

5808

WIRE DRAG SURVEY.

| | |
|--|-----------------------|
| Form 504 Rev. Dec. 1933 | |
| DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR | |
| DESCRIPTIVE REPORT | |
| <i>Topographic</i> <i>Hydrographic</i> | } Sheet No. <u>21</u> |
| State <u>California</u> | |
| LOCALITY | |
| <u>California Coast</u> | |
| <u>Offshore Point Sur</u> | |
| <u>1934</u> | |
| CHIEF OF PARTY | |
| <u>F. H. Hardy</u> | |

U. S. GOVERNMENT PRINTING OFFICE: 1934

5808

WIRE DRAG SURVEY.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
JUN 10 1935
REG. NO.
Acc. No.

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. W.D. 21

REGISTER NO. **5808**

State CALIFORNIA

General locality CALIFORNIA COAST

Locality ~~23 FATHOM SHOAL, APPROX. 4 MILES, 250' TIDE, FROM POINT SUR.~~ *Offshore*

Scale 1 - 20,000 Date of survey OCTOBER 25, 1934

Vessel CHARTERED LAUNCHES(PT. REYES Guide Launch), (FLORENCE End Launch)

Chief of Party F. H. HARDY

Surveyed by G. C. JONES

Protracted by T. A. RENTON

Soundings penciled by None

Soundings in fathoms feet DRAG DEPTHS IN FEET

Plane of reference M. L. L. W.

Subdivision of wire dragged areas by R. H. McCARTHY JR.

Inked by R. H. McCARTHY JR.

Verified by J. A. M. Cornick

Instructions dated MARCH 31, 1934

Remarks: DUAL CONTROL WIRE DRAG, POSITIONS BY VISUAL FIXES.

DESCRIPTIVE REPORT
to accompany
WIRE DRAG SHEET FIELD NO. 21
Project H. T. 184
Coast of California
U.S.C. & G.S.S. GUIDE
1934

INSTRUCTIONS: Instructions for the wire drag on this sheet are dated ~~March~~ ^{May} 31, 1934, and office letter dated April 2, 1934. ←

CHARACTER OF WORK: The control for the wire drag on this sheet was by means of visual fixes. ←

Dual control was used for all the work on this sheet.

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

The scale of this sheet is 1 - 20,000. ←

CONTROL: Control for the work on this sheet consisted of hydrographic signals over triangulation stations of the 1932 scheme executed by Lieutenant Chas. Pierce, plotted on the North American 1927 Adjusted Datum.

Topographic signal "Fog" was transferred from a photostat of Topographic Sheet T 4792 and topographic signal "North" was transferred from a photostat of Topographic Sheet T 4849.

The shoreline was reduced from photostats of Topographic Sheets T 4792 and T 4849.

DATE OF SURVEY: This survey was made on October 25, 1934.

LIMITS: The wire drag on this sheet covers an area of approximately 5.9 square statute miles, over the 23 fathom shoal, approximately 4 miles 250° True, from Point Sur. ←

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

For further information on this subject the reader is referred to the Season's Tidal Report..

OVERLAPS: The overlap of buoy path lines is more than sufficient throughout this sheet. ←

JUNCTIONS: There are no wire drag sheets adjoining this work.

GROUNDINGS: There were no groundings on this sheet.

COMPARISON WITH CHART 5402 & H 5313: This work covers everything inside the 30 fathom curve surrounding the 23 fathom shoal, approximately 4 miles off Point Sur. ←

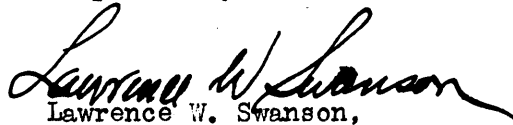
The 23 fathom shoal was dragged over with an effective depth of 86 feet. min.


PERSONNEL, BOATS & EQUIPMENT: Lieutenant Commander Jones was in charge of this work and also in charge of the Guide launch. Lieutenant (j.g.) W. J. Chovan was in charge of the End launch.

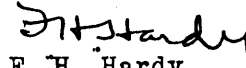
An 8,000 foot drag, made up of sixteen 500 foot sections, was used for this work. The uprights "N" to "F" were set at 95 feet. Beside the lift determined from drag test an extra 3 feet was allowed for swell.

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

Respectfully submitted,


Lawrence W. Swanson,
Jr. H. & G. E.
C. & G. Survey.


Forwarded,
Approved,


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

·LIST OF SIGNALS
to accompany
WIRE DRAG SHEET FIELD NO. 21

TRIANGULATION

| Hydrographic Name | Location |
|-------------------|----------------------------------|
| Kas | Kaslars Point, 1875, 1932 |
| Nol | Division Knoll, 1875, 1932 |
| Brazil | Brazil, 1932 |
| Sur | Point Sur Lighthouse, 1890, 1932 |
| Mol | Molera, 1932 |
| Coop | Coopers Pinnacle, 1932 |
| Feif | Pfeiffers Point, 1890, 1932 |

TOPOGRAPHIC

| | |
|-------|--------------------|
| Fog | Topo. Sheet T 4792 |
| North | Topo. Sheet T 4849 |

STATISTICS

| Date | Day | Vol. | No.Pos. | Statute | Drag | Tender | |
|------|-----|------|---------|---------|--------|---------|----------|
| 1934 | | | | Miles | Length | No.Pos. | No.Sdgs. |

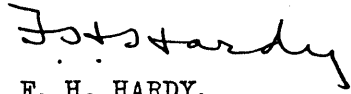
| | | | | | | | |
|---------|---|---|-----|-----|------------|----|----|
| Oct. 25 | A | 1 | 122 | 7.8 | 8,000 ft.. | -- | -- |
|---------|---|---|-----|-----|------------|----|----|

AREA 5.9 SQUARE STATUTE MILES
TIDAL DATA

STATEMENT
to accompany
WIRE DRAG SHEET FIELD NO. 21

The protracting and plotting of buoy positions was done by Mr. T. A. Renton, draftsman, drag areas were subdivided and inked by Mr. R. H. McCarthy Jr., draftsman, under the direct supervision of Lieutenant (j.g.) L. W. Swanson.

The completed smooth sheet has been inspected and is approved.



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

Oakland, California.

HYDROGRAPHIC SURVEY NO. 5808

Smooth Sheet 1

Boat Sheet 2

Sounding Records _____ Vols. 1 Vols. Wire Drag _____

Descriptive Report Yes

Title Sheet Yes

List of Signals Yes in Vol. 1

Landmarks for Charts (Form 567) No

Statistics Yes

Approved by Chief of Party F..H. Hardy

Recoverable Station Cards (Form 524) _____

Special Chart for Lighthouse Service _____
(Circular Nov. 30, 1933)

Remarks _____

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **5808**

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

| | |
|--|----------|
| Number of positions on sheet |127 |
| Number of positions checked |4 |
| Number of positions revised |0 |
| Number of soundings recorded |0 |
| Number of soundings revised |0 |
| Number of signals erroneously plotted or transferred |0 |

Date: July 9, 1935.

Verification by J.A. Mc Cormick

Time: 1/2 hr.

Review by Harry T. Welsh

Time: 3 hrs.

22e

TIDE NOTE FOR HYDROGRAPHIC SHEET

June 17, 1935

Division of Hydrography and Topography:

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

Tide Reducers are approved in
1 volume# of sounding records for
2 wire drag

HYDROGRAPHIC SHEET 5808

Locality Offshore Point Sur, California Coast

Chief of Party: F. H. Hardy in 1934
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 4.5 feet.

Condition of records satisfactory except as noted below:

Chief, Division of Tides and Currents.

Verifier's Report on H-5808 (Wire Drag)

Records:

Records are in good shape. ✓

Drafting:

Drafting is excellent. ✓

Remarks:

Ideal change at position 2A should have been made at previous position. a position has been rejected at the point of change which would have thrown the change back to position 1A and hence the change should not show on the sheet. ✓

Field party has used a reverse curve at beginning of line at 20 A. Verifier did not change this. ✓

There are no junctions on this sheet. ✓

July 5, 1935.

Submitted,

J. A. McCormick

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5808 W. D. (1934) - FIELD NO. 21

Offshore Pt. Sur, California
Surveyed in October, 1934
Instructions dated May 31, 1934

Wire Drag

3 Point Fixes on Shore Signals.

Chief of Party - F. H. Hardy.
Surveyed by - G. C. Jones.
Protracted by - T. A. Renton.
Verified and Inked 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 clear and comprehensive and adequately covers all matters of importance.

2. Compliance with Instructions for the Project.

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

3. Junctions with Wire Drag Surveys.

There are no junctions with other wire drag surveys. This was a detached examination of a 23 fathom offshore shoal area.

4. Comparison with Latest Hydrographic Surveys.

H-5313 (1932-33).

The present survey (H-5808 W. D.) covers the 23 fathom offshore shoal area, within the 30 fathom limiting curve, lying approximately 4 miles WSW of Pt. Sur.

The effective drag depths are consistent with the depths shown on H-5313 (1932-33).

5. Comparison with Chart 5476.

The chart contains no information additional to or inconsistent with the above survey (H-5313 (1932-33)).

6. Field Plotting.

The field plotting is good, and conforms to the requirements of the Hydrographic Manual and S. P. 118.

7. Results of Survey.

This survey shows the area to be free from any depths dangerous to surface navigation. The effective depth developed (84 feet) is ample.

8. Additional Field Work Recommended.

This survey is complete, and no additional work is required.

9. Reviewed by - Harry T. Kelsh, July 10, 1935.

Inspected by - A. L. Shalowitz.

Examined and approved:

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

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

F. E. Boston
Chief, Section of Field Work.

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

Applied to drawing of Chart 5302 (No Correction) Jan. 16, 1936 - J.P.W.
" " " " 5402 " Feb 25, 1936 R.M.Z.
" " " " 5476 " Jan 31, 1936 J.P.W.

25 Jan 7, 1936

EAQ