

5940

WIRE DRAG

U. S. COAST & GEODETIC SURVEY
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FEB 16 1936

Acc. No.

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

WIRE DRAG

Topographic

Hydrographic

Sheet No. 3

State California

LOCALITY

California Coast

From Gamboa Point To One Mile

North Of Slate Rock.

1935

CHIEF OF PARTY

F. H. Hardy, H. & G. E.

U. S. GOVERNMENT PRINTING OFFICE: 1934

WIRE DRAG

5940

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WIRE DRAG
~~HYDROGRAPHIC~~ TITLE SHEET

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

FEB 16 1936

REG. NO.

Acc. No.

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. 3 **H5940**

REGISTER NO.

State California

General locality California Coast

Locality Gambes Point To One Mile North Of Slate Rock ^{L 2}

Scale 1 ; 10000 Date of survey June 11 - Aug. 2, 1935

Vessel Chartered Launches Florence (Guide Launch) Pt. Reyes (End Launch)

Chief of Party F. H. Hardy

Surveyed by G. C. Jones

Protracted by T. A. Renton

Soundings penciled by C. J. Beyma

Soundings in fathoms ~~-1334~~ Drag Depths In Feet

Plane of reference MLW

Subdivision of wire dragged areas by C. J. Beyma

Inked by C. J. Beyma

Verified by J. A. Mc Cormick

Instructions dated May 5, 1935, 19

Remarks: Dual Control Wire Drag, Positions By Visual Fixes.

DESCRIPTIVE REPORT
TO ACCOMPANY
WIRE DRAG SHEET FIELD NO. 3.
PROJECT H. T. 206
COAST OF CALIFORNIA
U.S.C. & G. S. S. GUIDE
1935

INSTRUCTIONS: Instructions for the wire drag work on this sheet were authorized by telegram dated May 5, 1935, to continue wire drag work as per instructions of May 31, 1934.

CHARACTER OF WORK: This work includes that portion from Gamboa Point to One Mile North of Slate Rock and from approximately 1/3 mile offshore (in general along the kelp line) to approximately one and a half miles offshore.

The area of the work on this sheet is 11 square statute miles.

The scale of this sheet is 1 : 10000

The position interval was usually five minutes with supplemental positions at radical changes of course and speed. The effective depth range is from 13 to 85 feet.

CONTROL: Control for the wire drag on this sheet was by means of visual fixes.

Dual control was used for all this work.

Control consisted of hydrographic signals over triangulation stations of the 1932 scheme, plotted on the North American 1927 adjusted Datum.

(T-4874)
Shoreline and topographic signals from Gamboa Point to triangulation station Stung 1932 were transferred from topographic sheet field letter C 1934 and shoreline and topographic signals from triangulation station Stung 1932 to signal July were transferred from topographic sheet field letter B 1934. (T-4877)

DATES OF SURVEY: Work on this sheet began on June 11 and was completed on August 2, 1935.

TIDAL REDUCERS: Tidal reducers for the work on this sheet were obtained from the Monterey Bay Portable Automatic Tide Gage.

For further information on this subject, the reader is referred to the Seasons Tidal Report.

JUNCTIONS: The north end of this sheet joins Wire Drag Sheet Field No. 2 1935. The overlapping junction is more than sufficient. On the south end this sheet joins Wire Drag Sheet Field No. 4, 1935. The line is continued from this sheet to sheet No. 4.

The overlap of drag lines at the beginning and ending of lines on this sheet are good.

GROUNDINGS:

Pos.No. Letter Day	Latitude Longitude	Grounded Effective Depth	Least Sounding Depth	Cleared Effective Depth	Depth Plotted	Remarks.
		Feet	Fms	Feet	Fms.	
14A	36 - 08.3 121 - 39.55	45 ✓	8 ✓	37 ✓	8 ✓	Drag depth and sounding obtained was 50 Feet. 2 Feet Allowed For Swell.
12B	36 - 08.01 121 - 39.3	37 ✓	6 ✓	21 ✓	6 ✓	
33B *	36 - 07.66 121 - 39.1	21				* Same Grounding As On Position 9C. See Note 1.
9C	36 - 07.66 121 - 39.1	26 ✓	3 5/6 ✓	13 ✓	3 5/6 ✓	
42C *	36 - 05.76 121 - 37.54	35 ✓	4 1/6 ✓	Not Cleared	4 1/6 ✓	* See Note 2 Below
28D	36 - 03.78 121 - 35.93	32 ✓	4 1/6 ✓	19 ✓	4 1/6 ✓	

* Note 1. Weather too rough to investigate ground. Position 9C is the same grounding as position 33B.

* Note 2. This ground was caught on the towline. Being 300 meters off the beach, it was considered unsafe to attempt to cover the ground by dragging closer inshore.

COMPARISONS WITH PREVIOUS SURVEYS:

The following comparisons are based on sheets H - 5620 and H - 5640.

The 8 fathom sounding in Lat. 36- 08.3 Long. 121 - 39.55 is outside of the 10 fathom curve.

The 6 fathom sounding in Lat. 36 - 08.01 Long. 121 - 39.3 is in a vicinity of 12 fathoms.

The 3 5/6 fathom sounding in Lat. 36 - 07.76 Long. 121 - 39.1 is outside of the 10 fathom curve. Inshore from this sounding the bottom is irregular.

The 4 1/6 fathom sounding in Lat. 36 - 05.76 Long. 121 - 37.54 is 40 meters offshore from a 7 3/4 fathom Shoal.

The 4 1/6 fathom sounding in Lat. 36 - 03.78 Long. 121 - 35.93 is in a vicinity of 11 fathoms.

COMPARISONS WITH CHART NO. 5302.

All Groundings shown on this survey are not charted on Chart No. 5302, date of issue March 15, 1935.

PERSONNEL AND LAUNCHES: Lieutenant Commander G.C.Jones was in charge of this work, also in charge of the Guide launch. Lieutenant (jg) W.J.Chevan was in charge of the End launch.

The launches used were the chartered launches, Florence (Guide launch) and Point Reyes (END launch).

Respectfully submitted,

C. J. Beyma
C. J. Beyma
Aid
C. G. Survey

Forwarded, Approved,

F. H. Hardy
F. H. Hardy, Chief of Party
Commanding Ship Guide.

LIST OF SIGNALS
TO ACCOMPANY
WIRE DRAG SHEET FIELD NO. 3
1935

TRIANGULATION.

Hydrographic Name	Location
Gam	Gamboa Point Derrick 1932
Bloek	Bloek 1932
Stung	Stung 1932
Rat	Rat 1932
Big	Big Slate Rock 1932
Ring	Spring 1932
Le	MeWay Lone Rock 1 mile South 1932

TOPOGRAPHIC

Located On Topographic Sheet Field Letter "C" 1934.

Ego	Zap	Top
Dud	Ex	Row
Cry	Vat	
Beg	Off	

Located On Topographic Sheet Field Letter "B" 1934.

Pad	Col	Nor
New	Boy	Rum
Mow	Pin	Des
Lot	Cliff	Nov
Kid	Ted	Oct
Jay	Sag	Aug
		July

Statement
To Accompany
WIRE DRAG SHEET FIELD NO. 3
1935

The plotting and protracting of buoy positions was done by T. A. Renton, Observer.

The drag areas were subdivided and inked by Ensign C. J. Beyma.

The completed smooth sheet has been inspected and is approved.

F. H. Hardy

F. H. Hardy
Chief of Party, C. & G. Survey
Commanding Ship Guide.

STATISTICS
to accompany

WIRE DRAGSHEET NO. 3

Date 1935	Day Letter	Volume	Statute Miles	Positions	Drag Length Feet	Tender	
						Soundings	Positions
June 11	A	1	1.5	16	9000	2	2
20	B	1	1.0	33	9000	2	2
21	C	1	6.0	42	6000	4	4
Aug. 2	D	1	5.3	38	9000	3	3
Total			13.8	129		11	11

Area 11 Square Statute Miles

TIDE NOTE FOR HYDROGRAPHIC SHEET

February 25, 1936.

Division of Hydrography and Topography:

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

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

HYDROGRAPHIC SHEET 5940

Locality Gamboa Point to One Mile North of Slate Rock, California Coast

Chief of Party: F. H. Hardy in 1935
Plane of reference is mean lower low water reading
2.5 ft. on tide staff at Monterey
12.5 ft. below B.M. 3

Height of mean high water above plane of reference is 4.6 feet.

Condition of records satisfactory except as noted below:

P. Schureman

Ady

Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES

Survey No. **H5940**

Name on Survey

A On Chart No.
 B On previous survey No.
 C On U. S. quadrangle Maps
 D From local information
 E On local Maps
 F P. O. Guide or Map
 G Rand McNally Atlas
 H U. S. Light List
 K

Name on Survey	A	B	C	D	E	F	G	H	K
									1
									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
<u>Slate Pt</u>									12
<u>Gambog Pt</u>									13
FCB.									14
									15
									16
									17
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									24
									25
									26
									27

W. H. Dwyer
W. H. Dwyer
W. H. Dwyer

Verifier's Report on H-5940 (Wire Drag)

Records: Records conform with regulations. ✓

Drafting: Drafting is excellent. ✓

Junctions: This sheet joins H-5937 on the north and H-5942 on the south. These sheets have not been verified. Junctions will be made with them when they are verified. ✓

Control: Shoreline and topographic signals are from T-4877 and T-4874. ✓

Remarks: Shoal soundings were transferred to H- 5620 and H-5640. ✓

March 6, 1936.

Submitted,

J. A. McCormick

J. A. McCormick.

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H5940**

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

Number of positions on sheet	...14 ⁰
Number of positions checked8
Number of positions revised ⁰
Number of soundings recorded11
Number of soundings revised ⁰
Number of signals erroneously plotted or transferred ⁰

Date:

Verification by *J. Amelornick*

Time: 3 hr.

Review by *G. P. Pagan*

Time: 9¹/₂ hrs.

HYDROGRAPHIC SURVEY NO. 5940 W.D.

Smooth Sheet Yes

Boat Sheets 2

Sounding Records Yes Vols. 1

Descriptive Report Yes

Title Sheet Yes

List of Signals See D.R.

Landmarks for Charts (Form 567) No

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) No

Special Chart for Lighthouse Service No
(Circular Nov. 30, 1933)

Remarks _____

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

No. H 5940 W.D.
 No. T

{ received Feb. 16, 1936
 registered Feb. 19, 1936
 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	
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C. K. Green

Feb. 19, 1936

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5940 W.D. (1935) FIELD NO. 3

Gamboa Point to One Mile North of Slate Rock, California Coast, Cal.

Surveyed in June 11 - August 2, 1935

Instructions dated May 31, 1934 - May 5, 1935 (GUIDE)

Wire Drag with Hand Lead Soundings

Dual Control on shore Signals.

Chief of Party - F. H. Hardy.

Surveyed by - G. C. Jones.

Protracted by - T. A. Renton.

Subdivision of wire dragged areas by - C. J. Beyma.

Inked by - C. J. Beyma.

Verified by - J. A. McCormick.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual and S. P. 118.

The Descriptive Report is complete and comprehensive and adequately 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. This survey is well executed and such matters as overlaps, proper speed, and determination of lift have been given careful attention.

3. Shoreline and Signals.

The shoreline and topographic signals originate with T-4874 (1934) and T-4877 (1934).

4. Junctions with Wire Drag Surveys.

The junctions with H-5937 (1935) and H-5942 (1935) on the north and south limits, respectively, will be considered in the reviews of those sheets.

5. Comparison with Latest Hydrographic Surveys.

H-5477 (1933), H-5620 (1934), H-5640 (1934).

The present survey covers portions of the above hydrographic surveys and the effective drag depths are consistent with the depths shown on these surveys.

6. Comparison with Chart No. 5302 (New Print dated Feb. 25, 1936).

None of the soundings on the chart conflict with the effective depths of the drag.

Applied to Chart 5302 - May 19, 1936 - R.M.J.