4250

Diag. Cht. No. 8102-2 & 8201-3

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: Alaska

11—5813

DESCRIPTIVE REPORT.

Hyd. Sheet No. 4250

LOCALITY:

Eastward Around
Vicinity of
Carlson Point

1922

CHIEF OF PARTY:

A. M. Robinovski

4250

DEPARTMENT OF COMMERCE
U.S.COAST AND GEODETIC SURVEY

E. Lester Jones, Director.

D E S C R I P T I V E R E P O R T

to accompany

HYDROGRAPHIC SHEET "D"
(Supplementary to Hydrographic Sheet #3942)

Approaches South & East of Onslow Islands
S. E. Alaska

Scale 1:20,000

----------ooOoo----------

Season of 1922 Steamer WENONAH

A. M. Sobieralski, H. & G. E., Chief of Party

DEPARTMENT OF COMMERCE
U.S.COAST AND GEODETIC SURVEY

E. Lester Jones, Director.

D E S C R I P T I V E R E P O R T

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HYDROGRAPHIC SHEET "D"
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Approaches South & East of Onslow Islands,
S. E. Alaska.

Scale 1:20,000

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Season of 1922 Steamer WENONAH

A. M. Sobieralski, H. & G. Engr., Chief of Party.

D E S C R I P T I V E R E P O R T

to accompany

HYDROGRAPHIC SHEET "D"
Onslow Islands, S.E.Alaska.

---------oOOOo---------

The work on this sheet is supplementary to work done in 1916 on Hydrographic Sheet #3942. The limits of the two sheets are identical and they can be combined into one. The sheet joins Hyd. Sheet "A" on the south and Hyd. Sheet "C" on the east.

The topography is taken from Topographic Sheet No.3656. Signals were relocated by plane table as shown on Topographic Sheets "A" (Union Bay) and "D" (Brownson Island). In general, the new location of signals conforms with the original topography, but the position of hydrographic station FISH was moved to the eastward about 100 meters. The new position is shown on topographic sheet. A discrepancy in the topography in the bight on the south shore of Onslow Island, just east of hydrographic station WHITE, is noted on the hydrographic sheet. The projecting point shown on the topographic sheet consists of a small ledge, covered at H.W.

Owing to the lateness of the season and bad weather, only the southern and eastern shores of the islands were developed. Two parties worked on this sheet, using steam Launch "117" and the Wire Drag Tender #2. The soundings are all taken with wire. A few soundings off the southern shore were taken with the ship. As this area was covered by wire drag in 1916, these ship soundings are not a thorough development, only for furnishing additional soundings for the chart.

GENERAL DESCRIPTION:

The Onslow group of islands consists of five wooded islands and numerous smaller ones the largest of which is Onslow Island, 3½ miles long. These islands are generally low and flat.

Onslow Point is a small cluster of wooded islets and rocks extending about a mile southeastward from the southern extremity of Eagle Island (one of the Onslow group) and terminating in a round bare rock about 20 feet high. The point can safely be rounded at a distance of 3/8 mile. Tide rips occur in the vicinity of the point.

The south shore of Onslow Island is rugged and indented. Islets, rocks and reefs extend almost a mile off shore; while there is deep water among these islets, this shore should be given a good berth.

A bay about ½ mile deep indents the southeast shore of Eagle Island. The eastern part of this bay is very foul. Reefs extend ⅛ mile to the southward from the eastern entrance point of this bay, terminating in a rock which bares at low water.

The Muffin Islands are a group of four small wooded islets lying 3/8 mile east of Eagle Island. The channel between Eagle and Muffin Islands is clear. Reefs 5/8 of a mile to the northward and northwestward of the Muffin Islands.

The reef on which hydrographic station SOAP is located covers only at H.W. and is composed of white sand and rock. Triangulation Station MUFFIN is located on a rocky ledge which covers at H.W.

The southeast and eastern shores of Stones Islands are foul; rocks extending more than ½ mile from shore. The eastern point of Stones Islands should be given a berth of 5/8 of a mile, even by launches, as the bottom is very irregular.

The best approach to an anchorage among the Onslow Islands is to pass to the southward of Onslow Point, then to the eastward of Muffin Islands, giving them a berth of about ½ mile. When the middle passage between Eagle Island and Stones Islands bears West (true), steer for it, favoring the northern shore until clear of the reefs northwestward of Muffin Islands. The anchorage just north of Eagle Islands is probably as good as can be found in this vicinity.

All of the islands in this group have been leased as farms for raising fur bearing animals.

Respectfully submitted,

(Sgd) W. T. Combs.

W. T. COMBS, Jr. H.& G. E.,
Hydrographer.

D

STATISTICS SHEET No. _____

Date, 1922		Letter	Volume	Positions	Soundings	Miles Statute	Vessels
June	16	a	1	17	53	4.1	Lch. Delta
Oct.	14	a	1	54	135	13.2	" 117
	15	b	1	34	100	8.0	" "
	16	c	1	66	182	14.0	" "
	17	d	1	47	84	12.5	" "
	14	a	1	49	90	8.5	Gas Lch. WDT #2
	15	b	1	26	64	5.5	" " " "
	17	c	1	58	102	8.0	" " " "
	14	A	1	34	34	15.0	Str. Wenonah
	15	B	1	20	20	6.0	" "
Totals				405	864	94.8	

q/e.

COPY TO FIELD RECORDS

Feb. 6, 1923.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
4 volumes of sounding records for

HYDROGRAPHIC SHEET **4230**

Locality: **Bruant Sound - S. E. Alaska**

Chief of Party: **A. H. Sobieralski in 1922**
Plane of reference is **mean lower low water, reading**
5.1 ft. on tide staff at **Kanafee (automatic gauge)**
5.5 " " " " " **Union Bay.**

For reduction of soundings, 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 each 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.

Harmann

Acting Chief, Division of Tides and Currents.

ADDRESS THE DIRECTOR
U.S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-DRM

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

March 24, 1923.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4250

Surveyed in 1922.

Instructions dated February 18, 1922.

Chief of Party, A. M. Sobieralski.

Surveyed by A. M. Sobieralski, W. T. Combs and W. G. Fielder.

Protracted and soundings plotted by W. C. Aegerter.

Verified and inked by H. E. MacEwen.

1. The records conform to the requirements except that in the portion of the work done by Messrs. Combs and Fielder, the boats' courses are omitted throughout and the bottom characteristics omitted for the greater part.

2. The plan and character of development fulfill the requirements of the General Instructions.

3. The plan and extent of development satisfy the specific instructions.

4. The sounding line crossings are adequate considering the broken character of the bottom.

5. The information is sufficient for drawing the usual depth curves.

6. The field plotting was completed to the extent prescribed in General Instructions.

7. The junctions with Hydrographic Sheet 3942 are generally satisfactory except north of Stones Islands, where the discrepancies are considerable. The three lines in this locality on Hydrographic Sheet No. 4250 were done under

adverse weather conditions.

8. No further lead line surveying is required within the area of the sheet, except that the locality mentioned in the preceding paragraph should be included in the extension of the work eastward. As the bottom is very broken it is probable that other dangers exist beside those shown and the drag should be carried further inshore when opportunity affords.

9. The character and scope of the surveying and field drafting are good.

10. Reviewed by E. P. Ellis, March, 1923.

Form 537
11—5812

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. 4211 (Supplement to 3942)

State . . ALASKA . . . . . .

General locality . Ernest Sound . . . . . .

Locality . Vicinity of Onslow Point . . . . . .

Chief of party . A. M. Sobieralski . . . . . .

Surveyed by . . W. T. Combs, . W. G. Fielder . & A. M. Sobieralski

Date of survey . June 16, . Oct. 14 - 17, 1922. . . . . .

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

Soundings in . . Fathoms . . . . . .

Plane of reference . M. L. L. W. . . . . .

Protracted by W. C. A. . . Soundings in pencil by W. C. A.

Inked by . . . . . Verified by . . . . . .

Records accompanying sheet (check those forwarded):

Des. report, ... Tide books, ... Marigrams, ...3 Boat sheets,

....4.... Sounding books, ... Wire-drag books, ... Photographs.

Data from other sources affecting sheet . . . . . .

Remarks: Tide Reducers from Union Bay Tide Gauge for work north of Stones Id. Plane of Reference 5.28 feet on gauge.

Lowest tide observed	April 14	2.0	feet on gauge	
Highest " "	June 28	23.2	" "	"

For remainder of work, tide reducers from Menefee Inlet Tide Gauge.

Plane of reference		5.1	feet on gauge	
Lowest tide observed	Aug. 24	1.5	" "	"
Highest " "	Sept. 23	26.6	" "	"