

5265

5265

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*
Field No. Office No. *5265*

LOCALITY

State *Alaska*
General locality *Aloquat*
Locality *Islands*

1932

CHIEF OF PARTY
H. B. Campbell

LIBRARY & ARCHIVES

DATE

H 5261
H 5255
H 4585
H 5260

T 4735
T 4736
T 4734

5265

Diagram 8562 #2

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton *Director*

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAY 13 1933

Acc. No. _____

State: S.W. Alaska

DESCRIPTIVE REPORT

~~Topographic~~
Hydrographic

Sheet No. 22 5265

LOCALITY

Southwest Alaska

Afognak Island

Perenosa Bay

19 32

CHIEF OF PARTY

H. B. Campbell

5265

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5265

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. 22

REGISTER NO. **5265**

State ~~XXXXX~~ Alaska

General locality Afognak Island

Locality Perenosa ~~Bay~~ and Seal Bays

Scale 1:20,000 Date of survey June - October, 19 32

Vessel Str. DISCOVERER

Chief of Party H. B. Campbell

Surveyed by W. M. Scaife, R. J. Sipe, J. N. Jones

Protracted by K. S. Ulm, E. E. Smith

Soundings penciled by K. S. Ulm

Soundings in fathoms ~~feet~~

Plane of reference M.L.L.W.

Subdivision of wire dragged areas by

Inked by J. T. Walker - C. R. Bush

Verified by J. T. Walker C. R. Bush

Instructions dated April 21, 19 32

Remarks:

DESCRIPTIVE REPORT

to accompany

Hydrographic Sheet #22.

U.S.C. & G.S.S. DISCOVERER

H. B. Campbell, Com'dg.

Scale 1/20,000

Season of 1932.

DATE OF INSTRUCTIONS

The work executed on this sheet was done in accordance with Instructions dated April 21, 1932.

LIMITS

This sheet covers the south half of Perenosa Bay and Seal Bay. It joins field sheet #21 on the north side and field sheet #23 on the east. ^{and #41 H-5261} ^{H-5255}
H-5260^

METHOD OF SURVEY

This area was surveyed by the M. V. WESTDAHL and two motor sailers. The inshore area out to the twenty fathom curve was surveyed by the two motor sailers using in general, the hand lead for depths up to ten fathoms and power driven sounding machine for greater depths. The hand lead line was checked each evening and the sheaves at the beginning and end of the season. The remainder of the area was surveyed by the M. V. WESTDAHL using, in general, the fathometer over fifteen fathoms, and hand lead for lesser depths. Frequent vertical casts were taken in various depths, especially over fifty fathoms where difficulty was encountered

in getting satisfactory fathometer soundings. Also, in general, vertical casts were taken hourly for comparisons on which fathometer corrections, which are embodied in this report, are based. An electrical power driven machine was used for these vertical casts.

Survey methods as prescribed by the Hydrographic Manual were followed throughout the sheet.

DISCREPANCIES

For Pos. 1P to 10P some soundings did not agree with soundings taken on sheet #21 by the DISCOVERER. It is recommended that the DISCOVERER'S soundings be accepted where discrepancies exist. Due to the extremely broken bottom it was at times difficult to distinguish strays from the true soundings on the WESTDAHL'S fathometer. In any instance of discrepancies between the M. V. WESTDAHL soundings and ship or motor sailer soundings, full weight should be given to the latter. Due to steep and irregular bottom it was hard to distinguish discrepancies.

Generally all soundings were plotted on the smooth sheet.

DANGERS

There is a tree covered island in the most westerly of the southern arm in Perenosa Bay. The channel to the westward of this island is foul and should not be attempted. There are also rocks in the center of the passage on the east side of the island.

Across Seal Bay there is a series of rocky islands and reefs extending in an ESE direction.

ANCHORAGES

The southeast arm of Perenosa Bay is clear of rocks and shoals and

3.

has an excellent anchorage in 15 fms., muddy bottom, east of the long tree-covered island near the entrance of the arm; approx. Lat. $58^{\circ} 20'$, Long. $152^{\circ} 21'$. There is a $\frac{3}{4}$ fm. shoal 900 meters northwest of the east point of the entrance to the bay. There is also a 1 fm. shoal midway between it and the point.

The arm of Perenosa Bay immediately west of Triangulation Station POSLIE is a good anchorage for all weather except northwest. Anchorage can be had in 10 to 17 fms., muddy bottom, $1\frac{1}{4}$ miles from the entrance, approx. Lat. $58^{\circ} 24.8'$, Long. $152^{\circ} 20'$.

Respectfully submitted,

Kenneth S. Ulm
Kenneth S. Ulm
Aid, C. & G. Survey.

HYDROGRAPHIC FIELD SHEET #22.

STATISTICS

Total Statute Miles - - - - -	804.7
Total Number of Soundings - - - - -	15,355
Total Number of Positions - - - - -	6,340

APPROVAL OF CHIEF OF PARTY

Sheet No. 22 and accompanying records have been inspected by me. Both the field and office work were done under my supervision. No further hydrography is considered necessary in the area covered by this sheet.

Respectfully forwarded:



H. B. Campbell,
Chief of Party, C. & G.S.

*wire drag survey recommended. see par. 10 Review.
RJC*

FATHOMETER CORRECTIONS - (M.V. WESTDAHL)

HYDROGRAPHIC SHEET No. 22

In obtaining fathometer corrections for this sheet all comparisons were listed and by inspection corrections were selected which seemed to be the average during the time the soundings were taken, allowance being made for uneven bottom. Corrections for salinity and temperature were not made as the corrections would be negligible in these depths. A mean correction cannot be taken for a whole day as the zero of the fathometer shifts during the days work.

FATHOMETER CORRECTIONS - (M.V. WESTDAHL)

HYDROGRAPHIC SHEET No.22

July 28, 1932

Pos.	V. C.	Fath.	Corr.
1 A	48.0	49.0	- 1.0
17 A	37.3	36.0	+ 1.3
18 A	24.8	25.0	- 0.2
27 A	32.7	32.0	+ 0.7
28 A	37.1	37.0	+ 0.1
42+A	24.2	23.0	+ 1.2

Corrections to Fath. Soundings

Positions	1-4	Sub.	1.0	Fath.
"	4-7	"	0.5	"
"	7-12	---	0.0	"
"	12-15	Add	0.5	"
"	15-17	"	1.0	"
"	18-23	---	0.0	"
"	23-27	Add	0.5	"
"	28-32	"	0.0	"
"	32-38	"	0.5	"
"	38-42	"	1.0	"

July 29, 1932

Pos.	V. C.	Fath.	Corr.
1 B	36.4	36.0	+ 0.4

Corrections to Fath. Soundings

Positions 1-11 Add 0.5 Fath.

August 1, 1932

Pos.	V. C.	Fath.	Corr.
4 C	35.9	35.5	+ 0.4
20 C	25.3	24.5	+ 0.8
21 C	22.8	22.0	+ 0.8
25 C	29.9	29.0	+ 0.9
33 C	63.0	62.0	+ 1.0
40 C	70.8	69.0	+ 1.8
45 C	76.7	75.0	+ 1.7

Corrections to Fath. Soundings

Positions	1-20	Add	0.5	Fath.
"	21-36	"	1.0	"
"	36-49	"	1.5	"

August 5, 1932

Pos.	V. C.	Fath.	Corr.
1 D	57.7	56.0	+ 1.7
15 D	46.5	45.0	+ 1.5
26 D	70.0	69.0	+ 1.0
27 D	60.0	59.0	+ 1.0
44 D	45.0	44.0	+ 1.0
61 D	59.4	58.0	+ 1.4

Corrections to Fath. Soundings

Positions	1-21	Add	1.5	Fath.
"	21-61	"	1.0	"

HYDROGRAPHIC SHEET No.22 - cont.August 8, 1932

Pos.	V. C.	Fath.	Corr.
7 E	44.5	44.0	+ 0.5
11 E	13.6	13.0	+ 0.6
16 E	41.3	40.0	+ 1.3
20 E	24.4	23.0	+ 1.4

Corrections to Fath. Soundings

Positions	7-12	Add	0.5	Fath.
"	12-16	"	1.0	"
"	16-20	"	1.5	"

August 9, 1932

Pos.	V. C.	Fath.	Corr.
1 F	24.3	24.0	+ 0.3
13 F	25.9	25.5	+ 0.4
21 F	75.5	74.5	+ 1.0
22 F	56.9	56.0	+ 0.9
31 F	37.6	36.0	+ 1.6
43 F	55.0	55.0	0.0 *
54 F	73.6	72.0	+ 1.6
55 F	38.1	37.0	+ 1.1
65 F	67.0	65.0	+ 2.0
68 F	Line ends -----		
69 F	37.0	37.0	0.0
87 F	31.8	31.0	+ 0.8
118 F	37.5	35.0	+ 2.5

* - Uneven bottom.

Corrections to Fath. Soundings

Positions	1-17	Add	0.5	Fath.
"	17-26	"	1.0	"
"	26-68	"	1.5	"
"	69-77	"	0.0	"
"	77-87	"	0.5	"
"	87-92	"	1.0	"
"	92-100	"	1.5	"
"	100-110	"	2.0	"
"	110-118	"	2.5	"

August 11, 1932

Pos.	V. C.	Fath.	Corr.
1 G	39.6	39.0	+ 0.6
20 G	35.0	35.0	0.0

Corrections to Fath. Soundings

Positions	1-11	Add	0.5	Fath.
"	11-20	"	0.0	"

August 15, 1932

Pos.	V. C.	Fath.	Corr.
1 H	29.7	29.0	+ 0.7 *
42 H	51.6	52.0	+ 0.4
58 H	51.7	51.0	+ 0.7
61 H	55.8	55.0	+ 0.8
87 H	27.7	27.0	+ 0.7
107 H	20.3	20.0	+ 0.3
114+H	40.9	40.0	+ 0.9

* - Fathometer stopped.

Corrections to Fath. Soundings

Positions	1-23	Add	0.5	Fath.
"	23-47	Sub.	0.5	"
"	47-52	---	0.0	"
"	52-111	Add	0.5	"
"	111-114	"	1.0	"

HYDROGRAPHIC SHEET No.22 - cont.August 16, 1932

Pos.	V. C.	Fath.	Corr.
1 J	26.3	26.0	+ 0.3
14 J	35.2	34.0	+ 1.2

Corrections to Fath. Soundings

Positions	1-9	Add	0.5	Fath.
"	9-14	"	1.0	"

August 17, 1932

Pos.	V. C.	Fath.	Corr.
17 K	28.5	28.0	+ 0.5

Corrections to Fath. Soundings

Positions	1-17	Add	0.5	Fath.
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August 18, 1932

Pos.	V. C.	Fath.	Corr.
1 L	23.5	23.0	+ 0.5

Corrections to Fath. Soundings

Positions	1-13	Add	0.5	Fath.
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August 23, 1932

Pos.	V. C.	Fath.	Corr.
1 M	21.5	21.0	+ 0.5
2 M	48.0	47.0	+ 1.0
12 M	24.6	24.0	+ 0.6
13 M	41.3	41.0	+ 0.3
72 M	48.6	47.0	+ 1.6
81 M	50.4	47.0	+ 3.4 R.
82 M	47.9	48.0	- 0.1
99 M	53.7	53.0	+ 0.7
127 M	36.4	37.0	- 0.6 *
136 M	37.6	38.0	- 0.4
145 M	45.0	43.0	+ 2.0
154 M	34.3	34.0	+ 0.3
160 M	33.0	32.5	+ 0.5
166 M	36.3	36.0	+ 0.3
170 M	21.7	22.0	- 0.3
173 M	46.0	46.0	0.0
174 M	53.5	53.0	+ 0.5
181 M	34.3	34.0	+ 0.3
182 M	34.6	34.5	+ 0.1
248 M	46.6	46.0	+ 0.6
249 M	31.7	31.0	+ 0.7
287 M	38.8	37.0	+ 1.8
288 M	38.0	35.0	+ 3.0 Rej.
297 M	42.9	42.0	+ 0.9

R. - Reject, adjusted initial.

* - Amid wire soundings.

Corrections to Fath. Soundings

Positions	2-11	Add	1.0	Fath.
"	11-34	"	0.5	"
"	34-51	"	1.0	"
"	51-81	"	1.5	"
"	82-88	"	0.0	"
"	88-112	"	0.5	"
"	137-173	"	0.0	"
"	173-248	"	0.5	"
"	249-265	"	1.0	"
"	265-292	"	1.5	"
"	292-297	"	1.0	"

HYDROGRAPHIC SHEET No.22 - cont.August 24, 1932

Pos.	V. C.	Fath.	Corr.
2 N	57.6	57.0	+ 0.6
22 N	53.0	53.0	0.0
28 N	38.0	36.0	+ 2.0
57 N	24.3	23.0	+ 1.3
60 N	End of Fath. Sdg.		
103 N	37.5	37.0	+ 0.5
111 N	End of day.		

Corrections to Fath. Soundings

Positions 2-60 Add 1.0 Fath.
 " 103-111 " 0.5 "

August 25, 1932

Pos.	V. C.	Fath.	Corr.
1 P	21.4	21.5	- 0.1

Corrections to Fath. Soundings

Positions 1-10 --- 0.0 Fath.

August 26, 1932

Pos.	V. C.	Fath.	Corr.
1 Q	39.5	39.0	+ 0.5
2 Q	41.1	41.0	+ 0.1
22 Q	63.0	62.0	+ 1.0
44 Q	20.6	20.0	+ 0.6
55 Q	30.2	30.0	+ 0.2
62 Q	50.8	50.0	+ 0.8
78 Q	22.4	22.0	+ 0.4
123 Q	19.5	19.0	+ 0.5
164 Q	25.2	25.0	+ 0.2
173 Q	32.7	33.0	- 0.3
191 Q	41.8	41.0	+ 0.8
237 Q	20.2	20.0	+ 0.2
287 Q	16.5	16.0	+ 0.5
320 Q	28.0	27.5	+ 0.5

Positions 1-320 Add 0.5 Fath.

August 27, 1932

Pos.	V. C.	Fath.	Corr.
3 R	23.0	23.0	0.0
12 R	48.5	48.0	+ 0.5
13 R	47.7	47.0	+ 0.7
14 R	43.0	43.0	0.0
24 R	33.5	32.0	+ 1.5

Corrections to Fath. Soundings

Positions 3-7 Add 0.0 Fath.
 " 7-18 " 0.5 "
 " 18-20 " 1.0 "
 " 20-24 " 1.5 "

Sept. 28, 1932

Pos.	V. C.	Fath.	Corr.
1 S	20.0	20.0	0.0
5 S	19.0	19.5	- 0.5
40+S	39.4	40.0	- 0.6
67 S	37.8	38.0	- 0.2
99+S	34.5	33.5	+ 1.0 *
108 S	36.5	36.5	0.0
99+S	29.0	29.0	0.0
129 S	40.0	40.0	0.0
133 S	67.3	67.5	+ 0.2
145 S	53.6	53.5	- 0.1
154 S	71.0	71.0	0.0

* - Adjusting fath. pts.

Positions 1-3 ---- 0.0 Fath.
 " 3-67 Sub. 0.5 "
 " 67-77 --- 0.0 "
 " 77-89 Add 0.5 "
 " 89-99 " 1.0 "
 " 99-154 --- 0.0 "

Oct. 3, 1932

Pos.	V. C.	Fath.	Corr.
2 T	23.9	23.5	+ 0.4
44 T	35.0	35.0	0.0
72 T	19.0	18.5	+ 0.5
119 T	55.0	55.0	0.0

Positions 2-119 --- 0.0 Fath.

June 1, 1933.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
24 volumes of sounding records for

HYDROGRAPHIC SHEET 5265

Locality Perenosa and Seal Bays, Afognak Island, S.W. Alaska

Chief of Party: H. B. Campbell in 1932

Plane of reference is mean lower low water, reading

5.3 ft. on tide staff at Perenosa Bay

13.2 ft. below B. M. 1

7.8 feet on tide staff at Seal Bay

13.2 feet below B.M. 1


10.8 feet on tide staff at Tonki Bay

19.8 feet below B.M. 1

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.

Height of mean higher high water above plane of reference is 11.3 feet
at Perenosa Bay; 11.2 feet at Seal Bay and 10.8 feet at Tonki Bay.


Acting Chief, Division of Tides and Currents.

Wes. Report

80-DEM

August 15, 1933.

To: Chief, Section of Field Work.

From: Chief, Section of Field Records.

Subject: Hydrographic survey No. 5265.

(No review was written)

A preliminary review of H. 5265, Parenosa Bay and vicinity of the north end of Afognak Island, has been made before verification in order to note any particular spots where additional work could be done by the field party during the present season to complete development of such areas. There have been noted on the three boat sheets of this survey 53 separate spots. In most of the cases sufficient lines have been run but there has been a lack of cruising over the shoals and feeling along the bottom with the hand lead to follow up the slope to ascertain whether the shoalest points have been found.

It is recommended that these boat sheets, together with a bromide of the smooth sheet, be forwarded to the Commanding Officer of the DISCOVERER in order that examination may be made of as many of these points as possible. It is suggested that the Commanding Officer be instructed to use his judgment on the more important ones, those that would be nearest the channel of vessels or tenders using this area.

The Commanding Officer should be requested to return the boat sheets at the close of the season, whether or not he has had opportunity to do any additional work on them, in order that they may be used to refer to in connection with the verification of H. 5265.

Chief, Section of Field Records.

a bromide of the smooth sheet is enclosed

Report on H. 5265 of that portion of the verification and inking that was done by J. T. Walker.

It was decided by Capt. Colbert when this sheet was taken in hand by the writer that the soundings which seemed to need additional development should first be checked and inked in. This was done and the first volume was also checked and inked in, using the boat sheet as an additional check on the protracting. ~~The boat sheets~~ were then sent to the field for additional work and have not yet been returned. *9 boxes of boat sheets*

The remainder of the protracting was done without the aid of the boat sheets and, according to current instructions, only such positions as seemed erroneously plotted were checked. It is recommended that when the boat sheets are returned they be compared with the smooth sheet. *Boat sheets have been compared, Sept. 1926*

All of the soundings in the first 13 volumes were inked in by the writer except a few which needed the boat sheets as a check on their position. These soundings are listed in notes attached to the various volumes. In the remainder of the volumes (due to a change in instructions) only those soundings in congested areas and those which appeared critical were inked in by me. The protracting of the entire sheet was also checked by the writer for those positions which looked dubious.

Tracings were made of all the topographic sheets and the offlying or important rocks were checked with those appearing on the smooth sheet and such changes as were necessary were made. Many inshore rocks were not transferred to the smooth sheet and it has not yet been decided that they should be. *Rocks not transferred but appropriate were added to sheet.*

A. R. S. 10-12-36

J. T. Walker
11/14/23

H-5265

No additional work
has been received to date
as called for in preliminary
review. — Final
review to be written
when add. work received.

EKG

Dec 24, 1935

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO NO. 80-DFM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

2802
Please attach to
Descriptive Report
H 5265
August 15, 1933.

To: Chief, Section of Field Work.
From: Chief, Section of Field Records.
Subject: Hydrographic survey No. 5265.

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The Commanding Officer should be requested to return the boat sheets at the close of the season, whether or not he has had opportunity to do any additional work on them, in order that they may be used to refer to in connection with the verification of H. 5265.

L. O. Goblet

Chief, Section of Field Records.

1 Bromide of smooth sheet enclosed.

Memoandum and bromide sent to
Discoverer but no additional work
accomplished due to closing of field season
July.

Section of Field Records

Sept. 1936

Report on H. 5265

Chief of Party H. B. Campbell ✓

Notated by K. S. Ulm, E. Edmith

Verified and Inked by C. R. Bush ✓

Surveyed in June - October 1932

Surveyed by W. M. Scaife, R. J. Sipe, J. M. Jones ✓

Soundings plotted by K. S. Ulm ✓

Topography inked by K. S. Ulm.

The purpose of this report is to supplement that of J. Walker dated 11-14-33 and attached hereto. As mentioned in Mr. Walker's report topographic features, offlying or important rocks, and practically all developments were verified and inked by Mr. Walker. Inshore rocks and other features which would tend to complicate and confuse the sheet were purposely omitted on orders of C. O. Colbert, Chief Section of Field Records. The remainder of the sheet was verified and inked by the undersigned and the depth curves drawn.

The undersigned found it necessary to change soundings erroneously plotted.

The ~~field~~ drafting was clear and legible and depth curves in most cases could be readily

drawn except where close to refs.

Boat sheets could not be compared due to the fact that they were returned to the field party for certain additional developments.

Respectfully submitted

Chas P Bushy - Sept. 1936

Boat sheet was returned to the office and doubtful points compared.

Ryle

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 5265 (1932) FIELD NO. 22

Perenosa and Seal Bays, Afognak Island, Alaska
Surveyed in June - Oct. 1932 - Scale 1:20,000.
Instructions dated April 21, 1932 (Discoverer)

Hand Lead, Machine and
Fathometer Soundings

3 Point fixes on shore signals

Chief of Party - H. B. Campbell
Surveyed by - W. M. Scaife, R. J. Sipe, J. N. Jones
Protracted by - K. S. Ulm, E. E. Smith
Soundings penciled by - K. S. Ulm
Verified and inked by - J. T. Walker and C. R. Bush Jr.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual except that the extent of search for the least depth on the various shoals is not indicated in the sounding records.

The Descriptive Report does not note the character of vessels using this area, nor does it give sailing directions, but satisfactorily covers all other items of importance.

2. Compliance with Instructions for the Project.

The plan and character of development are in accordance with the instructions for the project, except that some of the shoals should have had further development. (See Par. 1 and 10 of this review.)

3. Shoreline and signals.

The shoreline and signals originate with plane table surveys T-4734, T-4735 and T-4736 all of 1932.

4. Sounding Line Crossings.

No regular system of cross lines was run, but depths at crossings resulting from the development work are in as close agreement as can be expected in bottom of this character. Attention is directed to the statement under "Discrepancies" page 2 of the Descriptive Report, relative to difficulties with the Westdahl's fathometer.

5. Depth Curves.

Within the area covered, the usual depth curves can be satisfactorily drawn, including portions of the 5, 3, 2, and 1 fathom curves.

6. Junction with Contemporary Surveys.

The junctions with H-4585 (1926), H-5260 (1932), H-5261 (1932) and H-5255 (1932) are satisfactory.

7. Comparison with Prior Surveys.

There are no prior surveys within the area covered by H-5265 (1932)

8. Comparison with Chart 8533 (New Print dated Mar. 17, 1936)

Chart 8555 (" " " Oct. 28, 1935)

Chart 8502 (" " " Apr. 17, 1936)

a. Hydrography

The charts are based on the present survey which was applied previous to its review. Attention is directed to the following:

- (1) the rock awash at low water in lat. 58-23.98, *added to chart 8556 Feb. 1940*
long 152-12.30 was added to the sheet during *is charted in 8533*
the course of the review and is not now charted.
- (2) the shoal with least depth of 6 1/5 fathoms, *charted as 6 1/4 in 8533 7/4/46*
lat. 58-26.2 long 152-21.4 is charted as 6
on charts 8533 and 8502 but as 6 1/4 on chart
8555.

Previous editions of the above charts did not have any hydrographic information within the area of the present survey.

b. Aids to Navigation

No aids to navigation are charted within the area covered by the present survey.

9. Field Plotting

The field plotting in general was satisfactory. A few erroneously penciled soundings were corrected, and minor changes in shoreline, islands and rocks were made by the verifiers in the office.

10. Additional Field Work Recommended

Before the verification of the sheet was completed, the boat sheet was returned to the field for additional development on 53 shoals and shoal indications. Owing to the close of the 1933 field season, none of the additional work was accomplished and the boat sheet was returned to the office. (See correspondence attached to the Descriptive Report.)

Steep rocky shoals abound in this area and a wire drag survey of the channels would be desirable and as much of the other area

as practical. If such wire drag survey is not feasible, additional development with hand lead and machine should be made on the following more important shoals and indications, supplementing the work with drift sounding on those that appear to be a menace to navigation. Of the shoals indicated on the above mentioned boat sheet, only those lying close to the channels, or that show no special examination at all, have been listed.

- a. The area in the vicinity of the 21 fm. in lat 58-26.7 long. 152-25.5 This is a fathometer sounding with much deeper water to eastward.
- b. The area in the vicinity of the 21 fm. in lat. 58-23.6 long. 152-27.4 This is a fathometer sounding in general depths of 26 to 27 fathoms, and the lines are spaced about 200 meters.
- c. The 19 fm. in lat. 58-22.6 long. 152-26.3 This is a fathometer sounding near a 37 machine sounding by the port motor sailer. A 20 fathom sounding by the latter lies about 300 meters southwest.
- d. The area in the vicinity of the 6 $\frac{4}{6}$ fam. in lat. 58-25.8 long 152-17.0 This sounding was made by the motor sailer but the lines are spaced 200 meters apart and the shoal is adjacent to the main channel.
- e. The 17 fam. in lat. 58-25.3 long. 152-12.4 is a fathometer sounding in a general depth of 23 to 24 fathoms.
- f. The 10 fathom sounding in lat. 58-24.7 long. 152-11.7 is a fathometer sounding in depths of 19 to 20 fathoms and adjacent to the channel.
- g. The area in the vicinity of the 13 fm. in lat 58-23.2 long. 152-13.5 This is a fathometer sounding with a 19 by the motor sailer close northwest of it.
- h. The sounding record shows a $9\frac{1}{2}$ fathom sounding at pos. 49 n Port Motor Sailer, in approx. lat. 58-21.75 long 152-13.6 A later examination, (pos. 130Q, Motor Sailer) found no less than 24 fathoms, but the records fail to show rejection of the former sounding. The $9\frac{1}{2}$ has not been plotted on the sheet, but the area should be reexamined.

11. Note to Compiler

Attention is directed to par. 8 a (1) relative to a rock awash not now charted.

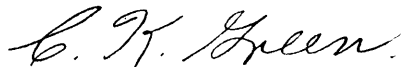
12. Superseding Old Surveys

There were no prior surveys by this bureau in this area.

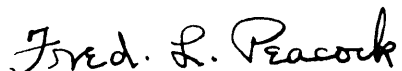
13. Reviewed by R. J. Christman, Sept. 21, 1936.


Inspected by John G. Ladd

Examined and approved:


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


L. O. Robert,
Chief, Division of Charts


Fred. L. Peacock
Chief, Section of Field Work


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

NAUTICAL CHARTS BRANCH

SURVEY NO. 4-5265

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
<i>14 Sept 48</i>	<i>8573</i>	<i>Richols</i>	Before After Verification and Review
			<i>Added depth curves</i>
<i>Dec 1948</i>	<i>8533</i>	<i>Walker</i>	Before After Verification and Review
			Before After Verification and Review
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			Before After Verification and Review

M-2168-1

A basic hydrographic or topographic survey supersedes all
 information of like nature on the uncorrected chart.
 Give reasons for deviations, if any, from recommendations
 made under "Comparison with Charts" in the Review.

Applied to ^{Drawing of} Chart 8573 July 6, 1935 - H.B.

Inspected application to chart 8556 - Feb. 1946 H.F.R. - after review _{A.M.A.}