

5252

U. S. COAST & GEODETIC SURVEY  
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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. Paton, Director

State: S. W. Alaska

DESCRIPTIVE REPORT

~~Hydrographic~~  
Hydrographic

} Sheet No. 23

5252

LOCALITY

KODIAK ISLAND

UGAK BAY

1932

CHIEF OF PARTY

F. B. T. SIEMS

5252

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5252

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. 23

REGISTER NO. 5252

State ~~S.W.~~ Alaska

General locality Kodiak Island

Locality Ugak Bay

Scale 1:20,000 Date of survey July-Sept., 1932

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

Chief of Party F. B. T. Siems

Surveyed by E. C. Baum and John Bowie Jr.

Protracted by " " "

Soundings penciled by " " "

Soundings in fathoms feet

Plane of reference M. L. L. W.

Subdivision of wire dragged areas by

Inked by

Verified by

Instructions dated April 22, 1932

Remarks:

Rept.  
3 B.S.  
9 Vols

## DESCRIPTIVE REPORT

To accompany Hydrographic Sheet Field No. 23.

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

F.B.T. SIEMS, Commanding.

### INSTRUCTIONS:

The survey of sheet Field Number 23 was executed during the 1932 field season in accordance with the Director's instructions dated April 22, 1932.

### SURVEY METHODS:

The usual three point fixes were observed on topographic signals and triangulations stations.

All soundings were taken by hand lines or wire from the ship's launches.

### DISCREPANCIES

The following discrepancies were noted:

	<u>REMARKS</u>
1; Lat. 57 - 28.2 Pos. 15 N. Long. 152- 57.3	This sounding was probably 11-1 recorded in error as 7-1 as this spot was revisited and no soundings under 11 fathoms were obtained.

### DANGERS

Lat. 57 - 28.2  
Long. 152- 57.05

### REMARKS

A rock in the center of the water way covered at half tide.

This is the only off-lying danger of any importance.

### CHANNELS:

1. A channel with depths up to 10 fathoms leading to Left Arm (field name) extends between the above mentioned rock and the adjacent south shore. The channel is narrow and would be difficult to navigate when the rock is covered. This rock should be marked by a beacon if future developments cause vessels to enter this area.
2. A narrow curved channel, Lat. 57 - 30.0, Long. 152 - 55.6, between Ugak Bay proper and Hidden Basin (new name). The least depth obtained was 7 feet. The channel lies near the west shore which is rocky. A strong current runs through this channel. A sand bar extends southeastward about 400 meters from the east entrance point. The channel is between the west shore and the sandbar. It was considered dangerous to take the tender Helianthus through this passage and it is not advisable to enter with boats over 30 feet in length.

ANCHORAGES:

A good anchorage is available in the vicinity of Lat. 57 - 29, Long. 152 - 45 for any size vessel. The bottom is sticky within the 10 fathom curve.

COMPARISON WITH PREVIOUS SURVEYS

Ugak Bay had not been previously surveyed.

GEOGRAPHIC NAMES:

See descriptive report accompany the topographic sheet of Ugak Bay.

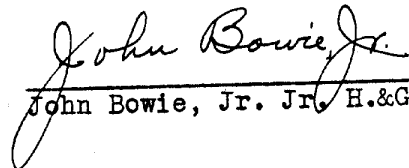
ADDITIONAL INFORMATION:

In developing shoal located at Lat. 57 - 28.6, Long. 152 - 48.9, drift soundings were taken for over an hour with the least depth found being 17 fathoms. The bottom seemed hard and flat at this location.

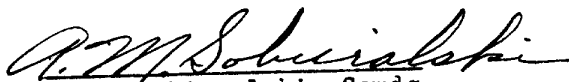
TIDES

For the reduction of soundings, a tide gauge was maintained in the vicinity of signal "TIP", Lat. 57 - 28.8, Long. 152 - 43.7.

Respectfully submitted,

  
John Bowie, Jr. Jr. H.&G.E.

Approved and forwarded,

  
A. M. Sobieralski, Comdg.  
Str. SURVEYOR.

rae

April 29, 1933.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in  
9 volumes of sounding records for

HYDROGRAPHIC SHEET 5252

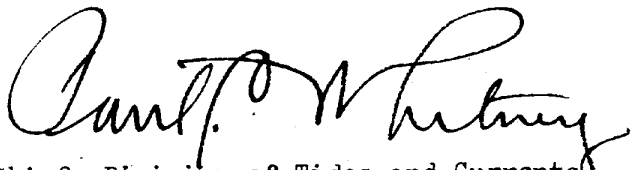
Locality Ugak Bay, South Coast of Kodiak Island, Alaska

Chief of Party: F. B. T. Siems in 1932  
Plane of reference is mean lower low water, reading  
1.4 ft. on tide staff at Saltery Cove  
15.5 ft. below B. M. 1

Height of mean higher high water above plane of reference is 8.4 feet.

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.

  
Chief, Division of Tides and Currents

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 5252.

Surveyed in 1932

Instructions dated April 17, 1931, April 22, 1932. (Str. Surveyor).

Chief of Party - F. B. T. Siems.

Surveyed by - E. C. Baum, J. Bowie.

Soundings protracted by - E. C. Baum, J. Bowie.

Soundings plotted by - E. C. Baum, J. Bowie.

Verified and inked by - G. Risegari.

1. The records conform to the requirements of the Hydrographic Manual.
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. There are very few cross lines on the sheet, but the sounding lines are spaced sufficiently close and parallel to one another and show good agreement in general.
5. The usual depth curves can be completely drawn.
6. The field party failed to plot kelp which was recorded in the sounding records.

Spacing of soundings between positions in numerous places appears to have been done by eye and it was necessary to respace the soundings in a number of cases.

In numerous cases the field party failed to comply with the General Instructions regarding fractions, plotting  $6 \frac{1}{4}$ ,  $7 \frac{2}{6}$ ,  $7 \frac{4}{6}$ , etc.

Positions 33f to 47f (blue) and the involved soundings were replotted. The field party jumped a position and plotted the soundings accordingly.

In one instance several soundings between positions 74c and 76c (red) were plotted in reverse order.

Attention is called to the incorrect notation entries in the sounding volumes of bottom characteristics.

There are several cases where Bl is intended for bk, F for fne, Gr for G.

At Pos. 29b Vol. 8, is recorded "brk Sh", which was plotted as "bk S" on the sheet.

The field party's ink pad stamp covering individual duties of members of the party in connection with the sheet was omitted.

7. There are no junctions to this sheet at this time.
8. No further surveying is believed necessary as all important areas within

H. 5252.

the limits of the sheet appear to be satisfactorily developed. There is, however, a 6 5/6 fathom sounding which appears questionable (see Insert "B") and it is recommended that the area be reinvestigated at anytime a party is working near this locality using some form of drag to make sure that a pinnacle rock does not exist here. Although the field party is inclined to discredit the sounding after having run several lines purposely to verify the depth, it was deemed inadvisable by the Chief of Field Records Section to reject the shoal sounding due to lack of conclusive evidence of its inexistence. *Records do not show fairly drifted over spot and felt for pinnacle slope.*

Attention is called to the 17 fathom sounding lat. 57° 28'.5 long. 152° 49'. This sounding was found to be the shoalest of an intensive investigation of the area. See sounding volume 6, page 65.

9. There are no old surveys in this area for purposes of comparison. The few soundings shown on Chart \*8502 have no value whatever and their origin must be very remote and coming from sources outside this bureau.

Inspection note.

The area has been well surveyed and no additional work is required with the exception of one doubtful sounding which might be reexamined. The sounding referred to is a 6 5/6 fathom sounding, pos. 15n, in Lat. 57°-28'.15, Long. 152°-57'.3, shown on Insert B. The field party believes this sounding to be 4 fathoms less than the actual depth due to an error of the recorder.

*(But see 6 1/2 fms. 120 W. N. of 6 1/2. — J.W.M.)*

Although several lines were run in order to discredit it, it could be definitely disproved only by an intensive examination with the hand lead or the use of a small drag.

Inspected by - P. L. Johnston. August 28, 1933.

Examined and approved:

*L. O. Gilbert*  
Chief, Field Records Section.

*F. S. Boden*  
Chief, Field Work Section.

*E. W. Papenback*  
Chief, Chart Division.

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

Report on N. 5252 (cont.)

Reviewed by S. Piszari July 3, 1933.

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