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Form 504 Ed. June, 1923	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
R. S. Patton	Director U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES	
APR 12 1934	
State: California.	
Ass. No.	
DESCRIPTIVE REPORT	
Topographic	Sheet No. T-B-148182
XXXXXXXXXX	T-B-2 48181
LOCALITY	
Hueneme Lighthouse Reservation.	
Santa Barbara Chennel.	
34 19	
CHIEF OF PARTY	
C. K. Green.	

Applied to drawing of Chart 5202 - Mar 1936 L.M.3

~~Applied to Chart 5007 - Aug 24 1940 F.B. to.~~
Examined, not applied -

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEETS B-1 and B-2.

INSTRUCTIONS

Telegraphic instructions of February 15, 1934, call for a detailed survey of Hueneme Lighthouse Reservation, scale 1:500; one foot contour interval.

LIMITS

The sheets embrace the Point Hueneme Lighthouse Reservation, Hueneme, California.

GENERAL DESCRIPTION

This section of the coast was also mapped by this party on Sheet T - B, scale 1:10,000. Sheets B-1 and B-2 were mapped for detail in connection with proposed harbor development, at the request of Superintendent of Lighthouses, 18th district.

A single tracing, covering the two sheets, was made and will be forwarded to the Superintendent of Lighthouses, 18th district, San Francisco, as per instructions.

Portions of the area surveyed are sandy and void of vegetation and therefor subject to change. The lower portions of the Reservation are covered with marsh grass, and at times, are under water up to the one foot contour.

CONTROL

Triangulation stations House, Light, and Hueneme Lighthouse fall within the limits of sheet B-1. Stations Road, South Radio Mast, and North Radio Mast, were located by triangulation, and their positions computed, using an ordinary transit for the field work. These latter three stations were not marked, as they are subject to removal when dredging operations commence, and have no permanent value. While these auxillary stations gave excellent control for the sheets, they are not considered as regular triangulation stations. Because of the proximity of triangulation stations no errors of closure were experienced. All old Reservation monuments recovered are shown on the sheets.

DATUM

The datum for the contours is Mean High Water as determined by tide observations at the Hueneme Wharf and comparisons with the Santa Barbara gage. The zero contour is Mean High Water. U. S. C. & G. S. Bench mark #4, which is located on the Reservation in the concrete footing of the South Radio Mast stay, is 6.35 feet above mean high water, as determined by the field party. The Hueneme tide marigrams and levels have been forwarded to the Washington office.

CONTOURS

One foot contours were run out with the aid of levels from Bench Mark #4, and located at the same time by the plane table. Elevations are therefor shown only on the tops of dunes.

SPECIAL NOTES

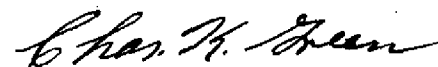
The magnetic Meridan, as shown on sheet B-2, is probably affected by the transmission lines on the Reservation. The Meridan was observed at auxillary station Road. The proximity of transformers did not permit obtaining a magnetic meridan on Sheet B-1.

The ground floors of the Navy Radio Station buildings, are from 1 to 3 feet above the grade of the surrounding grounds.

Submitted by


Samuel L. Ullman

Approved by


Chas. K. Green,
Chief of Party.

PARTY #10

April 6, 1934.

Topographic sheets B-1 and B-2 (large scale of a section of Sheet B), have been inspected and approved by me, together with the data listed below.

List of data forwarded with Topographic Sheet B-1 and B-2

Title Sheet
Descriptive Report
2 Descriptions of recoverable Topographic stations
1 print of tracing of above sheets

Chas. K. Green
Chas. K. Green;
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

APR 11 1934

Ass. No. _____

REG. NO. 4818b

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 Letter T - B-2

REGISTER NO. 4818b

State California

General locality Santa Barbara Channel

Locality Hueneme Lighthouse Reservation

Scale 1:500 Date of survey February - March, 1934

Vessel _____

Chief of Party Chas. K. Green

Surveyed by Samuel L. Ullman

Inked by Samuel L. Ullman

Heights in feet above M. H. W. to ground ~~No tops or trees~~

Contour ~~Approximate contour from line~~ interval 1 feet

Instructions dated February 15 (telegraphic), 1934

Remarks: This survey was requested by the Superintendent of Lighthouse, 18th district, in connection with proposed canal construction.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 48182

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 Letter T-B-1

REGISTER NO. 48182

State California

General locality Santa Barbara Channel

Locality Hueneme Lighthouse Reservation

Scale 1:500 Date of survey February - March, 1934

Vessel _____

Chief of Party Chas. K. Green

Surveyed by Samuel L. Ullman

Inked by Samuel L. Ullman

Heights in feet above M. H. W. to ground vd/vds/ds/vds

Contour approximate vd/vds/ds/vds vd/vds/ds/vds vd/vds/ds/vds interval 1 feet

Instructions dated February 15 (telegraphic), 19 34

Remarks: This survey was requested by the Superintendent of Lighthouse, 18th district, in connection with proposed canal construction.

Survey No. T-4818a - b

Date. April, 6, 1935 GEOGRAPHIC NAMES

Chart No. 5202

california

Diagram No. 5202-2

Approved by the Division of Geographic Names, Department of Interior. *

Referred to the Division of Geographic Names, Department of Interior. R

Under investigation. Q

[illegible]

REVIEW OF TOPOGRAPHIC SURVEY No. 4818a

Title (Par. 56) *Huename Lighthouse Reservation, Cal.*

Chief of Party Surveyed by Inked by

Ship Instructions dated Surveyed in

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓ *Insofar as the scope of this survey*
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. ✓ (Par. 12, 29.)
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
See reverse side
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.)
See reverse side
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. 28.) *None submitted*
7. High water line on ~~marshy and mangrove coast~~ 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.) *Low water line shown as dashed black line instead of dotted line*
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) *See T 4023*
See also reverse side
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. Locations and elevations of summits are given. (Par. 19, 51.)
See reverse side
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

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.

Note:

This survey was made for the Superintendent of Lighthouses for a special purpose and has since served its usefulness.

The contours are not according to the topographer manual as to height and deliniation.

(The high and low water lines should be taken from T4823 for charting purposes.

The magnetic meridian cannot be depended upon due to the close proximity of the radio towers.

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 aero-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 IMs and DPs, 68.) *None submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *None shown (see reverse side Page 1)*
18. The geographic datum of the sheet is *NA 1927 (Adjusted)* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate. ✓
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 *Chas R. Bush Jr.* May 20, 1936

Examined and approved:

E. H. Green
Chief, Section of Field Records
L. O. Lobnitz
Chief, Division of Charts

Irvin L. Peacock
Chief, Section of Field Work
Glade
Chief, Division of Hyd. and Top.

REVIEW OF TOPOGRAPHIC SURVEY No. 48186

Title (Par. 56) *Hueneme Lighthouse Reservation, Cal.*

Chief of Party

Surveyed by

Inked by

Ship

Instructions dated

Surveyed in

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓ *Insofar as the scope of this survey*
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. ✓ (Par. 12, 29.)
4. The amount of vertical control that the Manual specifies for -contours-formlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
See reverse side
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.)
See reverse side
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. 28.) *None submitted*
7. High water line ~~on marshy and mangrove coast~~ 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.) *Low Water Line shown as dashed black line instead of dotted line*
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) *See T 4823*
See also reverse side
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. Locations and elevations of summits are given. (Par. 19, 51.)
See reverse side
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

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.

Note:

This survey was made for the Superintendent of Lighthouses for a special purpose and has since served its usefulness.

The contours are not according to the topographic manual as to height and deliniation.

(The high and low water lines should be taken from T4823 for charting purposes.

The magnetic meridian cannot be depended upon due to the close proximity of the radio towers.

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 aero-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 IMs and DPs, 68.) *2 Cards Submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *See reverse side Page 1*
18. The geographic datum of the sheet is *N.A. 1927 (Adjusted)* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate. ✓
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 *Chas. R. Bush Jr.* May 20, 1936

Examined and approved:

E. H. Green
Chief, Section of Field Records

L. O. Polk
Chief, Division of Charts

Fred. L. Peacock
Chief, Section of Field Work

Glunde
Chief, Division of Hyd. and Top.