

5985

WIRE DRAG SURVEY.

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

APR 18 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. 15

State California

LOCALITY

California Coast

Point Buchon

To

One Mile South of Morro Rock

193 5

CHIEF OF PARTY

F. H. Hardy

5985

WIRE DRAG SURVEY.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.
U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
APR 13 1936
Acc. No. _____

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. 15

REGISTER NO. ⁵⁹⁸⁵ **H5985**

State California

General locality California Coast

Locality Point Buchon to One Mile South of Morro Rock

Scale 1:10,000 Date of survey October 7 - 9, 19 35

Vessel Chartered Launches FLORENCE (Guide Launch) POINT REYES (End Launch)

Chief of Party F. H. Hardy

Surveyed by G. C. Jones

Protracted by C. A. Kester

Soundings penciled by _____

Soundings in fathoms ~~feet~~ Drag Depths in Feet

Plane of reference M.L.L.W.

Subdivision of wire dragged areas by C. J. Beyma

Inked by C. J. Beyma

Verified by _____

Instructions dated May 5, 19 35

Remarks: Dual Control Wire Drag. Positions by Visual Fixes.

DESCRIPTIVE REPORT
to accompany
WIRE DRAG SHEET FIELD No. 15
Project No. HT 206
Coast of California
U.S.C. & G.S.S. GUIDE
1935

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

CHARACTER OF WORK: This work includes that portion from Point Buchon to one mile south of Morro Rock, and from approximately one third 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 1:10,000.

The position interval was usually five minutes with supplemental positions at radical changes in course and speed.

The effective depth range is from 24 to 77 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 on the 193₃ scheme, plotted on the North American 1927 Adjusted Datum.

The shoreline and signals from the southern limits of this sheet to Topographic Signal PIP were transferred from Sheet T-6288; shoreline and signals from Signal PIP to the northern limits of this sheet from Sheet T-4925.

DATES OF SURVEY: Two days work was done on this sheet on October 7 and October 9, 1935.

TIDAL REDUCERS: Tidal reducers for the work on this sheet were obtained from Port San Luis Obispo Portable Automatic Tide Gage.

For further information on this subject see Season's Tidal Report.

JUNCTIONS: The south end of this sheet joins Wire Drag Sheet Field No. 16, 1935. Drag strips are continued from this sheet to Sheet 16, 1935. The north end of this sheet joins Wire Drag Sheet Field No. 13, 1935. Drag strips are continued from Sheet No. 13, 1935 to this sheet.

H-5984

H-5984

H-5984

H-5985

There is a slight discrepancy between positions 1A and 1B on this sheet corresponding to positions 18H and 12J respectively on Sheet 13, 1935. On this sheet the position angles were taken a short time later than on Sheet 13, 1935, but their respective times were not recorded.

This has been adjusted and the drag strips are now continuous.

The overlapping of drag lines on this sheet are good.

GROUNDINGS: There are no groundings on this sheet.

COMPARISONS WITH PREVIOUS SURVEYS: The following comparisons are based on Chart No. 5302 corrected to March 7, 1936.

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

PERSONNEL AND LAUNCHES: Lieutenant - Commander G. C. Jones was in charge of this work, also in charge of the Guide Launch. Lieutenant (j.g.) W. J. Chovan was in charge of the End Launch.

The launches used were the chartered launches FLORENCE (Guide Launch) and POINT REYES (End Launch).

Respectfully submitted,

Chester J. Beyma

Chester J. Beyma,
Aid,
C. & G. Survey.

Forwarded, approved:

[Signature]

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

STATISTICS
TO ACCOMPANY
WIRE DRAG SHEET NO.15

Date 1935	Day Letter	Volume	Statute Miles	Positions	Drag Length Feet	TENDER	
						Soundings	Positions
Oct.7	A	1	7.2	52	72000	-	-
9	B	1	7.2	47	8000	-	-
Total			14.4	99			

AREA // SQUARE STATUTE MILES.

LIST OF SIGNALS
to accompany
WIRE DRAG SHEET FIELD NO. 15
1935

TRIANGULATION

<u>Hydrographic Name</u>	<u>Location</u>
SLO	Sloping Rock off Triangulation Station ROY, 1933.
ROY	Roy, 1933.
ISLAY	Islay, 1933.
ZARD	Zard, 1933.
UP	Up, 1933.
SAN	San, 1919.
HILL	Hill, 1916.

TOPOGRAPHIC

Located On Sheet T-6288

ARM
CAN
SLAT
BAR

Located On Sheet T-4925

PIP
LEE
GO
DIN
DUCK
POLE

STATEMENT
to accompany
WIRE DRAG SHEET FIELD NO. 15
1935

The plotting and protracting of buoy positions ✓
was done by C. A. Kester, Surveyor.

The drag areas were subdivided and inked by ✓
Ensign C. ^{J.} N. Beyma.

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

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

200

TIDE NOTE FOR HYDROGRAPHIC SHEET

May 7, 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 5985

Locality Point Buchon to one mile south of Morro Rock, Calif. coast

Chief of Party: F. H. Hardy in 1935
Plane of reference is mean lower low water reading
3.6 ft. on tide staff at Port San Luis
14.4 ft. below B.M. 2

Height of mean high water above plane of reference is 4.5 feet.

Condition of records satisfactory except as noted below:

Chief, Division of Tides and Currents.

Remarks

Decisions

	Remarks	Decisions
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GEOGRAPHIC NAMES
 Survey No. **15985**

Name on Survey	On Chart No. 5302		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							
<u>Pt. Buchon</u>	*		/								✓					1
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Names Underlined in red approved
 by *[Signature]*
 on 5/5/36

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H5985**

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

Number of positions on sheet99
Number of positions checked4
Number of positions revised0
Number of soundings recorded0
Number of soundings revised0
Number of signals erroneously plotted or transferred0

Date: *May 14, 1936*

Verification by *J. A. Mc Cormick* Time: *2 hrs.*

Review by *G. Risegari* Time: *6 hrs.*

HYDROGRAPHIC SURVEY NO. H5985 Wire Drag

Smooth Sheet yes

Boat Sheet 2

Sounding Records 1 Vols. 2 Drag

Descriptive Report yes

Title Sheet yes

List of Signals yes

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. H5985 Wire Drag No. #7	{	received April 13, 1936 registered May 5, 1936 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
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83			
88			
90			

RETURN TO

82	
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May 4, '36

Verper's Report on H-5985 (where drag)

Records: Records are satisfactory. ✓

Drafting: Field Drafting is excellent. ✓

Control: Shoreline and topographic signals are from T-4925 and T-6288. ✓

Junctions:

This sheet is joined on the north by H-5984 (where drag) and on the south by H-5985 (where drag). ✓

A small area on this sheet was covered with a wire sweep on H-5750. *
The drag covered the area with deeper depths. The sweep was very sketchy and Verper has made no attempt to show it. A tracing of the swept area is attached to the descriptive report for H-5750. ✓

Remarks: There were no groundings on this sheet. ✓

May 14, 1936.

Submitted,

James Cornick.

* This is not a standard W.D. examination but merely a special investigation of the areas involved. These areas have been covered by greater effective depths on the present survey. R

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5985 W.D. (1935) FIELD NO. 15

Point Buchon to One Mile South of Morro Rock, California Coast, Cal.
Surveyed in Oct. 1935
Instructions dated May 31, 1934 (GUIDE) May 5, 1935.

Wire Drag with Hand Lead Soundings.

Dual Control on Shore Signals.

Chief of Party - F. H. Hardy.
Surveyed by - G. C. Jones.
Protracted by - C. A. Kester.
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 satisfactorily covers all items 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-4925 (1934-35) and T-6288 (1934).

4. Junctions with Wire Drag Surveys.

The junction with H-5984 (1935) on the north is satisfactory, the drag strips continuing from one sheet to the other.

The junction with H-5986 (1935) on the south is satisfactory.

The drag strips are continued from one sheet to the other.

5. Comparison with Latest Hydrographic Surveys.

H-5750 (1934), H-5774 (1934), and H-5832 (1934).

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

6. Comparison with Chart No. 5302 (New Print dated Feb. 25, 1935).

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

7. Field Plotting.

The plotting, protracting, and subdivision of dragged areas were well done.

8. Results of Survey.

a. Shoals discovered and clearance depths obtained.

No shoals were found on this survey.

b. Effective depths.

The effective depths of the various drag strips are sufficient to insure safety to surface navigation in the normal steamer lanes.

c. Splits and insufficient overlaps.

No splits exist and overlaps are good.


9. Additional Field Work Recommended.


No additional work is required.

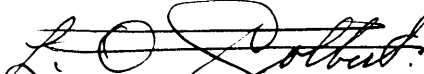
10. Reviewed by - G. Risegari, May 21, 1936.


Inspected by - A. L. Shalowitz.


Examined and approved:


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


L. O. Robert,
Chief, Division of Charts.


Chief, Section of Field Work.


Fred. R. Peacock


Chief, Division of H. & T.