

6522

WIRE DRAG

U. S. COAST & GEODETIC SURVEY
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6522
WIRE DRAG

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., Director	
State: CALIFORNIA	
DESCRIPTIVE REPORT	
<i>Topographic</i> <i>Hydrographic</i> WIRE DRAG	} Sheet No. 9 - 1937
LOCALITY	
Northern California Coast	
OFF ABBOTTS LAGOON TO	
Point Reyes Beach	
TOMALES POINT	
1937	
102	
CHIEF OF PARTY	
F. H. HARDY	

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. 9

REGISTER NO. H6522

State California

General locality California Coast
Northern Coast of California

Locality Point Reyes Beach
Off Abbotte Lagoon to Tomales Pt.

Scale 1:10,000 Date of survey December 8, 19 37

Vessel GULDE

Chief of Party F. H. Hardy

Surveyed by Charles Shaw

Protracted by Max G. Ricketts

Soundings penciled by H. G. Conerly

Soundings in fathoms ~~xxx~~ Drag strips in feet.

Plane of reference M. L. L. W.

Subdivision of wire dragged areas by H. G. Conerly

Inked by H. G. Conerly

Verified by J.A.M. Cermick ~~W. J. Chovan~~

Supplemental instructions - March 6, 1937
Instructions dated Project HT-206, May 2, 1935

Remarks: Dual control - Visual fixes using chartered launches FLORENCE (guide launch), VIRGINIA I (end launch) and No. 28A889 (tender).

DESCRIPTIVE REPORT
to accompany
WIRE DRAG SHEET FIELD No. 9
Project H.T. 206
Coast of California
U.S.C. & G.S.S.GUIDE
1937.

INSTRUCTIONS: Instructions for Project No. H.T. 206 were dated May 2, 1935. Supplemental instructions for this work were dated March 6, 1937. ✓

LIMITS OF WORK: The dragging on this sheet is from about 7 miles southeast to 4 miles southeast of Tomales Point. The dragged area covered extends from between the 22 to 27 fathom curves, 1 1/2 miles to 2 miles offshore to within 1/3 mile from the shore. The inshore limit was slightly outside the generalized foul area line, but as close as practicable bearing in mind the attendant dangers in drag launch operations due to swell, offlying rocks awash; kelp, etc. ✓

4-6289 W.P.
Wire Drag Field Sheet No. 10 joins to the southward. No drag work has been done to the northward. ✓

CHARACTER OF WORK: The scale of the projection is 1:10,000. ✓
Dual control by sextant angle fixes was used with usual position interval of five minutes, except where two and one-half minute intervals were used for closer control. ✓

Drag tests were made as often as appeared necessary and were made once on this sheet. However, on this drag day, three tests were made. (See Sheet No. 10 - 1937). ✓

H-6289 W.P.
Drag speed was maintained as far as practicable at not over 1 1/2 miles per hour to minimize or eliminate lift. Effective drag depths ranged from 44 to 88 feet. ✓

DATUM AND CONTROL: This sheet is on the adjusted North American 1927 datum. Triangulation stations used this season were located in 1929. Topographic stations are from T-4639, T-4637 and Field Sheet No. H -1937, 1938- Ship GUIDE. All shoreline, offlying rocks, etc., were transferred from bromides of T-4637 and T-4639, and none of the topographic features such as offlying rocks, etc., were located by the 1937-1938 field party. ✓

Continued heavy weather prevented continuation of the drag work, and the season ended with these shoals, found off Topographic Station GOO at the end of the dragged area, not cleared. These shoals should be dragged over and cleared with proper minimum clearance when work is resumed.

COMPARISON WITH PREVIOUS SURVEYS AND CHARTS: There are no soundings on Hydrographic Sheets Nos. H-5163, 5164 and 5169, nor on Chart 5502 and 5603 shoaler than the dragged depths shown on this sheet in the dragged area. However, on H-5163, (1931) as noted on this smooth sheet there are two soundings near Position 27 A only 1 foot deeper than the effective drag depth. The soundings are 45 feet each but do not show on Chart 5603 published November, 1934.

PERSONNEL AND LAUNCHES: Lieutenant-Commander Charles Shaw was in charge of this work and in charge of the guide launch. Lieutenant (j.g.) Walter J. Chovan was in charge of the end launch.

The chartered launches FLORENCE and VIRGINIA I were used as guide and end launch respectively. Chartered launch No. 28A889 was used as tender.

Respectfully submitted,

Charles Shaw

Charles Shaw,
Lieut.-Commander,
U.S. Coast & Geodetic Survey.

Feb 25, 1939.

Forwarded, approved:

E. W. Eickelberg,
Chief of Party, C & G S.,
Commanding Ship GUIDE from October 3, 1938;
Preceded by Captain F. H. Hardy from 6-15-38 to 10-3-38;
Preceded by Captain O. W. Swainson from 5-1-38 to 6-15-38.

DATES OF SURVEY: Wire drag work on this sheet was done on December 8, 1937. All work was done by the chartered launches.

TIDAL REDUCERS: Tidal reducers for this sheet were taken from the records of the standard automatic tide gage at San Francisco, maintained by the San Francisco Field Station. See attached tidal sheet for further information.

JUNCTIONS AND OVERLAPS: This sheet joins with Wire Drag Field Sheet No. 10 on the south and the drag day is continuous between the two sheets. There is no drag work to the northward.

GROUNDINGS: At Positions 1a, 36 feet, rocky, the charted depth (Chart 5603) is about 60 feet, but near and outside of a charted depth of 47 feet; and at 2a, 49 feet, rocky, the charted depth is about 69 feet. Near Position 1a, the 45 foot sounding on H-5163 as shown on the photostat aboard ship should probably have been charted rather than the 47 foot sounding. I have transferred the positions of two 45 foot soundings approximately from H-5163 to this smooth sheet in pencil, which are in the vicinity of Position 1a.

The groundings are listed as follows:

No conflict so
45 ft. sage removed.
Chart 5603
Chart 36.

Pos. No.	Latitude & Longitude	Grounded Eff. Depth (feet)	Least Sound'g (fms)	Cleared	Remarks
1a	38 10.55 N 122 58.1 W	44 ✓	6 ✓	No ✓	See unfinished work
2a	38 10.4 122 58.2	44 to 54 ✓ (at junction)	8 1/4 ✓	No ✓	-ditto-

UNFINISHED WORK: The grounding on this day occurred toward the end of the day as an extra effort was being made to drag to the north end of Tomales Point before the heavy southerly weather that was brewing that day materialized. However, this was impossible, though safety from the storm was reached by the launches just at dark at the dangerous entrance to Tomales Bay. During the night the storm struck and high southerly winds and strong current caused the guide launch, equipped with wire anchor cable, to drag anchor southwest of Sand Point and at 1:00 a.m. anchorage was shifted to off Pelican Point.

STATEMENT
to accompany
WIRE DRAG SHEET FIELD No.9
1937

H6522

The plotting and protracting of buoy positions
was done by Ensign H. G. Conerly. ✓

The drag areas were subdivided and inked by
Ensign H. G. Conerly. ✓

The smooth sheet, incomplete, has been inspected
and is approved February 17, 1939. ✓

E. W. Eickelberg,
Chief of Party, C. & G. S.,
Commanding Ship GUIDE from 10-3-38.
Preceded by Captain F.H.Hardy 6-15-38 to 10-3-38;
Preceded by Comd'r.O.W.Swainson 5-1-38 to 6-15-38.

STATISTICS
to accompany
WIRE DRAG SHEET FIELD NO. 9 - 1937.

H6522

Date	Day	Volume	Statute Miles	Positions	Drag Length	Soundings	Tender Positions
1937	Letter						
12-8	A	1	3.5	32	10,000	2	2

AREA IS 5 SQUARE STATUTE MILES.

LIST OF SIGNALS
to accompany
WIRE DRAG SHEET FIELD NO. 9 - 37.

HYDROGRAPHIC

<u>Hydrographic name</u>	<u>Location.</u>
ADAM	Adam 1929.

TOPOGRAPHIC

From Sheet Field No. T - 4637.

GOO WAX EZ

From Sheet Filed No. T - 4639.

EBA TIM

From Sheet Field No. H - 37

HILL AM

200
H.C.

TIDE NOTE FOR HYDROGRAPHIC SHEET

JAN 15 1940

Division of Hydrography and Topography:

✓ Division of Charts: Attention: Mr. H. R. Edmonston

Plane of reference approved in
3 volumes of sounding/records for
and wire drag

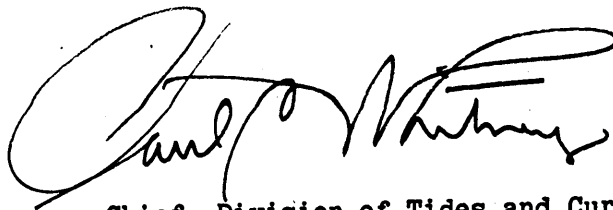
HYDROGRAPHIC SHEET 6522

Locality Off Abbotts Lagoon, Northern California Coast

Chief of Party: F. H. Hardy in 1937
Plane of reference is mean lower low water reading
5.6 ft. on tide staff at Presidio (off limit survey see Ch. 5532)
10.3 ft. below B. M. 165

Height of mean high water above plane of reference is 5.1 feet.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES

Survey No. H 6522

WIRE DRAG

Name on Survey	On Chart No. 5603		On previous survey		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
	A,	B,	C,	D	E	F	G	H	K							
Tomales Pt	✓															1
<u>Point Reyes Beach</u> *																2
Abbotts Lagoon	✓															3
																4
																5
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Names underlined in red approved
by RHE on 1/16/40

Remarks.

Decisions

	Remarks.	Decisions
1	<i>off limit of survey</i>	File No. 382 229
2	<i>* USGB decision</i>	380 229
3	<i>off limit of survey</i>	381 229
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Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H.6522 Wire Drag**

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

Number of positions on sheet34
Number of positions checked4
Number of positions revised0
Number of soundings recorded2
Number of soundings revised0
Number of soundings erroneously spaced0
Number of signals erroneously plotted or transferred0

Date: Jan. 17, 1940.

Verification by } J.A.M^c Cormick
Review by

Time: 2½ hr.

Time: 2½ hr.

HYDROGRAPHIC SURVEY NO. 6522 Wire Drag

Smooth Sheet One

Boat Sheet Two

Records; Sounding 1 Vols., Wire Drag 2 Vols., Bomb Vols.

Descriptive Report One

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)

Hydrography: Total Days 1; Last Date Dec. 8, 1937

Remarks _____

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT PHOTOSTAT OF	}	No. H 6522 WIRE DRAG None	}	received Dec. 14, 1939 registered Jan. 3, 1940 verified reviewed approved
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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			
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RETURN TO

82	Lt. Reed
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✓ JOR

DIVISION OF CHARTS

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6522 (1937) W.D. FIELD NO. 9.

California, Northern California Coast. Off Point Reyes Beach.
Surveyed in December, 1937, Scale 1:10,000.
Instructions dated May 2, 1935; March 6, 1937 (GUIDE).

Wire Drag.

Dual Control.

Chief of Party - F. H. Hardy
Surveyed by - C. Shaw
Protracted by - M. G. Ricketts
Sub-division of wire dragged areas by - H. G. Conerly
Inked by - H. F. Garber
Verified by - J. A. McCormick
Reviewed by - J. A. McCormick, January 17, 1940.
Inspected by - H. R. Edmonston.

1. Shoreline and Signals.

Shoreline is from T-4637 and T-4639 of 1931. Topographic signals are from T-4637 and control sheet for H-6289 (1937) W. D.

2. Junctions with Wire Drag Surveys.

The junction with H-6289 (1937) W. D. on the south is satisfactory. A survey is contemplated on the north but, if executed, has not been received from the field.

3. Results of Survey.

a. Shoals discovered.

- (1) A sounding of 6 fathoms in lat. $38^{\circ}10.55'$, long. $122^{\circ}58.10'$ falls in depths of 49 to 59 feet on H-5363 (1931). Not cleared.
- (2) A sounding of $8\frac{1}{4}$ fathoms in lat. $38^{\circ}10.39'$ long. $122^{\circ}58.19'$ falls in depths of 11 to 13 fathoms on H-5364 (1931). Not cleared.

b. Effective depths.

Satisfactory.

c. Splits and insufficient overlaps.

None.

4. Comparison with Latest Hydrographic Surveys.

H-5163 (1931), H-5164 (1931), H-5169 (1931-32).

There are no conflicts between effective drag depths on the present survey and soundings on the above hydrographic surveys.

5. Comparison with Chart 5603 (New Print of November 27, 1934).

There are no conflicts between charted depths and effective drag depths.

6. Condition of Survey.

Satisfactory.

7. Compliance with Instructions for the Project.

Satisfactory.


8. Additional Field Work Recommended.

Shoals listed in par. 3a should be cleared when drag operations are resumed in this locality.

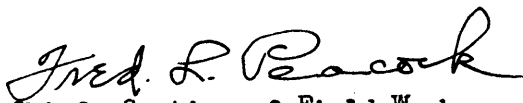
Examined and Approved:



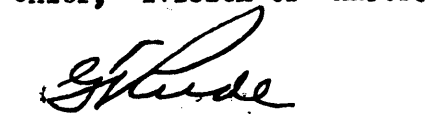
T. B. Reed,
Chief, Section of Field Records.



K. T. Adams
Chief, Division of Charts.



Fred R. Peacock
Chief, Section of Field Work.



G. H. G. G. G.
Chief, Division of H. & T.

Applied to Chart 5502

3/1/40 G. K. S.

Applied to Cor. Proof 5603-6/21/41.

6/23/41 W.E.M.