

4966

Diag. Cht. No. 5702

Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY R. S. Patton, Director	
State: CALIFORNIA	
C. & G. SURVEY L. & A MAR 26 1930 Acc. No.	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. 2 4966
LOCALITY	
Northern Coast of California	
Mussel Point to Klamath River	
and Vicinity of Redding Rk.	
1929	
CHIEF OF PARTY	
A. P. Ratti	H. & H. Eng.

4966

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. *H 4966*

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

Number of positions on sheet	<i>851</i> ...
Number of positions checked	<i>290</i> ...
Number of positions revised	<i>11</i> ...
Number of soundings recorded	<i>3519</i> ...
Number of soundings revised	<i>74</i> ...
Number of signals erroneously plotted or transferred	<i>None</i> ...

Date: *5-8-30*.....

Cartographer: *A. M. Blinn*.....

DESCRIPTIVE REPORT

To accompany Hydrographic Sheet Field No. 2, From Mussel Point southward to Klamath River, Northern Coast of California.

** ** * * * * *
DATE OF INSTRUCTIONS.-

Instructions for this survey were dated April 27, 1929.

SURVEY METHODS.-

All soundings on this sheet were obtained by the hand-lead, and all positions of soundings were determined by visual fixes using signals located by triangulation executed in 1925 and topography executed in 1929.

DANGERS.-

Rock awash at Low Water,

Lat. 41-20-(1100.0 meters).
Long. 124-05-(495.0 ").

Position is recorded in Vol.2, page 24, pos.126e.

Rock awash at Low Water,

Lat. 41-20-(985.0 meters).
Long. 124-05-(460.0 ").

Position is recorded in Vol.2, page 24, pos.125e.

Rock awash at Low Water,

Lat. 41-20-(912.0 meters).
Long. 124-05-(440.0 ").

Position is recorded in Vol.2, page 24, pos. 124e.

A sunken rock with 5 feet over it lies in

Lat. 41-29-(525.0 meters).
Long. 124-04-(815.0 ").

Position is recorded in Vol.2, page 9, pos. 36e.

COMPARISON WITH PREVIOUS SURVEYS.-

Sheet H1936 shows a sunken rock about 700 meters south of Split Rock in approximate latitude 41-29; this is a mislocation of a sunken rock with 5 feet over it lying in

Lat. 41-29-(525.0 meters).
Long. 124-04-(815.0 ").

Position of this rock is recorded in Vol.2, page 9, pos.36e.

REMARKS.-

All soundings on smooth sheet are plotted in fathoms, and those on boat sheet in fathoms approximately reduced for tide. This sheet makes a junction with H4852.

Respectfully submitted,

Augustus P. Ratti

H. & G. E.

T I D A L D A T A S H E E T N O . 2 .

Location of tide gauge:	Crescent City, Calif.
Plane of Reference:	MLLW 3.02 Feet.
Highest Tide:	11.6 "
Lowest Tide:	0.8 "
Type of gauge:	Portable Automatic.

S T A T I S T I C S S H E E T N O . 2 .

* * * * *

Date	Letter	Volume	Positions	Soundings	Stat. Miles	Vessel.
1929						
June 17	a	1	49	224	12.0	Rogue
" 19	b	1	130	495	23.8	"
" 20	c	1	149	677	27.9	"
" 25	d	1	28	108	6.1	"
" 26	e	2	169	736	28.7	"
" 27	f	2	142	599	24.4	"
" 28	g	2	47	247	6.3	"
" 28	g	3	72	265	10.5	"
July 2	h	3	26	98	5.0	"
" 15	j	3	<u>39</u>	<u>70</u>	<u>8.0</u>	"
TOTAL			851	3519	152.7	

Section of Field Records.

April 2, 1930.

Division of Hydrography and Topography:

Division of Charts:

Tide Reducers are approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 4166

Locality: Northern Coast of California (Klamath River to Mussel Point)

Chief of Party: A. P. Batti, in 1929
Plane of reference is mean lower low water, reading
3.0 ft. on tide staff at Crescent City
ft. below B. M.

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.

Section of Field Records.

Sheet No 4966

Surveyed in 1929

Chief of Party - A. P. Ratti

Surveyed by - A. P. Ratti

Protracted by - A. P. Ratti

Soundings plotted by - L. M. Marchand

Verified and inked by - E. C. M. Blosson

1. The records conform to the requirements of general instructions.
2. The plan and character of development fulfill the requirements of general instructions.
3. The usual depth curves can be completely drawn within the limits of the sheet.
4. The field plotting was completed to the extent prescribed in general instructions.
5. The office draftsman did not have to do over any part of drafting done by field party except as noted on statistic sheet.
6. The junctions with adjacent sheets are satisfactory.

Respectfully submitted,

E. C. M. Blosson

WASHINGTON

August 22, 1930.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4966

Northern Coast of California

Surveyed in 1929

Instructions dated April 27, 1929 (Lieut. A.P.Ratti)

Hand lead soundings

Chief of Party, A. P. Ratti.

Surveyed by A. P. Ratti.

Protracted by A. P. Ratti.

Soundings plotted by G. M. Marchand.

Verified and inked by G. C. McGlasson.

1. The records conform to the requirements.
2. The plan, character and extent of the survey satisfy the general and specific instructions.
3. Few cross lines were run. These cross fairly well and the agreement of adjacent lines is good.
4. The information is sufficient for drawing the usual depth curves within the limits of the work.
5. The junction on the north with H. 4965 is satisfactory.
 - a. The junction on the west with H. 4852 is satisfactory and the soundings agree very well. The work in the vicinity of Redding Rock Lighthouse shows no indication of the 17 fathom sounding shown on H. 4852 but is hardly close enough to definitely disprove it.
 - b. The junction on the south with H. 4967 is satisfactory.
 - c. Comparison with the old surveys H. 1936 and H. 1934 shows that in general the soundings agree well. South of Lat. $41^{\circ} 26'$, the depths close inshore are shoaler on this sheet, H. 4966. The descriptive report of this sheet states that the sunken rock shown on H. 1936 in about Lat. $41^{\circ} 29.4'$, Long. $124^{\circ} 04.6'$ is erroneously located. The correct position of

this rock is given on this sheet, H. 4966, in about Lat. 41° 29.3', Long. 124° 04.6'. The sounding record and descriptive report give 5 feet as the least depth over this rock, but T. 4489 shows it as a rock awash at M.L.L.W. The three rocks awash, described under Dangers in this descriptive report, are shown somewhat differently on H. 1934. This sheet, H. 4966, should be followed in charting these rocks. The rocks between the inshore limits of the hydrography and the shore line are taken from T. 4489. They differ somewhat from the old topographic sheets T. 1370 and T. 1378. In general the new locations should be accepted.

6. The usual amount of field plotting was well done by the field party.
7. No additional work is necessary.
8. Reviewed by R. L. Johnston, June 9, 1930.

Approved:



Chief, Section of Field Records (CHARTS)



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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REG. NO.
4966

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. 2

REGISTER NO. **4966**

State C A L I F O R N I A

General locality NORTHERN COAST OF CALIFORNIA

Locality MUSSEL POINT TO KLAMATH RIVER and in the vicinity of Redding Rk. L.H.

Scale 1-20000; 1-40000 Date of survey June 17 to July 15 1929.

Vessel Chartered Launch Rogue

Chief of Party A.P.Ratti

Surveyed by A.P.Ratti

Protracted by A.P.Ratti

Soundings penciled by G.M.Marchand

Soundings in fathoms feet-

Plane of reference MLLW Crescent City, Calif.

Subdivision of wire dragged areas by _____

Inked by _____

Verified by _____

Instructions dated April 27, 1929

Remarks: This sheet makes a junction with H 4852

August 22, 1930.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4966

Northern Coast of California

Surveyed in 1929

Instructions dated April 27, 1929 (Lieut. A.P. Ratti)

Hand lead soundings

Chief of Party, A. P. Ratti.

Surveyed by A. P. Ratti.

Protracted by A. P. Ratti.

Soundings plotted by G. M. Marchand.

Verified and inked by G. C. McGlasson.

1. The records conform to the requirements.
2. The plan, character and extent of the survey satisfy the general and specific instructions.
3. Few cross lines were run. These cross fairly well and the agreement of adjacent lines is good.
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5. The junction on the north with H. 4965 is satisfactory.
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7. No additional work is necessary.
8. Reviewed by R. L. Johnston, June 9, 1930.

Approved:

Chief, Section of Field Records (CHARTS)

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