

4999

Diag. Cht. No. 5602-2

Form 504
Ed. June, 1928

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

State: CALIFORNIA

DESCRIPTIVE REPORT

Topographic-
Hydrographic } Sheet No. 7 ⁴⁹⁹⁹ 4999

LOCALITY
North of Cape Mendocino
~~NORTHERN COAST OF CALIFORNIA~~
~~HUMBOLDT BAY TO FALSE CAPE~~
False Cape to Humbolt Bay

19 29

CHIEF OF PARTY
A. P. Ratti H. & C. E.

4999

DESCRIPTIVE REPORT

To accompany Hydrographic Sheet No. 7 (Field No.) Humboldt Bay Entrance to False Cape, Northern Coast of California.

** *** ** ** ** ** **

DATE OF INSTRUCTIONS.-

Instructions covering this survey were dated April 27, 1929.

SURVEY METHODS.-

All soundings on this sheet were obtained with the hand-lead, and all positions of same were determined by visual fixes using signals located by triangulation in 1927 and topograph of 1929 as shown on topographic sheet field no. G.

REMARKS.-

Work on this sheet consisted in splitting the lines shown on Sheet Reg. No. 1294. All soundings shown in red on boat sheet were transferred from the above sheet. Completion of this sheet was prevented by weather conditions at the end of the season.

Respectfully submitted,

Augustus P. Ratti

H. & G. E., Chief of Party.

T I D A L D A T A S H E E T N O . 7 .

Location of tide gauge:	North Jetty, Humboldt Bay, Calif.
Plane of Reference:	MLLW 4.47 feet.
Highest Tide:	12.7 "
Lowest "	2.2 "
Type of gauge:	Standard Automatic.

S T A T I S T I C S S H E E T N O . 7 .

* * * * *

Date 1929	Letter	Volume	Positions	Soundings	Miles Stat.	Vessel.
Sept.23	a	1	72	274	12.4	Rogue
Oct. 2	b	1	21	138	4.3	"
" 7	c	1	34	144	8.5	"
" 9	d	1	<u>24</u>	<u>90</u>	<u>5.1</u>	"
TOTALS			151	646	30.3	

REPORT ON SHEET No 4999 -
Surveyed Sept 23 to Oct. 9, 1929.

Chief of Party - A. P. Ratti.

Surveyed by - A. P. Ratti.

Protracted by - G. M. Marchand.

Soundings plotted by G. M. M.

Verified and inked by L. S. Straw

1. The records conform to the requirements of the general Instructions.
2. The plan and character of the development fulfills the requirements of the General Instructions.
3. Sounding crossings are adequate.
4. The usual depth curves cannot be completely drawn, because weather conditions did not permit the completion of the survey.
5. The field plotting was completed as prescribed in the General Instructions.
6. The junction with sheet H. 5001 is O.K.
No junction on lower end of sheet #4999
7. Further surveying is required to fully develop important areas within the limits of this sheet.
8. It was not necessary to do over any part of the field drafting.
9. The work, accepted as an incomplete survey, is considered "very good."

Respectfully submitted

July 18, 1930.

L. S. Straw

ECM
LAC

FOR FILES OF FIELD RECORDS SECTION

May 8, 1930

Division of Hydrography and Topography:

Division of Charts:

Tide Reducers are approved in
1 volume of sounding records for

HYDROGRAPHIC SHEET 4999

Locality: California (Table Bluff - False Cape)

Chief of Party: A. P. Hatti, in 1929
Plane of reference is mean lower low water, reading
4.5 ft. on tide staff at North Jetty, Humboldt Bay
12.5 ft. below B. M. 2

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

Chief, Division of Tides and Currents.

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO No. 11-WSW

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

August 28, 1930.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4999

False Cape - Humboldt Bay - California.

Surveyed in 1929

Instructions dated April 27, 1929.

Chief of Party, A. P. Ratti.

Surveyed by A. P. Ratti.

Protracted and soundings plotted by G. M. Marchand.

Verified and inked by L. S. Straw.

1. The records conform to the requirements of the general instructions.
2. The survey, as stated in the descriptive report, was not Completed, due to weather conditions and hence is incomplete. That portion which is done conforms to the requirements of the specific instructions.
3. The junction with H. 5001 issatisfactory.
4. The junction with H. 1150 was not made due to the incompletion of the survey.
5. Additional work is necessary to complete this survey in accordance with the instructions of April 27, 1929. The work should be carried closer inshore if possible without too great a delay. The 5 3/4 fathoms sounding shown on H. 1294 in Lat. 40° 33' 945" Long. 124° 22' 250" should be examined and developed as it is a well defined "shoal indication". This development should be done when survey is completed.
6. Soundings agree satisfactorily with the old work, differing approximately 1 fathom.
7. Reviewed by I. E. Rittenburg, August, 1930.

Approved:

A. M. Sobieralski
Chief, Section of Field Records (CHARTS)

B. Borden
Chief, Section of Field Work (H. & T.)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4999

HYDROGRAPHIC TITLE SHEET

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

Field No. 7

REGISTER NO. **4999**

discrepancy 55227

State CALIFORNIA

General locality ~~NORTHERN COAST~~ North of Cape Mendocino

Locality False Cape to Humboldt Bay
~~HUMBOLDT BAY TO FALSE CAPE~~ *(d)*

Scale 1-20000 Date of survey Sept. 23 to Oct. 9, 19 29.

Vessel Chartered Launch Rogue

Chief of Party A.P. Ratti

Surveyed by A.P. Ratti

Protracted by G. M. Marchand

Soundings penciled by G. M. Marchand

Soundings in fathoms ~~-feet~~

Plane of reference MLLW Humboldt Bay

Subdivision of wire dragged areas by

Inked by *[Signature]*

Verified by *[Signature]*

Instructions dated April 27, 19 29

Remarks:



Field Records Section (Charts)

HYDROGRAPHIC SHEET No. *.4999*

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	<i>151</i>
Number of positions checked	<i>92</i>
Number of positions revised	<i>3</i>
Number of soundings recorded	<i>646</i>
Number of soundings revised	<i>12</i>
Number of signals erroneously plotted or transferred	<i>0</i>

Date: *July 19 1930*

Cartographer: *L. S. STRAW*