Form 801
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R.S. Patton, Director

State: California

DESCRIPTIVE REPORT
Topographic | Sheet No. Q
Hydrographic

LOCALITY
Yellow Bluff
San Francisco Bay

1936-37

CHIEF OF PARTY
F. H. Hardy
The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter Q

REGISTER NO. T6517

State California

General locality San Francisco Bay

Locality Yellow Bluff December 21, 1936

Scale 1:10,000 Date of survey January 29, 1937

Vessel U.S.C. & G.S. Guide

Chief of Party F. H. Hardy

Surveyed by L. W. Swanson

Inked by L. W. Swanson

Heights in feet above to ground to tops of trees

Contour Approximate contour Form line interval feet

Instructions dated June 1, 1936

Remarks:
DESCRIPTIVE REPORT

to accompany
TOPOGRAPHIC FIELD SHEET Q
Vicinity of Yellow Bluff Point
San Francisco Bay

INSTRUCTIONS:

Instructions for this work are dated June 1, 1936.

AREA SURVEYED:

This work is a small area in the vicinity of Yellow Bluff, San Francisco Bay. It was done to locate signals for the wire drag work in this vicinity. The shoreline and light on Yellow Bluff Point were also run in.

CONTROL:

The following objects located by triangulation were used for the control of this survey. Point Stuart Lighthouse 1929, Point Knox Lighthouse 1928, Point Blunt Light 1916, Alcatraz Lighthouse 1910-1932, Black Point Stack 1916 and Range 1931.

SURVEY METHODS:

This survey was made in accordance with standard practice prescribed by the Topographic Manual. Resection was used for all this work.

AID TO NAVIGATION:

Light - Yellow Bluff. This has been forwarded on Form 567.

STATISTICS:

Statute miles of topography 0.6
Area 0.3 square statute mile.

NOTE ON ALUMINUM MOUNTED SHEET:

This work was accomplished on an aluminum mounted sheet which has blistered or perhaps corroded on either side of the aluminum sheet. A shipment of twelve such sheets were in this condition when received from the Washington Office.

Respectfully submitted,

L. W. Swanson
Jr. H & G Engineer,
C. & G. Survey.

Forwarded and approved:

F. H. Hardy, Chief of Party, C. & G. S.,
Commanding Ship GUIDE.
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Names underlined in red approved by J.S.C.P on 9/24/77
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. 8517

received Mar. 16, 1937
registered Mar. 24, 1937
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.

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RETURN TO

82 C. K. Green
REVIEW OF TOPOGRAPHIC SURVEY No. 6577 (1936-37)

Title (Par. 56)

Chief of Party F.H. Hardy Surveyed by L.W. Swanson Inked by L.W. Swanson

Instructions dated June 1, 1936 Surveyed in Dec. 1936, Jan. 1937.

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)

2. The character and scope of the survey satisfy the instructions.

3. The control and closures of traverses were adequate. (Par. 12, 22.)

4. The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 16, 17, 21, 22, 28, 29.)

5. The delineation of contours-formlines is satisfactory. (Par. 18, 22.)

6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 23.)

7. High water line is clear and adequate for chart compilation. (Par. 16a, 43, 44.)

8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)

9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)

10. The span, draw and clearance of bridges are shown. (Par. 35.)

11. Locations and elevations of summits are given. (Par. 18, 23.)

12. The tree line was shown on mountains. (Par. 13.)

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.
The shorelines on T-321 (1850), T-357 (1852), and T-2243 (1895) are not in good agreement with the present representation. The greatest difference appears in the vicinity of Yellow Bluff.

b. The group of rocks (not charted) making out from Yellow Bluff on previous topographic surveys are not shown on the present survey. Examination of the prior surveys in this area shows that no cuts were taken on these rocks and in all probability are only a generalization of the rocks in this area. This is partly borne out by the fact that sketches of the original rocks on T-321 (1850) fall on R-3968 WD (1936) in an area covered by the drag with a 10 foot effective depth. This is further borne out by the fact that no obstacles were encountered when the launch was lowering the inside limits of the drag.

c. The charted sunken rock north of Yellow Bluff originates with T-2243 (1895) and is being carried forward.
13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.)

14. The descriptive report also contains additional information required in area topography relative to type of photographs, method of compilation and type of ground control.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) No Forms 524 submitted.

16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 154, 6, 65.)

17. The magnetic meridian was shown and declination was checked. (Par. 17; 52.) No mention in the DB that the declination was checked.

18. The geographic datum of the sheet is 1927 N.A. and the reference station is correctly noted. (Par. 34.)

19. Junctions with contemporary surveys are adequate. No contemporary survey done in this area at this time.

20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)

21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.)

22. No additional surveying is recommended.

23. The Chief of Party inspected and approved the sheet and the descriptive report, after review by

24. Remarks:

Reviewed in office by B. Riggari May 15, 1937.

Examined and approved:

Chief, Section of Field Records

Chief, Division of Charts

Chief, Section of Field Work

Chief, Division of Hyd. and Top.