

6379

U. S. COAST & GEODETIC SURVEY
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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. _____
Hydrographic } Field No. C-1935

State _____ CALIFORNIA

LOCALITY

Northern California NORTH COAST

Ridge Landing
JACKASS CORN TO BEAR HARBOR

1935

CHIEF OF PARTY

F. H. Hardy

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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DEC 18 1935

REG. NO.

Acc. 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 Letter C

REGISTER NO. **6379**

State CALIFORNIA

General locality NORTH COAST Northern California Coast

Locality JACKASS ^{Ridge} ~~COAST~~ TO BEAR ^{Landing} HARBOR

Scale 1:10,000 Date of survey July and August, 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 to tops of trees

Contour Approximate contour Form line interval 100 feet

Instructions dated HT-206 May 2nd, 19 35

Remarks: Complete resurvey of shoreline and offshore features,
form lines revised only.

DESCRIPTIVE REPORT

to accompany

Topographic Sheet No. C.

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 Little Jackass 2 to Bear Harbor 2. Junction at the south end is with Sheet B-1935 and at the north end with Sheet D-1935.

DESCRIPTION

The coast of this area presents a bold high bluff face with numerous offlying rocks. In general the ridge at the shoreline is from three to seven hundred feet in height broken only by the valleys at Bear Harbor, Jackass Gulch and the small stream about one and a half miles south of the gulch shown on Sheet B-1935. From the bluff line the rise is quite abrupt to the top of the coastal range having an elevation of around 1800 feet to 2000 feet. The hills are heavily wooded in the southern half of this sheet while in the northern half, north of Jackass Gulch, they are grass covered with scattered trees. The most prominent feature in this vicinity is Anderson Cliff, a bold sheer rock face narrow at the top, which rises directly from high water 715 feet. This cliff shows prominently in the afternoon, while during the forenoon and periods of low clouds a 132 foot large rock shows well. Approximately one mile northwest of the old abandoned landing of Bear

Harbor, a detached coastal ridge having an extreme height of 375 feet is quite prominent, this ridge is grass covered. In this vicinity Cluster Cone Rock, a large 68 foot pinnacle the highest of a group of six rocks, is quite prominent. About one half mile northwest of Cluster Cone Rock, a 57 foot white large block shaped rock known as Morgan Rock shows to better advantage. The high point of Bear Harbor Ridge which is the southern of two tips on the ridge referred to above is the most prominent feature in this vicinity as viewed from the northwest.

CONTROL

The control for this sheet was furnished by the 1930 scheme of second order coastal triangulation supplemented by field adjusted position of Jackass Cone and Jackson Pinnacle of 1872 triangulation.

SURVEY METHODS

In two section of this sheet it was impracticable to use traverse. The points in these sections were impassable being sheer rocks faces to the water. This sheet was surveyed by a shore party as it was impractical to make small boat landings along this section of coast. These two sections are (1) Signal TAN to signal DOG, and Signal ANK to the north end of this sheet. In section (1) cuts and depression angles were taken from Little Jackass 2, Jackass South 2, Marks and Anderson. All offlying features were located by the intersection of three or more cuts and additionally checked by depression angle distances. Tangents, shoreline and close inshore detail was located by cuts and depression angle distances. In the vicinity of Anderson a loop traverse was run to cut in Topographic Signal BULL and obtain additional cuts and depression angle distances. In section (2) the above method was again used. Stations Bear and Bear Harbor 2 were occupied for cuts and depression angles as were the stations of a traverse between these two triangulation stations. This traverse

was checked by resection on Morgan Rock and North Rock, closure for the traverse was 5 meters, not adjusted as excessive slope corrections had been used throughout the traverse. Checks of from three to five meters were obtained in comparison of depression angle distances with locations by the intersection of cuts.

A short traverse from BULL (app. Lat. 39-52.9 Long. 123-54.8) south to the point adjacent to DOG, and north to the point southeast of RUM. Additional cuts were taken to features in the vicinity of Anderson Cliff. Check distances from the extreme ends of this traverse were taken back to BULL.

A short traverse from Bear to ANK was not closed, additional cuts were taken to offshore features.

A traverse from Bear south to the north side of the impassable point southeast of RUM, checked three meters in error at Jackson Pinnacle and was checked at its southern end by resection on RUM as located in the work from the south end of the sheet. No adjustment was necessary.

The field adjustment of Jackass Cone and Jackson Pinnacle was checked in the field by cuts from triangulation stations of the 1930 scheme and from stations of closed traverses.

Elevations for checking the old form lines were taken on all triangulation stations and some stations of closed traverses.

COMPARISON WITH PREVIOUS SURVEYS

This sheet covers the area previously surveyed on Sheet T-1324 in 1873. One discrepancy common to all the 1873 sheets which were resurveyed in 1935 is the lack of definition between the high water and MLLW rocks, this occasioned a general revision of numerous rocks. The shoreline agreement with the 1873 work is good. In general the rocks in the section Bear to Bear Harbor 2 agree quite well as to

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position and number. Numerous additional rocks were added. The features as shown on this sheet C-1935 should be used for charting in this section and also over the entire area covered by this sheet as they show the existing conditions of rocks and shoreline.

Minor revisions of form lines were made in the vicinity of Jackson, Anderson, Jackass South 2 and the point inshore of Jackass Cone.

Discrepancies warranting special attention are as follows:-

(1) Lat. 39-52.9 to 53.2 -- This group of rocks are found to be slightly northwest of the 1873 location. On this sheet C-1935 this area was seen at a minus tide and the rocks in the group were cut in. This group should be charted as shown on sheet C-1935.

(2) Lat. 39-54.1 -- This group of rocks are found to be about 25 meters south of the 1873 location. These rocks were cut in on this sheet C-1935 from a closed traverse and should be charted as shown.

(3) Lat. 39-54.3 -- Four sunken rocks are shown on T-1324. This section was seen on a 1 foot tide, moderate swell and no indication of these rocks was noted. Three MLLW rocks were found as shown on this sheet C-1935 about 80 meters inshore of the 1873 rocks. The rocks as shown on T-1324 should be removed from the chart, this area being charted as shown on sheet C-1935 as it shows the present existing conditions.

(4) Lat. 39-55.2 -- A high water rock is shown on T-1324 about 130 meters southwest of North Rock. This rock was not sighted on a moderate swell, minus tide looking down from Bear Harbor 2. It should be removed from the chart. It is thought that the 5' MLLW rock shown on this sheet C-1935 about 50 meters west southwest of North Rock is the previously charted rock in its correct position.

LANDMARKS FOR CHARTS

The following landmarks are submitted on Form No. 567;
Bear Harbor 2, Morgan Rock, Cluster Cone Rock, Anderson, Cat
and Jackass Cone.

RECOVERABLE TOPOGRAPHIC STATIONS

Descriptions of stations are submitted on Form No. 524
for the following stations; SEAL, RUM, BULL and CAT.

LIST OF NAMES

Well established names:- Anderson Cliff, Jackass Cone,
Bear Harbor, Morgan Rock and Cluster Cone Rock.

MISCELLANEOUS

The tracing used in transferring Sheet T-1324 to this sheet
is forwarded with this report. Discrepancies noted in this report
are indicated on this tracing.

STATISTICS

Statute Miles of Shoreline	-----	5.7
Elevations	-----	12
Magnetic Meridians	-----	1

Respectfully submitted,

Max G. Ricketts

Max G. Ricketts
Jr. H. & G. E.

Approved and forwarded:

F. H. Hardy
F. H. Hardy,
Commanding Ship GUIDE

Remarks

Decisions

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GEOGRAPHIC NAMES

Topographic Survey No. 6379

GEOGRAPHIC NAMES										
Graphic Survey No. 6379										
Name on Survey	<div>On Chart No. 5602</div> <div>On previous survey</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
	A	B	C	D	E	F	G	H	K	
Bear Landing	✓									1
Jackass Gulch	✓									2
Anderson Cliff	✓									3
Jackass Ridge	✓									4
MORGAN Rk.	✓									5
PACIFIC OCEAN	✓									6
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Names approved Jan. 14 1936										8
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M 234

REVIEW OF TOPOGRAPHIC SURVEY No. 6379

Title (Par. 56) *Jockass Ridge to Bear Landing, California*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 *July-Aug. 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.)
Only revisions of contours accomplished where necessary
5. The delineation of ~~contours-formlines-~~ is satisfactory. (Par. 49, 50.)
See Par. 5
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.) ✓
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.) ✓
See Par. 5
12. The tree line was shown on mountains. (Par. 16g.)
Tree line not shown

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.

Paragraph 9

T1324 (1873)

This survey is in fair agreement with the present survey as to shore line. There is a mass of detail in this area, such as offlying rocks which do not show on T1324 but are very clear on T6379. The control for T6379 was much better than for T1324. A thorough discussion of discrepancies and omissions on T1324, as compared with the present survey, is given on page 4 of the Descriptive Report.

T6379 supersedes T1324 in part.

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 DMs and DPs, 68.) *4 cards submitted*
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.) *No note of having checked declination*
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.
Joins T6378 (1935) on the South
Joins T6485 (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.) ✓
cliff symbol too heavy.
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.* June 15, 1936.

Examined and approved:

C. K. Green
Chief, Section of Field Records

L. O. Lobbert
Chief, Division of Charts

Frederic L. Peacock
Chief, Section of Field Work

Stude
Chief, Division of Hyd. and Top.