

6111

U. S. COAST & GEODETIC SURVEY
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Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. U - 2235

**DECLASSIFIED BY NOAA
PURSUANT TO DOC SYSTEMATIC REVIEW
GUIDELINES AS DESCRIBED IN SECTION
3.3(a), EXECUTIVE ORDER 12356.**

State A L A S K A

LOCALITY

KALEKTA ^{or} BY

UNALASKA ISLAND

1935

CHIEF OF PARTY

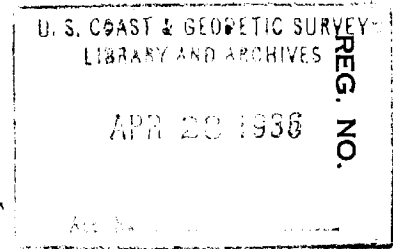
A. M. SOBIERALSKI, H. & G. E.

U. S. GOVERNMENT PRINTING OFFICE

6111



DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



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. U - 2235 **H6111**

REGISTER NO.

State A L A S K A

General locality Unalaska Island

Locality Kalekta Bay

Scale 1:20,000 Date of survey Sept 30 - Oct. 12 1935

Vessel U. S. C. & G. S. S. SURVEYOR

Chief of Party A. M. Sobieralski

Surveyed by G. L. B., W. M. G., D. E. S.

Protracted by E. H. Sheridan

Soundings penciled by E. H. Sheridan

Soundings in fathoms feet

Plane of reference M L L W

Subdivision of wire dragged areas by

Inked by W. R. Jackson

Verified by W. R. Jackson

Instructions dated April 13, 19 34

Remarks:

DESCRIPTIVE REPORT
to accompany
HYDROGRAPHIC SHEET FIELD NO. U-2235
SCALE 1:20,000
SEASON OF 1935

U. S. C. & G. S. S. SURVEYOR

-o-

A. M. SOBIERALSKI, COMMANDING

Instructions:

This survey was made under the authority of instructions to the Commanding Officer of the Ship SURVEYOR dated April 13, 1934.

Survey Methods:

The soundings on this sheet are controlled by sextant fix positions from signals on shore located by triangulation and topography. The launch soundings were secured by wire and hand lead in the usual manner. Hand lead soundings were taken from shoal water out to about 13 fathoms, and wire soundings were taken from about 13 fathoms and deeper.

Discrepancies:

There are no marked discrepancies on this sheet with the 19 has the exception of a 19 fathom sounding on position 52-b, launch sounding. Latitude 53 - 59 - 882 meters, Longitude 166 - 16 - 360 meters. This should probably be 29 fathoms or be rejected.

been retained
it was not
questioned in
records and
area is rky. J.C.H.

Dangers:

This sheet is free from dangers 150 meters away from the beach, with the exception of those listed below:

(a) *A rock awash at about 3/4 tide usually with breakers around it, 620 meters north of © Don - Latitude 54 - 00 - 1700 meters, Longitude 166 - 22 - 490 meters.

Sec H-5978

* beyond limits of hydrography of this sheet

(b) Two sunken rocks, 340 meters east of © Bee marked with kelp. Latitude 53 - 57 - 760 meters, Longitude 166 - 22 - 390 meters.

J.C.H.

(c) A rock awash at about half tide 350 meters north-west of © Art. Latitude 53 - 58 - 00 meters, Longitude 166 - 19 - 70 meters.

(d) A foul area extending 250 meters off shore around Erskine Point from © Mik to © Done.

J.C.H.

Currents:

From a line between Kalekta Point and Erskine Point the current increases to seaward and decreases rapidly landward so inside the Bay the currents are not noticeable. Rather heavy tide rips occur off of Kalekta and Erskine Points. ✓

Comparisons with Previous Surveys:

A reconnaissance survey of this area was made in 1901. No marked discrepancies were noted. ✓

Anchorage:

Kalekta Bay furnishes good anchorage in westerly weather, but is wide open to northerly and easterly winds. ✓

Approved & forwarded:

A. M. Sobieralski
A. M. Sobieralski
Commanding Officer,
U. S. C. & G. S. S. SURVEYOR

Respectfully submitted,

V. M. Gibbens
V. M. Gibbens,
Jr. H. & G. E.

LIST OF SIGNALS
TO ACCOMPANY
HYDROGRAPHIC SHEET FIELD NO. U-2235

Triangulation Stations:

| | |
|------------------------------|-----------------------|
| Kalekta, 1934 (Kal) | Bun, 1934 |
| Priest Rk., 1901-34 (Rock) | Unalga, 1901-34 (Una) |
| Lofty Mt., 1901-34 | Dome, 1901 |
| Roof, 1901-34 | Malga, 1934 (Mal) |
| Brundage Head, 1901-34 (Dag) | Perch, 1934 |

Topographic Stations:

Str. DISCOVERER'S SHEET G-35

| | |
|-----|-------|
| Ess | Gig |
| Est | Delta |

U - E - 34:

| | |
|------|------|
| Mule | Gos |
| Gay | Lat |
| Plug | Done |
| Con | End |
| Bold | Six |

U - A - 35:

| | | | |
|-----|-----|-----|------|
| Top | Don | Ten | Fug |
| Bet | Dry | Dog | Ros |
| Bab | Gin | Rat | Bug |
| Las | And | Cow | Mar |
| Wat | Bee | Hen | Hog |
| Tip | Gay | Leo | Box |
| Pin | Gog | Tex | Box |
| Buc | Jak | Pig | Big |
| Dal | Hit | Hog | Rod |
| Sip | Run | Bek | Pat |
| Gor | Cat | Art | Mike |

STATISTICS TO ACCOMPANY

HYDROGRAPHIC SHEET FIELD NO. U-2235

SURVEYOR

| <u>Date</u> | <u>Day</u> | <u>Vol.</u> | <u>No. of Pos.</u> | <u>No. of Sdgs.</u> | <u>Statute Miles</u> |
|-------------|------------|-------------|--------------------|---------------------|----------------------|
| 10-12-35 | A | 1 | 306 | 1141 | 91.8 |

LAUNCH #3

| | | | | | |
|---------|---|-----|-----------|------------|-------------|
| 9-30-35 | a | 2 | 114 | 491 | 21.4 |
| 10-1-35 | b | 2 | 134 | 423 | 24.3 |
| 10-2-35 | c | 2-3 | 125 | 507 | 33.4 |
| 10-3-35 | d | 3 | 99 | 306 | 26.5 |
| 10-4-35 | e | 3 | 22 | 85 | 3.9 |
| 10-6-35 | f | 4 | <u>78</u> | <u>197</u> | <u>23.4</u> |
| | | | 878 | 3150 | 224.7 |

Area in square statute miles..... 30.0

RAC.

TIDE NOTE FOR HYDROGRAPHIC SHEET

July 6, 1936

Division of Hydrography and Topography:

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

Tide Reducers are approved in
4 volumes of sounding records for

HYDROGRAPHIC SHEET 6111

Locality Kalekta Bay, Aleutian Islands

Chief of Party: A. M. Sobieralski in 1935
Plane of reference is mean lower low water reading
3.7 ft. on tide staff at Dutch Harbor
12.5 ft. below B.M. 1

Height of mean high water above plane of reference is 3.4 ft.

Condition of records satisfactory except as noted below:



Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES
 Survey No. **H6111**

| Name on Survey | <div style="display: flex; justify-content: space-between; font-size: small;"> On Chart No. <i>8860</i> On previous survey No. On U. S. Geographical Maps <i>8860</i> From local information <i>Chart 9322</i> On local Maps P. O. Guide or Map Rand McNally Atlas U. S. Light List </div> | | | | | | | | | |
|--------------------------|--|---|---|---|---|---|---|---|---|----|
| | A | B | C | D | E | F | G | H | | |
| <u>Cape Kalekta</u> ✓ | * | | ✓ | | | | | | ✓ | 1 |
| <u>Unalaska Island</u> ✓ | * | | ✓ | | ✓ | | — | | ✓ | 2 |
| <u>Kalekta Bay</u> ✓ | * | | ✓ | | | | — | | ✓ | 3 |
| <u>Erskine Point</u> ✓ | * | | | | | | | | ✓ | 4 |
| | | | | | | | | | | 5 |
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Names underlined in red approved
 by *[Signature]* on 6/16/36

Remarks

Decisions

| | Remarks | Decisions |
|----|---------|-----------|
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Field Records Section (Charts)

HYDROGRAPHIC SHEET NO. **H6111**

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

| | |
|--|--------------------|
| Number of positions on sheet | .. 87.8 |
| Number of positions checked | 20 |
| Number of positions revised | 2 |
| Number of soundings recorded | . 31.50 |
| Number of soundings revised | ... 32 |
| Number of signals erroneously plotted or transferred | 0 |

Date: *Aug. 15, 1936.*

Verification by *W. R. Jackson*

Time: ~~27~~ hrs. 73

Review by *John G. Ladd*

Time: 14½ hrs.

HYDROGRAPHIC SURVEY NO. H6111

Smooth Sheet Yes

Boat Sheet Yes - 2

Sounding Records 4 Vols. _____

Descriptive Report Yes

Title Sheet Yes

List of Signals Yes

Landmarks for Charts (Form 567) No

Statistics Yes

Approved by Chief of Party No

Recoverable Station Cards (Form 524) No

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

Remarks _____

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

} No. H **H6111**
No. T

{ received April 28, 1936
registered May 25, 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 |
|-------|--|-----------|---------------------|
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| 22 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| ✓ 30 | | <i>ws</i> | <i>page 2 - PR</i> |
| 40 | | | |
| 62 | | | |
| 63 | | | |
| 82 | | | |
| 83 | | | |
| 88 | | | |
| 90 | | | |
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RETURN TO

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| 82 | |
|----|--|

C. K. Green

Report on H-6111.

1. The records conform to the requirements of the General Instructions. ✓
2. The usual depth curves were completely drawn. ✓
3. The field plotting was completed to the extent prescribed in the Hydrographic Manual, but fractions, as per later instructions, were not shown above 10 fms. ✓
4. No drafting was done on. ✓
The shore line and detail was checked with sheets T-4933 and T-4920. ✓
5. The junctions with contemporary adjacent sheets is satisfactory. H-5978, H-5973, H-5945 and H-5949. ✓
6. (a) Signal "Don" appears on the sheet twice.
(b) The 19 fm. sounding on position 52-b. was inked in. The descriptive reports questioned the sounding, but it is possible that it exists. ^{The 19 retained as plotted. J.C.L.}
(c) The foul area around 'Erskine Pt.', mentioned in the D.R. in (d) under dangers, was not placed on the Hydro. sheet, the off shore distance seems a bit exaggerated. ✓
(d) A rock awash 50 m. N. of O End was not found on the Topo sheet and not in the sounding records. ✓
It is suggested it be deleted. *

rock has been removed
J.C.L.

Respectfully submitted,
William R. Jackson

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6111 (1935) FIELD NO. U-2235

Kalekta Bay, Unalaska Island, Alaska
Surveyed in 1935 - Scale 1:20,000
Instructions dated April 13, 1934

Hand Lead, Machine and Fathometer 3 Point fixes on shore signals.
Soundings.

Chief of Party - A. M. Sobieralski.
Surveyed by - V. M. Gibbins.
Protracted by - E. H. Sheridan.
Soundings penciled by - E. H. Sheridan.
Verified and inked by - W. R. Jackson.

1. Condition of Records.

The records are neat and legible and conform to the requirements of the Hydrographic Manual except as follows:

- a. No approval note by the Chief of Party accompanied the Descriptive Report.
- b. Important hydrographic features such as rocks, etc., noted in the remark column of the volumes were not listed on the index pages of the sounding volumes.

The Descriptive Report is complete and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The survey satisfies the instructions for the project.

3. Shoreline and Signals.

The shoreline and topographic signals originate with T-4933 (1935), T-4920 (1934) and T-4929 (1935).

4. Sounding Line Crossings.

No regular system of cross lines was run. However, those that occur in the normal development of the work, together with the parallel adjacent lines are in good agreement.

5. Depth Curves.

The usual depth curves may be satisfactorily drawn, including most of the 2 and 3 fathom curves and portions of the one fathom curve.

6. Junctions with Contemporary Surveys.

Junctions are made with the following surveys: H-5978 (1935) on the west, H-5973 (1935) on the north and northwest, H-5745 (1934) on the north and southeast and H-5949 (1935) on the east. It is noted that the soundings on the present survey are, in general, one to two fathoms deeper than those in the adjoining surveys, although in a few areas the depths are in agreement. Some of these differences may be attributed to the irregular bottom. However, for charting purposes the junctions are considered satisfactory.

7. Comparison with Prior Surveys.a. H-2541 (1901).

This survey on a 1:60,000 scale contains but a few soundings that fall within the limits of the present survey. The agreement is satisfactory with the exception of the rock awash at Lat. $54^{\circ} 57.8'$, Long. $166^{\circ} 19.5'$ which originates with H-2544 (1901) and is discussed under that survey.

b. H-2544 (1901).

This survey on a 1:10,000 scale consists of a single in-shore zig-zag line of soundings. A comparison between it and the present survey shows numerous discrepancies. These discrepancies however are of such a consistent nature that it is evident that the control on the old survey was very weak. It is also noted that the shoreline on H-2544 (1901) apparently originates from T-2544 (1901) which is on a 1:40,000 scale but does not show any of the signals shown on H-2544 (1901). The origin of the signals and the method of locating same is therefore unknown. It is further noted that some of the signals are located on islets which are not even shown on the present survey. In view of these discrepancies, together with the completeness of the present survey, H-2544 (1901) should be entirely superseded in future charting. Special mention is made of the following:

- (1) The rock awash (charted) at Lat. $53^{\circ} 57.85'$, Long. $166^{\circ} 19.48'$ originates with the sounding records of H-2544 (1901) and is plotted in reference to a sounding. In view of the weak control for the sounding lines (see preceding paragraph) the rock which is not verified by the present hydro. or topo. surveys is considered to be an erroneous location of the sunken rock shown further inshore on the present survey and should therefore be disregarded in future charting.
- (2) The shoreline, islets, rocks etc., shown on H-2544 (1901) originate with T-2544 (1901) and are considered to be a generalization only of the more accurately delineated topography as shown in the present survey and originating with the present topographic surveys. (See par. 3).

8. Comparison with Chart No. 8860 (New issue dated Feb. 21, 1936).

a. Hydrography.

Within the area of the present survey the chart is based on surveys discussed in the foregoing paragraphs and contains no additional information that needs consideration in this review.

b. Aids to Navigation.

There are no aids to navigation within the limits of the present survey.

9. Field Plotting.

The field plotting was satisfactory.

10. Additional Field Work Recommended.

No additional field work is required.

11. Superseding Old Surveys.


Within its limits the present survey supersedes the following surveys for charting purposes:


H-2541 (1901) in part
H-2544 (1901) " "

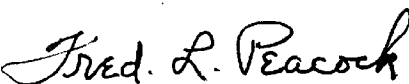
12. Reviewed by John G. Ladd, August 20, 1936.


Inspected by A. L. Shalowitz.

Examined and approved:


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


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


Fred. L. Peacock,
Chief, Section of Field Work.


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

TIDAL NOTE TO ACCOMPANY

H6111

HYDROGRAPHIC SHEET FIELD NO. U-2235

Tides recorded by standard gage No. 211 at Dutch Harbor
were used for the reduction of soundings on this sheet.

Latitude 53 - 53.5 N

Longitude 165 - 48.4 W

M L L W (1934)..... 3.7 Ft.

Highest tide recorded: May 24, 25, 29, 30
June 22, 23, 1935..... 8.1 "

Lowest tide recorded: June 23, 1935..... 2.2 "

Applied to new compilation, Chart No 9007 Dec. 1936. S. B. Maize.

Applied to drawing of Chart No. 8860 Dec. 1936 S. B. Maize

Applied to drawing of Chart No 8802. S. B. Maize June 1937

Applied to new compilation of Chart No. 9007 (extended) S. R. Aug. 1938