

6514

U. S. COAST & GEODETIC SURVEY  
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MAR 16 1937  
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Form 504  
Rev. Dec. 1933  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. PATTON, DIRECTOR

## DESCRIPTIVE REPORT

Topographic } Sheet No. \_\_\_\_\_  
 ##### } Field No. F

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State CALIFORNIA

LOCALITY

California Coast  
 Northern NORTH COAST

~~SHELTER COVE NORTHWARD~~

Point Delgada to Horse Mountain

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1935

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CHIEF OF PARTY

F. H. HARDY

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY  
LIBRARY AND ARCHIVES

MAR 16 1937

REG. NO.

TOPOGRAPHIC TITLE SHEET

Acc. No.

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 F **T6514**

REGISTER NO.

State CALIFORNIA

General locality Northern California Coast  
~~NORTH COAST~~

Locality Point Delgada to Horse Mountain  
~~SHELTER COVE AND NORTH OF SHELTER COVE~~

Scale 1:10,000 Date of survey September, 19 35

Vessel U.S.C. & G.S.S. GUIDE

Chief of Party F. H. Hardy

Surveyed by Max G. Ricketts

Inked by Max G. Ricketts

Heights in feet above high water to ground ~~#####~~

Contour Approximate ~~#####~~ Form line interval 100 feet

Instructions dated May 2nd, 19 35

Remarks: \_\_\_\_\_

DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEET F-1935  
Project No. HT-206

U. S. C. & G.S.S. GUIDE

F. H. Hardy, Commanding

Season of 1935

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INSTRUCTIONS:

Director's instructions dated May 2, 1935. ✓

LIMITS:

This sheet covers the shoreline of the North Coast of California from Point Delgada to Wyman 2. Junction at the south end is with Sheet E-1935, and the north end is with Sheet G-1935.

T-6486

T-6515

DESCRIPTION:

From Point Delgada northward the low flat shows a coastal rugged bluff generally low and with numerous rocks close inshore. The most prominent mark of the vicinity is the gable of the large white barn on the ranch near the northern end of the flat. This shows well on approaching Point Delgada. The 274 foot hill on which is located Ray Point 1930, also shows an easily distinguishable yellow bluff face to seaward. From this hill on to the north end of this sheet the coast is backed by steep mountains covered with scattered timber and dark green brush. Numerous small streams come down to the beach along this section. The character of the coastline changes from rocky to a sand beach which extends on to the northern end of the sheet. From Horse Mountain Creek on north there are scattered rocks and some kelp close into the beach. Kaluna Cliff, heavily eroded, about 1500 feet high overhangs the southern end of this beach. The north end of this cliff is inshore of Kaluna 1930. There are three large rocks showing on the bluff face and directly beneath it at the point where the trend of the beach becomes north-northwest the largest of these, 68 feet, shows black and is the location of Kaluna 1930. ✓

CONTROL:

The control for this sheet was furnished by the 1930 scheme of coastal second order triangulation. ✓

SURVEY METHODS:

A plane table traverse from Point Delgada 1930, to Wyman 2, 1930, controlled all the work on this sheet. This traverse was ✓

checked at East 1930, error 2 meters not adjusted; checked at Ray Point 1930, error 3 meters not adjusted; checked at Kaluna 1930, error 9 meters adjusted in the field between Ray Point and Kaluna; closed at Wyman 2-1930, error 2 meters not adjusted. All offlying features were located by the intersection of at least three cuts. Check cuts were taken from all triangulation stations to aid in controlling the traverse. Elevations for checking the old form lines were taken from this traverse when visibility permitted.

COMPARISON WITH PREVIOUS SURVEYS:

This sheet covers the area previously surveyed on sheets 1236 and T-1237 in 1871. One discrepancy common to all 1871 sheets which were resurveyed in 1935, is the lack of definition between the high water and the MLLW rocks. This has occasioned a general revision of numerous rocks. Slight discrepancies of shoreline are noted in the section from Point Delgada to Ray Point. This shoreline was carefully rodded in during the 1935 work and should be charted as shown on this 1935 sheet. The rocks along this section should be charted as shown on this 1935 sheet as it clearly defines existing conditions of the section.

In the section north of Ray Point 1930 to the vicinity of Kaluna 1930 discrepancies up to 180 meters are noted but they are in general about 100 meters. It appears that in the 1871 topography the base of the abrupt rise of the hills has been shown as the high water line. The low bluff line as shown on this 1935 sheet is the base or toe of the slides from the high coastal range. Between this bluff as indicated there is a sand beach above high water line. This section should be charted as shown on this 1935 sheet. From Kaluna north the discrepancies are much less and it is thought that these are mainly due to natural changes over the period of 60 odd years. Additional rocks not previously shown have been located along this section of coast. The section Kaluna to the north end of this sheet should be charted as shown on this 1935 sheet.

Minor revisions of the form line have been made in the central part of the area covered by this sheet.

LANDMARKS FOR CHARTS:

The following landmarks are submitted on Form No. 567; Barn, Ray Point and Kaluna.

*Landmarks received.*

RECOVERABLE TOPOGRAPHIC STATIONS:

Descriptions of stations are submitted on Form No. 524 for the following topographic stations; ET, TER, GULL, MUSH, HUM and SPOT.

*Descriptions received.*

LIST OF NAMES:

Well established names:- Horse Mountain Creek, Kaluna Cliff, ✓  
Humbolt Creek and Point Delgada.

MISCELLANEOUS:

The tracing used in transferring sheets T-1236 and T-1237 ✓  
to this sheet is forwarded with this report.

STATISTICS:

Statute Miles of shoreline -----	5.5	✓
Elevations -----	10	
Magnetic Meridians -----	1	

Respectfully submitted,

*Max G. Ricketts*  
Max G. Ricketts,  
Jr. H & G Engr.,  
C. & G. Survey.

Approved and forwarded:

*F. H. Hardy*  
F. H. Hardy, Chief of Party,  
Coast and Geodetic Survey,  
Commanding Ship GUIDE.

*This work done from camp at  
Humbolt Creek, team hired of Donald Etter,  
Shelter Cove for transportation of lumber.*  
*MGR*

Remarks

Decisions

	Remarks	Decisions
1		
2		
3		
4		
5		see T-6486
6		<del>Not on sheet</del>
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GEOGRAPHIC NAMES

Survey No. T-6514

Name on Survey	Source										1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	
	A	B	C	D	E	F	G	H	K	VSCP		
<u>State of California</u>												1
<u>Horse Mountain</u>	✓	✓	✓									2
<u>Horse Mountain Creek</u>	appd	✓			D.R. pg. 3							3
<u>Kaluna Cliff</u>	✓	Colona cliff			D.R. pg. 3				✓			4
<u>Point Delgada</u>	appd		✓		D.R. pg. 3							5
<u>Pacific Ocean</u>												6
<u>Humboldt Cr.</u>					D.R. pg. 3							7
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Names underlined in red approved  
by GTE on 3/25/37

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT } ~~No. 41~~  
~~PHOTOSTAT OF~~ } No. T -6514

{ 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.

ROUTE		Initial	Attention called to
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RETURN TO

82	C. K. Green
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## REVIEW OF TOPOGRAPHIC SURVEY No. 6514

Title (Par. 56) *Point Delgada to Horse Mountain, Northern California Coast, Cal.*

Chief of Party *F.H. Hardy* Surveyed by *M.G. Ricketts* Inked by *M.G. Ricketts*

Ship *Guide* Instructions dated *May 2, 1935* Surveyed in *Sept. 1935*.

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, 29.) ✓
4. The amount of vertical control that the Manual specifies for ~~-con-~~  
~~tours-formlines-~~ was accomplished. (Par. 18, 19, 20, 21, 22, 23.) ✓
5. The delineation of ~~-contours-~~  
~~formlines-~~ is satisfactory. (Par. 49, ✓  
50.)
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.) ✓ *The low water line should have been shown with a dotted line. (See Topo. Manual, page 93.)*
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) *See 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.) ✓
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.

Page 1  
REVIEW OF TOPOGRAPHIC SURVEY NO. 534  
Title (Part 58) Point Delgada to Boca Montaña between Cabana (East) and  
Chief of Party R. H. Harty Surveyed by M. G. Ricketts  
Early Guide Instructions dated May 2, 1935 Surveyed in Sept. 1935  
1. The survey and preparation for it conform to the requirements of the  
Topographic Manual. (Part 7, 8, 9, 13, 15.)

Par. 9.

T-1236 (1871), T-1237 (1871)

A comparison between these surveys and the present survey has been made by the field party and is discussed in detail on Page 2, Descriptive Report. A further comparison was made by the reviewer. No major discrepancies were found which were not already mentioned.

T-6514 supersedes both of the above surveys in part.

Chart No. 5607 (New Print dated Aug. 6, 1936).

This chart is on too small a scale to make a comparison of inshore detail of any value.

Chart No. 5773 (New Print dated Aug. 28, 1935).

~~The major discrepancy between~~  
In the area covered by the present survey, the chart is based on surveys discussed in preceding paragraphs and in the Descriptive Report. Further discussion is not considered necessary.

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.) ✓
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) Declination checks charted value.
18. The geographic datum of the sheet is N.A. 1927 and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓  
Joins T-6486(1935) on the south and T-6515(1935) on the north.
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 *J. A. McCormick*, June 24, 1937.

Examined and approved:

*C. K. Green*  
Chief, Section of Field Records

*K. T. Adams*  
Chief, Division of Charts

*Inspected July 29, 1937, E. P. ...*  
*Raymond H. ...*  
Chief, Section of Field Work

*Stude*  
Chief, Division of Hyd. and Top.