6426 WIRE DRAG

~~Additional work 1939~~

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

.................., *Director*

State: CALIFORNIA

DESCRIPTIVE REPORT

~~Topographic~~ ~~Hydrographic~~ WIRE DRAG } *Sheet No.* 12-1938.

LOCALITY

Vicinity of Point Arena

~~Four miles south of Greenwood,~~

~~California Coast.~~

~~½ mile south to 6 miles south of~~

~~White Rock.~~

Alder Creek to Elk Creek

1938
~~192~~

CHIEF OF PARTY

E. W. Eickelberg.

GOVERNMENT PRINTING OFFICE

6426 WIRE DRAG

~~Additional work 1939~~

rm 537
Dec. 1930

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

~~HYDROGRAPHIC~~ TITLE SHEET
WIRE DRAG

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. 12 - 38

REGISTER NO. H 6426 W.D.

State CALIFORNIA

General locality ~~Northern~~ VIC. OF POINT ARENA ~~FOUR MILES SOUTH OF GREENWOOD, CALIFORNIA COAST.~~

Locality ALDER ~~ADLER~~ CREEK TO ELK CREEK ~~1/2 MILE SOUTH TO 6 MILES SOUTH OF WHITE ROCK.~~

Scale 1:10,000 Date of survey October 10 to 18, 1938

Vessel Chartered Launches FLORENCE(guide) VIRGINIA I(end)

Chief of Party E. W. EICKELBERG.

Surveyed by WALTER J. CHOVAN

Protracted by WALTER J. CHOVAN

Soundings penciled by WALTER J. CHOVAN

Soundings in fathoms ~~feet~~ Drag depths in feet

Plane of reference M. L. L. W.

Subdivision of wire dragged areas by WALTER J. CHOVAN

Inked by WALTER J. CHOVAN

Verified by Harold P. Stegman

Instructions dated May 31, 1934; May 2, 1935; March 6, 1937

Remarks: Dual control wire drag. [redacted]
Positions by visual fixes.

U. S. GOVERNMENT PRINTING OFFICE

DESCRIPTIVE REPORT
to accompany
WIRE DRAG SHEET FIELD NO. 12
Project H.T.206
Coast of California
U.S.C. & G.S.S.GUIDE
1938

INSTRUCTIONS: Instructions for this project were dated May 31, 1934, and supplemental instructions dated May 2, 1935 and March 6, 1937.

CHARACTER OF WORK: This work includes that portion from 1/2 mile south to 6 miles south of ~~White~~ Elk Rock, and approximately 1/3 mile offshore to 2 miles offshore.

The area of the work on this sheet is 9 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 seventeen to ninty-two 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 built over all recoverable triangulation stations, plotted on the Final Adjusted North American Datum of 1927.

Topographic signals were transferred from Topographic Sheet Field Nos. A and B, 1938.

Shoreline was transferred from Sheet Nos. T 4502 and H 4985.

DATES OF SURVEY: Four days of work was done on this sheet between October 10 and October 18, 1938.

TIDAL REDUCERS: Tidal reducers for the work on this sheet were obtained from the San Francisco Standard Tide Gage. For further information on this subject see Season's Tidal Report, attached.

JUNCTIONS: The overlap of drag strips joining with Sheet Field H-6425 No. 11 on the north is good. The drag strip on the south continues from Sheet Field No. 13.

The overlap of drag strips at the beginning and ending of strips on this sheet are good. See par. 3b, review.

GROUNDINGS:

Pos.No. Letter Day	Latitude & Longitude o '	Grounded Eff. Depth. Ft.	Least Sdg. Depth Fms	Cleared Eff Depth Ft	Depth Plotted Fms	Remarks.
3a (Ia,2a & 4a same area.)	39 00.98 123 42.17	24	1 5/6	Not cleared	1 5/6	Area too shoal to cover with wire drag. Large shoal area as indicated by Pos.la to 4a.
1b	39 01.26 123 42.31	31	4 4/6	21	4 4/6	Sharp pinnacle rock.
4b	39 01.67 123 42.3	46	6 2/6	35	6 2/6	Sharp pinnacle rock.
5b	39 01.65 123 42.4	46	7 1/2	40	7 1/2	Large area at constant depth of around 9 fms.
7b	39 02.37 123 42.02	31	4	17	4	Large rock
8b	39 02.58 123 42.03	31	5 1/6 upright depth	17	5 1/6	Grounded at N buoy.Wire parted before sounding could be taken.
2c	39 03.18 123 42.05	29	No sounding	23	4 5/6 upright depth	While trying to clear fouled lead line on grounding wire, pulled ground wire off shoal.
1d	39 02.76 123 42.31	30	3 4/6	Not cleared	3 4/6	Season ended. Further work prevented.
2d	39 03.26 123 43.2	88	14 2/6	-ditto-	14 2/6	-ditto-
3d	39 04.5 123 42.79	48	5 1/2	-ditto-	5 1/2	-ditto-
4d	39 04.08 123 43.43	88	10 5/6	20	10 5/6	-ditto-
5d	39 03.72 123 43.13	No grounding.	6 2/6 Near old 4 fm.sdg.	20	6 2/6	This sounding is near the 4 fm. shoals.This soundin was taken in kelp patch to facilitate in plotting the bight of drag.

COMPARISON WITH PREVIOUS SURVEYS: Comparison with Sheet H 4985, 1929, Scale 1:20,000 photostated to 1:10,000:

Position Ia to 4a, inclusive, are all on the same shoal area of which Position 3a, 1 5/6 fathom, is the shoalest. It falls about 50 meters west of a 6 2/6 fathom sounding.

The 6 2/6 fathom sounding on the sounding line, with kelp symbol near by, is in itself a good indication for these shoal soundings.

The 4 4/6 fathom sounding, Position Ib, falls about 50 meters north of a 7 1/4 fathom sounding. This area, without a doubt, should have been developed, as the 7 1/4 fathom sounding is about 80 meters inside the 10 fathom curve, and is surrounded by soundings with much greater depths.

Position 4b, 6 2/6 fathom sounding and Position 5b, 7 1/2 fathom sounding, fall in the same general locality, which is on a decided break in the 10 fathom curve.

Positions 2b and 3b also fall in this area. The general depth in this area is around 9 fathoms.

The 9 1/4 fathom sounding about 100 meters outside 10 fathom soundings, and surrounded by 12 and 13 fathom soundings to the north, west and south, is a good indication for these shoals found.

The 4 fathom sounding, Position 7b, falls near ~~10~~ 8 3/4 fathom sounding. Another sounding, Position 6b, 5 fathoms, was taken on this large rock, which falls about 10 ~~fathoms~~ meters to the southeast of Position 7b.

The 5 1/6 fathom sounding, Position 8b, is an upright depth, as wire parted while picking up drags before sounding could be taken. It falls ~~in a blank area~~ between ~~12~~ 8 fathom and ~~13~~ 8½ fathom soundings.

The 4 5/6 fathom sounding, Position 2c, is an upright depth, falling in a blank area near a 9 1/4 fathom sounding. The old sounding lines in this vicinity indicate irregular bottom.

The 3 4/6 fathom sounding, Position 1d, falls on a 10 fathom sounding which is two to three fathoms shoaler than the surrounding soundings.

The 14 2/6 fathom sounding, Position 2d, falls about 50 meters north of a 22 fathom sounding.

The 5 1/2 fathom sounding, Position 3d, falls in a blank area about 60 meters south of a 14 fathom sounding.

The 10 5/6 fathom sounding, Position 4d, falls in a blank space but on the old sounding line. It appears that about two soundings were missed on this line. It seems that the leadsman, not expecting a shoal sounding after obtaining soundings of around 24 fathoms on that line, might have let the sounding wire run out too fast and fouled the machine.

Note - The old line (H-4990) was a fathometer survey with no depths recorded at this spot. 2 soundings were missed. H.P.S.

LIST OF SIGNALS
to accompany
WIRE DRAG SHEET FIELD NO. 12.
1938.

TRIANGULATION

Hydrographic name	Location	
WHITE	White Rock,	1870
RED	Red Bluff$_2$,	1919
LIL	Lilac	1930
LANE	Lane	1891
BOY	Boyle	1929

TOPOGRAPHIC

Located on Topographic Sheet Field Letter A, 1938.

AMY	TAN	PIN Rock

Located on Topographic Sheet Field Letter B, 1938.

DOT	OFF	LONE
MISS	Pin ROCK	GET
	EAT	

STATISTICS
to accompany
WIRE DRAG SHEET FIELD NO. 12
1938.

Date 1938	Day Letter	Volume.	Statute Miles	Positions	Drag Lengths Ft.	Tender Soundings	Tender Positions
Oct. 10	A	1	2.3	40	10,000	4	4
Oct. 11	B	1	4.6	108	10,000	8	8
Oct. 17	C	1	2.7	52	10,000 &4,000	2	2
Oct. 18	D	1	2.9	71	10,000	5	5
TOTALS			12.5	271		19	19

AREA IS 9 SQUARE STATUTE MILES.

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. H6426 W.D.

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

Number of positions on sheet	271
Number of positions checked	49
Number of positions revised	0
Number of soundings recorded	19 (15 plotted)
Number of soundings revised	2 (Changing fractions)
Number of soundings erroneously spaced	—
Number of signals erroneously plotted or transferred	None

Date: April 12, 1939

Verification by H.F. Stegman Time: 6½ hrs

Review by J.A. McCormick 4/14/39 Time: 3 hrs.

2629

HYDROGRAPHIC SURVEY NO. H6426 W.D.

Smooth Sheet Yes

Boat Sheet Two

Records; Sounding One Vols., Wire Drag Two Vols., Bomb ___ Vols.

Descriptive Report Yes

Title Sheet Yes

List of Signals In D.R.

Landmarks for Charts (Form 567) No

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) ---

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

Hydrography: Total Days Four ; Last Date Oct. 18, 1938

Remarks

3776

STATEMENT
to accompany
WIRE DRAG SHEET FIELD NO. 12
1938.

The plotting and protracting of buoy positions was done by Lieutenant (j.g.) Walter J. Chovan.

The drag areas were subdivided and inked by Lieutenant (j.g.) Walter J. Chovan.

The completed smooth sheet has been inspected and is approved.

E. W. Eickelberg,

Chief of Party, C. & G. S.,

Commanding Ship GUIDE.

The 6 2/6 fathom sounding, Position 5d, falls just north of the 4 fathom sounding. Just one sounding was taken in this kelp covered area for the purpose of locating the bight of the drag. It was not deemed necessary to re-develop this area as it had been covered with a drag of twenty feet effective depth.

Comparison with Chart 5602:

Due to the fact that this chart is on such a small scale, the comparison is of no practical value.

PERSONNEL AND LAUNCHES:. Lieutenant (j.g.) Walter J. Chovan was in charge of this work, also in charge of the guide launch (Chartered Launch FLORENCE). Lieutenant (j.g.) Harry F. Garber was in charge of the end launch (Chartered Launch VIRGINIA I).

Respectfully submitted,

Walter J. Chovan

Walter J. Chovan,
Jr. H. & G. Engineer,
C. & G. Survey.

Approved and forwarded:

E W Eickelberg

E. W. Eickelberg,
Chief of Party,
Commanding Ship GUIDE.

	Remarks	Decisions
1	off south limit of survey - Lat 38-57.2 Long 123-44.4	File No. 389 237
2		" 390 236
3		" 390 237
4	off north limit of survey Lat. 39-06.3 Long 123-42.2	" 391 237
5		" 390 237
6		
7		
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26		
27		

GEOGRAPHIC NAMES

Survey No. H-6426 W.D.

Name on Survey	A, On Chart No. 5602	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	
Point Arena	✓									1
✓ Alder Creek	✓									2
Elk Rock										3
Elk Creek	✓									4
✓ Red Bluff										5
										6
										7
										8
										9
										10
										11
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										24
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										26
										27

Names underlined in red approved by GHE on 3/31/39

M 234

FORM M-238

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOSTAT OF~~

No. H-6426 W.D.
~~No. T~~

received Mar. 21, 1939
registered Mar. 28, 1939
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	✓		Page 2 Groundings
88			
90			

RETURN TO

82	T. B. Reed

RAC

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Ed. Feb. 1935

TIDE NOTE FOR HYDROGRAPHIC SHEET

April 1, 1939

Division of Hydrography and Topography:

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

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

HYDROGRAPHIC SHEET 6426

Locality Adler Rock to Elk Creek, vicinity of Point Arena,
Northern California Coast

Chief of Party: E. W. Eickelberg in 1938
Plane of reference is mean lower low water reading
3.4 ft. on tide staff at Shelter Cove
7.1 ft. below B.M. 1 A

Note: San Francisco tides were used with a time and height correction to reduce to Shelter Cove.

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

Condition of records satisfactory except as noted below:

Paul C. Whitney

Chief, Division of Tides and Currents..

U. S. GOVERNMENT PRINTING OFFICE

VERIFICATION REPORT ON H-6426 (1938) WD

1. CONDITION OF RECORDS

The records are neat and legible, and conform to the require- ments of the "Wire Drag Manual."

2. SHORELINE AND SIGNALS

Shoreline originates with T-4502 and T-4503 (1929)

The Descriptive Report states that topo signals originate with Sheets Field Letters A, and B, 1938. These surveys have not been received in the office.

3. JUNCTIONS

The overlap of drag strips with H-6425 (1938) WD which joins H-6426 on the north, is satisfactory.

The junction with Sheet Field No. 13 (1938) WD will be ~~accomplished~~ verified when that sheet is received in the office. This junction is on the continuation of a single drag strip and is therefor satisfactory.

Soundings and groundings were transferred to H-4985 (1929) and H-4990 (1929)

4. FIELD PLOTTING.

The field plotting was neat and accurate. Only a few minor changes were made by the verifier, viz., Correcting fractions to conform to the requirements of the Hydrographic Manual, adding bottom characteristics, and correcting the depth of one section of a drag strip.

Remarks – As indicated in the Descriptive Report, page 2, this sheet was surveyed at the end of the season. It appears incomplete in that 3 groundings (Pos. 1d, 2d, 3d) were not cleared with a drag strip of less depth; and that a large area in the vicinity of ϕ-39°-03.'2 ✓ λ-123°-42.'8 was not covered. Soundings of 13 and 14 fathoms between greater depths (on H-4985) indicate possible shoals in this area.

April 12, 1939

Respectfully submitted
Harold F. Stegman

Note: The $10\frac{3}{4}$ fm sdg. ϕ-39°-04.'1 λ-123°-43.'2, falls between pos. 65K-66K on H-4990. This was a fathometer survey, and two ✓ misses were recorded when passing over this spot. 23 fathoms had been recorded just after passing the shoal. H.F.S.

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6426 (1938)W.D. FIELD NO. 12

Alder Creek to Elk Rock, Vicinity of Point Arena, California
Surveyed in October, 1938, Scale 1:10,000
Instructions dated May 21, 1934;
May 2, 1935; and March 6, 1937 (GUIDE)

Wire Drag. Dual control

Chief of Party - E. W. Eickelberg
Surveyed by - W. J. Chovan
Protracted by - W. J. Chovan
Subdivision of wire dragged areas by - W. J. Chovan
Inked by - W. J. Chovan
Verified by - H. F. Stegman.

1. Shoreline and Signals.

   a. Shoreline originates with T-4502 (1929) and T-4503 (1929).

   b. Topographic signals are from T-Field Letter A (1938) and T-Field Letter B (1938).

2. Junctions with wire drag surveys.

   The junction with H-6425 (1938) W.D. on the north is satisfactory. The junction with the survey on the south will be considered in the review of that survey when the sheet is received from the field.

3. Results of Survey.

   a. Shoals discovered and clearance depths obtained.

      (1) A sounding of 10-3/4 fathoms in latitude 39° 04.07', longitude 123° 43.43' falls in depths of 23 to 26 fathoms on H-4990 (1929). Cleared with an effective depth of 20 feet. Cleared with 52 ft. in 1939.

      (2) A sounding of 5-1/2 fathoms in latitude 39° 04.49', longitude 123° 42.79' falls in depths of 14 to 15 fathoms on H-4985 (1929). Not cleared. Cleared with 26 ft. in 1939.

      (3) A sounding of 6-2/6 fathoms in latitude 39° 03.72', longitude 123° 43.13' falls on the edge of a 4 fathom shoal on H-4985 (1929). Cleared with an effective depth of 20 feet. ✓

(4) A sounding of 14 fathoms in latitude 39° 03.26', longitude 123° 43.19' falls in depths of 22 fathoms on H-4985 (1929). Not cleared. Cleared with 71 ft. in 1939.

(5) A grounding of 4-5/6 fathoms in latitude 39° 03.17', longitude 123° 42.04' falls in depths of 8-3/4 to 9-1/4 fathoms on H-4985 (1929). Cleared with an effective depth of 23 feet. ✓

(6) A sounding of 3-4/6 fathoms in latitude 39° 02.77', longitude 123° 42.33' falls in depths of 10 to 13 fathoms on H-4985 (1929). Not cleared. Cleared with 14 ft. in 1939.

(7) A 5-1/6 fathom grounding in latitude 39° 02.58', longitude 123° 42.02' falls in depths of 8 to 8½ fathoms on H-4985 (1929). Cleared with an effective depth of 17 feet.

(8) A 4 fathom sounding in latitude 39° 02.37', 123° 42.02' falls in depths of 8-3/4 fathoms on H-4985 (1929). Cleared with an effective depth of 17 feet.

(9) A 6-2/6 fathom sounding in latitude 39°01.67', longitude 123° 42.31' falls in depths of 9-1/4 to 10 fathoms on H-4985 (1929). Cleared with an effective depth of 35 feet.

(10) A 7-1/2 fathom sounding in latitude 39° 01.65', longitude 123° 42.40' falls in depths of 9-1/4 to 10 fathoms on H-4985 (1929). Cleared with an effective depth of 40 feet.

(11) A 4-4/6 fathom sounding in latitude 39° 01.26', longitude 123° 42.31' falls in depths of 7-1/4 to 9-3/4 fathoms on H-4985 (1929). Cleared with an effective depth of 21 feet.

(12) Soundings of 1-5/6 to 5-1/6 fathoms in latitude 39° 01.0', longitude 123° 42.2' fall in depths of 5-4/6 to 8-1/2 fathoms on H-4985 (1929). Not cleared.

b. <u>Splits and insufficient overlaps</u>.

The split in latitude 39° 01.0', longitude 123° 42.2' is in the vicinity of very shoal soundings and kelp and need not be covered.

DIVISION OF CHARTS

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6426 (1939 ADDL. WORK) FIELD NO. 12

Alder Creek to Elk Creek, Vicinity of Point Arena, California
Surveyed in September, 1939, Scale 1:10,000
Instructions dated March 3, 1939 (I. E. Rittenburg)

Wire Drag | Dual Control

Chief of Party - I. E. Rittenburg
Surveyed by - W. J. Chovan
Protracted by - J. A. McCormick
Subdivision of wire dragged areas by - J. A. McCormick
Verified and inked by - J. A. McCormick
Reviewed by - J. A. McCormick, Feb. 26, 1940
Inspected by - H. R. Edmonston

1. Purpose of Survey

Additional work was accomplished to complete the survey in accordance with items specified in paragraph 8 of the original review.

2. Condition of Survey

No descriptive report was submitted for the additional work. The boat sheets and drag volumes were sufficiently clear, however, as to leave no questions when the office protracting and inking of drag strips were completed.

3. Results of Survey

The extensive holiday centered about lat. 39° 03.5', long. 123° 42.5' in the original work was covered and satisfactory clearances obtained over shoals listed in par. 3a(1), (2), (4) and (6) of the original review. In addition, a sounding of 5-1/2 fathoms (cleared with an effective depth of 27 feet), falling in 18 fathoms on H-4985 (1929), was obtained in lat. 39° 03.23', long. 123° 42.90'. Three other soundings of 9-1/4, 9-3/4, and 10-1/2 fathoms and a grounding of 12 fathoms were obtained within a radius of 300 meters of the 5-1/2. Clearances on the new shoals were satisfactory.

Examined and approved:

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

K.T. Adams
Chief, Division of Charts

Raymond P. Eyman
Chief, Section of Field Work

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

A considerable area north of latitude 39° 03' was not covered because of the ending of the season. Covered in 1939.

4. <u>Comparison with Latest Hydrographic Surveys. H-4985 (1929), H-4990 (1929)</u>.

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

5. <u>Comparison with Chart 5602 (New Print dated Nov. 5, 1938)</u>.

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

6. <u>Condition of Survey</u>.

a. The drag records are neat and legible.

b. The descriptive report satisfactorily covers all items of importance.

c. The field drafting is excellent.

d. Effective depths are satisfactory.

7. <u>Compliance with Instructions for the Project</u>.

The completed portion of the survey satisfies the instructions for the project.

8. <u>Additional Field Work Recommended</u>.

Survey the extensive holiday centered about latitude 39° 03.5', longitude 123° 42.5'. Also obtain clearances with adequate effective depths of shoals discussed in paragraph 3a(1), (2), (4) and (6). Covered in 1939

9. Reviewed by - J. A. McCormick, April 14, 1939.

Inspected by - E. P. Ellis

Examined and approved:

Thos B Reed

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

K.T. Adams

Chief, Division of Charts.

Fred. L. Peacock

Chief, Section of Field Work.

G Hade

Chief, Division of H. & T.

applied to drawing of 5602, april 19, 1940 J. G. L.
applied to drawing Cht. 5052 - Sept. 1940 - P. B. C.

6426

Additional work 1939

Form 504
Rev. Dec. 1933

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

~~Topographic~~
~~Hydrographic~~
Wire Drag

Sheet No. 6426 A.dl. Wk.

State California

LOCALITY

Vicinity of Point Arena

Alder Creek to Elk Creek

1939

CHIEF OF PARTY

I. E. Rittenberg

U. S. GOVERNMENT PRINTING OFFICE: 1934

6426 Additional work 1939

Form 537
Ed. Sept., 1929

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

REG. 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. 12-38

REGISTER NO. H6426 W. D. *- Addl. Wk.

State California

General locality Vicinity of Point Arena

Locality Alder Creek to Elk Creek

Scale 1:10,000 Date of survey Sept. 28, 29, 1939

Vessel Florence and Virginia 1

Chief of Party I. E. Rittenberg

Surveyed by W. J. Chovan

Protracted by J. A. McCormick

Soundings penciled by J. A. McCormick

Soundings in fathoms ~~feet~~ Drag depths in feet

Plane of reference M.L.L.W.

Subdivision of wire dragged areas by ~~W. J. Chovan~~ J. A. McCormick

Inked by } J. A. McCormick.
Verified by }

Instructions dated , 19

Remarks: Dual Control wire drag

Positions by visual fixes

U. S. GOVERNMENT PRINTING OFFICE: 1929

Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. T6426

Addl. Wk. 1939- Wire Drag

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

Number of positions on sheet	122
Number of positions plotted ~~checked~~	122
Number of positions revised	—
Number of soundings recorded	5
Number of soundings revised	—
Number of soundings erroneously spaced	—
Number of signals erroneously plotted or transferred	0

Date: Feb. 26, 1940

Plotted and inked by	J. A. McCormick	Time: 10 hrs.
Verification by		Time: 2 hrs.
Review by		Time: 1 hr.

2629

HYDROGRAPHIC SURVEY NO. 6426
Additional Work 1939- Wire Drag

Smooth Sheet Original

Boat Sheet 2 originals

Records; Sounding 3 Vols., Wire Drag ___ Vols., Bomb ___ Vols.

Descriptive Report No

Title Sheet No

List of Signals No

Landmarks for Charts (Form 567) No

Statistics No

Approved by Chief of Party No

Recoverable Station Cards (Form 524) None

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

Hydrography: Total Days 2 ; Last Date Sept. 29, 1939

Remarks ______________________

2776

FORM M-238

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H 6426 W. D.
Addl. Wk. 1939
~~No. T~~

received
registered
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	T. B. Reed

✓ TBR

#12.

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Ed. Feb. 1935

TIDE NOTE FOR HYDROGRAPHIC SHEET

Feb. 20, 1940

Division of Hydrography and Topography:

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

Tide Reducers are approved in
1 ~~volumes~~ volume of sounding records ~~for~~ and 2 volumes of wire drag records for

HYDROGRAPHIC SHEET 6426

Locality Alder Creek to Elk Rock, Pt. Arena, California

Chief of Party: I. E. Rittenburg in 1939
Plane of reference is mean lower low water, reading
2.7 ft. on tide staff at Arena Cove.
19.8 ft. below B.M. 2

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

Condition of records satisfactory except as noted below:

Paul A Whitney
Chief, Division of Tides and Currents.