

4148

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Form 504
 DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY

State: *S. W. Alaska*

11-9013

DESCRIPTIVE REPORT.

Hydro. Sheet No. **4148**

LOCALITY:

*Kodiak Island -
 West Coast,
 Halibut Bay*

1920

CHIEF OF PARTY:

F. H. Hardy.

O. & G. SURVEY
 L. & A.
 JAN 14 1921
 Ass. No.

TITLE.

Descriptive Report.
to accompany
Hydrographic Sheet No. 4148
Halibut Bay

West Coast of Kodiak Island,
Alaska.

Surveyed by R.W. Healy-R.C. Overton, Mates.

USS. SURVEYOR.

F.H. Hardy, Commanding.

Scale 1-20,000.

1920.

Descriptive Report.
to accompany
Hydrographic Sheet No.
Halibut Bay
West Coast of Kodiak Island.
Scale 1-20,000.

The work on this sheet was done at odd times by a launch when weather was unfavorable for ship work off shore. Only five partial days were spent on it, and there was no opportunity to complete the northern part of the bay. All soundings were taken with wire, the launch stopping for each sounding.

No tide staff was established; soundings were reduced by taking a mean between predicted heights at Alitak Bay and Uyak. (See Vol. 1, Sounding Record)

General Description. Halibut Bay is an open bight about $3 \frac{1}{2}$ miles wide and $1 \frac{1}{2}$ miles deep, between Cape Grant and Middle Headland. The entrance points are high and rugged. There is a fine sand beach all along the shore of the bay. A small conical mound (ø Cone) close to the beach and about the middle of the bay makes a good leading mark.

The bottom, as far as examined, is regular, shoaling gradually toward the beach. Some kelp was seen about $\frac{3}{8}$ of a mile off the beach in the northern end of the bay.

The lagoon near the southern end of the bay can be entered by small boats at high water, but at low water it is possible to wade across the entrance.

Anchorage. The SURVEYOR anchored frequently in the southern part of the bay for shelter from S.W. to East. In northerly weather some shelter was found in the northern end of the bay, but the holding bottom is not as good as in the southern part of the bay.

Names. All names are taken from Coast Pilot, Alaska, Part 2, Page 141.

Respectfully submitted.

A. M. Sobieralski

A. M. Sobieralski.

H. G. E.

To The Director,
U. S. Coast & Geodetic Survey,
Washington, D. C.

Statistics Sheet No. _____

| Date | 1920 | Letter | Volume | Position | Soundings | Miles Statute | Vessel |
|--------|------|--------|--------|----------|-----------|------------------|---------|
| July | 28 | a | 1 | 36 | 36 | 3.5 | Lch. #4 |
| | 29 | b | 1 | 36 | 36 | 3.8 | " |
| August | 20 | c | 1 | 168 | 191 | 14.7 | " |
| | 21 | d | 1 | 149 | 150 | 15.4 | " |
| | 23 | e | 2 | 95 | 95 | 9.2 | " |
| Total | | | | 504 | 508 | 46.6 | |

DIRECTOR
ADDRESS THE SUPERINTENDENT
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 41/VFB

DUPLICATE.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON January 21, 1921.



Division of Hydrography and Topography:

Division of Charts:

Tidal reductions are approved in
2 volumes of sounding records for

HYDROGRAPHIC SHEET 4148

Halibut Bay, Kodiak Island, Alaska
F. H. Hardy in 1920.

* Plane of reference is
Mean lower low water, reading

4.5 ft. on tide staff at Erskine Dock, Kodiak.

* Allowance made for difference in tide at place of soundings.

Condition of records: Satisfactory.

Hammill

Acting Chief, Division of Tides and Currents.

Hydrographic Sheet No. 4148
Stalibut ^{Bay} Harbor, S. E. Alaska.

This work covers only the southern portion of Stalibut Bay but appears sufficient to develop the condition of the bottom in this area satisfactorily. The soundings indicate a uniform shoaling towards the shore and no indications of shoals or rocks.

The sheet was projected by the Field Party and where verified found accurate.

The soundings were pencil plotted by the field party but being plotted in feet the question of accuracy was not entered into as it was necessary to change the plotting to fathoms.

The records are subject to but one criticism, that being the entering of signals name at each position instead of referring to a previous position by the word "same". This is not good practice and should be avoided.

John D. Torrey
2/8/21

AND REFER TO NO. 4-1151

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

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet 4148.

Surveyed in 1920.

Chief of Party: F. H. Hardy.

Surveyed by R. W. Healy and
R. C. Overton.

Protracted by L. M. Mower.

Soundings plotted by L.M.Mower.

Verified and inked by J. D. Torrey.

1. The records conform to the requirements of the General Instructions.
2. The plan and character of development fulfill the requirements of the General Instructions, except that there are no cross lines of soundings.
3. The plan of development satisfies the specific instructions.
4. There was no difficulty in drawing the usual depth curves.
5. The field plotting was completed to the extent prescribed in General Instructions.
6. Owing to the fact that the soundings were plotted in feet, and also to the fact that changes in tidal reducers changed the reduced soundings, it was necessary for the office draftsman to replot the soundings.
7. The survey should be extended to include the northern part of the bay as soon as opportunity offers.
8. The character and scope of the surveying were good, as was also the field drafting.
9. Reviewed by E. P. Ellis, February, 1921.
10. Two copies of this report to be sent to Hydrography and Topography Division.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. **4148**

State . **S.W. Alaska**

General locality **West Coast of Kodiak Isl.**

Locality . **Halibut Bay**

Chief of party . **F.H.Hardy**

Surveyed by **R.W.Healy and R.C.Owerton**

Date of survey **1920**

Scale . . . **1:20,000**

Soundings in . . **Feet**

Plane of reference **Mean lower low water-reducers obtained from Tide Tables by interpolating between Alitak and Uyak**
Protracted by **L.M.Mower** . Soundings in pencil by **L.M.Mower**

Shore Line Soundings

Inked by . . **L.M.Mower** . Verified by **J.D.Torrey**

Records accompanying sheet (check those forwarded):

Des. report, 1 Tide books, _____ Marigrams, _____ Boat sheets,

2 Sounding books, _____ Wire-drag books, _____ Photographs _____

Data from other sources affecting sheet **Plane table sheet of Halibut Cove(1920); Triangulation in vicinity for positions of signals.**

Remarks: