

6615ab

Graphic Control

U. S. COAST & GEODETIC SURVEY
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Graphic Control

6615ab

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. R & S

State California

LOCALITY

Northern California Coast

Mussel Rock to Eel River

1937

CHIEF OF PARTY

F. H. Hardy

U. S. GOVERNMENT PRINTING OFFICE

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. R & S

REGISTER NO.

(R) T6615 a Graphic Control

(S) T6615 b Graphic Control

State California

General locality Northern California

Locality Mussel Rock
~~Extending from mouth of Bear River to Eel River.~~

Scale 1:10,000 Date of survey June & July, 1937

Vessel U S C & G S S Guide

Chief of party F. H. Hardy

Surveyed by L. W. Swanson & E. E. Stohsner

Inked by E. E. Stohsner

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated May 2, 1935

Remarks: Surveyed for signal location only.

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET FIELD LETTER "R"
Coast of California
U.S.C. & G.S.S. GUIDE
Project No. H. T. 206

1937.

INSTRUCTIONS: Director's instructions dated May 2, 1935.

PURPOSE AND GENERAL DESCRIPTION OF COAST: The purpose of this survey is the location of signals to furnish control for inshore and offshore hydrography as well as for wire drag operations.

This stretch of shore line has a narrow sand beach with steep irregular bluffs extending several hundred feet in height adjacent to it.

CONTROL: Control for this sheet is the 1928 scheme of second order coastal triangulation plotted on 1927 adjusted datum.

SURVEYING METHODS: As the signals in most instances were built on the face of the bluffs, only a few were visible from the triangulation stations back on higher ground. Stations POINT, COON and OIL were occupied with the planetable and cuts were taken to such signals as could be seen. Cuts were taken from all three stations to Mussel Rock on the southern end of the sheet. A new position for this rock was thus obtained which fell to the southeast of the old position by about 10 meters.

All three triangulation stations were visible from the beach at a point halfway between POINT and COON. Two cuts were taken to this planetable position from POINT and COON, and checked by a resection on OIL. A short traverse was then run to the northward from this setup, locating signals ARE and FAT. The traverse was checked by resection on POINT and the closing error was negligible. Traverse was then carried southward, from the planetable position mentioned above, to the vicinity of signal GRAF. At this setup the position was checked by resection on OIL and MUSSEL ROCK. The azimuth checked well, but the distance was long by four meters, which was adjusted back through the traverse to abreast of station COON, where the last check for distance was obtained by resection on that station.

The remaining signals from TEL to BURP were located by carrying traverse and resecting on MUSSEL ROCK as a check, no adjustment necessary. BURP, the last signal, was checked by a cut from OIL and resection on MUSSEL ROCK.

Respectfully submitted,

E. E. Stohsner

E. E. Stohsner,
Aid,
Coast & Geodetic Survey.

Inspected. Review unnecessary.

J. A. Mc Cormick.
May 10, 1939.

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET FIELD LETTER "S"
Scale, 1:10,000.
Coast of California
U.S.C. & G.S.S. GUIDE
Project No. H.T. 206
1937.

INSTRUCTIONS: Director's instructions dated May 2, 1935.

PURPOSE AND GENERAL DESCRIPTION OF COAST: The purpose of this survey is the location of signals for inshore and offshore hydrography. The stretch of shoreline from Centerville, (signal WINDMILL), to the north end of sheet, consists of a straight sand beach about 100 meters wide. Adjacent to this beach rises a natural sea wall of sand dunes 10 to 20 feet high, on the top of which most all signals were built.

CONTROL: Old control for this sheet was insufficient as station EEL RIVER was found destroyed. Triangulation station POINT 1928, at the south end of the sheet, was the only recoverable station; so it was necessary to establish more control. Triangulation stations OCCIDENTAL and STUMP were established. An attempt was made to select a site for station OCCIDENTAL so as to fall on both this sheet and sheet "T", but it was impossible because of the marshy terrain and the Eel River.

SURVEYING METHODS: From triangulation station OCCIDENTAL to signal CEN, near the south end of the sheet, all signals were located by cuts and resection. Three barn gables, situated about a mile inshore from the beach, were cut in from the three triangulation stations by the planetable and these were used to resect on.

A short traverse was run from POINT to signal CEN. The slight closing error was negligible and no adjustment was necessary.

A traverse was then carried northward from triangulation station OCCIDENTAL and continued to the adjacent sheet No. "T". The closing error of this traverse at triangulation station SALT RIVER on Sheet No. "T" was 6 meters in distance, azimuth being good. The error was adjusted, 2 meters on this sheet and the remaining 4 meters on Sheet No. "T".

Respectfully submitted,

Forwarded, approved,

F. H. Hardy
F. H. Hardy.

Chief of Party, US C & G S,
Commanding Ship Guide

E. E. Stohsner

E. E. Stohsner,
Aid,

Coast and Geodetic Survey

Inspected. Review unnecessary.
J. A. Mc Cormick

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

~~No. 11~~

No. T-6615ab (Graphic
Controls)

{ received Feb. 2, 1939
registered Feb. 17, 1939
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	T. B. Reed
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✓ *JBR*