetch Hetchy Road.

"To reach from Groveland, go E. on State Highway No. 120 for 14.3 mi. to the Cliff House and South Fork of the Tuolumne River; continue on hwy. for 0.5 mi. to a fork; take left fork as per sign "CHERRY VALLEY DAM" for 5.3 mi. to a fork; take right fork as per sign Mather and go 7.4 mi. to Camp Mather and a stop sign; continue straight ahead on hard surface rd. for 2.6 mi. to the Azimuth Mark on the right. (This is just N. of a sharp switch back before reaching a 5,000 ft. Elevation sign.)

"From here pack NW. for about 0.25 mi. to top of rocky hill and station.

"The station mark is a standard disk set in a drill hole and it is stamped "POOPANAUT 1956".

"Reference mark No. 1: Is a standard disk set in a drill hole and it is stamped "POOPANAUT NO 1 1956" and it is about the same elevation as the station mark.

"Reference mark No. 2: Is a standard disk set in a drill hole and it is stamped "POOPANAUT NO 2 1956" and it is about 18 inches lower than the station.

"The Azimuth mark is about 24 ft. SE. of the center of a hard surface rd., about 15 ft. higher than the surface of the rd. and 0.15 mi. W. of a 5,000 ft. Elevation sign. It is set in a drill hole in a large boulder and it is stamped "POOPANAUT 1956".

Note: This is about 20 minute pack.

CALIFORNIA ZONE 3

X=2,189,959.4

Y= 511,271.6

*Elevation 5027.²⁶⁷₁₈₀ ft. (Spirit Leveling by C&GS)

*N.A. Elev: 5260 ft

*Latitude: 37°54'08.495"

*Longitude: 119°50'29.875"

*=Field values by C&GS

FILE COPY

11/9/56 mk ✓

PRICE PK (C&GS) Tuolumne County Calif.(472)

USC&GS, 1956 1927 N.A.D.
USGS, 1956 (Not occupied)

Books: PH 469-470

U. S. Coast and Geodetic Survey description not received yet.

FILE COPY

CALIF ZONE 3
X=2,279,317.0
Y= 571,084.2

**V.A. elevation 10,716.7 ft.(USGS,
1956

*Latitude: 38°03'52.13" *Longitude: 119°31'47.29"

**Field values by C&GS
***Computed from USGS AND C&GS data.

12/10/56 mk *WV*

FILE COPY

QUARRY PK (VA 11153) (1-73A) Tuolumne County Calif.(471)

L. B. Mansfield, 1956 (Not occupied) 1927 N.A.D.(Prelim.)

Books: PH 469-470

Located about 17.6 mi. SW. of Bridgeport and 12.7 mi. NW. of Tioga Pass on highest point of top of a pointed rock top known as Quarry Peak, in Yosemite National Park.

FILE COPY

Station reached by helicopter.

Station mark: Existing USGS aluminum tablet stamped "VA 11153"

Signal: White flag over fluorescent flag centered over station mark.

Signal data: Top white flag 6.5 ft.
Bottom white flag 3.5
Top fluorescent flag 2.7
Bottom fluorescent flag 0.00

Note: In 1956 C&GS intersected this point and called it "DOG".

Photo No. 1-73 VJS

CALIFORNIA ZONE 3
X=2,311,525.
Y= 564,386

V.A. elevation 11,161 ft.

Latitude: 38°02'42.42" Longitude: 119°25'05.55"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Richardson(C&GS)	100°14'56." "	280°04'49." "	79,959.
Forsyth(C&GS)	131 26 19.	311 20 20.	61,944.

11/9/56 mk

FILE COPY

RICHARDSON (C&GS)

Tuolumne County

Calif. (472)

USC&GS, 1956
L. B. Mansfield, 1956

1927 N.A.D.

Books: PH 469-470

FILE COPY

Located about 28.2 mi. WSW. of Bridgeport, 17.4 mi. S. and slightly W. of Sonora Pass; 6.3 mi. S. of Emigrant Lake; on prominent peak known as "RICHARDSON PK"; station is on a pinnacle of rock the highest point of top.

Station reached by helicopter.

Station mark: Standard C&GS disk stamped "RICHARDSON 1956"

Reference mark No. 1: Standard C&GS reference mark disk stamped "RICHARDSON 1956 NO 1" (no distance) in azimuth 198°56'.

Reference mark No. 2: Standard C&GS disk stamped "RICHARDSON 1956 NO 2" (no distance) in azimuth 75°03'

Note: No measurements were taken to reference marks.

Signal: Fluorescent over white flags centered over station mark.

Signal data:	Top fluorescent flag	10.75 ft.
	Bottom " "	8.35
	Top white " "	8.2
	Bottom white " "	5.2

Photo No. 1-35 GS VJS

CALIFORNIA ZONE 3
X=2,232;687.5
Y= 577,700.6

** V.A. elevation 9883.6 ft. (USGS, 1956)

*Latitude: 38°05'01.92" *Longitude: 119°41'29.62"

**=Field values by C&GS

***=Computed from USC&GS AND USGS data.

11/9/56 mk ✓

FILE COPY

SENTINEL DOME (VA 8117) Mariposa County Calif. (437)

C. F. Urquhart, 1905
S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: A244-247; PH 469-470

Described in Bul. 310, p. 139.

Recovered by S.H.S., 1956:

Located about 1.5 mi. SSE. of Yosemite Village, on a large, granite outcrop known as "SENTINEL DOME".

To reach from Pohono Bridge in Yosemite Valley, follow hwy. as to Glacier Point to the "SENTINEL DOME ROAD" sign; turn left on rd. to end of rd. Climb to top of Dome and station. (about 200 yards.) Tablet is set under the deformed base of a lone tree and is not possible to occupy the station.

Station mark: Standard tablet stamped "VA 8117 & S 1905" cemented in solid bedrock and under the trunk of crooked tree.

Reference mark No. 1: Standard reference mark tablet stamped "NO 1 1956" cemented in bed rock, 34.81 ft. from station mark in azimuth 208°02'.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2 1956" cemented in bed rock, 15.88 ft. from station mark in azimuth 257°32'.

Signal: White flag over red X-tgts. centered over reference mark No. 2. 15.88 ft. from station mark in azimuth 257°32'

Signal data:

Top white flag	11.1 ft.
Bottom white flag	8.1
Top red X-tgt.	7.2
Bottom red X-tgt.	5.0

Image point No. 1: _____ 39.8 ft. from station mark and 3.6 ft. lower in azimuth 162°53'.

Photo No. 1-133 VJS

CALIFORNIA ZONE 3
X=2,265;133.
Y= 446,647.

V.A. elevation 8122.5 ft. (1956)

Latitude: 37°43'23.33" Longitude: 119°34'59.88"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Flat	148°58'07."	328°55'48."	35,524.
Mt. Hoffmann(C&GS)	205 17 04.	25 19 47.	49,875.

11/9/56 mk

FILE COPY

FILE COPY

SIGNAL PEAK LOOKOUT

Mariposa County

Calif.(437)

C. N. Mortenson, 1945

1927 N.A.D.(Adj. 1954)

USC&GS, 1950

W. E. Burton, 1952

S. H. Schroeder, 1956

Books: H247-248; PH 207-208; PH 469-470

FILE COPY

Described in "SONORA AND MARIPOSA 30' QUADRANGLES" multilith, 1947 and revised 1953 as follows:

"Located on the highest point of Signal Peak, which is prominent peak about 12 mi. E. and 3 mi. N. of Mariposa:

"To reach from Mariposa, take rd. S. to Mormon Bar, thence E., go 5.95 mi. from Mariposa to Bootjack Store; take right fork and go 6.9 mi.; keep rd. straight ahead and go 1.15 mi.; take left fork and go 0.7 mi.; take right fork and go 0.95 mi.; take left fork and go 0.7 mi.; turn left up hill and go 4.0 mi. to rd. fork in saddle; turn sharp to right and go 2.65 mi.; turn sharp to left and go 1.0 mi.; turn left on ascending grade and go about 1.0 mi. to station.

"Station mark and signal: Center of USFS Lookout house.

"Reference mark No. 1: Standard reference mark tablet stamped "SIGNAL PEAK NO 1 1945", cemented in large rock, 32.9 ft. from station mark in azimuth 110°53'.

"Reference mark No. 2: Standard reference mark tablet stamped "SIGNAL PEAK NO 2 1945", cemented in rock, 23 ft. from station mark in azimuth 208°34'."

Note: Intersected by USC&GS 1950 (not described.)

Recovered by W.E.B., 1952: Station found as described. All marks in good condition.

Note by S.H.S., 1956: Station found as described. Reference marks found in good condition.

A new concrete room under the observation section of the L.O.H. may have changed the center position of the L.O.H.

NOTE: No evidence of old USGS station "DEVIL". Top of mountain has been changed to accomodate the lookout house and probably destroyed.

Station mark and signal: Center of L.O.H.

Signal data: Apex of roof 19.8 ft.

Eaves 15.8

Floor of L.O. 6.3

Image point No. 1: White corner, 67.6 ft. from station mark and 8.2 ft. lower in azimuth 202°20'.

Image point No. 2: Bush, 48.0 ft. from station mark and 8.1 ft. lower in azimuth 258°53'.

Photo No. 2-78 VJS. ✓

CALIFORNIA ZONE 3

X=2,220;514.7

Y= 375,666.3

V.A. elevation 6989.2 ft.(ground)
(1952)

Latitude: 37°31'45.498" Longitude: 119°44'22.400"

CONTINUED ON PAGE 2

FILE COPY

SIGNAL PEAK LOOKOUT

Mariposa County

Calif.(437)

C. N. Mortenson, 1945

1927 N.A.D.(Adj. 1954)

USC&GS, 1950

W. E. Burton, 1952

S. H. Schroeder, 1956

Books: H247-248; PH 207-208; PH 469-470

FILE COPY

CONTINUED FROM PAGE 1

Latitude: 37°31'45.498" Longitude: 119°44'22.400"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log Meters</u>	<u>Miles</u>
Miami Lookout	1°56'57.37"	181°56'47.08"	4.0864643	40,035.80
Clouds Rest (VA BM 9929)	219 51 50.53	40 01 03.13	4.5383957	113,339.15
Red 2	244 34 52.03	64 46 59.12	4.5098540	106,129.99
Buena Vista	249 51 11.60	69 59 20.69	4.3215084	68,784.83
Madera (USBR)	268 15 04.38	88 28 27.68	4.5103781	106,258.17
Raymond	276 42 25.22	96 48 54.10	4.1983734	51,803.32
Iron	283 21 58.99	103 31 09.12	4.3582970	74,865.41
Shuteye (C&GS)	305 43 25.02	125 54 48.56	4.5326063	111,838.28
Deadwood	348 33 45.56	168 35 45.06	4.3877997	80,127.93

11/9/56 mk ✓

FILE COPY

SMITH (C&GS)

Tuolumne County

Calif. (455)

USC&GS, 1956

1927 N.A.D.

J. P. Minta, 1956

Books: PH 469-470

FILE COPY

Located and reached by helicopter.

Station mark: Standard C&GS disk stamped "SMITH 1956" cemented in top of large boulder.

Reference mark No. 1: Standard C&GS reference mark disk stamped "SMITH NO 1 1956" cemented in bedrock, 68.41 ft. from station mark in azimuth $294^{\circ}48'$.

Reference mark No. 2: Not searched for.

Signal: Red cloth wrapped around C&GS light stand centered over station mark.

Signal data: Top of light stand 5.0 ft.

Image point No. 1: Center of tree of NE. end of brush line, 94 ft. from station mark and 24 ft. lower in azimuth $318^{\circ}47'$.

Image point No. 2: Near side of brush in rocks, 157 ft. from station mark and 24.4 ft. lower in azimuth $163^{\circ}10'$.

Photo No. 1-38

CALIFORNIA ZONE 3

X=2,220;930.9

Y= 520,421.9

V.A. elevation 7751.4 ft.(USGS,1956)

*Latitude: $37^{\circ}55'36.629''$

*Longitude: $119^{\circ}44'02.525''$

*=Field values by USC&GS

FILE COPY

11/9/56 mk ✓

SPINN (C&GS)

Tuolumne County

Calif. (457)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

Books: PH 469-470

FILE COPY

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is on a small brush covered hill about 0.5 mi. W. of the main rd. to Early Intake. It is about 11.5 mi. airline E. of Groveland; 13.5 mi. airline NE. of Coulterville; 3.5 mi. SW. of Early Intake Powerhouse and 15 mi. airline SE. of Tuolumne.

"To reach from the Post Office in Groveland, go E. on State Highway 120 for 15.1 mi. to fork; take left fork, paved, and go 2.2 mi. to dirt rd. left; turn back sharp left and go 0.5 mi.; keep left on main rd. and go 0.25 mi. to fork; go left and go 0.05 mi.; turn left on old RR. grade and go 0.1 mi.; take right fork and go 0.2 mi.; turn right; up hill and go 0.1 mi. to summit of hill and station site.

"The station mark is 27 ft. SSW. of a boulder projecting 6 ft. The mark projects 1 ft. and the disk is stamped "SPINN 1956".

"Reference mark No. 1: Is about 1 ft. lower than station The mark projects 8 inches and the disk is stamped "SPINN NO 1 1956".

"Reference mark No. 2: Is 10 ft. NNW. of a 6 ft. boulder. The mark is flush and the disk is stamped "SPINN NO 2 1956".

"Duckwall lookout tower was cut in for ground azimuth.

CALIFORNIA ZONE 3

X=2,142,427.3

Y= 488,411.8

*Elevation 3507.885 ft. (Spirit Leveling by C&GS)

*Latitude: 37°50'25.379"

*Longitude: 120°00'24.424"

*=Field values by C&GS

FILE COPY

11/9/56 mk ✓

SUMMERS (C&GS)

Mono County

Calif.(471)

C&GS; 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

Books: PH 469-470

U. S. Coast and Geodetic Survey description not received yet.

FILE COPY

CALIFORNIA ZONE 3

X=2,357,454.4

Y= 613,969.7

**V.A. elevation 7514.4 ft.(USGS
1956) No check on this elev.)

*Latitude: 38°10'46.94"

*Longitude: 119°15'23.20"

*=Field values by C&GS

**= Computed from USGS and C&GS data

11/9/56 mk ✓

FILE COPY

TABLE (C&GS)

Tuolumne County

Calif.(455)

USC&GS, 1956
J. P. Minta, 1956

1927 N.A.D.

Books: PH 469-470

FILE COPY

U. S. Coast and Geodetic Survey description not received yet.

Note by J.P.M., 1956:

Signal: White flag over fluorescent flag on tripod.

Signal data:	Top white flag	11.5 ft.
	Top fluorescent flag	7.7
	Top tripod	4.5

CALIFORNIA ZONE 3
X=2,276;265.6
Y= 539,489.9

V.A. elevation 9643.4 ft.(USGS,1956)

*Latitude: 37°58'40.10"

*Longitude: 119°32'29.49"

*=USC&GS field values

11/9/56 mk *[initials]*

FILE COPY

TAM (C&GS)

Mono County

Calif.(471)

USC&GS, 1956

1927 N.A.D.

USGS, 1956 (Not occupied)

Books: PH 469-470

U. S. Coast and Geodetic Survey description not available yet.

FILE COPY

CALIFORNIA ZONE 3

X=2,344,089.4

Y= 592,834.1

**V.A. elevation 11,219.6 ft.
(USGS, 1956)

*Latitude: 38°07'19.73"

*Longitude: 119°18'13.95"

**Field values by C&GS

**=Computed from USGS and C&GS data.

11/9/56 mk

FILE COPY

USC&GS, 1956
S. H. Schroeder, 1956

1927 N.A.D.

FILE COPY

Books: PH 469--470

Described by U. S. Coast and Geodetic Survey in 1956
Reconnaissance Notes as follows:

"The station is located about 17 mi. NE. of Groveland; 6 mi. N. of the Early Intake Dam; 4.5 mi. NW. of the North Mtn. L.O.; 4.5 mi. WSW. of Lake Eleanor; and at the Woods Ridge Forest Service Lookout Tower.

"To reach from the Post Office in Groveland, go E. on State Highway 120 for 14.3 mi. to the Cliff House and the South Fork of the Tuolumne River; continue on Highway 120 for 0.5 mi. to a fork; take left fork as per sign "CHERRY VALLEY DAM" and go 5.3 mi. to a fork, take left fork as per sign "EARLY INTAKE DAM" and go 3.0 mi. to a bridge below the Early Intake Dam; continue on main traveled rd. for 11.1 mi. to T-rd. left and sign on the right; camp 45 and Woods Ridge; turn left and go 0.15 mi. to a fork; take left fork for 0.2 mi. to a fork; take right fork and go 0.5 mi. to three forks of the rd.; take extreme right fork and go 0.05 mi. to a fork; take right fork and go 1.25 mi. to a fork; take left fork and go 1.35 mi. to the Woods Ridge L.O. and station.

"The station is 51.28 ft. NE. of the center of the Woods Ridge L.O. tower and in the center of a circle driveway. It is a standard disk and it is stamped "WOODS RIDGE 1956" and it is set flush with ground surface.

"Reference mark No. 1: Is 23 ft. NNE. of driveway to L.O. cabin; 8 ft. NE. of an 18-in. oak tree and it is about 2 ft. lower than the station; it is standard disk in drill hole in bedrock stamped "WOODS RIDGE NO 1 1956", projecting about 2-inches.

"Reference mark No. 2: Is set in center of Woods Ridge Forest Service L.O. tower, 18 inches higher than station. It is stamped "WOODS RIDGE NO 2 1956", set flush with ground.

"No Azimuth mark to this station."

Note by S.H.S., 1956: Station found as described by USC&GS preliminary description.

Station mark: Standard C&GS disk stamped "WOODS RIDGE 1956".

Reference marks: Note--No description available at time of occupation. Short search failed to find Reference mark No. 1.

Reference mark No. 2: Standard C&GS disk stamped "WOODS RIDGE NO 2" under center of L.O.T., 51.28 ft. from station mark in azimuth 69°02'06".

Signal: Center of L.O.T., 51.28 ft. from station mark in azimuth 69°02'06".

Signal data: Apex of roof	109.4 ft.
Eaves of L.O.	107.8
Floor of L.O.	100.8

Photo No. 2-48 VJM

CALIFORNIA ZONE 3

X=2,153,458.7

Y= 531,739.5

**V.A. elevation 5998.5 ft.(USGS, 1956)

*Latitude: 37°57'33.147"

*Longitude: 119°58'03.831"

**=Values by USC&GS

**=Computed from USGS & C&GS data.

11/9/56 mk ✓

FILE COPY

FILE COPY

YOSEMITE POINT (VA 6935) Mariposa County Calif. (455)

C. F. Urquhart, 1905 1927 N.A.D. (Prelim.)
S. H. Schroeder, 1956
Books: A244-247; PH 469-470

Described 1905 in Level Line by R. A. Farmer (Books: 7683) as follows:

"Yosemite Point, at W. end of iron railing; triangulation tablet".

Note by S.H.S., 1956:
Station mark: Standard tablet stamped "6935 1905" set in bedrock.

Signal: Red fluorescent flag centered over station mark.

Signal data:	Top red fluorescent flag	6.8 ft.
	Bottom of flag	4.8
	Top guard rail	4.6
	Middle guard rail	3.1
	Bottom guard rail	1.6

Image point No. 1: A tree, 51 ft. from station mark and 1.0 ft. higher in azimuth 178°15'.

Image point No. 2: A tree, 134.0 ft. from station mark and 15.1 ft. higher in azimuth 187°12'.

Photo No. 1-132 VJS

CALIFORNIA ZONE 3	Elevation 6935.506 ft. (Spirit Leveling by R.A. Farmer, 1905)
X=2,262;424.	
Y= 458,684.	

Latitude: 37°45'22.59" Longitude: 119°35'32.14"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	59°03'39."	239°02'52."	7,229.
Sentinel Dome (VA 8117)	347 52 18.	167 52 38.	12,339.

11/9/56 mk

FILE COPY

FILE COPY

EL CAPITAN

Mariposa County

Calif. (437)

C. F. Urquhart, 1905 (n)

1927 N.A.D. (Unadj.)

S. H. Schroeder, 1956 (Not occupied)

Books: A244-247; PH 469-470

Described in Bul. 310, page 138 as follows:

"On the highest point of El Capitan, nearest the bluff. The Eagle Peak trail continues on to this mountain.

"Station mark: A cairn on highest point".

Intersected by USGS in 1956.

CALIFORNIA ZONE 3

X=2,249,678.

Y= 450,536.

V.A. elevation 7569. ft. (1956)

Latitude: 37°44'03.22"

Longitude: 119°38'11.80"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	236°56'00"	56°56'51."	7,903.
Sentinel Dome (VA 8117)	284 38 48.	104 40 46.	15,938.

(n)=Not occupied

FILE COPY

11/9/56 mk

FILE COPY

PIUTE

Tuolumne County

Calif. (472)

L. B. Mansfield, 1956

1927 N.A.D. (Unadj.)

Books: PH 469-470

Located about 15.8 mi. NW. of Tuolumne Meadows Ranger Station and 15.5 mi. N. of Porcupine Flat; on a prominent top known as "Piute Mtn." Station is on a pinnacle of rocks which is the highest point of top.

Station reached by helicopter.

Station mark: Shallow cross chiseled on top large rock.

Signal: White flag over red X-tgts.

Signal data:	Top white flag	9.0 ft.
	Bottom white flag	6.0
	Top red X-tgts.	4.7
	Bottom red X-tgt.	2.4

Image point No. 1: Lone bush in clearing to W., 340 ft. from station mark and 105.47 ft. lower. (no azimuth)

Photo No. 2-29 VJS

CALIFORNIA ZONE 3

X=2,274,523.

V.A. elevation 10,541. ft.

Y= 559,860.

Latitude: 38°02'01.65"

Longitude: 119°32'48.66"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Richardson (C&GS)	113°40'50."	293°35'29."	45,484.
Forsyth(C&GS)	168 09 58.	348 08 45.	46,061.

11/9/56 mk

FILE COPY

1-36 A

Tuolumne County

Calif. (455)

J. P. Minta, 1956

1927 N.A.D. (Unadj.)

Books: PH 469-470

Located about 18.2 mi. NNW. of Yosemite Valley and 6.0 mi. NE. of Hetch Hetchy Dam; near one of the lesser tops of Gibson Mtn.

FILE COPY

Station reached by helicopter.

Station mark: A $1\frac{1}{2}$ by $2\frac{1}{2}$ ft. oval depression about $\frac{1}{2}$ -in. deep in top of boulder about 15 ft. above general ground level.

Signal: White flag over red X-tgts. nailed to 2 by 2 pole centered over station mark.

Signal data:	Top white flag	11.0 ft.
	Bottom white flag	8.1
	Top red X-tgt.	7.0
	Bottom red X-tgt.	4.8

Image point No. 1: Center of tree, 71 ft. from station mark and 24 ft. lower in azimuth $43^{\circ}04'$.

Image point No. 2: Center of tree, 61 ft. from station mark and 15 ft. lower, in azimuth $196^{\circ}45'$.

Image point No. 3: Center of tree, 105 ft. from station mark and 16 ft. lower in azimuth $204^{\circ}14'$.

Photo No. 1-37

CALIFORNIA ZONE 3

X=2,229,203.

Y= 542,715

V.A. elevation 8217 ft.

Latitude: $37^{\circ}59'16.34''$

Longitude: $119^{\circ}42'16.92''$

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Bald (C&GS)	$26^{\circ}50'29.0''$	$206^{\circ}47'22.0''$	54,101.
Double (C&GS)	309 40 35.	129 45 30.	50,051.

FILE COPY

11/9/56 mk V

1-53 A (Crown Point) Mono County

Calif. (471)

L. B. Mansfield, 1956 (Not occupied)

1927 N.A.D.(Unadj.)

Books: PH 469-470

FILE COPY

Located about 17.5 mi. NW. of Tioga Pass and 16.0 mi. SW. of Bridgeport on the highest point of a rocky top known as Crown Point.

Station reached by helicopter.

Note: No station marks set (Later, it is believed, the C&GS occupied this station calling it "CROWN POINT" but we do not have the information at this time--and they may have set a station mark). An old USGS VA tablet stamped "VA BM 11346" was found cemented in the edge of a rock about 2 ft. from station and could not be used for a set up.

Station mark and signal: White flag over red X-tgts.

Signal data:	Top white flag	11.0 ft.
	Bottom white flag	8.0
	Top red X-tgt.	7.0
	Bottom red X-tgt.	4.7
	Old cairn	3.9
	New cairn	2.7

Photo No. 1-71 VJS

CALIFORNIA ZONE 3

X=2,300;199.

V.A. elevation 11,364. ft.

Y= 588,279.

Latitude: 38°06'39.89"

Longitude: 119°27'23.79"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Piute	42°44'08."	222°40'47."	38,302.
Richardson (C&GS)	81 44 05.	261 35 23.	68,339.

FILE COPY

11/9/56 mk ✓

FILE COPY

1-56 A

Tuolumne County

Calif.(454)

L. B. Mansfield, 1956

1927 N.A.D.(Unadj.)

Books: PH 469-470

Located about 10.8 mi. NW. of Tuolumne Meadows Ranger Station and 10.5 mi. N. of Tenaya Lake on highest point of top, a high and prominent top known as "PETTIT PK". Station is on a small rock.

Station was reached by helicopter.

Station mark: Nail in top cedar stake wedged in crack of large boulder.

Signal: Fluorescent over white flag on pole centered over station mark.

Signal data:	Top fluorescent flag	8.0 ft.
	Top white flag	6.5
	Bottom white flag	3.5

Photo No. 1-56 GSVJS

CALIFORNIA ZONE 3
X=2,294;102
Y= 542,579.

V.A. elevation 10,788. ft.

Latitude: 37°59'08.77"

Longitude: 119°28'46.31"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Mt. Hoffmann (C&GS)	9°43'32."	189°42'26.	51,280.
Richardson (C&GS)	120 23 22.	300 15 32.	70,753.

11/9/56 mk

FILE COPY

1-143 A

Mariposa County

Calif. (437)

FILE COPY

S. H. Schroeder, 1956

1927 N.A.D. (Unadjusted)

Books: PH 469-470

Located about 10.5 mi. S. of Yosemite Village and 5.0 mi. NE. of Wawona, in Yosemite Park on small thinly timbered top on Horse Ridge.

Station reached by helicopter.

Station mark: Shallow drill hole in small rock.

Signal: White flag over red fluorescent X-tgts. centered over station mark.

Signal data:	Top white flag	11.0 ft.
	Bottom white flag	8.0
	Top red X-tgt.	6.2
	Bottom red X-tgt.	4.0

Image point No. 1: South side of tree, 114 ft. from station mark and 2.0 ft. lower in azimuth 335°01'42".

Image point No. 2: Small lone tree, 61 ft. from station mark and 0.2 ft. lower in azimuth 237°17'.

Image point No. 3: Large tree, 27 ft. from station mark and 0.5 ft. higher in azimuth 251°00'.

Photo No. 1-143 VJS

CALIFORNIA ZONE 3

X=2,258;510.

V.A. elevation 8024. ft.

Y= 401,019.

Latitude: 37°35'52.84"

Longitude: 119°36'27.73"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Signal Peak L.O.	56°49'56."	236°45'07."	45,680.
Crane Flat	133 54 09.	313 46 23.	85,038.

11/9/56 mk ✓

FILE COPY

2-28 A

Tuolumne County

Calif.(455)

L. B. Mansfield, 1956

1927 N.A.D.(Unadj.)

Books: PH 469-470

Located about 12.5 mi. NW. of Tenaya Lake, 7.5 mi. NNE. of White Wolf; 2 mi. WSW. of Table Lake on E.-W. ridge that is thickly timbered to the N. Station is on E. end of ridge line in an open area with thinly scattered timber to S.

FILE COPY

Station was reached by helicopter.

Station mark and signal: White flag over red X-tgts. on pole set in cairn.

Signal data:	Top white flag	12.1 ft.
	Bottom white flag	9.1
	Top red X-tgt.	8.0
	Bottom red X-tgt.	5.8

Image point No. 1: Lone tree, 215 ft. from station mark in azimuth 56°43'.

Photo No. 2-28 VJS

CALIFORNIA ZONE 3

X=2,259,539.

Y= 536,392

V.A. elevation 8772. ft.

Latitude: 37°58'11.22"

Longitude: 119°35'58.76"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Richardson (C&GS)	147°31'12."	327°27'48."	49,262.
1-56 A	260 25 15.	80 29 41.	35,113.

FILE COPY

11/9/56 mk *VJS*

FILE COPY

37 119 4

CALIF. 437
37°30'
119°30'

NAME
SIGNAL PEAK LOOKOUT

STATION
~~1023~~ 1021

Dates 1022-1024 not used as they are not in the file

JULY 1963
 PUBLISHED AND PRINTED BY:
 U.S. DEPARTMENT OF COMMERCE
 COAST AND GEODETIC SURVEY
 WASHINGTON D.C.
 REVISED DEC 1969

HORIZONTAL CONTROL DATA

by the
 Coast and Geodetic Survey
 NORTH AMERICAN 1927 DATUM

CALIFORNIA

QUAD 371194 STATIONS 1021
 CALIF
 LATITUDE 37°30' TO 38°00'
 LONGITUDE 119°30' TO 120°00'
 DIAGRAM NJ 11-7 MARIPOSA

437

ADJUSTED HORIZONTAL CONTROL DATA

NAME OF STATION: **SIGNAL PEAK LOOKOUT**
 STATE: **CALIFORNIA** YEAR: **1950** ORDER: **THIRD**
 LOCALITY: **SIERRA NATIONAL FOREST**
 SOURCE: **G-14172** FIELD SKETCH: **NO OBSERVATIONAL CHECK ON THIS POSITION**

GEODETIC LATITUDE	37 31 45.54242	ELEVATION	METERS
GEODETIC LONGITUDE	119 44 22.44488		FEET

STATE COORDINATES (FATH)				
STATE & ZONE	CODE	X	Y	θ HOR Δ θ I ANGLE *
CALIF. III	0403	2,220,511.04	375,670.78	+ 0 27 56
CALIF. IV	0404	1,785,511.34	800,291.72	- 0 26 28

* PLANE AZIMUTH HAS BEEN COMPUTED BY THE θ HOR Δ θ I FORMULA NEGLECTING THE SECOND TERM

TO STATION OR OBJECT	GEODETIC AZIMUTH (From 1927)	PLANE AZIMUTH * (From 1927)	CODE
(No description available)			

FILE COPY

FEB 1970

37°30'
119 30

CALIFORNIA 437

Index

<u>Station</u>	<u>Project</u>
BM "S 26 1933" (TT)	Yosemite
Buena Vista	Devils Postpile
Dance Hall	Yosemite
Dewey (VA 7381)	Yosemite
Eagle Point (VA 7773)	Yosemite
El Capitan	Yosemite
✓ Glacier Point (VA 7214)	Yosemite
Hennes Ridge L.O.H. Raymond	Yosemite Devils Postpile
✓ Sentinel Dome (VA 8117)	Yosemite
Signal Peak Lookout	Devils Postpile
Starr King Valley USGS	Devils Postpile
1-5 B INACTIVE FILE	Devils Postpile
1-55 A Inactive INACTIVE FILE	Devils Postpile
1-143 A	Yosemite

Yosemite Project Master in CALIFORNIA NONE - Book: PH 470

Devils Postpile Project in CALIFORNIA 415 - Book: PH 208

Yosemite Transit Traverse - Inactive File

GLACIER POINT (VA 7214) Mariposa County Calif. (437)

C. F. Urquhart, 1905
S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: A244-247; PH 469-470

Described in Bul. 310, pages 139 and 140.

Recovered by S.H.S., 1956: Located on the S. rim of Yosemite Valley at Glacier Point.

To reach from Pohono Bridge in Yosemite Valley, follow rd. toward S. entrance of park to Chinquapin Junction; take rd. left for 16 mi. and Glacier Point. Walk to view point and station which is near E. end of guard rail and directly beneath the horizontal guard rails.

Station mark: Standard tablet stamped "VA 7214 7-11-1905"

Signal: Red fluorescent flag on pole centered over station mark.

Signal data: Top red fluorescent flag 7.9 ft.
Bottom 5.7

Image point No. 1: 65 ft. from station mark and 8.2 ft. higher in azimuth $68^{\circ}02'$.

Photo No. 1-133 VJS

CALIFORNIA ZONE 3
X=2,268;204.
Y= 449,448.

V.A. elevation 7214.4 ft. (1956)

Latitude: $37^{\circ}43'50.72''$ Longitude: $119^{\circ}34'21.31''$

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	115°07'54."	295°06'23."	13,133.
Clouds Rest (VA BM 9929)	240 57 55.	61 01 01.	27,893.

11/9/56 mk

FILE COPY

SENTINEL DOME (VA 8117) Mariposa County Calif. (437)

C. F. Urquhart, 1905
S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: A244-247; PH 469-470

Described in Bul. 310, p. 139.

Recovered by S.H.S., 1956:

Located about 1.5 mi. SSE. of Yosemite Village, on a large, granite outcrop known as "SENTINEL DOME".

To reach from Pohono Bridge in Yosemite Valley, follow hwy. as to Glacier Point to the "SENTINEL DOME ROAD" sign; turn left on rd. to end of rd. Climb to top of Dome and station. (about 200 yards.) Tablet is set under the deformed base of a lone tree and is not possible to occupy the station.

Station mark: Standard tablet stamped "VA 8117 8 S 1905" cemented in solid bedrock and under the trunk of crooked tree.

Reference mark No. 1: Standard reference mark tablet stamped "NO 1 1956" cemented in bed rock, 34.81 ft. from station mark in azimuth 208°02'.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2 1956" cemented in bed rock, 15.88 ft. from station mark in azimuth 257°32'.

Signal: White flag over red X-tgts. centered over reference mark No. 2. 15.88 ft. from station mark in azimuth 257°32'

Signal data:	Top white flag	11.1 ft.
	Bottom white flag	8.1
	Top red X-tgt.	7.2
	Bottom red X-tgt.	5.0

Image point No. 1: _____ 39.8 ft. from station mark and 3.6 ft. lower in azimuth 162°53'.

Photo No. 1-133 VJS

CALIFORNIA ZONE 3
X=2,265,133.
Y= 446,647.

V.A. elevation 8122.5 ft. (1956)

Latitude: 37°43'23.33" Longitude: 119°34'59.88"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Flat	148°58'07."	328°55'48."	35,524.
Mt. Hoffmann(C&GS)	205 17 04.	25 19 47.	49,875.

11/9/56 mk

FILE COPY

FILE COPY

BM "S 26 1933" (TT)

Mariposa County

Calif. (437)

S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: PH 469-470

Described in Traverse Line by S. C. Kain, 1933 as follows: "In front of Ahwahnee Hotel at edge of front side-walk, 9 ft. S. of pine tree in circular concrete side-walk, 45 ft. SW. of automobile driveway, 60 ft. E. of second angle in wall of building; bronze tablet in concrete monument set flush with ground and stamped "S 26 1933 3976 TT", being a permanent bench mark. (Elev. 3976.076 ft.)

FILE COPY

Note by S.H.S., 1956: Station found as described.

Signal: Red flag on pole, 209.72 ft. from station mark in azimuth 12°56'16".

Signal data: Top red flag 7.2 ft.
Bottom red flag 4.4

Photo No. 1-133 VJS

CALIFORNIA ZONE 3

X=2,268,045.

Y= 455,077.

Elevation 3976.964 ft. (Spirit Leveling by G. M. Smith, 1933)

Latitude: 37°44'46.38"

Longitude: 119°34'22.60"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	89°44'56."	269°43'27."	11,787.
Yosemite Point	123 15 53.	303 15 11.	6,680.

11/9/56 mk

FILE COPY

BUENA VISTA

Madrea County

Calif.(437)

W. H. Chapman, 1952
S. H. Schroeder, 1956

1927 N.A.D.(Adj. 1954)

Books: PH 207-208; PH 469-470

FILE COPY

Located about 11.0 mi. SSE. of Yosemite, 8.5 mi. NE. of Wawona, on highest point of Buena Vista Crest.

To reach from Buck Camp Ranger Station, in Southern Yosemite Park by pack train via Royal Arch Lake; turn off trail at Buena Vista Pass to W. up ridge to highest point and station. (Horses can be taken to within 20-minutes pack of station.)

Station mark: Standard tablet stamped "BUENA VISTA 1952" cemented in rock.

Reference mark No. 1: Copper nail and washer wedged in boulder, 8.72 ft. from station mark in azimuth 256°56'.

Reference mark No. 2: Copper nail and washer wedged in boulder, 20.45 ft. from station mark in azimuth 38°02'.

Note by S.H.S., 1956: Station mark and reference mark No. 1 found as described.

Station reached by helicopter.

Signal: White flag over red X-tgts. on pole centered over station mark.

Signal data:	Top white flag	10.9 ft.
	Bottom white flag	8.0
	Top red X-tgt.	6.2
	Bottom X-tgt.	4.0

Image point No. 1: 49 ft. from station mark and 11 ft. lower in azimuth 3°16'.

Image point No. 2: Center of large, dark area W. of station, 89 ft. from station mark and 10.7 ft. lower in azimuth 96°56'.

Photo No. 1-141 VJS

CALIFORNIA ZONE 3

X=2,284,891.8

Y= 399,880.2

V.A. elevation 9709.4 ft.(1952)

Latitude: 37°35'38.969" Longitude: 119°31'00.078"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log Meters</u>	<u>Foot</u>
Raymond	23°57'05.60"	203°55'25.77"	3.9960293	32509.74
Signal Peak L.O.	69 59 20.69	249 51 11.60	4.3215084	68784.83
Clouds Rest(VA BM 9929)	187 24 05.51	7 25 08.10	4.2889486	63816.47
Red 2	235 11 02.90	55 15 00.74	4.0656602	38163.17
Madera (USBR)	296 17 40.23	116 22 54.98	4.1503774	46383.30

11/9/56 mk ✓

FILE COPY

DANCE HALL

Mariposa County

Calif. (437)

S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: PH 469-470

FILE COPY

Located about 8.4 mi. WSW. of Yosemite Village and 4.0 mi. ESE. of Crane Flat Ranger Station; on the highest point of a nearly flat granite formation known as the Devil's Dance Hall, in Yosemite National Park.

To reach from Crane Flat Ranger Station at the entrance to Yosemite Park, drive along hwy. as to Tioga Pass for 3.2 mi. to rd. forks leading to Tamarack Flat; take right fork 3.1 mi. to Tamarack Flat; turn right on dim rd. and stay on N. side of small drain to end of rd. Pack in a southerly direction along granite ridge for about 1.0 mi. to a large granite area nearly void of trees. Station is on highest point of top. About 20-minute pack.

Station mark: Standard tablet stamped "DANCE HALL 1956" cemented in drill hole in granite bedrock.

Reference mark No. 1: Standard reference mark tablet stamped "NO 1 1956" cemented in bedrock, 13.39 ft. from station mark in azimuth 113°06'.

Reference mark No. 2: Standard reference mark tablet stamped "NO 2 1956" cemented in bedrock, 28.90 ft. from station mark in azimuth 201°30'.

Signal: White flag over red cloth cross target on pole centered over station mark.

Signal data:	Top white flag	11.2 ft.
	Bottom white flag	8.2
	Top red X-tgt.	6.7
	Bottom red X-tgt.	4.0

Image point No. 1: Lone tree, 312 ft. from station mark and 16.6 ft. lower in azimuth 5°47'51".

Image point No. 2: Tree, 46.0 ft. from station mark and 2.7 ft. lower in azimuth 254°06'.

Photo No. 1-130 VJS

CALIFORNIA ZONE 3

X=2,221;206.

Y= 452,152.

V.A. elevation 6835.6 ft.

FILE COPY

Latitude: 37°44'21.65"

Longitude: 119°44'06.05"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Flat	226°06'57."	46°10'11."	35,410.
Sentinel Dome (VA 8117)	277 36 39.	97 42 14.	44,274.

11/9/56 mk

✓

DEWEY (VA 7381)

Mariposa County

Calif. (437)

C. F. Urquhart, 1906
S. H. Schroeder, 1956

1927 N.A.D. (Prelim.)

Books: A244-247; PH 469-470

FILE COPY

Described in Bul. 310, p. 137.

Recovered 1956 by S.H.S.;
Located about 5.0 mi. SW. of Yosemite Village, on S.
rim of Yosemite Valley; on a sharp point of land known as
"DEWEY POINT".

Station reached by helicopter.

However, by land route the point can be reached as
follows: On the rd. to Glacier Point from Chinquapin 8.6
mi. to a trail fork on the N. side of rd. Hike N. on trail
for approximately 4 mi. to point and station.

Station mark: Standard tablet stamped "7381 10-15-1906"

Signal: Fluorescent flag on pole centered over station
mark.

Signal data: Top red fluorescent flag 3.9 ft.
Bottom of flag 1.7

Image point No. 1: Lone tree, 27.05 ft. from station
mark and 2.0 ft. lower in azimuth 359°51'.

Image point No. 2: Point of brush, 46.0 ft. from
station mark and 2.8 ft. lower in azimuth 55°03'.

Image point No. 3: Point of rock, 10.0 ft. from station
mark (no azimuth).

Photo No. 1-131 VJS

CALIFORNIA ZONE 3

X=2,245,478.

V.A. elevation 7384.7 ft. (1956)

Y= 439,543.

Latitude: 37°42'14.92"

Longitude: 119°39'05.32" ✓

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	215°34'45."	35°36'08."	18,772.
Sentinel Dome (VA 8117)	250 38 49.	70 41 19.	20,902.

FILE COPY

11/9/56 mk ✓

EAGLE POINT (VA 7773) Mariposa County Calif. (437)

C. F. Urquhart, -1905 1927 N.A.D. (Prelim.)
S. H. Schroeder, 1956
Books: A244-247 ; PH 469-470

FILE COPY

Described in Bul. 310, pages 137 and 138. Station called "EAGLE"

Note by S.H.S., 1956: Old description is adequate, but correction should be made: This point is known as "EAGLE POINT", not "EAGLE PEAK".

Station mark: Standard tablet stamped "VA 7773 11-4-1905" cemented in rock.

Signal: Red fluorescent flag centered over station mark.

Signal data: Top red fluorescent flag 4.0 ft.
Bottom of flag 1.6

Photo No. 1-132 VJS

CALIFORNIA ZONE 3
X=2,256,260.
Y= 454,908.

V.A. elevation 7779.1 ft. (1956)

Latitude: 37°44'45.84"

Longitude: 119°36'49.34"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Mt. Hoffmann (C&GS)	219°17'45."	39°21'34."	47,499.
Clouds Rest (VA BM 9929)	257 35 56.	77 40 33.	37,141.

11/9/56 mk

FILE COPY

SIGNAL PEAK LOOKOUT

Mariposa County

Calif.(437)

C. N. Mortenson, 1945

1927 N.A.D.(Adj. 1954)

USC&GS, 1950

W. E. Burton, 1952

S. H. Schroeder, 1956

Books: H247-248; PH 207-208; PH 469-470

FILE COPY

Described in "SONORA AND MARIPOSA 30' QUADRANGLES" multilith, 1947 and revised 1953 as follows:

"Located on the highest point of Signal Peak, which is prominent peak about 12 mi. E. and 3 mi. N. of Mariposa:

"To reach from Mariposa, take rd. S. to Mormon Bar, thence E., go 5.95 mi. from Mariposa to Bootjack Store; take right fork and go 6.9 mi.; keep rd. straight ahead and go 1.15 mi.; take left fork and go 0.7 mi.; take right fork and go 0.95 mi.; take left fork and go 0.7 mi.; turn left up hill and go 4.0 mi. to rd. fork in saddle; turn sharp to right and go 2.65 mi.; turn sharp to left and go 1.0 mi.; turn left on ascending grade and go about 1.0 mi. to station.

"Station mark and signal: Center of USFS Lookout house.

"Reference mark No. 1: Standard reference mark tablet stamped "SIGNAL PEAK NO 1 1945", cemented in large rock, 32.9 ft. from station mark in azimuth 110°53'.

"Reference mark No. 2: Standard reference mark tablet stamped "SIGNAL PEAK NO 2 1945", cemented in rock, 23 ft. from station mark in azimuth 208°34'."

Note: Intersected by USC&GS 1950 (not described.)

Recovered by W.E.B., 1952: Station found as described.

All marks in good condition.

Note by S.H.S., 1956: Station found as described.

Reference marks found in good condition.

A new concrete room under the observation section of the L.O.H. may have changed the center position of the L.O.H.

NOTE: No evidence of old USGS station "DEVIL". Top of mountain has been changed to accomodate the lookout house and probably destroyed.

Station mark and signal: Center of L.O.H.

Signal data: Apex of roof	19.8 ft.
Eaves	15.8
Floor of L.O.	6.3

Image point No. 1: White corner, 67.6 ft. from station mark and 8.2 ft. lower in azimuth 202°20'.

Image point No. 2: Bush, 48.0 ft. from station mark and 8.1 ft. lower in azimuth 258°53'.

Photo No. 2-78 VJS.

CALIFORNIA ZONE 3

X=2,220;514.7

Y= 375,666.3

V.A. elevation 6989.2 ft.(ground)
(1952)

Latitude: 37°31'45.498" Longitude: 119°44'22.400"

FILE COPY

CONTINUED ON PAGE 2

1-143 A

Mariposa County

Calif. (437)

FILE COPY

S. H. Schroeder, 1956

1927 N.A.D. (Unadjusted)

Books: PH 469-470

Located about 10.5 mi. S. of Yosemite Village and 5.0 mi. NE. of Wawona, in Yosemite Park on small thinly timbered top on Horse Ridge.

Station reached by helicopter.

Station mark: Shallow drill hole in small rock.

Signal: White flag over red fluorescent X-tgts. centered over station mark.

Signal data:	Top white flag	11.0 ft.
	Bottom white flag	8.0
	Top red X-tgt.	6.2
	Bottom red X-tgt.	4.0

Image point No. 1: South side of tree, 114 ft. from station mark and 2.0 ft. lower in azimuth 335°01'42".

Image point No. 2: Small lone tree, 61 ft. from station mark and 0.2 ft. lower in azimuth 237°17'.

Image point No. 3: Large tree, 27 ft. from station mark and 0.5 ft. higher in azimuth 251°00'.

Photo No. 1-143 VJS

CALIFORNIA ZONE 3
X=2,258;510.
Y= 401,019.

V.A. elevation 8024. ft.

Latitude: 37°35'52.84"

Longitude: 119°36'27.73"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Signal Peak L.O.	56°49'56."	236°45'07."	45,680.
Crane Flat	133 54 09.	313 46 23.	85,038.

11/9/56 mk ✓

FILE COPY

HENNESS RIDGE L.O.H. Mariposa County Calif. (437)

C. N. Mortenson; 1945
S. H. Schroeder, 1956 1927 N.A.D. (Revised 1953)

Books: H247-248; PH 469-470

FILE COPY

Described 1947, revised 1953 "SONORA AND MARIPOSA 30' QUADRANGLES" multilith as follows:

"Located on Henness Ridge, about 2 mi. S. and 4 mi. E. from El Portal.

"To reach from Mariposa, take State Highway 140 into Yosemite Park, near lower end of Yosemite Valley; turn right onto Wawona Road and go to Chinquapin Ranger Station; go 0.5 mi. past Ranger station and turn right onto rd. to Henness Ridge Lookout; go 1.7 mi. to lookout and station.

"Station mark and signal: Center of National Park Service Lookout house.

"Reference mark No. 1: Standard reference mark tablet stamped "HENNESS NO 1 1945", cemented in large granite rock, 47.86 ft. from station mark in azimuth 5°44'.

"Reference mark No. 2: Standard reference mark tablet stamped "HENNESS NO 2 1945", cemented in large granite boulder, 65.9 ft. from station mark in azimuth 223°02'."

Note by S.H.S., 1956: Station found as described with noted exceptions:

The reference marks are stamped "HENNESS RIDGE NO 1 1945", "HENNESS RIDGE NO 2 1945" (Both marks in good condition).

Station mark. and signal: Center of L.O.H.

Signal data: Top L.O.H. 33.2 ft.
Top eaves 28.2
Floor of L.O. 18.7

Image point No. 1: Oak tree, 55.2 ft. from station mark and 5.4 ft. lower in azimuth 17°21'.

Image point No. 2: Cedar tree, 57.6 ft. from station mark in azimuth 221°05'.

Photo No. 2-87 VJS

FILE COPY

CALIFORNIA ZONE 3
X=2,225;658.7
Y= 415,640.8

V.A. elevation 6340.5 ft.(ground)
(1956)

Latitude: 37°38'20.307" Longitude: 119°43'14.410"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log Meters</u>	<u>Miles</u>
Signal Peak L.O.	7°48'35.12"	187°47'53.65"	4.0893933	7.634
Buckingham	43 20 14.34	223 15 13.93	4.2461027	10.951
Trumbull	110 38 36.36	290 33 24.65	4.1257720	8.301
(n)Crane Flat L.O.	146 57 49.	326 54 11.	4.204041	9.940

(n)=Not occupied

11/9/56 mk ✓

FILE COPY

EL CAPITAN

Mariposa County

Calif. (437)

C. F. Urquhart, 1905 (n)

1927 N.A.D. (Unadj.)

S. H. Schroeder, 1956 (Not occupied)

Books: A244-247; PH 469-470

Described in Bul. 310, page 138 as follows:

"On the highest point of El Capitan, nearest the bluff. The Eagle Peak trail continues on to this mountain.

"Station mark: A cairn on highest point".

Intersected by USGS in 1956.

CALIFORNIA ZONE 3

X=2,249,678.

V.A. elevation 7569. ft. (1956)

Y= 450,536.

Latitude: 37°44'03.22"

Longitude: 119°38'11.80"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Feet</u>
Eagle Point (VA 7773)	236°56'00"	56°56'51."	7,903.
Sentinel Dome (VA 8117)	284 38 48.	104 40 46.	15,938.

(n)=Not occupied

11/9/56 mk ✓

FILE COPY

Station: RAYMOND

County: Mariposa

State: Calif. (437)

Observer: C.F. Urquart

Year: 1908

Datum: 1927 N.A. (Adjusted 1954)

Description: W.E. Burton

1952

Books: A-1401-1415; PH 207-208

FILE COPY

Original description in Bulletin 440, page 112.

New description by W.E.B., 1952, as follows:

Located about 16.0 mi. (airline) south of Yosemite, 5.5 mi. (airline) ESE of Wawona, on highest point of Mt. Raymond. ???

To reach from Fish Camp Store, drive north on State Hwy. 41 for 0.3 mi.; turn right onto F.S. Rd. at sign; "2 3/4 BUFFIN MEADOW, 8 STAR LAKE, 5 MT. RAYMOND MILL, 3 RAINIER GREEN" and go 0.1 mi.; take right fork for 0.1 mi.; take left fork for 1.2 mi.; take right fork for 1.1 mi.; take left fork for 1.6 mi.; go straight ahead at T-jct. for 0.4 mi. to F.S. sign: "STAR LAKES 3" and continue for 0.6 mi. to switchback and E.T.T. Pack north up steep slope to main E.-W. ridge; thence east up main ridge to bald top and station. (A 1 1/2-hour pack.)

Station Mark: Standard tablet, stamped "RAYMOND 1952", cemented in drill hole in rock outcrop.

Ref. mark no. 1: Copper nail with washer cemented in drill hole in rock, 17.25 ft. from station mark in true azimuth 273°55'.

Ref. mark no. 2: Copper nail with washer in wooden peg driven in drill hole in rock, 16.50 ft. from station mark in true azimuth 334°00'.

ELEVATION: 8416.341 ft. (Third-order leveling by G. Brumund, 1934)

CALIF. ZONE 3 X=2,272,007.7 Y=370,034.9

[Latitude 37 30 45.201

Longitude 119 33 43.874]

To Station—	Azimuth	Back Azimuth	Distance feet
Deadwood	26 14 20.57	206 09 52.12	80738.95
Miami L.O.	57 21 46.64	237 15 07.96	62788.55
Signal Peak L.O.	96 48 54.10	276 42 25.22	51803.32
Buena Vista	203 55 25.77	23 57 05.60	32509.74
Red 2	220 49 15.68	40 54 53.20	68081.10
Madera (USBR)	260 28 35.56	80 35 29.79	55542.80
Shuteye (C&GS)	326 31 14.03	146 36 09.36	71124.02
Goat Mtn.	357 30 17.25	177 30 45.00	87605.28

5-5-54 am

NGS ACRN: HR 2887
SEE NGS DATA BASE FOR "RAYMOND RESET"

STATION POSITION PLOTS TO A MOUNTAIN ABOUT 1.0 MILE NW OF MT. RAYMOND, SEE 1956 15' MAP. DEK 1994

ACRN=HR2887 ***** BENCH MARK DESCRIPTION *****
 DESIGNATION--RAYMOND RESET STATE--CA COUNTY--MARIPOSA
 QUAD--0371194 QSN-- LATITUDE= 373045N LONGITUDE= 1193347W
 MONUMENT BY--USGS YR--1952 MARK TYPE--TRIANGULATION STATION DISK
 RECOVERY BY--USGS DATE--1952 CONDITION--NOT FOUND
 STAMPING--

NO DESCRIPTION AVAILABLE IN DATABASE

LAT-N373045.02875 LON-W1193347.38691 SOURCE/ORDER/DATUM-A 3 83 ADJID-17550
 LAT-N373046. LON-W1193344. SOURCE/ORDER/DATUM-S 4 27 ADJID-
 LAT-N373045.02341 LON-W1193347.39657 SOURCE/ORDER/DATUM-X 3 83 ADJID-16815
 ELEVATION--2565.31 SOURCE/ORDER/DATUM-H 29 ADJID-16815

HORIZONTAL BLUEBOOK DESCRIPTION

*10*082D *11*N3711942 *12*D55 *13*
 *14*RAYMOND *15*CA/MARIPOSA
 *20*2/USGS *21*1908 *22*5
 *40*SEE 1952 RECOVERY FOR DESCRIPTION.
 40#
 *40*STATION MARK--STANDARD TABLET SET IN SOLID ROCK UNDER CENTER OF
 *40*CAIRN.
 40##
 *10*082R *11*N3711942 *12*D55 *13*
 *14*RAYMOND *15*CA/MARIPOSA
 *24*2/USGS *25*1952 *26*N
 30 DEADWOOD SSWV 00000
 *30*N75 RAYMOND RM 1 E H17.26 24740
 *30*N75 RAYMOND RM 2 SSEH16.50 30745
 30##
 *40*RECOVERED AS DESCRIBED BY USGS EXCEPT STATION MARK WAS NOT FOUND.
 *40*NEW TABLET WAS SET IN ORIGINAL DRILL HOLE.
 40#
 *40*LOCATED ABOUT 16 MI S. OF YOSEMITE, 5.5 MI ESE. OF WAWONA. ON
 *40*HIGHEST POINT OF MT. RAYMOND.
 40#
 *40*TO REACH FROM FISH CAMP STORE, DRIVE 0.3 MI N. ON STATE HWY. 41.
 *40*TURN RIGHT ON FOREST SERVICE RD. AT SIGN 2-3/4 BUFFIN MEADOW, 8
 *40*STAR LAKE, 5 MT. RAYMOND MILL, 3 RAINIER GREEN AND GO 0.1 MI.
 *40*TAKE RIGHT FORK 0.1 MI. TAKE LEFT FORK 1.2 MI. TAKE RIGHT FORK
 *40*1.1 MI. TAKE LEFT FORK 1.6 MI, GO STRAIGHT AHEAD AT T-JCT. 0.4 MI
 *40*TO FS SIGN STAR LAKES 3 AND CONTINUE 0.6 MI TO SWITCHBACK AND
 *40*END OF TRUCK TRAVEL. PACK N. UP STEEP SLOPE TO MAIN E.-W. RIDGE.
 *40*GO E. UP MAIN RIDGE TO BALD TOP AND STATION. A 1-1/2 HOUR PACK.
 40#
 *40*STATION MARK--STANDARD TABLET STAMPED---RAYMOND 1952---, CEMENTED
 *40*IN DRILL HOLE IN ROCK OUTCROP.
 40#
 *40*RM 1---COPPER NAIL AND WASHER CEMENTED IN DRILL HOLE IN ROCK.
 40#
 *40*RM 2---COPPER NAIL AND WASHER IN WOODEN PEG DRIVEN IN DRILL HOLE
 *40*IN ROCK.
 40##

THIS STATION IS NOT ON MT. RAYMOND.

SE

Station: STARR KING (not occupied)

County: Mariposa

State: Calif. (437)

Observer: C.F. Urquhart

Year: 1905

Datum: 1927 N.A. (Unadjusted)

Description: D.R. Steele

1952

FILE COPY

Books: A244-47; PH 207-208

Original description by C.F. Urquhart in Bulletin 310, p. 140.

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

Located about 14.0 mi. (airline) NE of Wawona and 5.0 mi. (airline) SE of Yosemite, on highest point of Mt. Starr King. (It is impossible to climb this point without the assistance of rock climbing gear.)

Station mark and signal: Cairn.

V.A. ELEV.: 9092.3 ft. (By U.S.G.S., 1952)

CALIF. ZONE 3

X=2,284,521.

Y= 439,471.

[Latitude 37 42 10.43

Longitude 119 30 59.51]

To Station—	Azimuth ° ' "	Back Azimuth ° ' "	Distance	
			Log. Meters	Miles

5-10-54 am ✓

FILE COPY

United States
Department of the Interior

Geological Survey
Form No. 9-322.3 Rev. 1977

Description
Horizontal Control Station

NGS Quad No. 37 119 42
USGS Quad No. 437

Station VALLEY USGS

Diagram MARIPOSA

County MARIPOSA

State CA

THIRD order TRIANGULATION

Established By USGS

Year 1905

Project A244-7

USGS UNADJUSTED 1983 coordinates

Latitude: N37 44 38.851

Longitude: W119 35 19.740

Vertical Angle Elevation: 3960.0 Feet 1207.0 Meters

UTM Zone 11(Meters): X: 271896.06 Y: 4180376.46

Mapping Angle: -1 35 7

CA State Zone 3(Feet): X: 2263463.35 Y: 454270.24

Mapping Angle: +0 33 28

CA State Zone 4(Feet): X: 1829711.07 Y: 878213.57

Mapping Angle: -0 21 5

LOCATED IN YOSEMITE VALLEY, ON NORTH SIDE OF JCT. OF RDS. TO CAMP
YOSEMITE AND MIRROR LAKE, ABOUT 50 YARDS FROM BRIDGE OVER MERCED
RIVER, NEAR SENTINEL HOTEL.

TO REACH NOT GIVEN.

STATION MARK: ALUMINUM PLUG STAMPED "USGS BM", IN TOP OF
CONCRETE PIER 2-1/2 FT HIGH, 20 BY 20 INCHES AT BASE, 12 BY 12
INCHES AT TOP, UNDER ALUMINUM PLATE, 1/2-INCH THICK BY 4-1/2
INCHES WIDE AND 7 INCHES LONG.

RMS: NONE SET.

FILE COPY

DEC 6 1983

~~PH~~ 1-55A

Mariposa County

Calif. (437)

W. H. Chapman

INACTIVE ~~FILE~~ 1952

1927 N.A.D. (unadjusted)

Books: PH 207-208

Located about 8.5 mi. (airline) NE of Wawona, 7.5 mi. (airline) SE. of Yosemite, on NW. end of NE.-SW. ridge and 18 ft. SW. of pine tree with triangular blaze.

To reach from Parkers High Sierra Pack Station, ride up Fernandez trail for 6 hours to Moraine Meadow, thence N. for 1 hour on Merced Pass Trail to Red Peak Trail and Illilouette Creek Trail, go down Illilouette Trail for approximately 4.0 mi. to where stream comes into Illilouette Creek from W., turn left (W.), cross creek and proceed up slope to highest point of ridge and station.

STATION MARK AND SIGNAL: Copper nail with washer in wooden stake flush with ground.

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

SIGNAL DATA: Top red flag 13.2 ft.
Between red/white 9.6 "
Bot. white flag 6.6 "

CALIF. ZONE 3
X=2,288,022.
Y= 424,192.

V. A. ELEVATION: 7981 feet

Latitude 37°39'39.01"

Longitude 119°30'17.98"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log.Meters</u>
Buena Vista			3.87263
Starr King			3.68027
Clouds Rest	187°04'38"	7°05'14"	4.07798
Clarks Peak	239 47 12	59 50 02	3.89716
Red 2			3.93249

12/4/52 cg✓

FILE COPY

SIGNAL PEAK LOOKOUT

Mariposa County

Calif.(437)

C. N. Mortenson, 1945
 USC&GS, 1950
 W. E. Burton, 1952
 S. H. Schroeder, 1956

1927 N.A.D.(Adj. 1954)

Books: H247-248; PH 207-208; PH 469-470

CONTINUED FROM PAGE 1

Latitude: 37°31'45.498" Longitude: 119°44'22.400"

<u>To Station</u>	<u>Azimuth</u>	<u>Back Azimuth</u>	<u>Log Meters</u>	<u>Miles</u>
Miami Lookout	1°56'57.37"	181°56'47.08"	4.0864643	40,035.80
Clouds Rest (VA BM 9929)	219 51 50.53	40 01 03.13	4.5383957	113,339.15
Red 2	244 34 52.03	64 46 59.12	4.5098540	106,129.99
Buena Vista	249 51 11.60	69 59 20.69	4.3215084	68,784.83
Madera(USBR)	268 15 04.38	88 28 27.68	4.5103781	106,258.17
Raymond	276 42 25.22	96 48 54.10	4.1983734	51,803.32
Iron	283 21 58.99	103 31 09.12	4.3582970	74,865.41
Shuteye(C&GS)	305 43 25.02	125 54 48.56	4.5326063	111,838.28
Deadwood	348 33 45.56	168 35 45.06	4.3877997	80,127.93

FILE COPY

At?

11/9/56 mk ✓

FILE COPY

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
209 Yosemite National Park Post Office, 0.4 miles east of; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.7 miles east along Old Village - Mirror Lake Road; 450 feet south- east of intersection of Camp 9 road and road to Mirror Lake, 350 feet southeast of center of 20 inches in diameter galvanized iron pipe culvert under Old Village - Mirror Lake Road, 8 feet south of 5.5 feet in diameter Yellow Pine tree on southedge of said road opposite another 5.5 ft. in diameter Yellow Pine tree on north edge of said road. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3991.178 ft.) T.B.M. S 24 - 2	37 44 35.83	119 33 37.39	826
9 T.B.M. 93 - 2, Previously described. Tie point. Closure error	37 44 36.99	119 33 20.86	1332
14 T.B.M. 93 - 4, Previously described.	37 44 22.15	119 33 32.40	
FROM STATION 14, T.B.M. 93 - 4 TO STATION 35, T.B.M. S 9 - 2.			
214 Mirror Lake, 1 mile southwest of; thence 0.2 miles west along road; 2 feet north of 2.5 feet in dia- meter Pine tree, 52 feet south of center line of road, 12 feet north- east of 3 feet in diameter pine tree, 24 feet southeast of 3 feet in diameter Pine tree, 270 feet northeast of north end of west side of bridge. Copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3983.619 ft.) T.B.M. "F"	37 44 22.95	119 33 46.27	1116

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
216 Mirror Lake, 1 mile southwest of; thence 0.3 miles west along road; 150 feet southwest of south end of east side of bridge, 24 feet southeast of center line of road, 2 feet southeast of 4 feet in diameter Cedar tree. Iron bolt and washer cemented in threaded $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary benchmark. (Elev. 3981.520 ft.) T.B.M. "E"	37 44 21.50	119 33 51.95	479
35 T.B.M. S 9 - 2, Previously described, tie point. Closure error	37 44 18.05	119 33 58.23	613
FROM STATION 38 T.B.M. S 9 - 5 TO STATION 232 U.S.B.M. 3960.			
38 T.B.M. S - 9 - 5 Previously described.	37 44 23.15	119 34 18.46	
220 Ahwahnee Hotel, 0.25 miles south of; Stoneman Bridge, 0.15 miles northwest of, 25 feet southwest of center line of road to Stoneman Bridge, 2.5 feet southeast of 3.5 feet in diameter Oak tree with 4 forks, 26 feet south of "Camp 7" sign, in southwest angle of intersection of Camp 7 and Camp 15 roads and of road to Stoneman Bridge. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3966.395 ft.) T.B.M. S 25 - "D"	37 44 31.67	119 34 27.60	1132

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
BM. 28-S USGS BM. 28S, 1905 (USGS Bulletin 766, p. 453) Yosemite Valley, at power house, 40 ft. S. of trail to Vernal Falls, 40 ft. N. of Power house bridge, 30 ft. N. of rd., large granite boulder; aluminum tablet stamped "4034 B" (Bull. 342. p., 117) (Elev. 4034.061 ft.) Note:—Tablet set with face vertical in rock stamped "4034 B 28S 1905" in good condition and apparently undisturbed. USGS BM 28S 1905	37 43 51.27	119 33 26.50	3160
27 Happy Isles Bridge, 0.15 mi. NW. of, about 324 ft. SW. of SW. end of bridge, 36 ft. SW. of intersection of center line of Happy Isles - Camp Curry Road and center line of rd. bearing SE. 15 ft. NW. of center line of Happy Isles - Camp Curry Road, 0.5 ft. SE. of base of Rock 2 ft. by 3 ft. by 3 ft. high situated at base of 2 pine trees. Copper nail and washer cemented in $1\frac{1}{2}$ -in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 4018.065 ft.) T.B.M. 28S - 1	37 43 57.24	119 33 31.47	723
29 Happy Isles Bridge, 0.25 mi. NW. of, about 985 ft. NW. of SW. end of bridge, 22 ft. S. of center of Happy Isles - Camp Curry Road, 45 ft. S. of 5 ft. in diameter pine tree, 102 ft. SW. of 4 ft. square opening Culvert, 24 ft. NW. of base of granite boulder 8 ft. by 10 ft. by 4 ft. high. Chiseled cross in center of 2.5 ft. in diameter cast iron manhole cover set in concrete collar 4 ft. square protruding 0.5 ft. above ground, being a temporary bench mark. (Elev. 4014.231 ft.) T.B.M. 28S - 2	37 43 59.65	119 33 37.98	577

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
31 Happy Isles Bridge, 0.35 mi. NW. of, about 1700 ft. NW. of SW. end of bridge, 14 ft. N. of center of Happy Isles - Camp Curry Road, 96 ft. NE. of base of 10 ft. by 12 ft. by 10 ft. high granite boulder, 2.5 ft. W. of base of Pine tree 4 ft. in diameter. Iron bolt and washer cemented in $1\frac{1}{2}$ -in. in diameter galvanized iron pipe set flush with ground being a temporary bench mark. (Elev. 4001.843 ft.) T.B.M. 288 - 3	37 44 03.87	119 33 43.77	631
33 Happy Isles Bridge, 0.45 mi. NW. of, 57 ft. SW. of center of Happy Isles Camp Curry Road, 150 ft. N. of edge of Rock Quarry, 4.5 ft. NW. of 8 ft. by 13 ft. by 6 ft. high granite boulder, 3 ft. SE. of 1.8 ft. in diameter oak tree. Bronze Tablet set in concrete Monument, protruding 0.1 ft. above ground, stamped "S9 1933 3989 TT", being a Permanent Bench Mark. (Elev. 3989.054 ft.) P.B.M. S9	37 44 06.93	119 33 52.34	754
34 Happy Isles Bridge, 0.5 mi. NW. of about 1225 ft. NW. of SW. end of bridge along rd., 15 ft. NE. of intersection of Happy Isles - Camp Curry Road and Road to Camp 11 bearing NE., 390 ft. NW. of 1.5 ft. in diameter galvanized iron pipe culvert, 68 ft. E. of N. end of 1.5 ft. in diameter galvanized iron pipe culvert, 4 ft. SW. of camp 11 sign post, in log triangle, at its SW. inside corner. Iron bolt and washer cemented in $1\frac{1}{2}$ -in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3987.751 ft.) T.B.M. S9 - 1	37 44 09.89	119 33 53.43	311.8

INACTIVE FILES

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

YOSEMITE VALLEY NATIONAL PARK (Contd.)

9-776

1927 N.A.D.

STATION	LATITUDE " "	LONGITUDE " "	DIST. BET. STATIONS Feet
35. Happy Isles Bridge, 0.7 mi. NW. of, 32 ft. SW. of 18-in. in diameter galvanized iron pipe culvert, 28 ft. SE. of 18-in. in diameter galvanized iron pipe culvert, 23 ft. S. of inter- section of center of Happy Isles - Camp Curry Road and center of Mirror Lake Road bearing NE., 1.5 ft. N. of 2 ft. in diameter oak tree. Copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3922.942 ft.) (Set. point) T.B.M. S9 - 2	35 44 18.05	119 33 58.23	911.0
37. Happy Isles Bridge, 0.8 mi. NW. of, 66 ft. N. of center of Camp Curry - Happy Isles Road, 132 ft. NW. of intersection of center of Camp Curry - Happy Isles Road and center of rd. to Camp 11, 2 ft. SE. of base of 4.5 ft. in diameter oak tree; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3976.071 ft.) T.B.M. S9 - 3	37 44 23.08	119 34 03.45	659
T.B.M. S9-4 37"A" Happy Isles Bridge, 0.9 mi. NW. of, 630 ft. E. of intersection of center of Happy Isles - Camp Curry Road, and center of approach to S. end of Stoneman Bridge, 25 ft. N. of center of Happy Isles - Camp Curry Road, 2 ft. SW. of 2-ft. in diameter lone pine tree; copper nail and washer cemented in 1½-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3969.882 ft.) T.B.M. S9-4	37 44 23.71	119 34 12.29	713

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE " "	LONGITUDE " "	DIST. BET. STATIONS Feet
38 Happy Isles Bridge, 1 mi. NW. of about 300 ft. S. of Stoneman bridge, 75 ft. NE. of intersection of center of Camp Curry - Happy Isles Road and center of approach to S. end of Stoneman Bridge, 1 ft. S. of 5.5 ft. in diameter pine tree, 20 ft. N. of center of Camp Curry - Happy Isles Road; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3971.412 ft.) T.B.M. S9 - 5 (Jet. Point)	37 44 23.15	119 34 18.46	499
40 Camp Curry, directly in front of, 153 ft. NW. of back of stone fire place of Camp Curry Store, 3.5 ft. N. of Camp Curry flag pole, 56 ft. N. of 6.5 ft. in diameter pine tree, 31 ft. N. of center of rd., 26 ft. W. of 1 ft. in diameter oak tree; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3979.359 ft.) T.B.M. S9 - 6	37 44 16.72	119 34 14.37	729
41 U.S.G.S. BM. Sta. No. 16, S. side of rd., near W. end of Camp Curry, in E. end of S. guard wall of culvert No. 357; bronze tablet stamped. <u>Elevation 3983.299 ft.</u> (U.S.G.S. Bulletin 756, p. 451) Tie point.			
Note:-Tablet stamped " <u>3983 B 1919</u> " ("1919" stamped by us in field) U.S.G.S. BM. Sta. No. 16	37 44 16.81	119 34 23.69	748.9

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
FROM STATION 41 TO STATION 95 U.S.G.S. BM No. 16 TO U.S.G.S. PBM 180			
41 U.S.G.S. BM. Sta. No. 16 (Previously described, above.)	37 44 16.81	119 34 23.69	
42 Camp Curry, 0.23 mi. W. of, 1.5 ft. SE. of 1-ft. in diameter cedar tree, 62 ft. E. of end of ski jump, 65 ft. NE. of telephone pole, 52 ft. SW. of 3-ft. in diameter oak tree; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3979.147 ft.) T.B.M. 16 - 1	37 44 17.67	119 34 28.40	388.3
44 Happy Isles Bridge, 1.25 mi. NW. of, along Old Village rd., 72 ft. S. of center of rd. to Happy Isles, 1.4 ft. NW. of 2-ft. in diameter pine tree, 6 ft. W. of 3-ft. in diameter pine tree, 8.5 ft. SE. of 2.5 ft. in diameter pine tree, 30 ft. N. of center of old rd. bearing E. and W., 96 ft. E. of row of granite boulders on S. side of Happy Isles Road; iron bolt and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3980.427 ft.) T.B.M. 16 - 2	37 44 19.60	119 34 32.93	413
46 Camp Curry, about 0.46 mi. NW. of, 2 ft. NW. of 6-ft. in diameter double pine tree, 28 ft. S. of center of rd. to Camp Curry, 105 ft. NE. of granite boulder, 30 ft. by 75 ft. by 30 ft. high, about 200 ft. E. of Church; iron bolt and washer cemented in 1½-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3986.026) T.B.M. 16 - 3	37 44 23.12	119 34 39.82	658

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>47 Happy Isles Bridge, 1.45 mi. NW. of, 0.42 mi. NW. of Stoneman Bridge, 110 ft. W. of intersection of center of Camp 16 rd. and center of Happy Isles Road, 110 ft. W. of Camp 16 sign post 2.5 ft. SE. of 3 ft. in diameter cedar tree, 5 ft. SE. of 4-ft. in diameter pine tree, 18 ft. N. of center of Happy Isles Road, 28 ft. N. of 3-ft. in diameter oak tree, 75 ft. NE. of granite boulder 20 ft. by 35 ft. by 20 ft. high; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground being a temporary bench mark. (Elev. 3974.440 ft.) T.B.M. 16 - 4</p>	37 44 26.94	119 34 44.30	528.0
<p>48 Happy Isles Bridge, about 1.55 mi. NW. of, along old Village Road, 1.5 ft. N. of 4-ft. in diameter pine tree, 18 ft. S. of center of Happy Isles Road, 62 ft. W. of cedar tree 9 ft. in diameter at base, 60 ft. E. of intersection of Happy Isles Road and Road bearing N., said rd. bearing N. being a fill penetrated by a triple 18-inches in diameter galvanized iron pipe culvert 60 ft. N. of its intersection with Happy Isles Road; iron bolt and washer cemented in 1½-in. in diameter threaded galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3967.749 ft.) T.B.M. 16 - 5</p>	37 44 28.54	119 34 51.53	602.6

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
50 Happy Isles Bridge, 1.70 mi. NW. of, along Old Village Road, 1.5 ft. SE. of granite boulder 5 ft. by 9 ft. by 6 ft. high, 22 ft. SW. of 4.5 ft. in diameter oak tree, 36 ft. SE. of 3.5 ft. in diameter cedar tree on bank of Merced river, 16 ft. NW. of center of Happy Isles Road, 72 ft. W. of 6 ft. in diameter cedar tree; bronze tablet in concrete monument stamped " <u>S10, 1933-3965 TT</u> "; set flush with ground being a permanent bench mark. (Elev. 3965.371 ft.) P.B.M. S 10	37 44 31.45	119 34 59.00	668
55 Junction transit point	37 44 35.34	119 35 21.13	1820
57 U.S.G.S. BM. 27S 1905 (USGS Bulletin 766, p. 447) Yosemite Valley, directly opposite Guardians office, at E. margin of rd., top of large granite rock, aluminum tablet stamped " <u>3964 B</u> " (Elev. 3964.256 ft.)			
Note: -Add "At Old Village" to this description, bench mark in good condition and apparently undisturbed. Tablet stamped " <u>27S 1905 B 3964</u> " USGS BM 27S 1905	37 44 32.35	119 35 25.07	438
59 At Old Village, 138 ft. NW. of front door of Church, 1 ft. SE. of 7.5 ft. in diameter oak tree, 24 ft. SE. of center of rd. through Old Village, 38 ft. SW. of 6 ft. in diameter oak tree, 2.15 mi. NW. of Happy Isles Bridge; iron bolt and washer cemented in 1½-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3957.844 ft.) T.B.M. S10 - 1	37 44 29.37	119 35 26.97	338

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>60"B"</p> <p>Happy Isles Bridge, 2.3 mi. NW. of, along old Village Road, 33 ft. NW. of center of rd. to Old Village, 2 ft. SE. of 3-ft. in diameter cottonwood tree, 150 ft. NE. of NW. parapet of 24-in. in diameter galvanized iron pipe culvert; iron bolt and washer cemented in $1\frac{1}{2}$-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3956.941 ft.) T.B.M. S10 - 2</p>	37 44 23.75	119 35 33.53	776
<p>(1) Happy Isles Bridge, 2.3 mi. NW. of, along Old Village Road, about 108 ft. SW. of U.S.B.P.R. bench mark (a brass cap on 2-in. in diameter galvanized iron pipe stamped "238 14.60 3963.57 ft. 1928") 90 ft. SW. of SE. end of 24-in. in diameter galvanized iron pipe culvert 28 ft. SE. of center of rd. to Old Village, 2.5 ft. N. of 3 ft. in diameter leaning oak tree with fire blaze on S. side, 115 ft. NW. of 6-ft. in diameter pine tree, bronze tablet in concrete monument set flush with ground stamped "S11 1933 3964 TT", being a permanent bench mark. (Elev. 3964.377 ft.) P.B.M. S 11 CALIF. ZONE 3 X=2,261,222. Y= 451,723.</p>	37 44 13.88	119 35 47.95	1529

INACTIVE FILES

YOSEMITE VALLEY NATIONAL PARK (Contd.)

9-778

1927 N.A.D.

STATION	LATITUDE " "	LONGITUDE " "	DIST. BET. STATIONS Feet
<p>63 Happy Isles Bridge, 2.75 mi. NW. of, along Old Village Road, 20 ft. SE. of center of rd. to Old Village, 42 ft. W. of 5.5 ft. in diameter cedar tree; 42 ft. SW. of 5.5 ft. in diameter pine tree 3 ft. SW. of 6 inches in diameter cedar tree, 14 ft. NW. of 6-in. in diameter pine tree; iron bolt and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3969.067 ft.) T.B.M. S 11 - 1</p>	37 44 07.12	119 35 57.64	1027
<p>64 Happy Isles Bridge, 2.75 mi. NW. of, along Old Village rd., 33 ft. SE. of center of rd. to Old Village, 50 ft. S. of intersection of center of rd. to Old Village and rd. to Glacier Point Trail, 31 ft. W. of granite boulder 6 ft. by 12 ft. by 3 ft. high, 28 ft. SW. of center of rd. to Glacier Point Trail; iron bolt and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3968.662 ft.) T.B.M. S 11 - 2</p>	37 44 01.86	119 36 03.10	689.3
<p>Happy Isles Bridge, 3 mi. W. of, along Old Village Road, 52 ft. NW. of intersection of center of rd. to Giant Yellow Pine tree and center of rd. to Old Village, 14 ft. SE. of 3 ft. in diameter oak tree, 100 ft. SW. of center of W. parapet of concrete culvert, 75 ft. N. of 2 ft. in diameter pine tree; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3969.167 ft.) T.B.M. S 11 - 3</p>	37 43 58.80	119 36 08.78	551.8

INACTIVE FILES

9-778

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	Dist. Bet. Stations Feet
<p>68 Happy Isles Bridge, 3.1 mi. W. of, along Old Village Road, 3 ft. N. of 1.5 ft. in diameter cedar tree, 6 ft. W. of 1 ft. in diameter cedar tree, 23 ft. W. of center of rd. to Old Village, 48 ft. NW. of 4 ft. in diameter cedar tree situated at E. edge of rd. to Old Village, 43 ft. NW of 2 ft. in diameter oak tree situated at W. edge of rd. to Old Village; iron bolt and washer cemented in 1½-in. in diameter threaded wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3973.173 ft.) T.B.M. S 11 - 4</p>	37 43 54.02	119 36 13.48	613.5
<p>69 "c" Happy Isles Bridge, 3.25 mi. W. of, along Old Village Road, 25 ft. SE. of center of rd. to Old Village, 54 ft. SW. of 4.5 ft. in diameter Oak tree, 30 ft. NW. of 4 ft. in diameter cedar tree, 85 ft. S. of 2 five ft. in diameter cedar trees; U.S.B.P.R. bench mark, a brass cap on 2-in. in diameter galvanized iron pipe stamped "194 + 09.62, 3973.87 ft., 1926", 0.1 ft. above ground, protected by 2 granite rocks 10-in. by 10-in. by 10-in. high, being a temporary bench mark. (Elev. 3973.855 ft.) T.B.M. S 11 - 5</p>	37 43 41.56	119 36 20.90	1395
<p>70 Happy Isles Bridge, 3.3 mi. W. of along rd. passing through Old Village, 3.0 ft. SE. of 3.5 ft. in diameter pine tree, 24 ft. SE. of center of rd. to Old Village, 35 ft. SW. of 4 ft. in diameter cedar tree, 60 ft. SE. of 5 ft. in diameter hollow cedar tree; bronze tablet in concrete monument protruding 0.2 ft. above ground, stamped "S 12 1933 3972 TT", being a permanent bench mark (Elev. 3971.513 ft.) R.B.M. S 12</p>	37 43 40.14	119 36 22.90	215

INACTIVE FILES

CALIF. ZONE 3 X=2,258,447. Y=449,263.

Transit Traverse Positions in 1933 on N.A.D.

DEPARTMENT OF THE INTERIOR

also

GEOLOGICAL SURVEY

Preliminary Elevations

By: S.C.Kain, 1933

Books: D966-67

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
71 Happy Isles Bridge, 3.45 miles west of, along Old Village Road, 3 feet northeast of 3 feet in diameter pine tree, 24 feet south of center line of road to Old Village, 51 feet southeast of 6 feet in diameter double oak tree with burl on trunk; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.5 feet above ground, protected by 2 granite rocks 10 inches by 10 inches by 10 inches high, said cap being stamped "184 + 88.00, 3961.53, 1927", being a temporary bench mark. T.B.M. S 12 - 1	37 43 35.88	119 36 31.17	791.8
73 Happy Isles Bridge, 3.55 miles west of, along Old Village Road, 9 feet southwest of 4 feet in diameter cedar tree, 18 feet southeast of center line of road to Old Village, 21 feet northwest of 5 feet in diameter pine tree, 120 feet southwest of 5 feet in diameter pine tree and 4 feet in diameter cedar tree grown together at base and situated at north edge of road to Old Village; copper nail and washer cemented in 2 inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3961.491 ft.) T.B.M. S 12 - 2	37 43 33.26	119 36 39.52	722

INACTIVE FILES

/ JME

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
75 Happy Isles Road, 3.75 miles west of, along old Village Road, 45 feet northwest of center line of Road to Old Village, 54 ft. southwest of row of granite boulders bearing north from road to Old Village, 10 feet east of eight inches in diameter cedar tree, 3 feet southeast of 18 inches in diameter pine tree; bronze tablet in concrete monument protruding 0.2 feet above ground, stamped "S13, 1933, 3969 TT", being a permanent bench mark. (Elev. 3968.650 ft.) P.B.M. S 13 (Reported not found in 1956)	37 43 31.29	119 36 50.75	924
77 Happy Isles Road, 3.9 miles west of, along Old Village Road, 2.5 ft. southeast of 2.5 ft. in diameter pine tree, 10.5 feet east of 1.5 feet in diameter cedar tree, 14 feet southwest of 8 inches in diameter cedar tree, 21 ft. southeast of center line of road to Old Village, 8 feet east of bent 5.5 feet in diameter pine tree, 138 feet southwest of southeast parapet of 30 inches in diameter galvanized iron pipe culvert, 208 ft. southwest of 7 feet in diameter cedar tree on west edge of road to Old Village; copper nail and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3971.995 ft.) T.B.M. S 13 1	37 43 26.02	119 37 01.92	1043
<p>INACTIVE FILES</p>			<p><i>AmE</i></p>

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>78 Happy Isles Bridge, 4.05 miles in general westerly direction from along Road passing through Old Village, 24 feet southeast of center line of road to Old Village, about 210 feet southwest of south parapet of 18 inches in diameter galvanized iron pipe culvert, 3.5 feet east of 2 ft. in diameter pine tree, 19.5 ft. northwest of 8 inches in diameter cedar tree, 19 feet west of double cedar tree 20 inches in diameter at base, 51 feet east of 5 feet in diameter cedar tree at, "El Capitan View" sign on north edge of road to Old Village; copper nail and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark (Elev. 3975.696 ft. T.B.M. S 13-2</p>	<p>37 43 21.43</p>	<p>119 37 10.23</p>	<p>813.0</p>
<p>81 Happy Isles Bridge, 4.3 miles in a general westerly direction from, along road to Old Village, 255 feet southwest of west end of 6 feet in diameter galvanized iron pipe culvert, 3.5 feet southeast of 6 feet in diameter cedar tree, 25 feet southwest of 5 feet in diameter cedar tree, 12 feet northwest of center line of road to Old Village; 36 feet northwest of 4 pine trees grown together at base, 2 being 1 foot in diameter, 1 being 2 feet in diameter, 1 being 1.5 feet in diameter, and located on south side of road to Old Village, 105 feet east of intersection of center line of road to Old Village and center line of road bearing northerly; bronze tablet with concrete monument set flush with ground and stamped 1933, 3970 TT, being a permanent bench mark. (Elev. 3975.776 ft.) P.B.M. S 14</p>	<p>(Not found in 1956) 37 43 18.09</p>	<p>119 37 25.19</p>	<p>1250</p>

INACTIVE FILES

Am

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
84 Happy Isles Bridge, 4.4 miles in a general westerly direction from, along road passing through Old Village, 30 feet northwest of center line of road to Old Village, 220 feet southeast of intersection of center line of El Capitan Bridge Road and center lines of legs of wye, on center line of El Capitan Bridge road produced, in wye 21 feet southwest of 18 inches in diameter cedar tree; 15 feet northwest of 12 inches in diameter cedar tree; iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark (Elev. 3969.110 ft.) (Junction point) T.B.M. S 14-1	37 43 15.70	119 37 37.19	995
86 Happy Isles Bridge, 4.7 miles in a general westerly direction from, along road passing through Old Village, 34 feet southwest of south parapet of 30 inches in diameter galvanized iron pipe culvert, 27 feet southeast of center line of road to Old Village, 1 foot northwest of 18 inches in diameter pine tree, 21 feet southeast of, "Cathedral Rocks" Sign; copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3977.567 ft.) T.B.M. S 14-2	37 43 11.18	119 37 54.96	1499

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INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
89 Happy Isles Bridge, 4.8 miles in a general westerly direction from, along road passing through Old Village, 21 feet east of 5 feet in diameter cedar tree located on north edge of road to Old Village, 18 feet northwest of center line of road to Old Village, 15 feet southwest of Hollow Cedar tree 4.5 feet in diameter, in granite boulder 5 feet square protruding from ground 0.5 feet, on north edge of road to Old Village; bronze tablet cemented in rock in place, stamped "S 15, 1933, 3961 TT" being a permanent bench mark. (Elev. 3960.820 ft.) F.B.M. S 15 (Reported not found in 1956)	37 43 12.76	119 38 02.66	639
92 Happy Isles Bridge, 5 miles in a general westerly direction from, along road passing through Old Village, 4 feet southwest of 3 feet in diameter oak tree, 15 ft. south of center line of road to Old Village, 100 feet east of north point of granite boulder located at south edge of road 20 feet by 30 feet by 30 feet high; copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3968.337 ft.) T.B.M. S 15 - 1	37 43 15.68	119 38 17.53	1231

INACTIVE FILES

Amc

1927 N.A.D.

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>95 U.S.G.S. P.B.M. 180, (U.S.G.S. Bull. 766, pg. 483) Sta. No. 180 p.b.m., El Capitan Bridge, 160 feet east of, 8 feet west of sprinkling station, 7 feet north of north edge of road, on top of 10 foot boulder; bronze tablet, painted on rock, "180". Elevation 3,952.556 feet. Tie Point.</p> <p>Note: -El Capitan Bridge no longer exists, although road crossing of Merced River is still visible, sprinkling station no longer exists; center line of road has been slightly changed; boulder and tablet apparently undisturbed and in good condition; "3952" scratched with sharp pointed instrument in mortar around tablet while mortar was still wet, tablet now situated 10 feet west of 18 inches in diameter oak tree, 25 feet north-west of center line of road to Old Village, 50 feet southeast of center line of Merced River, 150 feet northeast of old river crossing to El Capitan, now abandoned, 5.2 miles in a westerly direction from Happy Isles Bridge, along road passing through Old Village to Pohono Bridge. Tablet stamped by us "3953, 1919". U.S.G.S. PBM 180</p> <p>Closure Error</p>	<p>37 43 18.91</p>	<p>119 38 29.37</p>	<p>1007</p> <p>INACTIVE FILES</p> <p><i>V.M.F.</i></p>

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1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
STATION 95 TO STATION 84 (JUNCTION POINT) P.B.M. 180 TO T.B.M. S 14-1			
95 Previously described	37 43 18.91	119 38 29.37	
96 Happy Isles Bridge, about 5.3 miles in a westerly direction from, along road passing through Old Village, 21 feet northwest of center line of road to Old Village, 30 feet northwest of broken granite boulder 15 feet by 20 feet by 13 feet high, 60 feet southwest of center of northwest parapet of 2 feet by 2 feet rubble box culvert, 2 feet southeast of 3 feet in diameter pine tree, about 90 feet west of telephone pole No. 171; iron bolt and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3937.282 ft.) T.B.M. 180 - 1	37 43 15.96	119 38 37.91	748

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
100 Happy Isles Bridge, 5.45 miles in general westerly direction from, along road passing through Old Village, about 255 feet southwest of northwest parapet of 18 inches in diameter galvanized iron pipe culvert, 11 feet east of 8 inches in diameter cedar tree, 15 feet east of 20 feet by 30 feet by 20 feet high granite boulder, 36 feet northwest of intersection of center line of Old Village Road and center line of road curving off Old Village Road in a southwesterly direction, 114 feet northeast of intersection of center line of road to Old Village and center line of tangent of road bearing northwest; iron bolt and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3934.736 ft.) T.B.M. 180 - 2	37 43 16.03	119 38 47.20	747
101 Junction (transit point.)	37 43 15.06	119 38 48.93	170
102 Happy Isles Road, 5.55 miles in a general westerly direction from, along Old Village Road, 120 feet southwest of center of south parapet of 2 feet in diameter galvanized iron pipe culvert, 36 feet southeast of center line of road to Old Village, 1.5 feet northwest of 20 inches in diameter pine tree, about 60 feet south of intersection of Road to Old Village and old dirt road bearing southeast; iron bolt and washer, cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3929.044 ft.) T.B.M. 180 - 3	37 43 12.52	119 38 52.71	399

INACTIVE FILES

V. J. M. E.

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>105 Happy Isles Bridge, 5.85 miles in a general westerly direction from, along road passing through Old Village, 24 feet east of center of southeast parapet of 26 inches in diameter galvanized iron pipe culvert, about 205 feet southwest of intersection of center line, of south leg of wye to Wawona tunnel and center line of road to Old Village; 3 feet west of 4 feet in diameter cedar tree, 3 feet east of 4 feet in diameter cedar tree, 10 feet south of center line of road to Old Village; bronze tablet in concrete monument set flush with ground stamped "S 16, 1933, 3914 TT", being a permanent bench mark. (Elev. 3913.530 ft.) P.B.M. S 16 (Reported not found in 1956).</p>	37 43 02.45	119 39 07.14	1544
<p>106 Happy Isles Bridge, 6.0 miles in a general westerly direction from, along Road passing through Old Village, 4.5 feet east of 14 inches in diameter Pine tree, 21 feet northwest of center line of road to Old Village, about 175 feet west of Telephone pole No. 207, at row of scattered granite rocks on northwest edge of Old Village Road; copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3924.094 ft.) T.B.M. S 16 - 1</p>	37 43 01.07	119 39 17.60	851.6

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
109 Happy Isles Bridge, 6.10 miles in a general westerly direction from, along road passing through Old Village, 450 feet southwest of intersection of center line of road to Old Village and center line of old road bearing northwest, 60 feet southeast of Rose and Shuborn Monument stone, 25 feet west of center line of road to Old Village; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.5 feet above ground, stamped "29 + 48.14, 3906.64", being a temporary bench mark. (Elev. 3906.478 ft.) T.B.M. S 16 - 2	37 42 59.79	119 39 26.12	697
110 Happy Isles Bridge, 6.30 miles in a general westerly direction from, along road passing through Old Village, 3 feet southeast of the toe of slope of fill, 25 feet southeast of center line of road to Old Village, 48 feet northeast of granite boulder 6 feet by 10 feet by 2 feet high, about 170 feet southwest of center of southeast parapet of 3 feet in diameter galvanized iron pipe culvert; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 1 foot above ground, stamped "22 + 23.75, 3908.51, 4, 1926," being a temporary bench mark. (Elev. 3908.378 ft.) T.B.M. S 16 - 3	37 42 54.71	119 39 34.73	862.1

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INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
111 Happy Isles Bridge, 6.35 miles in a general westerly direction from, along road passing through Old Village, 15 feet northwest of center line of road to Old Village, 2.5 feet south of 2.5 feet in diameter oak tree with old blaze, 65 feet southwest of 3 feet in diameter oak tree with old blaze, 135 feet northeast of double leaning oak tree 7 feet in diameter at base, about 175 feet northeast of center of northwest parapet of 18 inches in diameter galvanized iron pipe culvert; iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3914.652 ft.) T.B.M. S 16 - 4	37 42 54.41	119 39 40.15	436.2
114 Happy Isles Bridge, 6.50 miles in a general westerly direction from, along road passing through Old Village, 2.5 feet southwest of 6 inches in diameter fir tree, 18 feet southwest of center line of road to Old Village, 105 feet east of Fern Spring, 65 feet northwest of 10 feet by 40 feet by 14 feet high granite boulder; iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter threaded wrought iron pipe set flush with ground, being a temporary bench mark (Elev. 3893.589 ft.) T.B.M. S 16 - 5	37 42 53.85	119 39 49.86	782

INACTIVE FILES

/gmc

1927 N.A.D.

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>116 Happy Isles Bridge, 0.05 miles in a general westerly direction from, along road passing through Old Village, 10 feet southeast of southeast end of southwest parapet of Pohono Bridge, said bridge being a rubble arch over Merced River, 5 feet south of 5 feet in diameter pine tree, 24 feet southwest of center line of road to Old Village; bronze tablet in concrete monument set flush with ground, stamped, "S 17, 1933, 3881 TT", being a permanent bench mark. (Elev. 3880.519 ft.) P.B.M. S 17 CALIF. ZONE 3 X=2,241,455. Y= 443,965.</p>	<p>37 42 59.00</p>	<p>119 39 54.89</p>	<p>660</p>
<p>117 Pohono Bridge, 0.02 miles northwest of; Pohono Bridge southwest of parapet, 102 feet northwest of northwest end of, 11 feet northeast of 20 inches in diameter pine tree, north of All Year Highway to Yosemite; U.S.B.P.R. bench mark a brass cap on 2 inches in diameter galvanized iron pipe protruding 1.0 foot above ground, stamped "0 + 87.06, 408+77.06, 3883.04 feet 1920", being a temporary bench mark. (Elev. 3882.894ft.) T.B.M. S 17 - 1</p>	<p>37 43 01.52</p>	<p>119 39 55.02</p>	<p>254.1</p>

INACTIVE FILES

Y 2/11/18

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1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
FROM STATION 199, JUNCTION TO STATION 222, T.B.M. S 23 - 6.			
199 Junction.	37 44 38.37	119 34 22.56	
222 T.B.M. S 23 - 6, Previously described. Tie point. Closure error	37 44 38.09	119 34 31.84	744
FROM STATION 101, JUNCTION, TO STATION 134, T.B.M. S 18-2.			
101 Junction to Station 238, T.B.M. "G"	37 43 15.06	119 38 48.93	
238 Concentration Plant, about 0.3 miles northeast of, 2 feet southwest of 6 feet in diameter lone Yellow Pine tree with knob on west side, 36 feet northwest of center line of road to concentration plant. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe, protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3927.488 ft.) T.B.M. "G"	37 43 17.77	119 38 56.70	538
1 At Concentration Plant, 33 feet southwest of road, 13 feet west of concrete pedestal for pipe brace, 11 feet north of west corner of concrete platform. Bronze tablet in concrete monument stamped "S 27, 1933, 3912 TT" set 0.3 feet below surface of ground and protected by circle of round granite boulders taken from excavation and imbedded in soil. (Elev. 3912.292 ft.) P.B.M. S 27 (Calif. Zone 3) X=2,245,835. Y=445,596.	37 43 14.73	119 39 00.19	538
134 T.B.M. S 18 - 2, Previously described. Tie point. Closure error	37 43 18.05	119 38 59.43	341.2

INACTIVE FILES

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1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
BM. 28-S USGS BM. 28S, 1905 (USGS Bulletin 766, p. 453) Yosemite Valley, at power house, 40 ft. S. of trail to Vernal Falls, 40 ft. N. of Power house bridge, 30 ft. N. of rd., large granite boulder; aluminum tablet stamped "4034 B" (Bull. 342. p., 117) (Elev. 4034.061 ft.) Note: -Tablet set with face vertical in rock stamped "4034 B 28S 1905" in good condition and apparently undisturbed. USGS BM 28S 1905	37 43 51.27	119 33 26.50	3160
27 Happy Isles Bridge, 0.15 mi. NW. of, about 324 ft. SW. of SW. end of bridge, 36 ft. SW. of intersection of center line of Happy Isles - Camp Curry Road and center line of rd. bearing SE. 15 ft. NW. of center line of Happy Isles - Camp Curry Road, 0.5 ft. SE. of base of Rock 2 ft. by 3 ft. by 3 ft. high situated at base of 2 pine trees. Copper nail and washer cemented in $1\frac{1}{2}$ -in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 4018.065 ft.) T.B.M. 28S - 1	37 43 57.24	119 33 31.47	723
29 Happy Isles Bridge, 0.25 mi. NW. of, about 985 ft. NW. of SW. end of bridge, 22 ft. S. of center of Happy Isles - Camp Curry Road, 45 ft. S. of 5 ft. in diameter pine tree, 102 ft. SW. of 4 ft. square opening Culvert, 24 ft. NW. of base of granite boulder 8 ft. by 10 ft. by 4 ft. high. Chiseled cross in center of 2.5 ft. in diameter cast iron manhole cover set in concrete collar 4 ft. square protruding 0.5 ft. above ground, being a temporary bench mark. (Elev. 4014.231 ft.) T.B.M. 28S - 2	37 43 59.65	119 33 37.98	577

INACTIVE FILES

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1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
31 Happy Isles Bridge, 0.35 mi. NW. of, about 1700 ft. NW. of SW. end of bridge, 14 ft. N. of center of Happy Isles - Camp Curry Road, 96 ft. NE. of base of 10 ft. by 12 ft. by 10 ft. high granite boulder, 2.5 ft. W. of base of Pine tree 4 ft. in diameter. Iron bolt and washer cemented in $1\frac{1}{2}$ -in. in diameter galvanized iron pipe set flush with ground being a temporary bench mark. (Elev. 4001.843 ft.) T.B.M. 288 - 3	37 44 03.87	119 33 43.77	631
33 Happy Isles Bridge, 0.45 mi. NW. of, 57 ft. SW. of center of Happy Isles Camp Curry Road, 150 ft. N. of edge of Rock Quarry, 4.5 ft. NW. of 8 ft. by 13 ft. by 6 ft. high granite boulder, 3 ft. SE. of 1.8 ft. in diameter oak tree. Bronze Tablet set in concrete Monument, protruding 0.1 ft. above ground, stamped " <u>S9 1933 3989 TT</u> ", being a Permanent Bench Mark. (Elev. 3989.054 ft.) P.B.M. S9	37 44 06.93	119 33 52.34	754
34 Happy Isles Bridge, 0.5 mi. NW. of about 1225 ft. NW. of SW. end of bridge along rd., 15 ft. NE. of intersection of Happy Isles - Camp Curry Road and Road to Camp 11 bearing NE., 390 ft. NW. of 1.5 ft. in diameter galvanized iron pipe culvert, 68 ft. E. of N. end of 1.5 ft. in diameter galvanized iron pipe culvert, 4 ft. SW. of camp 11 sign post, in log triangle, at its SW. inside corner. Iron bolt and washer cemented in $1\frac{1}{2}$ -in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3987.751 ft.) T.B.M. S9 - 1	37 44 09.89	119 33 53.43	311.8

INACTIVE FILES

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

YOSEMITE VALLEY NATIONAL PARK (Contd.)

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1927 N.A.D.

STATION	LATITUDE " "	LONGITUDE " "	DIST. BET. STATIONS Feet
35. Happy Isles Bridge, 0.7 mi. NW. of, 32 ft. SW. of 18-in. in diameter galvanized iron pipe culvert, 28 ft. SE. of 18-in. in diameter galvanized iron pipe culvert, 23 ft. S. of inter- section of center of Happy Isles - Camp Curry Road and center of Mirror Lake Road bearing NE., 1.5 ft. N. of 2 ft. in diameter oak tree. Copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3920.942 ft.) (Set. point) T.B.M. S9 - 2	35 44 18.05	119 33 58.23	911.0
37. Happy Isles Bridge, 0.8 mi. NW. of, 66 ft. N. of center of Camp Curry - Happy Isles Road, 132 ft. NW. of intersection of center of Camp Curry - Happy Isles Road and center of rd. to Camp 11, 2 ft. SE. of base of 4.5 ft. in diameter oak tree; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3976.071 ft.) T.B.M. S9 - 3	37 44 23.08	119 34 03.45	659
T.B.M. S9-4 37"A" Happy Isles Bridge, 0.9 mi. NW. of, 630 ft. E. of intersection of center of Happy Isles - Camp Curry Road, and center of approach to S. end of Stoneman Bridge, 25 ft. N. of center of Happy Isles - Camp Curry Road, 2 ft. SW. of 2-ft. in diameter lone pine tree; copper nail and washer cemented in 1½-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3969.882 ft.) T.B.M. S9-4	37 44 23.71	119 34 12.29	713

INACTIVE FILES

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STATION	LATITUDE " "	LONGITUDE " "	DIST. BET. STATIONS Feet
38 Happy Isles Bridge, 1 mi. NW. of about 300 ft. S. of Stoneman bridge, 75 ft. NE. of intersection of center of Camp Curry - Happy Isles Road and center of approach to S. end of Stoneman Bridge, 1 ft. S. of 5.5 ft. in diameter pine tree, 20 ft. N. of center of Camp Curry - Happy Isles Road; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3971.412 ft.) T.B.M. S9 - 5 (Jet. Point)	37 44 23.15	119 34 18.46	499
40 Camp Curry, directly in front of, 153 ft. NW. of back of stone fire place of Camp Curry Store, 3.5 ft. N. of Camp Curry flag pole, 56 ft. N. of 6.5 ft. in diameter pine tree, 31 ft. N. of center of rd., 26 ft. W. of 1 ft. in diameter oak tree; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3979.359 ft.) T.B.M. S9 - 6	37 44 16.72	119 34 14.37	729
41 U.S.G.S. BM. Sta. No. 16, S. side of rd., near W. end of Camp Curry, in E. end of S. guard wall of culvert No. 357; bronze tablet stamped. <u>Elevation 3983.299 ft.</u> (U.S.G.S. Bulletin 756, p. 451) Tie point.			
Note:-Tablet stamped " <u>3983 B 1919</u> " ("1919" stamped by us in field) U.S.G.S. BM. Sta. No. 16	37 44 16.81	119 34 23.69	748.9

INACTIVE FILES

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1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
FROM STATION 41 TO STATION 95 U.S.G.S. BM No. 16 TO U.S.G.S. PBM 180			
41 U.S.G.S. BM. Sta. No. 16 (Previously described, above.)	37 44 16.81	119 34 23.69	
42 Camp Curry, 0.23 mi. W. of, 1.5 ft. SE. of 1-ft. in diameter cedar tree, 62 ft. E. of end of ski jump, 65 ft. NE. of telephone pole, 52 ft. SW. of 3-ft. in diameter oak tree; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3979.147 ft.) T.B.M. 16 - 1	37 44 17.67	119 34 28.40	388.3
44 Happy Isles Bridge, 1.25 mi. NW. of, along Old Village rd., 72 ft. S. of center of rd. to Happy Isles, 1.4 ft. NW. of 2-ft. in diameter pine tree, 6 ft. W. of 3-ft. in diameter pine tree, 8.5 ft. SE. of 2.5 ft. in diameter pine tree, 30 ft. N. of center of old rd. bearing E. and W., 96 ft. E. of row of granite boulders on S. side of Happy Isles Road; iron bolt and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3980.427 ft.) T.B.M. 16 - 2	37 44 19.60	119 34 32.93	413
46 Camp Curry, about 0.46 mi. NW. of, 2 ft. NW. of 6-ft. in diameter double pine tree, 28 ft. S. of center of rd. to Camp Curry, 105 ft. NE. of granite boulder, 30 ft. by 75 ft. by 30 ft. high, about 200 ft. E. of Church; iron bolt and washer cemented in 1½-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3986.026) T.B.M. 16 - 3	37 44 23.12	119 34 39.82	658

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>47 Happy Isles Bridge, 1.45 mi. NW. of, 0.42 mi. NW. of Stoneman Bridge, 110 ft. W. of intersection of center of Camp 16 rd. and center of Happy Isles Road, 110 ft. W. of Camp 16 sign post 2.5 ft. SE. of 3 ft. in diameter cedar tree, 5 ft. SE. of 4-ft. in diameter pine tree, 18 ft. N. of center of Happy Isles Road, 28 ft. N. of 3-ft. in diameter oak tree, 75 ft. NE. of granite boulder 20 ft. by 35 ft. by 20 ft. high; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground being a temporary bench mark. (Elev. 3974.440 ft.) T.B.M. 16 - 4</p>	37 44 26.94	119 34 44.30	528.0
<p>48 Happy Isles Bridge, about 1.55 mi. NW. of, along old Village Road, 1.5 ft. N. of 4-ft. in diameter pine tree, 18 ft. S. of center of Happy Isles Road, 62 ft. W. of cedar tree 9 ft. in diameter at base, 60 ft. E. of intersection of Happy Isles Road and Road bearing N., said rd. bearing N. being a fill penetrated by a triple 18-inches in diameter galvanized iron pipe culvert 60 ft. N. of its intersection with Happy Isles Road; iron bolt and washer cemented in 1½-in. in diameter threaded galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3967.749 ft.) T.B.M. 16 - 5</p>	37 44 28.54	119 34 51.53	602.6

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
50 Happy Isles Bridge, 1.70 mi. NW. of, along Old Village Road, 1.5 ft. SE. of granite boulder 5 ft. by 9 ft. by 6 ft. high, 22 ft. SW. of 4.5 ft. in diameter oak tree, 36 ft. SE. of 3.5 ft. in diameter cedar tree on bank of Merced river, 16 ft. NW. of center of Happy Isles Road, 72 ft. W. of 6 ft. in diameter cedar tree; bronze tablet in concrete monument stamped " <u>S10, 1933-3965 TT</u> "; set flush with ground being a permanent bench mark. (Elev. 3965.371 ft.) P.B.M. S 10	37 44 31.45	119 34 59.00	668
55 Junction transit point	37 44 35.34	119 35 21.13	1820
57 U.S.G.S. BM. 27S 1905 (USGS Bulletin 766, p. 447) Yosemite Valley, directly opposite Guardians office, at E. margin of rd., top of large granite rock, aluminum tablet stamped " <u>3964 B</u> " (Elev. 3964.256 ft.)			
Note: -Add "At Old Village" to this description, bench mark in good condition and apparently undisturbed. Tablet stamped " <u>27S 1905 B 3964</u> " USGS BM 27S 1905	37 44 32.35	119 35 25.07	438
59 At Old Village, 138 ft. NW. of front door of Church, 1 ft. SE. of 7.5 ft. in diameter oak tree, 24 ft. SE. of center of rd. through Old Village, 38 ft. SW. of 6 ft. in diameter oak tree, 2.15 mi. NW. of Happy Isles Bridge; iron bolt and washer cemented in 1½-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3957.844 ft.) T.B.M. S10 - 1	37 44 29.37	119 35 26.97	338

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>60"B"</p> <p>Happy Isles Bridge, 2.3 mi. NW. of, along old Village Road, 33 ft. NW. of center of rd. to Old Village, 2 ft. SE. of 3-ft. in diameter cottonwood tree, 150 ft. NE. of NW. parapet of 24-in. in diameter galvanized iron pipe culvert; iron bolt and washer cemented in $1\frac{1}{2}$-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3956.941 ft.) T.B.M. S10 - 2</p>	37 44 23.75	119 35 33.53	776
<p>(1) Happy Isles Bridge, 2.3 mi. NW. of, along Old Village Road, about 108 ft. SW. of U.S.B.P.R. bench mark (a brass cap on 2-in. in diameter galvanized iron pipe stamped "238 14.60 3963.57 ft. 1928") 90 ft. SW. of SE. end of 24-in. in diameter galvanized iron pipe culvert 28 ft. SE. of center of rd. to Old Village, 2.5 ft. N. of 3 ft. in diameter leaning oak tree with fire blaze on S. side, 115 ft. NW. of 6-ft. in diameter pine tree, bronze tablet in concrete monument set flush with ground stamped "S11 1933 3964 TT", being a permanent bench mark. (Elev. 3964.377 ft.) P.B.M. S 11 CALIF. ZONE 3 X=2,261,222. Y= 451,723.</p>	37 44 13.88	119 35 47.95	1529

INACTIVE FILES

YOSEMITE VALLEY NATIONAL PARK (Contd.)

9-778

1927 N.A.D.

STATION	LATITUDE " "	LONGITUDE " "	DIST. BET. STATIONS Feet
<p>63 Happy Isles Bridge, 2.75 mi. NW. of, along Old Village Road, 20 ft. SE. of center of rd. to Old Village, 42 ft. W. of 5.5 ft. in diameter cedar tree; 42 ft. SW. of 5.5 ft. in diameter pine tree 3 ft. SW. of 6 inches in diameter cedar tree, 14 ft. NW. of 6-in. in diameter pine tree; iron bolt and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3969.067 ft.) T.B.M. S 11 - 1</p>	37 44 07.12	119 35 57.64	1027
<p>64 Happy Isles Bridge, 2.75 mi. NW. of, along Old Village rd., 33 ft. SE. of center of rd. to Old Village, 50 ft. S. of intersection of center of rd. to Old Village and rd. to Glacier Point Trail, 31 ft. W. of granite boulder 6 ft. by 12 ft. by 3 ft. high, 28 ft. SW. of center of rd. to Glacier Point Trail; iron bolt and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3968.662 ft.) T.B.M. S 11 - 2</p>	37 44 01.86	119 36 03.10	689.3
<p>Happy Isles Bridge, 3 mi. W. of, along Old Village Road, 52 ft. NW. of intersection of center of rd. to Giant Yellow Pine tree and center of rd. to Old Village, 14 ft. SE. of 3 ft. in diameter oak tree, 100 ft. SW. of center of W. parapet of concrete culvert, 75 ft. N. of 2 ft. in diameter pine tree; copper nail and washer cemented in 1½-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3969.167 ft.) T.B.M. S 11 - 3</p>	37 43 58.80	119 36 08.78	551.8

INACTIVE FILES

9-778

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	Dist. Bet. Stations Feet
<p>68 Happy Isles Bridge, 3.1 mi. W. of, along Old Village Road, 3 ft. N. of 1.5 ft. in diameter cedar tree, 6 ft. W. of 1 ft. in diameter cedar tree, 23 ft. W. of center of rd. to Old Village, 48 ft. NW. of 4 ft. in diameter cedar tree situated at E. edge of rd. to Old Village, 43 ft. NW of 2 ft. in diameter oak tree situated at W. edge of rd. to Old Village; iron bolt and washer cemented in $\frac{1}{2}$-in. in diameter threaded wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3973.173 ft.) T.B.M. S 11 - 4</p>	37 43 54.02	119 36 13.48	613.5
<p>69 "c" Happy Isles Bridge, 3.25 mi. W. of, along Old Village Road, 25 ft. SE. of center of rd. to Old Village, 54 ft. SW. of 4.5 ft. in diameter Oak tree, 30 ft. NW. of 4 ft. in diameter cedar tree, 85 ft. S. of 2 five ft. in diameter cedar trees; U.S.B.P.R. bench mark, a brass cap on 2-in. in diameter galvanized iron pipe stamped "194 + 09.62, 3973.87 ft., 1926", 0.1 ft. above ground, protected by 2 granite rocks 10-in. by 10-in. by 10-in. high, being a temporary bench mark. (Elev. 3973.855 ft.) T.B.M. S 11 - 5</p>	37 43 41.56	119 36 20.90	1395
<p>70 Happy Isles Bridge, 3.3 mi. W. of along rd. passing through Old Village, 3.0 ft. SE. of 3.5 ft. in diameter pine tree, 24 ft. SE. of center of rd. to Old Village, 35 ft. SW. of 4 ft. in diameter cedar tree, 60 ft. SE. of 5 ft. in diameter hollow cedar tree; bronze tablet in concrete monument protruding 0.2 ft. above ground, stamped "S 12 1933 3972 TT", being a permanent bench mark (Elev. 3971.513 ft.) R.B.M. S 12</p>	37 43 40.14	119 36 22.90	215

INACTIVE FILES

CALIF. ZONE 3 X=2,258,447. Y=449,263.

Transit Traverse Positions in 1933 on N.A.D.

DEPARTMENT OF THE INTERIOR

also

GEOLOGICAL SURVEY

Preliminary Elevations

By: S.C.Kain, 1933

Books: D966-67

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
71 Happy Isles Bridge, 3.45 miles west of, along Old Village Road, 3 feet northeast of 3 feet in diameter pine tree, 24 feet south of center line of road to Old Village, 51 feet southeast of 6 feet in diameter double oak tree with burl on trunk; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.5 feet above ground, protected by 2 granite rocks 10 inches by 10 inches by 10 inches high, said cap being stamped "184 + 88.00, 3961.53, 1927", being a temporary bench mark. T.B.M. S 12 - 1	37 43 35.88	119 36 31.17	791.8
73 Happy Isles Bridge, 3.55 miles west of, along Old Village Road, 9 feet southwest of 4 feet in diameter cedar tree, 18 feet southeast of center line of road to Old Village, 21 feet northwest of 5 feet in diameter pine tree, 120 feet southwest of 5 feet in diameter pine tree and 4 feet in diameter cedar tree grown together at base and situated at north edge of road to Old Village; copper nail and washer cemented in 2 inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3961.491 ft.) T.B.M. S 12 - 2	37 43 33.26	119 36 39.52	722

INACTIVE FILES

/ JME

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
75 Happy Isles Road, 3.75 miles west of, along old Village Road, 45 feet northwest of center line of Road to Old Village, 54 ft. southwest of row of granite boulders bearing north from road to Old Village, 10 feet east of eight inches in diameter cedar tree, 3 feet southeast of 18 inches in diameter pine tree; bronze tablet in concrete monument protruding 0.2 feet above ground, stamped "S13, 1933, 3969 TT", being a permanent bench mark. (Elev. 3968.650 ft.) P.B.M. S 13 (Reported not found in 1956)	37 43 31.29	119 36 50.75	924
77 Happy Isles Road, 3.9 miles west of, along Old Village Road, 2.5 ft. southeast of 2.5 ft. in diameter pine tree, 10.5 feet east of 1.5 feet in diameter cedar tree, 14 feet southwest of 8 inches in diameter cedar tree, 21 ft. southeast of center line of road to Old Village, 8 feet east of bent 5.5 feet in diameter pine tree, 138 feet southwest of southeast parapet of 30 inches in diameter galvanized iron pipe culvert, 208 ft. southwest of 7 feet in diameter cedar tree on west edge of road to Old Village; copper nail and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3971.995 ft.) T.B.M. S 13 1	37 43 26.02	119 37 01.92	1043

INACTIVE FILES

AmE

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>78 Happy Isles Bridge, 4.05 miles in general westerly direction from along Road passing through Old Village, 24 feet southeast of center line of road to Old Village, about 210 feet southwest of south parapet of 18 inches in diameter galvanized iron pipe culvert, 3.5 feet east of 2 ft. in diameter pine tree, 19.5 ft. northwest of 8 inches in diameter cedar tree, 19 feet west of double cedar tree 20 inches in diameter at base, 51 feet east of 5 feet in diameter cedar tree at, "El Capitan View" sign on north edge of road to Old Village; copper nail and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark (Elev. 3975.696 ft. T.B.M. S 13-2</p>	<p>37 43 21.43</p>	<p>119 37 10.23</p>	<p>813.0</p>
<p>81 Happy Isles Bridge, 4.3 miles in a general westerly direction from, along road to Old Village, 255 feet southwest of west end of 6 feet in diameter galvanized iron pipe culvert, 3.5 feet southeast of 6 feet in diameter cedar tree, 25 feet southwest of 5 feet in diameter cedar tree, 12 feet northwest of center line of road to Old Village; 36 feet northwest of 4 pine trees grown together at base, 2 being 1 foot in diameter, 1 being 2 feet in diameter, 1 being 1.5 feet in diameter, and located on south side of road to Old Village, 105 feet east of intersection of center line of road to Old Village and center line of road bearing northerly; bronze tablet with concrete monument set flush with ground and stamped 1933, 3970 TT, being a permanent bench mark. (Elev. 3975.776 ft.) P.B.M. S 14</p>	<p>(Not found in 1956) 37 43 18.09</p>	<p>119 37 25.19</p>	<p>1250</p>

INACTIVE FILES

Am

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
84 Happy Isles Bridge, 4.4 miles in a general westerly direction from, along road passing through Old Village, 30 feet northwest of center line of road to Old Village, 220 feet southeast of intersection of center line of El Capitan Bridge Road and center lines of legs of wye, on center line of El Capitan Bridge road produced, in wye 21 feet southwest of 18 inches in diameter cedar tree; 15 feet northwest of 12 inches in diameter cedar tree; iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark (Elev. 3969.110 ft.) (Junction point) T.B.M. S 14-1	37 43 15.70	119 37 37.19	995
86 Happy Isles Bridge, 4.7 miles in a general westerly direction from, along road passing through Old Village, 34 feet southwest of south parapet of 30 inches in diameter galvanized iron pipe culvert, 27 feet southeast of center line of road to Old Village, 1 foot northwest of 18 inches in diameter pine tree, 21 feet southeast of, "Cathedral Rocks" Sign; copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3977.567 ft.) T.B.M. S 14-2	37 43 11.18	119 37 54.96	1499

11/13
INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
89 Happy Isles Bridge, 4.8 miles in a general westerly direction from, along road passing through Old Village, 21 feet east of 5 feet in diameter cedar tree located on north edge of road to Old Village, 18 feet northwest of center line of road to Old Village, 15 feet southwest of Hollow Cedar tree 4.5 feet in diameter, in granite boulder 5 feet square protruding from ground 0.5 feet, on north edge of road to Old Village; bronze tablet cemented in rock in place, stamped "S 15, 1933, 3961 TT" being a permanent bench mark. (Elev. 3960.820 ft.) F.B.M. S 15 (Reported not found in 1956)	37 43 12.76	119 38 02.66	639
92 Happy Isles Bridge, 5 miles in a general westerly direction from, along road passing through Old Village, 4 feet southwest of 3 feet in diameter oak tree, 15 ft. south of center line of road to Old Village, 100 feet east of north point of granite boulder located at south edge of road 20 feet by 30 feet by 30 feet high; copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3968.337 ft.) T.B.M. S 15 - 1	37 43 15.68	119 38 17.53	1231

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>95 U.S.G.S. P.B.M. 180, (U.S.G.S. Bull. 766, pg. 483) Sta. No. 180 p.b.m., El Capitan Bridge, 160 feet east of, 8 feet west of sprinkling station, 7 feet north of north edge of road, on top of 10 foot boulder; bronze tablet, painted on rock, "180". Elevation 3,952.556 feet. Tie Point.</p> <p>Note: -El Capitan Bridge no longer exists, although road crossing of Merced River is still visible, sprinkling station no longer exists; center line of road has been slightly changed; boulder and tablet apparently undisturbed and in good condition; "3952" scratched with sharp pointed instrument in mortar around tablet while mortar was still wet, tablet now situated 10 feet west of 18 inches in diameter oak tree, 25 feet north-west of center line of road to Old Village, 50 feet southeast of center line of Merced River, 150 feet northeast of old river crossing to El Capitan, now abandoned, 5.2 miles in a westerly direction from Happy Isles Bridge, along road passing through Old Village to Pohono Bridge. Tablet stamped by us "3953, 1919". U.S.G.S. PBM 180</p> <p>Closure Error</p>	<p>37 43 18.91</p>	<p>119 38 29.37</p>	<p>1007</p> <p>INACTIVE FILES</p> <p><i>V.M.F.</i></p>

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
STATION 95 TO STATION 84 (JUNCTION POINT) P.B.M. 180 TO T.B.M. S 14-1			
95 Previously described	37 43 18.91	119 38 29.37	
96 Happy Isles Bridge, about 5.3 miles in a westerly direction from, along road passing through Old Village, 21 feet northwest of center line of road to Old Village, 30 feet northwest of broken granite boulder 15 feet by 20 feet by 13 feet high, 60 feet southwest of center of northwest parapet of 2 feet by 2 feet rubble box culvert, 2 feet southeast of 3 feet in diameter pine tree, about 90 feet west of telephone pole No. 171; iron bolt and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3937.282 ft.) T.B.M. 180 - 1	37 43 15.96	119 38 37.91	748

INACTIVE FILES

1/2/16

1927 N. A. D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
100 Happy Isles Bridge, 5.45 miles in general westerly direction from, along road passing through Old Village, about 255 feet southwest of northwest parapet of 18 inches in diameter galvanized iron pipe culvert, 11 feet east of 8 inches in diameter cedar tree, 15 feet east of 20 feet by 30 feet by 20 feet high granite boulder, 36 feet northwest of intersection of center line of Old Village Road and center line of road curving off Old Village Road in a southwesterly direction, 114 feet northeast of intersection of center line of road to Old Village and center line of tangent of road bearing northwest; iron bolt and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3934.736 ft.) T.B.M. 180 - 2	37 43 16.03	119 38 47.20	747
101 Junction (transit point.)	37 43 15.06	119 38 48.93	170
102 Happy Isles Road, 5.55 miles in a general westerly direction from, along Old Village Road, 120 feet southwest of center of south parapet of 2 feet in diameter galvanized iron pipe culvert, 36 feet southeast of center line of road to Old Village, 1.5 feet northwest of 20 inches in diameter pine tree, about 60 feet south of intersection of Road to Old Village and old dirt road bearing southeast; iron bolt and washer, cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3929.044 ft.) T.B.M. 180 - 3	37 43 12.52	119 38 52.71	399

INACTIVE FILES

V. J. M. E.

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
105 Happy Isles Bridge, 5.85 miles in a general westerly direction from, along road passing through Old Village, 24 feet east of center of southeast parapet of 26 inches in diameter galvanized iron pipe culvert, about 205 feet southwest of intersection of center line, of south leg of wye to Wawona tunnel and center line of road to Old Village; 3 feet west of 4 feet in diameter cedar tree, 3 feet east of 4 feet in diameter cedar tree, 10 feet south of center line of road to Old Village; bronze tablet in concrete monument set flush with ground stamped "S 16, 1933, 3914 TT", being a permanent bench mark. (Elev. 3913.530 ft.) P.B.M. S 16 (Reported not found in 1956).	37 43 02.45	119 39 07.14	1544
106 Happy Isles Bridge, 6.0 miles in a general westerly direction from, along Road passing through Old Village, 4.5 feet east of 14 inches in diameter Pine tree, 21 feet northwest of center line of road to Old Village, about 175 feet west of Telephone pole No. 207, at row of scattered granite rocks on northwest edge of Old Village Road; copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3924.094 ft.) T.B.M. S 16 - 1	37 43 01.07	119 39 17.60	851.6

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
109 Happy Isles Bridge, 6.10 miles in a general westerly direction from, along road passing through Old Village, 450 feet southwest of intersection of center line of road to Old Village and center line of old road bearing northwest, 60 feet southeast of Rose and Shuborn Monument stone, 25 feet west of center line of road to Old Village; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.5 feet above ground, stamped "29 + 48.14, 3906.64", being a temporary bench mark. (Elev. 3906.478 ft.) T.B.M. S 16 - 2	37 42 59.79	119 39 26.12	697
110 Happy Isles Bridge, 6.30 miles in a general westerly direction from, along road passing through Old Village, 3 feet southeast of the toe of slope of fill, 25 feet southeast of center line of road to Old Village, 48 feet northeast of granite boulder 6 feet by 10 feet by 2 feet high, about 170 feet southwest of center of southeast parapet of 3 feet in diameter galvanized iron pipe culvert; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 1 foot above ground, stamped "22 + 23.75, 3908.51, 4, 1926," being a temporary bench mark. (Elev. 3908.378 ft.) T.B.M. S 16 - 3	37 42 54.71	119 39 34.73	862.1

Am 6

INACTIVE FILES

1927 N.A.D.

9-778

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
111 Happy Isles Bridge, 6.35 miles in a general westerly direction from, along road passing through Old Village, 15 feet northwest of center line of road to Old Village, 2.5 feet south of 2.5 feet in diameter oak tree with old blaze, 65 feet southwest of 3 feet in diameter oak tree with old blaze, 135 feet northeast of double leaning oak tree 7 feet in diameter at base, about 175 feet northeast of center of northwest parapet of 18 inches in diameter galvanized iron pipe culvert; iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3914.652 ft.) T.B.M. S 16 - 4	37 42 54.41	119 39 40.15	436.2
114 Happy Isles Bridge, 6.50 miles in a general westerly direction from, along road passing through Old Village, 2.5 feet southwest of 6 inches in diameter fir tree, 18 feet southwest of center line of road to Old Village, 105 feet east of Fern Spring, 65 feet northwest of 10 feet by 40 feet by 14 feet high granite boulder; iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter threaded wrought iron pipe set flush with ground, being a temporary bench mark (Elev. 3893.589 ft.) T.B.M. S 16 - 5	37 42 53.85	119 39 49.86	782

INACTIVE FILES

/gmc

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>116 Happy Isles Bridge, 0.05 miles in a general westerly direction from, along road passing through Old Village, 10 feet southeast of southeast end of southwest parapet of Pohono Bridge, said bridge being a rubble arch over Merced River, 5 feet south of 5 feet in diameter pine tree, 24 feet southwest of center line of road to Old Village; bronze tablet in concrete monument set flush with ground, stamped, "S 17, 1933, 3881 TT", being a permanent bench mark. (Elev. 3880.519 ft.) P.B.M. S 17 CALIF. ZONE 3 X=2,241,455. Y= 443,965.</p>	<p>37 42 59.00</p>	<p>119 39 54.89</p>	<p>660</p>
<p>117 Pohono Bridge, 0.02 miles northwest of; Pohono Bridge southwest of parapet, 102 feet northwest of northwest end of, 11 feet northeast of 20 inches in diameter pine tree, north of All Year Highway to Yosemite; U.S.B.P.R. bench mark a brass cap on 2 inches in diameter galvanized iron pipe protruding 1.0 foot above ground, stamped "0 + 87.06, 408+77.06, 3883.04 feet 1920", being a temporary bench mark. (Elev. 3882.894ft.) T.B.M. S 17 - 1</p>	<p>37 43 01.52</p>	<p>119 39 55.02</p>	<p>254.1</p>

INACTIVE FILES

Y 2/11/18

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
FROM STATION 199, JUNCTION TO STATION 222, T.B.M. S 23 - 6.			
199 Junction.	37 44 38.37	119 34 22.56	
222 T.B.M. S 23 - 6, Previously described. Tie point. Closure error	37 44 38.09	119 34 31.84	744
FROM STATION 101, JUNCTION, TO STATION 134, T.B.M. S 18-2.			
101 Junction to Station 238, T.B.M. "G"	37 43 15.06	119 38 48.93	
238 Concentration Plant, about 0.3 miles northeast of, 2 feet southwest of 6 feet in diameter lone Yellow Pine tree with knob on west side, 36 feet northwest of center line of road to concentration plant. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe, protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3927.488 ft.) T.B.M. "G"	37 43 17.77	119 38 56.70	538
1 At Concentration Plant, 33 feet southwest of road, 13 feet west of concrete pedestal for pipe brace, 11 feet north of west corner of concrete platform. Bronze tablet in concrete monument stamped "S 27, 1933, 3912 TT" set 0.3 feet below surface of ground and protected by circle of round granite boulders taken from excavation and imbedded in soil. (Elev. 3912.292 ft.) P.B.M. S 27 (Calif. Zone 3) X=2,245,835. Y=445,596.	37 43 14.73	119 39 00.19	538
134 T.B.M. S 18 - 2, Previously described. Tie point. Closure error	37 43 18.05	119 38 59.43	341.2

INACTIVE FILES

Transit Traverse Positions in 1933 on N.A.D.

also

Preliminary Elevations

By: S. C. Kain, 1933

Books: D966-67

9-776

1927 N.A.D.

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>FROM STATION 0 TO STATION 41 OR FROM U.S.G.S. BM. NO. 93 TO U.S.G.S. BM. NO. 16</p> <p>0 USGS BM. Sta. 93 "Mirror Lake, 150 ft. W. of, 135 ft. N. of NE. corner of ice house, 30 ft. S. of trail, 35 ft. SW of 2-ft. pine tree in direct line with Tenaya Canyon, in triangular summit of small boulder, 15-in. above ground; bronze tablet stamped "4094" Elev. 4093.717 ft. (This description copied from U.S.G.S. Bulletin 766, page 458. Delete "135 ft. N. of NE. corner of ice house", said ice house no longer in existence.)</p> <p>Note:-BM. apparently undisturbed and in good condition; tablet stamped "4094.B 1919" (1919 stamped by us in field.) USGS BM Sta. 93</p>	<p>37 44 53.17</p>	<p>119 32 56.48</p>	
<p>6 Mirror Lake, 0.4 mi. SW. of, along Mirror Lake Road, 2 ft. NW. of granite boulder 15 ft. by 20 ft. by 7 ft. above ground elevation of shoulder of Mirror Lake Road, on SE. edge of said rd., 8 ft. NE. of SW. edge of said boulder, 33 ft. SE. of center line of Mirror Lake Road, 54 ft. SE. of sheer granite boulder 7 ft. by 10 ft. by 15 ft. high situated on NW edge of said rd., said granite boulder showing 5 drill marks in face; copper nail and washer cemented in 2-in. in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 4015.616 ft.) T.B.M. 93 - 1</p>	<p>37 44 39.10</p>	<p>119 33 06.21</p>	<p>1524</p>

INACTIVE FILES

YOSEMITE VALLEY NATIONAL PARK (contd.)

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>9 Mirror Lake, 0.6 mi. SW. of, along Mirror Lake Road, 18 ft. NW. of center of Mirror Lake Road, 30 ft. NW. of 7 ft. in diameter leaning pine tree, 210 ft. SW. of intersection of centerline of Mirror Lake Road and center line of Happy Isles Road and of center line of New Village Road; U.S.B.P.R. bench mark; a brass cap on 2-in. in diameter galvanized iron pipe protruding 0.5 ft. above ground, stamped "385 + 11.51, 4001.20 ft." being a temporary bench mark. (Elev. 4001.083 ft.) (Junction point) T.B.M. 93 - 2 CALIF. ZONE 3 X=2,273,013. Y= 454,177.</p>	37 44 36.99	119 33 20.86	1196
<p>11 Mirror Lake, 0.75 mi. SW. of, along Mirror Lake Road, on skewbridge under Mirror Lake Road, at center of twelfth curbstone counting from SW. toward NE. end of bridge over Merced River, on SE. side of said bridge, 0.5 ft. above bridge floor; Copper nail and washer cemented in granite curbstone being a temporary bench mark. (Elev. 3995.038 ft.) T.B.M. 93 - 3 CALIF. ZONE 3 X=2,272,657. Y= 453,564.</p>	37 44 30.97	119 33 25.37	708
<p>14 Mirror Lake, about 1 mi. SW. of, along Mirror Lake Road, 1.5 ft. SE. of 2 ft. in diameter pine tree, 7.5 ft. SE. of 1 ft. in diameter oak tree, at W. end of wye branching from rd. from Mirror Lake; iron bolt and washer cemented in 1½-in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3982.191 ft.) (Jct. point) T.B.M. 93 - 4</p>	37 44 22.15	119 33 32.40	1055

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
BM. 28-S USGS BM. 28S, 1905 (USGS Bulletin 766, p. 453) Yosemite Valley, at power house, 40 ft. S. of trail to Vernal Falls, 40 ft. N. of Power house bridge, 30 ft. N. of rd., large granite boulder; aluminum tablet stamped "4034 B" (Bull. 342. p., 117) (Elev. 4034.061 ft.) Note: -Tablet set with face vertical in rock stamped "4034 B 28S 1905" in good condition and apparently undisturbed. USGS BM 28S 1905	37 43 51.27	119 33 26.50	3160
27 Happy Isles Bridge, 0.15 mi. NW. of, about 324 ft. SW. of SW. end of bridge, 36 ft. SW. of intersection of center line of Happy Isles - Camp Curry Road and center line of rd. bearing SE. 15 ft. NW. of center line of Happy Isles - Camp Curry Road, 0.5 ft. SE. of base of Rock 2 ft. by 3 ft. by 3 ft. high situated at base of 2 pine trees. Copper nail and washer cemented in $1\frac{1}{2}$ -in. in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 4018.065 ft.) T.B.M. 28S - 1	37 43 57.24	119 33 31.47	723
29 Happy Isles Bridge, 0.25 mi. NW. of, about 985 ft. NW. of SW. end of bridge, 22 ft. S. of center of Happy Isles - Camp Curry Road, 45 ft. S. of 5 ft. in diameter pine tree, 102 ft. SW. of 4 ft. square opening Culvert, 24 ft. NW. of base of granite boulder 8 ft. by 10 ft. by 4 ft. high. Chiseled cross in center of 2.5 ft. in diameter cast iron manhole cover set in concrete collar 4 ft. square protruding 0.5 ft. above ground, being a temporary bench mark. (Elev. 4014.231 ft.) T.B.M. 28S - 2	37 43 59.65	119 33 37.98	577

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
176 Pohono Bridge, 4.60 miles northeast of, along All Year Highway, 6 feet southwest of 6 feet in diameter hollow Oak tree, 36 feet northwest of All Year Highway, in Road forks of All Year Highway and road bearing north, 106 feet east of rubble fire place on frame dwelling house. Junction to station 234. Copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3963.301 ft.) T.B.M. S 22 - 2	37 44 46.16	119 35 29.43	881
234 Old Village, 0.2 miles north of, 42 feet southeast of center line of All Year Highway, about 170 feet northwest of forks of center line of road bearing northwest from Old Village, on manhole lining. Chisled cross on east edge of concrete manhole lining, being a temporary bench mark. (Elev. 3965.6 ft.) T.B.M. "A"	37 44 46.91	119 35 24.29	420.2
232 Yosemite Valley, at junction of roads, north side of river, north and east side of roads, 150 feet northeast of, iron bridge over Merced River at Sentinel Hotel, in center of top of concrete pier 2.5 feet high, base 20 by 20 inches, and top 12 by 12 inches; aluminum plug stamped with a triangle and "U.S.G.S." Elevation 3960.536 (1905). Immediately over the above bench mark is a rectangular aluminum plate half inch thick marked "Charles D. Wolcott, Director U.S. Geological Survey, latitude 37°44'40", longitude 119°35'21" (Elevation 3960.578)			

INACTIVE FILES

1927 N.A.D.

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
232 (contd.) Note:-Iron bridge no longer exists, a rubble bridge having taken its place; tablet in good condition and apparently undisturbed. Note;-Elevation used is 3960.578, on top of rectangular aluminum plate. Note:-This is undoubtedly same bench mark as described in Bulletin 766 next to last station at bottom of page 448, although no aluminum plate is mentioned. U.S.G.S. B.M. 3960 Closure Error Concrete pier now flush with ground. (See Bulletin 766, Bottom page 447, top of page 448)	37 44 38.73	119 35 19.64	908
55 Junction and tie point Closure Error	37 44 35.34	119 35 21.13	362
FROM STATION 176 TO STATION 196			
176 Previously described T.B.M. S - 22 - 2	37 44 46.16	119 35 29.43	


 INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
216 Mirror Lake, 1 mile southwest of; thence 0.3 miles west along road; 150 feet southwest of south end of east side of bridge, 24 feet southeast of center line of road, 2 feet southeast of 4 feet in diameter Cedar tree. Iron bolt and washer cemented in threaded $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary benchmark. (Elev. 3981.520 ft.) T.B.M. "E"	37 44 21.50	119 33 51.95	479
35 T.B.M. S 9 - 2, Previously described, tie point. Closure error	37 44 18.05	119 33 58.23	613
FROM STATION 38 T.B.M. S 9 - 5 TO STATION 232 U.S.B.M. 3960.			
38 T.B.M. S - 9 - 5 Previously described.	37 44 23.15	119 34 18.46	
220 Ahwahnee Hotel, 0.25 miles south of; Stoneman Bridge, 0.15 miles northwest of, 25 feet southwest of center line of road to Stoneman Bridge, 2.5 feet southeast of 3.5 feet in diameter Oak tree with 4 forks, 26 feet south of "Camp 7" sign, in southwest angle of intersection of Camp 7 and Camp 15 roads and of road to Stoneman Bridge. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3966.395 ft.) T.B.M. S 25 - "D"	37 44 31.67	119 34 27.60	1132

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
222 Yosemite Post Office, 0.4 miles east along new Village - Mirror Lake Road, thence 0.2 miles in a southeasterly direction, along road to Stoneman Bridge, in southeast angle of intersection of road to Stonemans Bridge and Old Village - Mirror Lake road, 6 feet south of leaning Oak tree 4 feet in diameter, 14 feet southwest of leaning Oak tree 4 feet in diameter. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe, protruding 0.10 feet above ground, being a temporary bench mark. (Elev. 3966.158 ft.) (Junction) T.B.M. S 23 - 6	37 44 38.09	119 34 31.84	733
224 Yosemite National Park Post Office, 0.4 miles east of, along New Village - Mirror Lake road, thence 0.05 miles in a southeasterly direction along road to Stoneman Bridge, 90 feet southwest of center line of road to Stoneman Bridge, 300 feet south of southwest end of 24 inches in diameter galvanized iron pipe culvert, 36 feet west of 5 feet in diameter Oak tree with 10 inches in diameter rock imbedded in healed scar. Chisled cross in middle of large letter "S" on cast iron manhole cover number H 3, being a temporary bench mark. (NO check) (Elev. 3965.111 ft.) T.B.M. S - 23 - 5	37 44 43.17	119 34 35.78	603

INACTIVE FILES

YOSEMITE VALLEY NATIONAL PARK (contd.)

DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

1927 N.A.D.

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
226 Old Village, 0.6 miles northeast of, 39 feet northwest of center line of road to Old Village from Mirror Lake, 200 feet southwest of 3 feet in diameter Lone Oak tree in meadow, on manhole cover No. D 14. Chisled cross on large letter, "S" on manhole cover, being a temporary bench mark. (Elev. 3964.526) T.B.M. S 25-"C"	37 44 43.26	119 34 47.74	952
228 Old Village, 0.4 miles northeast of, 15 feet northwest of Old Village - Mirror Lake road, at intersection of Old Village - Mirror Lake road and road from Camp 6 to New Village, 84 feet Northwest of telephone pole, 2 feet northwest of 4 feet in diameter Sugar Pine tree. Bronze tablet in concrete monument, protruding 0.2 feet above ground, stamped "S 25, 1933, 3966 TT", being a permanent bench mark. (Elev. 3966.284 ft.) P.B.M. S 25	37 44 42.67	119 34 57.00	746
230 Old Village, 0.25 miles northeast of 4.5 feet southwest of 4 feet in diameter lone Sugar Pine tree in meadow, 63 feet north of Old Village - Mirror Lake road, 90 feet northwest of north end of 2 feet in diameter galvanized iron pipe culvert situated at intersection of Old Village - Mirror Lake road and road bearing Southeast. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3961.260 ft.) T.B.M. "B"	37 44 42.55	119 35 07.65	856
232 U.S.G.S. B.M. 3960, Previously described. Tie point. Closure error	37 44 38.73	119 35 19.64	1039

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
FROM STATION 199, JUNCTION TO STATION 222, T.B.M. S 23 - 6.			
199 Junction.	37 44 38.37	119 34 22.56	
222 T.B.M. S 23 - 6, Previously described. Tie point. Closure error	37 44 38.09	119 34 31.84	744
FROM STATION 101, JUNCTION, TO STATION 134, T.B.M. S 18-2.			
101 Junction to Station 238, T.B.M. "G"	37 43 15.06	119 38 48.93	
238 Concentration Plant, about 0.3 miles northeast of, 2 feet southwest of 6 feet in diameter lone Yellow Pine tree with knob on west side, 36 feet northwest of center line of road to concentration plant. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe, protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3927.488 ft.) T.B.M. "G"	37 43 17.77	119 38 56.70	538
1 At Concentration Plant, 33 feet southwest of road, 13 feet west of concrete pedestal for pipe brace, 11 feet north of west corner of concrete platform. Bronze tablet in concrete monument stamped "S 27, 1933, 3912 TT" set 0.3 feet below surface of ground and protected by circle of round granite boulders taken from excavation and imbedded in soil. (Elev. 3912.292 ft.) P.B.M. S 27 (Calif. Zone 3) X=2,245,835. Y=445,596.	37 43 14.73	119 39 00.19	538
134 T.B.M. S 18 - 2, Previously described. Tie point. Closure error	37 43 18.05	119 38 59.43	341.2

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>116 Happy Isles Bridge, 0.05 miles in a general westerly direction from, along road passing through Old Village, 10 feet southeast of southeast end of southwest parapet of Pohono Bridge, said bridge being a rubble arch over Merced River, 5 feet south of 5 feet in diameter pine tree, 24 feet southwest of center line of road to Old Village; bronze tablet in concrete monument set flush with ground, stamped, "S 17, 1933, 3881 TT", being a permanent bench mark. (Elev. 3880.519 ft.) P.B.M. S 17 CALIF. ZONE 3 X=2,241,455. Y= 443,965.</p>	<p>37 42 59.00</p>	<p>119 39 54.89</p>	<p>660</p>
<p>117 Pohono Bridge, 0.02 miles northwest of; Pohono Bridge southwest of parapet, 102 feet northwest of northwest end of, 11 feet northeast of 20 inches in diameter pine tree, north of All Year Highway to Yosemite; U.S.B.P.R. bench mark a brass cap on 2 inches in diameter galvanized iron pipe protruding 1.0 foot above ground, stamped "0 + 87.06, 408+77.06, 3883.04 feet 1920", being a temporary bench mark. (Elev. 3882.894ft.) T.B.M. S 17 - 1</p>	<p>37 43 01.52</p>	<p>119 39 55.02</p>	<p>254.1</p>

INACTIVE FILES

Y 2/11/18

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
120 Pohono Bridge, 0.15 miles east of 24 feet southeast of All Year Highway, 4 feet southeast of 3.5 feet in diameter pine tree, 35 feet west of leaning oak tree 3 feet in diameter at base, 170 feet southwest of "Valley View" sign; copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3879.508 ft.) T.B.M. S 17 - 2	37 43 01.36	119 39 40.91	1134
122 Pohono Bridge, 0.30 miles east of, 30 feet west of 4 feet in diameter pine tree, 18 feet west of center line of All Year Highway, 67 feet southwest of center of northwest parapet of 26 inches in-diameter galvanized iron pipe culvert; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 1 foot above ground, stamped " <u>19 + 91.72, 3890.29 feet 1928</u> ", being a temporary bench mark. (Elev. 3890.176 ft.) T.B.M. S 17 - 3	37 43 08.41	119 39 35.26	846
124 Pohono Bridge, 0.45 mile northeast of, 3 feet southeast of 2.5 feet in diameter pine tree, about 114 feet west of center of southeast end of 1 foot in diameter galvanized iron pipe culvert located at end of riprap, 18 feet north of center line of All Year Highway, 216 feet southwest of granite boulder 8 feet by 10 feet by 8 feet high with overhang crack near top; copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3892.402 ft.) T.B.M. S 17 - 4	37 43 09.33	119 39 25.71	773

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
128 Pohono Bridge, 0.65 miles north-east of, about 225 feet north-east of large broken granite boulders on southeast edge of All Year Highway to Yosemite, about 235 feet southwest of 12 feet by 20 feet by 4 feet high granite boulder with eye bolt cemented in top and located above northwest edge of All Year Highway to Yosemite, 36 feet south-east of center line of All Year Highway to Yosemite, 8 feet south of 3 feet in diameter leaning pine tree; bronze tablet cemented in 18 inches by 48 inches by 6 inches above ground granite boulder in place, stamped "S 18, 1933, 3908 TT", being a permanent bench mark. (Elev. 3907.919 ft.) P.B.M. S 18	37 43 12.84	119 39 14.47	970
131 Pohono Bridge, 0.75 miles north-east of, about 132 feet northeast of center of northwest parapet of 1 foot in diameter galvanized iron pipe culvert, 65 feet north-east of 2.5 feet in diameter oak tree with burls and located on east side of large granite boulder, 30 feet northwest of center line of All Year Highway, 2.5 feet east of 3 feet in diameter pine tree; copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3917.936 ft.) T.B.M. S 18 - 1	37 43 16.73	119 39 09.13	582

INACTIVE FILES

HME

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
134 Pohono Bridge, 0.85 miles north-east of, 190 feet northeast of center of northwest parapet of 1 foot in diameter galvanized iron pipe culvert, 15 feet southwest of 2 feet in diameter cedar tree and 2 feet in diameter oak tree grown together and leaning on each other, 1 foot southwest of 2 feet in diameter pine tree with old blaze, on outside of daylighted curve, 21 feet southeast of center line of All Year Highway; copper nail and Washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3920.333 ft.) Junction Point. T.B.M. S 18 - 2	37 43 18.05	119 38 59.43	790
137 Pohono Bridge, 1.00 miles north-east of, 3 feet east of 4 feet in diameter twisted oak tree with 4 forks, 50 feet northwest of 20 feet by 30 feet by 10 feet high granite boulder, 12 feet southeast of center line of All Year Highway, 70 feet southwest of center of southeast parapet of 1 foot in diameter galvanized iron pipe culvert; iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3958.026 ft.) T.B.M. S 18 - 3	37 43 22.36	119 38 46.58	1121

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
138 Pohono Bridge, 1.20 miles north-east of, 48 feet southeast of southeast point of concrete curb and flagpole of El Capitan Ranger Station, 7 feet west of 4 feet in diameter leaning oak tree at north angle of El Capitan Ranger Station Road and All Year Highway to Yosemite intersection; U.S.B.P.R. bench mark a brass cap on 2 inches in diameter galvanized iron pipe protruding 1 foot above ground, stamped "72 + 60.05, 000, 3976.04 feet 1926", being a temporary bench mark. (Elev. 3975.978 ft.) T.B.M. S 18 - 4	37 43 26.20	119 38 36.85	872.3
140 Pohono Bridge, 1.40 miles north-east of, about 75 feet north-east of center of north parapet of 1.5 feet in diameter galvanized iron pipe culvert, 8 feet north-west of 2 feet in diameter pine tree, 22 feet northwest of center line of AllYear Highway, about 200 feet southwest of 5 feet in diameter at base of leaning double oak tree on south edge of All Year Highway, at west edge of meadow; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 1 foot above ground, stamped "84 + 34.74, 3963.69 feet", being a temporary bench mark. (Elev. 3963.570 ft.) T.B.M. S 18 - 5	37 43 28.18	119 38 24.12	1042

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
141 Pohono Bridge, 1.55 miles north-east of, 3 feet southwest of 6 feet in diameter forked oak tree, 31 feet south of center line of All Year Highway, 156 feet west of 4 feet in diameter hollow, leaning, crooked lone pine tree; copper nail and washer cemented in 1½ inches in diameter wrought iron pipe protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3955.801 ft.) T.B.M. S 18 - 6	37 43 27.59	119 38 12.31	950.6
143 Pohono Bridge, 1.80 miles north-east of, along All Year Highway to Yosemite, 195 feet east of Head of brass bolt point of curve on All Year Highway southwest of intersection of All Year Highway and south leg of wye to El Capitan Bridge, 300 feet west of east face of west abutment of El Capitan Bridge, in meadow; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.5 feet above ground, unstamped being a temporary bench mark. (Elev. 3951.943 ft.) T.B.M. S 18 - 7 (Junction Point)	37 43 26.87	119 37 55.54	1349
84 Junction point previously described Closure Error	37 43 15.70	119 37 37.19	1858

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
FROM STATION 143, T.B.M. S 18 - 7 TO STATION 55, JUNCTION.			
143 T.B.M. S 18 - 7 Previously described.	37 43 26.87	119 37 55.54	
145 Pohono Bridge, 2.00 miles north-east of, along All Year Highway to Yosemite, 3 feet south of 4 feet in diameter Pine tree, 21 feet northwest of 5 feet by 7 feet by 3 feet high Granite boulder, 18 feet east of center line of All Year Highway, 160 feet south-east of 2 feet in diameter cottonwood tree at south end of Old Devil's Curve road, at horse-shoe bend of Merced River. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3951.137 ft.) T.B.M. S 18 - 8	37 43 34.01	119 37 46.68	1014
148 Pohono Bridge, 2.15 miles north-east of, along All Year Highway, 78 feet southwest of 5 feet in diameter Pine tree, 63 feet south-east of 4 feet in diameter Oak tree, 2 feet northeast of 5 feet in diameter cedar tree on south edge of All Year Highway, 12 feet south of center line of All Year Highway, about 100 ft. SW. of 5 ft. in diameter leaning Yellow Pine tree and leaning sugar pine tree 5 feet in diameter, on north edge of meadow. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3959.036 ft.) T.B.M. S 18 - 9	37 43 37.41	119 37 36.93	855

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
150 Pohono Bridge, 2.30 miles north-east of, 350 feet northeast of center of north parapet of 1 foot in diameter galvanized iron pipe culvert, 21 feet northwest of center line of All Year Highway, about 100 feet northwest of clump of cottonwood trees on northeast end of meadow, 4 feet southwest of 20 inches in diameter pine tree. Bronze tablet in concrete monument set flush with ground, stamped "S 19, 1933, 3952 TT", being a permanent bench mark. (Elev. 3952.028.) P.B.M. S 19	37 43 39.62	119 37 25.31	959
153 Pohono Bridge, 2.45 miles north-east of, along All Year Highway to Yosemite 24 feet north of center line of All Year Highway, 37 feet northeast of north end of 16 inches in diameter galvanized iron pipe culvert on skew, 145 feet northeast of 3.5 feet in diameter leaning Oak tree in clearing on south side of All Year Highway, 2 feet south of hollow 4 feet in diameter at base Cedar tree. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe, protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3962.637 ft.) T.B.M. S 19 - 1	37 43 38.29	119 37 17.44	647

INACTIVE FILES

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STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
155 Pohono Bridge, 2.60 miles north-east of, along All Year Highway, 81 feet east of north end of 10 inches in diameter galvanized iron pipe culvert, 30 feet north of center line of All Year Highway, 2 feet southwest of 20 inches in diameter Pine tree in northeast angle of intersection of old dirt road bearing north and All Year Highway. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3971.019 ft.) T.B.M. S 19 - 2	37 43 38.26	119 37 07.19	823
157 Pohono Bridge, 2.80 miles north-east of, along All Year Highway, 54 feet east of center of south parapet of 9 inches in diameter galvanized iron pipe culvert on skew, 22 feet south of center line of All Year Highway, 6 feet southeast of 3.5 feet in diameter Pine tree, 8 feet southwest of 2.5 feet in diameter pine tree. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3958.047 ft.) T.B.M. S - 19 - B	37 43 36.44	119 36 55.53	954

INACTIVE FILES

AmE

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
158 Pohono Bridge, 2.85 miles north-east of, along All Year Highway, 18 feet north of 7 feet in diameter at base Cedar tree, 20 feet southeast of center line of All Year Highway, 51 feet northeast of center of southeast parapet of 20 inches in diameter galvanized iron pipe culvert. U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.5 feet above ground, stamped " <u>166 + 47.20</u> , 3957.72", being a temporary bench mark. (Elev. 3957.717 ft.) T.B.M. S 19 - 4	37 43 37.49	119 36 49.43	501.9
159 Pohono Bridge, 3.00 miles north-east of, along All Year Highway, 18 feet east of center line of All Year Highway, 40 feet north of forked oak tree 3 feet in diameter, 100 feet northeast of 3 feet in diameter at base forked oak tree with forks intertwining. U.S.B.P.R. bench mark, brass cap on 2 inches in diameter galvanized iron pipe protruding 1.5 feet above ground, stamped " <u>112 + 15.31</u> , 3964.95", being a temporary bench mark. (Elev. 3964.966 ft.) T.B.M. S 19 - 5	37 43 43.01	119 36 43.62	726.8

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
160 Pohono Bridge, 3.15 miles north-east of, along All Year Highway, about 270 feet north of center of east parapet of 1 foot in diameter galvanized iron pipe culvert, 57 feet east of center line of All Year Highway, about 240 feet east of telephone pole, 5 feet northeast of 5 feet in diameter pine tree, in clearing. Bronze tablet in concrete monument, set flush with ground, stamped "S 20, 1933, 3970 TT", being a permanent bench mark. (Elev. 3969.771 ft.) P.B.M. S 20.	37 43 50.05	119 36 39.40	788.9
162 Pohono Bridge, 3.30 miles north-east of, along All Year Highway to Yosemite, about 235 feet north of center of east parapet of 4 feet in diameter galvanized iron pipe culvert, 130 feet north of telephone pole at pole line crossing of All Year Highway, 24 feet east of center line of All Year Highway, 3.5 feet east of two 20 inches in diameter pine trees 3 feet apart on east edge of All Year Highway. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3961.539 ft.) T.B.M. S 20 - 1	37 43 58.48	119 36 37.25	970

INACTIVE FILES

✓ H.M.E.

YOSEMITE VALLEY NATIONAL PARK (contd.) DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>166 Pohono Bridge, 3.65 miles north-east of, along All Year Highway, 42 feet west of center line of All Year Highway, 225 feet west of concrete foundation of a round house, 36 feet northwest of west end of 1 foot in diameter galvanized iron pipe culvert, 7 feet north of 2.5 feet in diameter Cedar tree. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3960.752.) T.B.M. S 20 - 2</p>	37 44 14.51	119 36 26.99	1729
<p>168 Pohono Bridge, 3.85 miles north-east of, along All Year Highway to Yosemite, 4 feet northwest of telephone pole, 27 feet northwest of center line of All Year Highway, in clearing, 156 feet north of telephone pole at crossing of telephone pole line and All Year Highway. Bronze tablet in concrete monument set flush with ground, stamped "S 21, 1933, 3969 TT", being a permanent bench mark. (Elev. 3968.569 ft.) P.B.M. S - 21 (Calif. Zone 3) X=2,258.916. Y= 452,566.</p>	37 44 22.44	119 36 16.56	1159
<p>169 Pohono Bridge, 4.00 miles north-east of, along All Year Highway 11 feet southeast of 3 feet in diameter cedar tree, 26 feet southeast of center line of All Year Highway, in small clearing, about 110 feet northeast of southeast end of 1 foot in diameter galvanized iron pipe culvert. Copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3968.542 ft.) T.B.M. S 21 - 1</p>	37 44 26.12	119 36 07.61	809.7

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
171 Pohono Bridge, 4.20 miles north-east of, along All Year Highway, 21 feet southeast of All Year Highway, at forks of All Year Highway and old dirt road bearing northeast, 4.5 feet southwest of 6 feet in diameter double cedar tree, in northeast angle of forks of road. Copper nail and washer cemented in 2 inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3973.617') T.B.M. S 21 - 2	37 44 34.51	119 35 56.33	1242
172 Pohono Bridge, 4.35 miles north-east of, along All Year Highway, 27 feet west of center line of All Year Highway to Yosemite, at north end of wye, 294 feet north of telephone pole at pole line crossing of All Year Highway, 255 feet southwest of galvanized iron pipe flag pole in front of Yosemite Lodge. Bronze tablet in concrete monument set flush with ground, stamped "S 22, 1933, 3976 TT", being a permanent bench mark. (Elev. 3976.319 ft.)	Not Description		
P.B.M. S 22 (Reported not found in 1956). <small>Recovered</small>	37 44 39.98	119 35 52.29	641.3
174 Pohono Bridge, 4.50 miles north-east of, along All Year Highway, 5 feet northwest of 1.5 feet in diameter cedar tree, 84 feet northwest of west end of north side of Rubble Arch bridge 75 feet long. Previously established copper nail and washer (unstamped) cemented in 2 inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3961.205 ft.) T.B.M. S 22 - 1	37 44 44.24	119 35 40.13	1068

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
178 Pohono Bridge, 4.70 miles north-east of, along All Year Highway and road to school house, 75 feet east of east corner of construction warehouse frame building, midway between two 4 feet in diameter Oak trees in a line bearing north-east and south west, 138 feet southeast of telephone pole at pole line crossing of road bearing southwest and northeast to school house. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3968.073 ft.) T.B.M. S 22 - 3	37 44 51.66	119 35 26.98	590
179 Pohono Bridge, about 4.80 miles northeast of, along All Year Highway and road to school house, at school house, 75 feet north west of west corner of rubble foundation of school house, 24 feet southeast of intersection of wye with road bearing north and south. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3972.664 ft.) T.B.M. S 22 - 4	37 44 57.28	119 35 26.07	573.3

INACTIVE FILES

1927 N. A. D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
181 New Village School house, 0.06 miles east of, near mail box, 39 feet southwest of intersection of center lines of roads bearing north and south and east and west, near government shops, 60 feet south of center of weighing scale, 3.5 feet northeast of 1.5 feet in diameter Cedar tree. Copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3988.003 ft.) T.B.M. S 22 - 5	37 44 58.41	119 35 19.10	572
182 Administration Bldg. of Yosemite National Park, 0.10 miles north of, about 90 feet northeast of intersection of road to Administration Bldg. and road to school house, 185 feet southwest of 8 feet in diameter Oak tree, 4 feet north of 2.5 feet in diameter Sugar pine tree, 8 feet southeast of 2.5 feet in diameter Cedar tree, 12 feet northeast of 2.5 feet in diameter Sugar pine tree, on 2.5 feet by 2.5 feet by 0.80 feet above ground Granite rock in place. Iron bolt with head being $\frac{3}{8}$ inches in diameter cemented in rock, being a temporary bench mark. (Elev. 3995.828 ft.) T.B.M. S-22-6	37 44 58.57	119 35 14.39	378.4
185 Administration Building of Yosemite National Park, 5 feet south of southeast edge of southeast column of east porch of, 225 feet northeast of back of rubble fire place of Rangers' Club, 23 feet northwest of center line of Road to Post Office from Old Village. Bronze tablet in concrete monument set flush with ground and stamped "S 23, 1933, 3985 TT", being a permanent bench mark. (Elev. 3985.183 ft.) P.B.M. S 23	37 44 52.82	119 35 13.52	586

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
187 Yosemite National Park Post Office, 75 feet south of southeast corner of, 45 feet south of center line of road bearing east and west, 2 feet northwest of 4 feet in dia- meter leaning oak tree, 8.5 feet northeast of "The Corey" 6 inches in diameter fire hydrant. Copper nail and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3988.482 ft.) T.B.M. S 23 - 1	37 44 52.81	119 35 06.27	582
189 Yosemite National Park Post Office, about 0.10 miles east of, 220 feet east of south end of 12 inches in diameter galvanized iron pipe culvert, 54 feet southeast of triple Oak tree, each trunk being 20 inches in diameter, 2 feet west of 1 foot in diameter cedar tree, at forks of road to Post Office and road to Service Station bearing southerly. U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.70 feet above ground, unstamped, being a temporary bench mark. (Elev. 3981.985 ft.) T.B.M. S 23 - 2	37 44 50.95	119 34 57.09	761

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
191 Yosemite National Park Post Office, 0.2 miles east of, along New Village - Mirror Lake road, 63 feet northwest of center line of New Village - Mirror Lake road, 27 feet northwest of 4 feet in diameter Oak tree on north edge of New Village - Mirror Lake road, 6 feet north- east of 4 feet in diameter Oak tree, 6 feet south of 3 feet in diameter Oak tree, 8 feet southwest of 4 feet in diameter Oak tree on north edge of meadow. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3987.814 ft.) T.B.M. S 23 - 3	37 44 55.26	119 34 48.66	805
193 Yosemite National Park Post Office, 0.40 miles east of, along New Village - Mirror Lake road, 3 feet south of center of triple Oak tree, 93 feet southwest of southwest corner of Ahwahnee rubble checking station, at intersection of New Village - Mirror Lake road and road to Stoneman Bridge. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3977.283 ft.) T.B.M. S 23 - 4	37 44 51.97	119 34 37.61	947

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
196 U.S.G.S. B.M. Station No. 55, north side of road, 45 feet from road, opposite road from Kinney- ville to Camp Curry in large flat- topped rock, nearly level with surface of ground; bronze tablet stamped "3,977" (?) Elevation 3,976.963 feet. Tie point. (U.S.G.S. Bulletin 766, p. 461)			
Note: - Tablet is stamped "3977 B 1919", tablet being back of Ahwahnee hotel, in good condition, and undisturbed.			
Note: - "1919" stamped by us in field. U.S.G.S. BM. No. 55 Closure error	37 44 49.96	119 34 22.53	1229
STATION 196, U.S G.S. B.M. No. 55 TO STATION 9, T.B.M. 93 - 4.			
196 U.S.G.S. B.M. No. 55 Previously described.	37 44 49.96	119 34 22.53	
198 In front of Ahwahnee hotel at edge of front side walk, 9 feet south of Pine tree in circular concrete sidewalk, 45 feet southwest of west edge of automobile driveway, 60 feet east of second angle in wall of building. Bronze tablet in concrete monument set flush with ground and stamped "S 26 1933, 3976 TT", being a permanent bench mark. (Elev. 3976.076 ft.)	37 43 50.72	119 34 21.31	(Prel. 195
P.B.M. S - 26 Elev.: 3976.964 ft. (Spirit leveling by G.M. Smith, 1933)	37 44 46.39	119 34 22.58	361
199 Junction to station 222	37 44 38.37	119 34 22.56	811

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
200 Yosemite National Park Post Office, 0.4 miles east of, along New Village - Mirror Lake Road; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.2 miles east along Old Village - Mirror Lake Road; on a rubble arch bridge over Merced River. Copper nail and washer stamped " <u>U.S.G.S.</u> <u>B.M.</u> " cemented in the middle 16th curbstone on northwest curb of rubble arch bridge, being a temp- orary bench mark. (Elev. 3975.163 ft.) T.B.M. S 23 - 7	37 44 39.11	119 34 19.88	227
202 Yosemite National Park Post Office, 0.4 mile east of, along New Village - Mirror Lake Road; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.3 miles east along Old Village - Mirror Lake Road, about 125 feet east of rubble bridge over Merced River, on south edge of Old Village - Mirror Lake Road. Chisled cross on large letter " <u>S</u> " on cast iron manhole cover number 11, being a temporary bench mark. (Elev. 3978.196 ft.) T.B.M. S - 23 - 8	37 44 40.86	119 34 05.07	1203

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
204 Yosemite National Park Post Office, 0.4 miles east of; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.4 miles east along Old Village - Mirror Lake Road; 19 feet northwest of 2 feet in diameter cedar tree, 30 feet northeast of 18 inches in diameter cedar tree, 70 feet east of east end of 18 inches in diameter galvanized iron pipe culvert under bridal path forking toward Mirror Lake and toward Yosemite Falls, 27 feet southeast of center line of road leading to Mirror Lake, in northeast angle of intersection of Old Village - Mirror Lake Road, and old dirt road bearing southeasterly. Bronze tablet in concrete monument set flush with ground and stamped "S 24, 1933, 3980, TT", being a permanent bench mark. (Elev. 3979.592 ft.) P.B.M. S - 24 (Calif. Zone 3) X=2,270,175. Y= 454,648.	37 44 41.93	119 33 56.14	725
207 Yosemite National Park Post Office, 0.4 miles east of; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.5 miles east along Old Village - Mirror Lake Road; 45 feet north of center line of road, on outside of curve in center of small circle of small granite rocks, 4 feet southwest of 2.5 feet in diameter sugar pine tree, about 430 feet northwest of intersection of camp 9 road and road to Mirror Lake, said point of intersection being located about 100 feet west of galvanized iron pipe culvert over each road. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3994.730 ft.) T.B.M. S 24 - 1	37 44 42.13	119 33 43.91	982

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
209 Yosemite National Park Post Office, 0.4 miles east of; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.7 miles east along Old Village - Mirror Lake Road; 450 feet south- east of intersection of Camp 9 road and road to Mirror Lake, 350 feet southeast of center of 20 inches in diameter galvanized iron pipe culvert under Old Village - Mirror Lake Road, 8 feet south of 5.5 feet in diameter Yellow Pine tree on southedge of said road opposite another 5.5 ft. in diameter Yellow Pine tree on north edge of said road. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3991.178 ft.) T.B.M. S 24 - 2	37 44 35.83	119 33 37.39	826
9 T.B.M. 93 - 2, Previously described. Tie point. Closure error	37 44 36.99	119 33 20.86	1332
14 T.B.M. 93 - 4, Previously described.	37 44 22.15	119 33 32.40	
FROM STATION 14, T.B.M. 93 - 4 TO STATION 35, T.B.M. S 9 - 2.			
214 Mirror Lake, 1 mile southwest of; thence 0.2 miles west along road; 2 feet north of 2.5 feet in dia- meter Pine tree, 52 feet south of center line of road, 12 feet north- east of 3 feet in diameter pine tree, 24 feet southeast of 3 feet in diameter Pine tree, 270 feet northeast of north end of west side of bridge. Copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3983.619 ft.) T.B.M. "F"	37 44 22.95	119 33 46.27	1116

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
176 Pohono Bridge, 4.60 miles northeast of, along All Year Highway, 6 feet southwest of 6 feet in diameter hollow Oak tree, 36 feet northwest of All Year Highway, in Road forks of All Year Highway and road bearing north, 106 feet east of rubble fire place on frame dwelling house. Junction to station 234. Copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3963.301 ft.) T.B.M. S 22 - 2	37 44 46.16	119 35 29.43	881
234 Old Village, 0.2 miles north of, 42 feet southeast of center line of All Year Highway, about 170 feet northwest of forks of center line of road bearing northwest from Old Village, on manhole lining. Chisled cross on east edge of concrete manhole lining, being a temporary bench mark. (Elev. 3965.6 ft.) T.B.M. "A"	37 44 46.91	119 35 24.29	420.2
232 Yosemite Valley, at junction of roads, north side of river, north and east side of roads, 150 feet northeast of, iron bridge over Merced River at Sentinel Hotel, in center of top of concrete pier 2.5 feet high, base 20 by 20 inches, and top 12 by 12 inches; aluminum plug stamped with a triangle and "U.S.G.S." Elevation 3960.536 (1905). Immediately over the above bench mark is a rectangular aluminum plate half inch thick marked "Charles D. Wolcott, Director U.S. Geological Survey, latitude 37°44'40", longitude 119°35'21" (Elevation 3960.578)			

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>116 Happy Isles Bridge, 0.05 miles in a general westerly direction from, along road passing through Old Village, 10 feet southeast of southeast end of southwest parapet of Pohono Bridge, said bridge being a rubble arch over Merced River, 5 feet south of 5 feet in diameter pine tree, 24 feet southwest of center line of road to Old Village; bronze tablet in concrete monument set flush with ground, stamped, "S 17, 1933, 3881 TT", being a permanent bench mark. (Elev. 3880.519 ft.) P.B.M. S 17 CALIF. ZONE 3 X=2,241,455. Y= 443,965.</p>	<p>37 42 59.00</p>	<p>119 39 54.89</p>	<p>660</p>
<p>117 Pohono Bridge, 0.02 miles northwest of; Pohono Bridge southwest of parapet, 102 feet northwest of northwest end of, 11 feet northeast of 20 inches in diameter pine tree, north of All Year Highway to Yosemite; U.S.B.P.R. bench mark a brass cap on 2 inches in diameter galvanized iron pipe protruding 1.0 foot above ground, stamped "0 + 87.06, 408+77.06, 3883.04 feet 1920", being a temporary bench mark. (Elev. 3882.894ft.) T.B.M. S 17 - 1</p>	<p>37 43 01.52</p>	<p>119 39 55.02</p>	<p>254.1</p>

INACTIVE FILES

Y 2/11/18

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
120 Pohono Bridge, 0.15 miles east of 24 feet southeast of All Year Highway, 4 feet southeast of 3.5 feet in diameter pine tree, 35 feet west of leaning oak tree 3 feet in diameter at base, 170 feet southwest of "Valley View" sign; copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3879.508 ft.) T.B.M. S 17 - 2	37 43 01.36	119 39 40.91	1134
122 Pohono Bridge, 0.30 miles east of, 30 feet west of 4 feet in diameter pine tree, 18 feet west of center line of All Year Highway, 67 feet southwest of center of northwest parapet of 26 inches in-diameter galvanized iron pipe culvert; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 1 foot above ground, stamped " <u>19 + 91.72, 3890.29 feet 1928</u> ", being a temporary bench mark. (Elev. 3890.176 ft.) T.B.M. S 17 - 3	37 43 08.41	119 39 35.26	846
124 Pohono Bridge, 0.45 mile northeast of, 3 feet southeast of 2.5 feet in diameter pine tree, about 114 feet west of center of southeast end of 1 foot in diameter galvanized iron pipe culvert located at end of riprap, 18 feet north of center line of All Year Highway, 216 feet southwest of granite boulder 8 feet by 10 feet by 8 feet high with overhang crack near top; copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3892.402 ft.) T.B.M. S 17 - 4	37 43 09.33	119 39 25.71	773

INACTIVE FILES

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
128 Pohono Bridge, 0.65 miles north-east of, about 225 feet north-east of large broken granite boulders on southeast edge of All Year Highway to Yosemite, about 235 feet southwest of 12 feet by 20 feet by 4 feet high granite boulder with eye bolt cemented in top and located above northwest edge of All Year Highway to Yosemite, 36 feet south-east of center line of All Year Highway to Yosemite, 8 feet south of 3 feet in diameter leaning pine tree; bronze tablet cemented in 18 inches by 48 inches by 6 inches above ground granite boulder in place, stamped "S 18, 1933, 3908 TT", being a permanent bench mark. (Elev. 3907.919 ft.) P.B.M. S 18	37 43 12.84	119 39 14.47	970
131 Pohono Bridge, 0.75 miles north-east of, about 132 feet northeast of center of northwest parapet of 1 foot in diameter galvanized iron pipe culvert, 65 feet north-east of 2.5 feet in diameter oak tree with burls and located on east side of large granite boulder, 30 feet northwest of center line of All Year Highway, 2.5 feet east of 3 feet in diameter pine tree; copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3917.936 ft.) T.B.M. S 18 - 1	37 43 16.73	119 39 09.13	582

INACTIVE FILES

HME

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
134 Pohono Bridge, 0.85 miles north-east of, 190 feet northeast of center of northwest parapet of 1 foot in diameter galvanized iron pipe culvert, 15 feet southwest of 2 feet in diameter cedar tree and 2 feet in diameter oak tree grown together and leaning on each other, 1 foot southwest of 2 feet in diameter pine tree with old blaze, on outside of daylighted curve, 21 feet southeast of center line of All Year Highway; copper nail and Washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3920.333 ft.) Junction Point. T.B.M. S 18 - 2	37 43 18.05	119 38 59.43	790
137 Pohono Bridge, 1.00 miles north-east of, 3 feet east of 4 feet in diameter twisted oak tree with 4 forks, 50 feet northwest of 20 feet by 30 feet by 10 feet high granite boulder, 12 feet southeast of center line of All Year Highway, 70 feet southwest of center of southeast parapet of 1 foot in diameter galvanized iron pipe culvert; iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3958.026 ft.) T.B.M. S 18 - 3	37 43 22.36	119 38 46.58	1121

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
138 Pohono Bridge, 1.20 miles north-east of, 48 feet southeast of southeast point of concrete curb and flagpole of El Capitan Ranger Station, 7 feet west of 4 feet in diameter leaning oak tree at north angle of El Capitan Ranger Station Road and All Year Highway to Yosemite intersection; U.S.B.P.R. bench mark a brass cap on 2 inches in diameter galvanized iron pipe protruding 1 foot above ground, stamped "72 + 60.05, 000, 3976.04 feet 1926", being a temporary bench mark. (Elev. 3975.978 ft.) T.B.M. S 18 - 4	37 43 26.20	119 38 36.85	872.3
140 Pohono Bridge, 1.40 miles north-east of, about 75 feet north-east of center of north parapet of 1.5 feet in diameter galvanized iron pipe culvert, 8 feet north-west of 2 feet in diameter pine tree, 22 feet northwest of center line of AllYear Highway, about 200 feet southwest of 5 feet in diameter at base of leaning double oak tree on south edge of All Year Highway, at west edge of meadow; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 1 foot above ground, stamped "84 + 34.74, 3963.69 feet", being a temporary bench mark. (Elev. 3963.570 ft.) T.B.M. S 18 - 5	37 43 28.18	119 38 24.12	1042

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
141 Pohono Bridge, 1.55 miles north-east of, 3 feet southwest of 6 feet in diameter forked oak tree, 31 feet south of center line of All Year Highway, 156 feet west of 4 feet in diameter hollow, leaning, crooked lone pine tree; copper nail and washer cemented in 1½ inches in diameter wrought iron pipe protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3955.801 ft.) T.B.M. S 18 - 6	37 43 27.59	119 38 12.31	950.6
143 Pohono Bridge, 1.80 miles north-east of, along All Year Highway to Yosemite, 195 feet east of Head of brass bolt point of curve on All Year Highway southwest of intersection of All Year Highway and south leg of wye to El Capitan Bridge, 300 feet west of east face of west abutment of El Capitan Bridge, in meadow; U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.5 feet above ground, unstamped being a temporary bench mark. (Elev. 3951.943 ft.) T.B.M. S 18 - 7 (Junction Point)	37 43 26.87	119 37 55.54	1349
84 Junction point previously described Closure Error	37 43 15.70	119 37 37.19	1858

INACTIVE FILES

9-776

1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
FROM STATION 143, T.B.M. S 18 - 7 TO STATION 55, JUNCTION.			
143 T.B.M. S 18 - 7 Previously described.	37 43 26.87	119 37 55.54	
145 Pohono Bridge, 2.00 miles north-east of, along All Year Highway to Yosemite, 3 feet south of 4 feet in diameter Pine tree, 21 feet northwest of 5 feet by 7 feet by 3 feet high Granite boulder, 18 feet east of center line of All Year Highway, 160 feet south-east of 2 feet in diameter cottonwood tree at south end of Old Devil's Curve road, at horse-shoe bend of Merced River. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3951.137 ft.) T.B.M. S 18 - 8	37 43 34.01	119 37 46.68	1014
148 Pohono Bridge, 2.15 miles north-east of, along All Year Highway, 78 feet southwest of 5 feet in diameter Pine tree, 63 feet south-east of 4 feet in diameter Oak tree, 2 feet northeast of 5 feet in diameter cedar tree on south edge of All Year Highway, 12 feet south of center line of All Year Highway, about 100 ft. SW. of 5 ft. in diameter leaning Yellow Pine tree and leaning sugar pine tree 5 feet in diameter, on north edge of meadow. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3959.036 ft.) T.B.M. S 18 - 9	37 43 37.41	119 37 36.93	855

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
150 Pohono Bridge, 2.30 miles north-east of, 350 feet northeast of center of north parapet of 1 foot in diameter galvanized iron pipe culvert, 21 feet northwest of center line of All Year Highway, about 100 feet northwest of clump of cottonwood trees on northeast end of meadow, 4 feet southwest of 20 inches in diameter pine tree. Bronze tablet in concrete monument set flush with ground, stamped "S 19, 1933, 3952 TT", being a permanent bench mark. (Elev. 3952.028.) P.B.M. S 19	37 43 39.62	119 37 25.31	959
153 Pohono Bridge, 2.45 miles north-east of, along All Year Highway to Yosemite 24 feet north of center line of All Year Highway, 37 feet northeast of north end of 16 inches in diameter galvanized iron pipe culvert on skew, 145 feet northeast of 3.5 feet in diameter leaning Oak tree in clearing on south side of All Year Highway, 2 feet south of hollow 4 feet in diameter at base Cedar tree. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe, protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3962.637 ft.) T.B.M. S 19 - 1	37 43 38.29	119 37 17.44	647

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
155 Pohono Bridge, 2.60 miles north-east of, along All Year Highway, 81 feet east of north end of 10 inches in diameter galvanized iron pipe culvert, 30 feet north of center line of All Year Highway, 2 feet southwest of 20 inches in diameter Pine tree in northeast angle of intersection of old dirt road bearing north and All Year Highway. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3971.019 ft.) T.B.M. S 19 - 2	37 43 38.26	119 37 07.19	823
157 Pohono Bridge, 2.80 miles north-east of, along All Year Highway, 54 feet east of center of south parapet of 9 inches in diameter galvanized iron pipe culvert on skew, 22 feet south of center line of All Year Highway, 6 feet southeast of 3.5 feet in diameter Pine tree, 8 feet southwest of 2.5 feet in diameter pine tree. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3958.047 ft.) T.B.M. S - 19 - B	37 43 36.44	119 36 55.53	954

INACTIVE FILES

AmE

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
158 Pohono Bridge, 2.85 miles north-east of, along All Year Highway, 18 feet north of 7 feet in diameter at base Cedar tree, 20 feet southeast of center line of All Year Highway, 51 feet northeast of center of southeast parapet of 20 inches in diameter galvanized iron pipe culvert. U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.5 feet above ground, stamped " <u>166 + 47.20</u> , 3957.72", being a temporary bench mark. (Elev. 3957.717 ft.) T.B.M. S 19 - 4	37 43 37.49	119 36 49.43	501.9
159 Pohono Bridge, 3.00 miles north-east of, along All Year Highway, 18 feet east of center line of All Year Highway, 40 feet north of forked oak tree 3 feet in diameter, 100 feet northeast of 3 feet in diameter at base forked oak tree with forks intertwining. U.S.B.P.R. bench mark, brass cap on 2 inches in diameter galvanized iron pipe protruding 1.5 feet above ground, stamped " <u>112 + 15.31</u> , 3964.95", being a temporary bench mark. (Elev. 3964.966 ft.) T.B.M. S 19 - 5	37 43 43.01	119 36 43.62	726.8

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
160 Pohono Bridge, 3.15 miles north-east of, along All Year Highway, about 270 feet north of center of east parapet of 1 foot in diameter galvanized iron pipe culvert, 57 feet east of center line of All Year Highway, about 240 feet east of telephone pole, 5 feet northeast of 5 feet in diameter pine tree, in clearing. Bronze tablet in concrete monument, set flush with ground, stamped "S 20, 1933, 3970 TT", being a permanent bench mark. (Elev. 3969.771 ft.) P.B.M. S 20.	37 43 50.05	119 36 39.40	788.9
162 Pohono Bridge, 3.30 miles north-east of, along All Year Highway to Yosemite, about 235 feet north of center of east parapet of 4 feet in diameter galvanized iron pipe culvert, 130 feet north of telephone pole at pole line crossing of All Year Highway, 24 feet east of center line of All Year Highway, 3.5 feet east of two 20 inches in diameter pine trees 3 feet apart on east edge of All Year Highway. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3961.539 ft.) T.B.M. S 20 - 1	37 43 58.48	119 36 37.25	970

INACTIVE FILES

✓ H.M.E.

YOSEMITE VALLEY NATIONAL PARK (contd.) DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
<p>166 Pohono Bridge, 3.65 miles north-east of, along All Year Highway, 42 feet west of center line of All Year Highway, 225 feet west of concrete foundation of a round house, 36 feet northwest of west end of 1 foot in diameter galvanized iron pipe culvert, 7 feet north of 2.5 feet in diameter Cedar tree. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3960.752.) T.B.M. S 20 - 2</p>	37 44 14.51	119 36 26.99	1729
<p>168 Pohono Bridge, 3.85 miles north-east of, along All Year Highway to Yosemite, 4 feet northwest of telephone pole, 27 feet northwest of center line of All Year Highway, in clearing, 156 feet north of telephone pole at crossing of telephone pole line and All Year Highway. Bronze tablet in concrete monument set flush with ground, stamped "S 21, 1933, 3969 TT", being a permanent bench mark. (Elev. 3968.569 ft.) P.B.M. S - 21 (Calif. Zone 3) X=2,258.916. Y= 452,566.</p>	37 44 22.44	119 36 16.56	1159
<p>169 Pohono Bridge, 4.00 miles north-east of, along All Year Highway 11 feet southeast of 3 feet in diameter cedar tree, 26 feet southeast of center line of All Year Highway, in small clearing, about 110 feet northeast of southeast end of 1 foot in diameter galvanized iron pipe culvert. Copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3968.542 ft.) T.B.M. S 21 - 1</p>	37 44 26.12	119 36 07.61	809.7

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
171 Pohono Bridge, 4.20 miles north-east of, along All Year Highway, 21 feet southeast of All Year Highway, at forks of All Year Highway and old dirt road bearing northeast, 4.5 feet southwest of 6 feet in diameter double cedar tree, in northeast angle of forks of road. Copper nail and washer cemented in 2 inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3973.617') T.B.M. S 21 - 2	37 44 34.51	119 35 56.33	1242
172 Pohono Bridge, 4.35 miles north-east of, along All Year Highway, 27 feet west of center line of All Year Highway to Yosemite, at north end of wye, 294 feet north of telephone pole at pole line crossing of All Year Highway, 255 feet southwest of galvanized iron pipe flag pole in front of Yosemite Lodge. Bronze tablet in concrete monument set flush with ground, stamped "S 22, 1933, 3976 TT", being a permanent bench mark. (Elev. 3976.319 ft.)	Not Description		
P.B.M. S 22 (Reported not found in 1956). <small>Recovered</small>	37 44 39.98	119 35 52.29	641.3
174 Pohono Bridge, 4.50 miles north-east of, along All Year Highway, 5 feet northwest of 1.5 feet in diameter cedar tree, 84 feet northwest of west end of north side of Rubble Arch bridge 75 feet long. Previously established copper nail and washer (unstamped) cemented in 2 inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3961.205 ft.) T.B.M. S 22 - 1	37 44 44.24	119 35 40.13	1068

INACTIVE FILES

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1927 N.A.D.

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
178 Pohono Bridge, 4.70 miles north-east of, along All Year Highway and road to school house, 75 feet east of east corner of construction warehouse frame building, midway between two 4 feet in diameter Oak trees in a line bearing north-east and south west, 138 feet southeast of telephone pole at pole line crossing of road bearing southwest and northeast to school house. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe protruding 0.1 feet above ground, being a temporary bench mark. (Elev. 3968.073 ft.) T.B.M. S 22 - 3	37 44 51.66	119 35 26.98	590
179 Pohono Bridge, about 4.80 miles northeast of, along All Year Highway and road to school house, at school house, 75 feet north west of west corner of rubble foundation of school house, 24 feet southeast of intersection of wye with road bearing north and south. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3972.664 ft.) T.B.M. S 22 - 4	37 44 57.28	119 35 26.07	573.3

INACTIVE FILES

1927 N. A. D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
181 New Village School house, 0.06 miles east of, near mail box, 39 feet southwest of intersection of center lines of roads bearing north and south and east and west, near government shops, 60 feet south of center of weighing scale, 3.5 feet northeast of 1.5 feet in diameter Cedar tree. Copper nail and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3988.003 ft.) T.B.M. S 22 - 5	37 44 58.41	119 35 19.10	572
182 Administration Bldg. of Yosemite National Park, 0.10 miles north of, about 90 feet northeast of intersection of road to Administration Bldg. and road to school house, 185 feet southwest of 8 feet in diameter Oak tree, 4 feet north of 2.5 feet in diameter Sugar pine tree, 8 feet southeast of 2.5 feet in diameter Cedar tree, 12 feet northeast of 2.5 feet in diameter Sugar pine tree, on 2.5 feet by 2.5 feet by 0.80 feet above ground Granite rock in place. Iron bolt with head being $\frac{3}{8}$ inches in diameter cemented in rock, being a temporary bench mark. (Elev. 3995.828 ft.) T.B.M. S-22-6	37 44 58.57	119 35 14.39	378.4
185 Administration Building of Yosemite National Park, 5 feet south of southeast edge of southeast column of east porch of, 225 feet northeast of back of rubble fire place of Rangers' Club, 23 feet northwest of center line of Road to Post Office from Old Village. Bronze tablet in concrete monument set flush with ground and stamped "S 23, 1933, 3985 TT", being a permanent bench mark. (Elev. 3985.183 ft.) P.B.M. S 23	37 44 52.82	119 35 13.52	586

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
187 Yosemite National Park Post Office, 75 feet south of southeast corner of, 45 feet south of center line of road bearing east and west, 2 feet northwest of 4 feet in dia- meter leaning oak tree, 8.5 feet northeast of "The Corey" 6 inches in diameter fire hydrant. Copper nail and washer cemented in 1½ inches in diameter wrought iron pipe set flush with ground, being a temporary bench mark. (Elev. 3988.482 ft.) T.B.M. S 23 - 1	37 44 52.81	119 35 06.27	582
189 Yosemite National Park Post Office, about 0.10 miles east of, 220 feet east of south end of 12 inches in diameter galvanized iron pipe culvert, 54 feet southeast of triple Oak tree, each trunk being 20 inches in diameter, 2 feet west of 1 foot in diameter cedar tree, at forks of road to Post Office and road to Service Station bearing southerly. U.S.B.P.R. bench mark, a brass cap on 2 inches in diameter galvanized iron pipe protruding 0.70 feet above ground, unstamped, being a temporary bench mark. (Elev. 3981.985 ft.) T.B.M. S 23 - 2	37 44 50.95	119 34 57.09	761

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
191 Yosemite National Park Post Office, 0.2 miles east of, along New Village - Mirror Lake road, 63 feet northwest of center line of New Village - Mirror Lake road, 27 feet northwest of 4 feet in diameter Oak tree on north edge of New Village - Mirror Lake road, 6 feet north- east of 4 feet in diameter Oak tree, 6 feet south of 3 feet in diameter Oak tree, 8 feet southwest of 4 feet in diameter Oak tree on north edge of meadow. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3987.814 ft.) T.B.M. S 23 - 3	37 44 55.26	119 34 48.66	805
193 Yosemite National Park Post Office, 0.40 miles east of, along New Village - Mirror Lake road, 3 feet south of center of triple Oak tree, 93 feet southwest of southwest corner of Ahwahnee rubble checking station, at intersection of New Village - Mirror Lake road and road to Stoneman Bridge. Iron bolt and washer cemented in $1\frac{1}{2}$ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3977.283 ft.) T.B.M. S 23 - 4	37 44 51.97	119 34 37.61	947

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
196 U.S.G.S. B.M. Station No. 55, north side of road, 45 feet from road, opposite road from Kinney- ville to Camp Curry in large flat- topped rock, nearly level with surface of ground; bronze tablet stamped "3,977" (?) Elevation 3,976.963 feet. Tie point. (U.S.G.S. Bulletin 766, p. 461)			
Note: - Tablet is stamped "3977 B 1919", tablet being back of Ahwahnee hotel, in good condition, and undisturbed.			
Note: - "1919" stamped by us in field. U.S.G.S. BM. No. 55 Closure error	37 44 49.96	119 34 22.53	1229
STATION 196, U.S G.S. B.M. No. 55 TO STATION 9, T.B.M. 93 - 4.			
196 U.S.G.S. B.M. No. 55 Previously described.	37 44 49.96	119 34 22.53	
198 In front of Ahwahnee hotel at edge of front side walk, 9 feet south of Pine tree in circular concrete sidewalk, 45 feet southwest of west edge of automobile driveway, 60 feet east of second angle in wall of building. Bronze tablet in concrete monument set flush with ground and stamped "S 26 1933, 3976 TT", being a permanent bench mark. (Elev. 3976.076 ft.)	37 43 50.72	119 34 21.31	(Prel. 195
P.B.M. S - 26 Elev.: 3976.964 ft. (Spirit leveling by G.M. Smith, 1933)	37 44 46.39	119 34 22.58	361
199 Junction to station 222	37 44 38.37	119 34 22.56	811

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
200 Yosemite National Park Post Office, 0.4 miles east of, along New Village - Mirror Lake Road; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.2 miles east along Old Village - Mirror Lake Road; on a rubble arch bridge over Merced River. Copper nail and washer stamped " <u>U.S.G.S.</u> <u>B.M.</u> " cemented in the middle 16th curbstone on northwest curb of rubble arch bridge, being a temp- orary bench mark. (Elev. 3975.163 ft.) T.B.M. S 23 - 7	37 44 39.11	119 34 19.88	227
202 Yosemite National Park Post Office, 0.4 mile east of, along New Village - Mirror Lake Road; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.3 miles east along Old Village - Mirror Lake Road, about 125 feet east of rubble bridge over Merced River, on south edge of Old Village - Mirror Lake Road. Chisled cross on large letter " <u>S</u> " on cast iron manhole cover number 11, being a temporary bench mark. (Elev. 3978.196 ft.) T.B.M. S - 23 - 8	37 44 40.86	119 34 05.07	1203

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
204 Yosemite National Park Post Office, 0.4 miles east of; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.4 miles east along Old Village - Mirror Lake Road; 19 feet northwest of 2 feet in diameter cedar tree, 30 feet northeast of 18 inches in diameter cedar tree, 70 feet east of east end of 18 inches in diameter galvanized iron pipe culvert under bridal path forking toward Mirror Lake and toward Yosemite Falls, 27 feet southeast of center line of road leading to Mirror Lake, in northeast angle of intersection of Old Village - Mirror Lake Road, and old dirt road bearing southeasterly. Bronze tablet in concrete monument set flush with ground and stamped "S 24, 1933, 3980, TT", being a permanent bench mark. (Elev. 3979.592 ft.) P.B.M. S - 24 (Calif. Zone 3) X=2,270,175. Y= 454,648.	37 44 41.93	119 33 56.14	725
207 Yosemite National Park Post Office, 0.4 miles east of; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.5 miles east along Old Village - Mirror Lake Road; 45 feet north of center line of road, on outside of curve in center of small circle of small granite rocks, 4 feet southwest of 2.5 feet in diameter sugar pine tree, about 430 feet northwest of intersection of camp 9 road and road to Mirror Lake, said point of intersection being located about 100 feet west of galvanized iron pipe culvert over each road. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3994.730 ft.) T.B.M. S 24 - 1	37 44 42.13	119 33 43.91	982

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
209 Yosemite National Park Post Office, 0.4 miles east of; thence 0.2 miles in a southeasterly direction along road to Stoneman Bridge; thence 0.7 miles east along Old Village - Mirror Lake Road; 450 feet south- east of intersection of Camp 9 road and road to Mirror Lake, 350 feet southeast of center of 20 inches in diameter galvanized iron pipe culvert under Old Village - Mirror Lake Road, 8 feet south of 5.5 feet in diameter Yellow Pine tree on southedge of said road opposite another 5.5 ft. in diameter Yellow Pine tree on north edge of said road. Iron bolt and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3991.178 ft.) T.B.M. S 24 - 2	37 44 35.83	119 33 37.39	826
9 T.B.M. 93 - 2, Previously described. Tie point. Closure error	37 44 36.99	119 33 20.86	1332
14 T.B.M. 93 - 4, Previously described.	37 44 22.15	119 33 32.40	
FROM STATION 14, T.B.M. 93 - 4 TO STATION 35, T.B.M. S 9 - 2.			
214 Mirror Lake, 1 mile southwest of; thence 0.2 miles west along road; 2 feet north of 2.5 feet in dia- meter Pine tree, 52 feet south of center line of road, 12 feet north- east of 3 feet in diameter pine tree, 24 feet southeast of 3 feet in diameter Pine tree, 270 feet northeast of north end of west side of bridge. Copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3983.619 ft.) T.B.M. "F"	37 44 22.95	119 33 46.27	1116

INACTIVE FILES

1927 N.A.D.

9-776

STATION	LATITUDE	LONGITUDE	DIST. BET. STATIONS Feet
176 Pohono Bridge, 4.60 miles northeast of, along All Year Highway, 6 feet southwest of 6 feet in diameter hollow Oak tree, 36 feet northwest of All Year Highway, in Road forks of All Year Highway and road bearing north, 106 feet east of rubble fire place on frame dwelling house. Junction to station 234. Copper nail and washer cemented in 1½ inches in diameter galvanized iron pipe set flush with ground, being a temporary bench mark. (Elev. 3963.301 ft.) T.B.M. S 22 - 2	37 44 46.16	119 35 29.43	881
234 Old Village, 0.2 miles north of, 42 feet southeast of center line of All Year Highway, about 170 feet northwest of forks of center line of road bearing northwest from Old Village, on manhole lining. Chisled cross on east edge of concrete manhole lining, being a temporary bench mark. (Elev. 3965.6 ft.) T.B.M. "A"	37 44 46.91	119 35 24.29	420.2
232 Yosemite Valley, at junction of roads, north side of river, north and east side of roads, 150 feet northeast of, iron bridge over Merced River at Sentinel Hotel, in center of top of concrete pier 2.5 feet high, base 20 by 20 inches, and top 12 by 12 inches; aluminum plug stamped with a triangle and "U.S.G.S." Elevation 3960.536 (1905). Immediately over the above bench mark is a rectangular aluminum plate half inch thick marked "Charles D. Wolcott, Director U.S. Geological Survey, latitude 37°44'40", longitude 119°35'21" (Elevation 3960.578)			

INACTIVE FILES