

6147

WIRE DRAG

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
JAN 16 1937
Acc. No. _____

Form 504
Ed. June, 1928

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

State: California

DESCRIPTIVE REPORT

WIRE DRAG }
~~Topographic~~ } Sheet No. 4
~~Hydrographic~~ }

LOCALITY

Northern California Coast
to Ten Mile River Beach
Fort Bragg, Calif. to Latitude
39° 32'.

1936

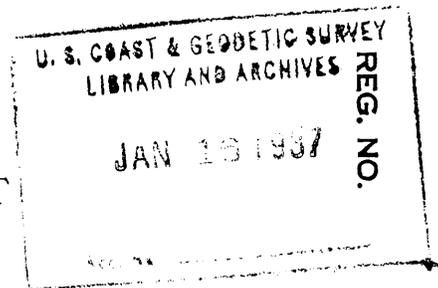
CHIEF OF PARTY

F. H. Hardy

WIRE DRAG

6147

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



WIRE DRAG
~~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. 4

REGISTER NO. H6147 (W.D.)

State California

General locality Northern Coast of California Coast

Locality Fort Bragg, Calif. to Latitude 39° 32'

Scale 1 : 10,000 Date of survey September 4 - 5, 1926

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

Chief of Party F. H. Hardy

Surveyed by I. E. Rittenburg

Protracted by M. G. Ricketts

Soundings penciled by

Soundings in fathoms feet Drag depths in feet.

Plane of reference M L L W

Subdivision of wire dragged areas by M. G. Ricketts

Inked by M. G. Ricketts

Verified by Harold W. Murray

Instructions dated May 31 1934 & Letter Chief H & T Jan. 21, 1926

Remarks: Dual Control Wire Drag. Positions by Visual Fixes

Using Chartered Launches VIRGINIA and CAPON.

DESCRIPTIVE REPORT
to accompany
WIRE DRAG SHEET FIELD NO. 4
Project No. HT-206
Coast of California
U.S.C. & G.S.S. GUIDE
1936

INSTRUCTIONS: Instructions for this work were dated May 31, 1934, and in the third paragraph of a letter from the Chief, Division of Hydrography and Topography dated January 21, 1936.

CHARACTER and LIMITS OF WORK: This sheet covers the area bounded on the south by Latitude $39^{\circ} 27'$ to Latitude $39^{\circ} 31.7'$ on the north, and from about one-third mile offshore to well beyond the 20 fathom curve or about $1\frac{1}{2}$ miles offshore. The inshore limit of this drag was governed by the kelp line and the safe inshore limit of operating the launches due to swell, etc. This sheet joins with Sheet No. 5, 1936 on the north and is the southern limit of the season's work on the south.

The scale of this sheet is 1 : 10,000.

The position interval was five minutes practically throughout the sheet except at the beginning of the lines and radical changes in course and speed. Dual control and visual fixes were used throughout.

Effective depths ranged from 22 and 23 feet to 72 and 77 feet.

CONTROL and DATUM: This sheet is on the final adjusted North American 1927 datum. Signals were from graphic control Sheet BB, this vessel 1936, and triangulation of 1929. The shoreline was transferred from photostats of Sheet T-4498 by this bureau. In this connection, none of the topographic features were located by this wire drag party and the shoreline and off-lying rocks shown on this sheet should not be used as they are all taken from the above mentioned photostats. Kelp shown on the sheet between positions 35A - 40A were from guide launch sheet.

DATES OF SURVEY: Two day's work were done on this sheet on September 4th and 5th, 1936.

TIDAL REDUCERS: Tide reducers for this sheet were obtained from a portable automatic tide gage at Shelter Cove, California. See attached Tidal Data Sheet for further information.

JUNCTIONS: This sheet joins with Wire Drag Sheet No. 5 on the north. As the drag strip continues on from this sheet, (Position 10,B day) the junction is good. On the south there is no junction as this is the southern limit of this season's work.

The overlap of the drag strip at the north end of the sheet is good.

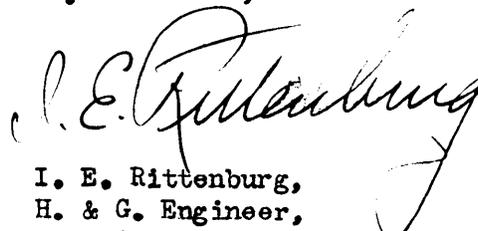
GROUNDINGS: None.

COMPARISON WITH PREVIOUS SURVEYS and CHARTS:

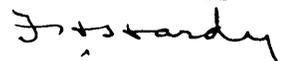
There are no soundings shown on either Sheet H 4983 and charts 5602 and 5703, which are shoaler than the dragged depths.

PERSONNEL and LAUNCHES: Lieutenant I. E. Rittenburg was in charge of this work and in charge of the Guide Launch. Lieutenant W. H. Bainbridge was in charge of the End Launch. Chartered Launch VIRGINIA was used as Guide Launch and Chartered Launch CAPON as End Launch. Standard wire drag equipment was used.

Respectfully submitted,


I. E. Rittenburg,
H. & G. Engineer,
C. & G. Survey.

Forwarded, approved:

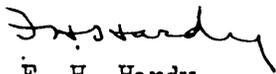

F. H. Hardy,
Chief of Party, C. & G. S.,
Commanding Ship GUIDE.

STATEMENT
to accompany
WIRE DRAG SHEET FIELD No. 4
1936

The plotting and protracting of buoy positions
was done by Lieutenant (j.g.) Max G. Ricketts. ✓

The drag areas were subdivided and inked by
Lieutenant (j.g.) Max G. Ricketts. ✓

The completed smooth sheet has been inspected
and is approved. ✓


F. H. Hardy,
Chief of Party, C. & G. S.,
Commanding Ship GUIDE.

STATISTICS
to accompany
WIRE DRAG SHEET NO. 4

Date 1936	Day Letter	Volume	Statute Miles	Positions	Drag Length Feet	TENDER	
						Soundings	Positions
Sept. 4	A	1	5.9	42	10,000	0	0
5	B	1	1.5	10	10,000	0	0
TOTALS			7.4	52		0	0

Area 8.5 Square Statute Miles

TIDE NOTE FOR HYDROGRAPHIC SHEET

February 4, 1937.

Division of Hydrography and Topography:

✓ Division of Charts: Att: Mr. E. P. Ellis

Tide Reducers are approved in
3 volumes of sounding/records for
wire drag

HYDROGRAPHIC SHEET 6147

Locality Fort Bragg to Ten Mile River Beach, Northern Calif.

Chief of Party: F. H. Hardy in 1936
Plane of reference is mean lower low water reading
2.9 ft. on tide staff at Shelter Cove
7.1 ft. below B.M. 1A

Height of mean high water above plane of reference is 5.6 feet

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents:

Remarks

Decisions

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		

GEOGRAPHIC NAMES

Survey No. **H6147** W.D.

Name on Survey	<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">On Chart No.</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">On previous survey No. T-1380</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">On U. S. quadrangle Maps</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">From local information</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">On local Maps</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">P. O. Guide or Map</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Rand McNally Atlas</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">U. S. Light List</div> </div>										K <i>USCP</i>
	A	B	C	D	E	F	G	H	K		
<u>California</u>	✓										1
<u>Fort Bragg</u>	✓					✓	✓			✓	2
<u>Ten Mile River Beach</u>	✓ <i>app'd</i>										3
<u>Laguna Point</u>	✓	✓								✓	4
											5
											6
											7
											8
											9
											10
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
Names underlined in red approved by <i>GTE</i> on 3/23/37											25
											26
											27

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6147 W. D.**

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

Number of positions on sheet 52
Number of positions checked 11
Number of positions revised 0
Number of soundings recorded <u> </u>
Number of soundings revised <u> </u>
Number of signals erroneously plotted or transferred <u> </u>

Date: **Feb. 11, 1937**

Verification by **Harold W. Murray**

Time: **2½ hrs.**

Review by **Harold W. Murray**

Time: **4 "**

HYDROGRAPHIC SURVEY NO. H6147 W.D.

Smooth Sheet Yes

Boat Sheets Two

Sounding Records 3 Vols. _____

Descriptive Report Yes

Title Sheet Yes

List of Signals Yes

Landmarks for Charts (Form 567) None

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) None

Special Chart for Lighthouse Service None
(Circular Nov. 30, 1933)

Remarks _____

HYDROGRAPHY

Total Days 3 Days.....

Last Date Sept. 5, 1936..

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT
 PHOTOSTAT OF

No. H 6147 W.D.
~~No. 1~~

received Jan. 16, 1937
 registered Jan. 21, 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
20			
22			
24			
25			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	C. K. Green
----	-------------



Verification Report, H-6147 W.D. (1936)

The verification of this drag sheet was accomplished in connection with the review.

Harold W. Murray Feb. 11, 1937

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6147 (1936) W. D. FIELD NO. 4

Fort Bragg, California to Latitude 39° 32'
Surveyed in 1936 Scale 1-10,000
Instructions dated May 31, 1934 (GUIDE) and Letter dated Jan.
21, 1936 (F. H. Hardy)

Wire Drag.

Dual Control on Shore Signals.

Chief of Party - F. H. Hardy.
Surveyed by - I. E. Rittenburg.
Protracted by - M. G. Ricketts.
Subdivision of wire dragged area by M. G. Ricketts.
Inked by - M. G. Ricketts.
Verified by - Harold W. Murray.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual and Special Publication No. 118.

The Descriptive Report is clear and comprehensive and satisfactorily covers all matters of importance.

2. Compliance with Instructions for the Project.

The plan, character and extent of the survey comply with the instructions for the project.

3. Shoreline and Signals.

The signals are from the graphic control sheet, Field No. BB (1936) which has not as yet been received in this office. (See Descriptive Report, page 1).

The shoreline and adjacent rocks are from photostats of T-4498 (1929) and T-4499 (1929). (See Descriptive Report, page 1).

4. Junctions with Contemporary Wire Drag Surveys.

a. The junction on the north with H-6148 (1936) W. D. is satisfactory, the drag strip continuing from one sheet to the other.

b. There are no wire drag surveys to the southward of the present survey as this is the limit of the present season's work. (See Descriptive Report, page 1).

5. Comparison with Latest Hydrographic Surveys.

H-4983 (1929) and H-5944 (1935).

The present survey covers portions of the above 1-20,000 and 1-40,000 scale sheets, respectively. The effective drag depths are consistent with the depths shown on these surveys.

6. Comparison with Charts No. 5703 (New Print dated Dec. 29, 1936) and No. 5602 (New Print dated Aug. 6, 1936).

The effective drag depths on the present survey do not conflict with any of the soundings charted within the area covered.

7. Field Plotting.

Field protracting, plotting and subdivision of the various drag strips are exceptionally accurate.

8. Results of Survey.

- a. Shoals discovered and clearance depths obtained.

No shoals were found on the present survey.

- b. Effective depths.

The effective drag depths varying from 22 to 77 feet are sufficient to insure safety to surface navigation in the normal steamer lanes.

- c. Splits and insufficient overlaps.

There are no splits on the present survey, the overlaps being very generous.

9. Additional Field Work Recommended.

No additional field work is required.

10. Reviewed by Harold W. Murray. Feb. 11, 1937.

Inspected by - A. L. Shalowitz.

Examined and approved:

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

L. O. Robert
Chief, Division of Charts.

Fred. R. Peacock
Chief, Section of Field Work.

Arthur
Chief, Division of H. & T.

applied to drawing of Chart 5602 (No Correction) by J.W. Apr. 17, 1937
applied to Chart 5703 Sept. 22, 1937 G.H.S.