

5178a

U. S. COAST & GEODETIC SURVEY
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Ed. June, 1928

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

State: S.W. ALASKA

DESCRIPTIVE REPORT

Topographic } ** 5178a
Hydrographic } Sheet No. 27

LOCALITY

KODIAK ISLAND

SITKALIDAK ISLAND

CAPE BARNABAS TO A WEDGE.

1932

CHIEF OF PARTY

F. B. T. SIEMS, H&GE.

** U. S. GOVERNMENT PRINTING OFFICE: 1921
 Recommend ~~same~~ register number for
 this sheet as for No. 27 - 1931.
 be made an "A" sheet to

5178a

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. 27

REGISTER NO. 51782

3 State ~~AK~~ Alaska

2 General locality ~~AK~~ Sitkalidak I., Kodiak I.

1 Locality ~~AK~~ Vicinity of Cape Barnabas, ~~AK~~

Scale 1:20,000 Date of survey June - September, 1932

Vessel SURVEYOR and Motorsailer

Chief of Party F.B.T.Siems.

Surveyed by F.B.T.Siems, G.M.Marchand & C.J.Beyma

Protracted by R.A.Marshall

Soundings penciled by R.A.Marshall

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-nd, 19 32

Remarks: _____

*See Rep.
135
156.*

* See note on title page of this report

DESCRIPTIVE REPORT

TO ACCOMPANY HYDROGRAPHIC SHEET NO.27.

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

F.B.T.SIEMS, COM'D'G.

INSTRUCTIONS:

The survey of this sheet was executed in accordance with the Director's instructions dated April 22, 1932. ✓

SURVEY METHODS:

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

The work on this sheet was done in order to complete the survey started towards the end of the 1931 season (Sheet 27) and prevented by weather from being carried to completion. 5178 ✓

The shoreline in this area was surveyed during the 1931 season by sextant methods, and in 1932 by topographic methods. (See descriptive report for topographic Sheet "F" 1932 and Hydrographic Sheet 27 - 1931.) 5178 ✓

This sheet was surveyed by the motorsailer and the SURVEYOR. Standard survey methods were used throughout. Hand Lead soundings were taken up to 10 fathoms. For greater depths vertical wire soundings were taken by the motorsailer and fathometer soundings by the SURVEYOR. ✓

DISCREPANCIES:

If there are any discrepancies between the 1931 and the 1932 close inshore work, particularly rocks, the later year's work should be given preference. *Super-
side the former.* ✓

Several discrepancies of a fathom or less were noted but are doubtless due to the irregularity of the rocky bottom in this entire area. ✓

DANGERS:

There are no dangers outside of the six fathom curve. ✓

CHANNELS:

There are no channels within the limits of hydrography on this sheet. ✓

ANCHORAGES:

No anchorages are to be found within the limits of hydrography on this sheet. ✓

COMPARISON WITH PREVIOUS SURVEYS:

A satisfactory junction was made with the previous year's work. ✓

STATISTICS:

A table of statistics accompanies this report. ✓

TIDAL DATA:

The tidal data ^{are} attached to this report on a separate page. ✓

Respectfully submitted,

Robert A. Marshall

Robert A. Marshall, Jr. H&GE
U.S. Coast & Geodetic Survey

Approved and forwarded:

A. M. Sobierski

F. B. T. STEWART, H. & G. E.
Chief of Party, C. & G. S.

STATISTICS FOR HYDROGRAPHIC SHEET NO.27

DATE	VOL.	DAY	NO. OF SOUNDINGS	NO. OF POSITIONS	STATUTE MILES
6/28/32	1		114	60	6.0
7/1/32	1		424	111	19.0
7/28/32	1		<u>101</u>	<u>19</u>	<u>6.9</u>
		TOTALS	639	190	31.9

TIDAL DATA

A portable automatic gauge No.201 was maintained on the dock of the American Pacific Whaling Co. at Port Hobron, Alaska.

The reducers for this sheet were obtained from the records of the above named gauge.

MLLW on the staff ----- 4.6 feet

Highest tide observed -----10.6 feet on 5/21/32

Lowest tide observed ----- -2.2 feet on 5/20/32

LIST OF SIGNALS HYDROGRAPHIC SHEET NO.41.

<u>HYDROGRAPHIC NAME</u>	<u>LOCATION</u>
Barn	Barnabas, 1928
Tro	Topo. Sheet "F", 1932
Nab	Nab (See Topo. Sheet T-4882 Descriptive Report)
Muir	Topo. Sheet "F", 1932
Mar	"
Brit	"
Bump	"
Lem	"
Sill	"
Gin	"
Rad	"
Beach	"
Jon	"
El	"
Rid	"
Now	"
Par	"
N	"N", Topo. Sheet "E", 1931.
Zeta	Zeta, 1931
Table	Table, 1928

SECTION OF FIELD RECORDS
Report on Hydrographic Sheet No. 5178a
Vicinity of C. Barnabas, Sitkalidak I., Kodiak I.
Surveyed in 1932
Instructions dated April 22, 1932 (Surveyor).

Chief of Party - F. B. T. Siems.
Surveyed by - F. B. T. Siems., G. M. Marchand, C. J. Beyma.
Protracted and Soundings plotted by - R. A. Marshall.
Verified and inked by - G. Risegari.

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.
3. The plan and extent of development satisfy the Specific Instructions.

There are several sections on the sheet where it is believed the work could have been carried nearer shore. It is possible that in smooth weather boat landings could be effected in these places which are as follows: Sections between signals Lem and Tin; Gin and Rad; Jan and Sill.

4. There are very few sounding line crossings on the sheet, although where deficient the parallel sounding lines are spaced close enough to satisfactorily determine the quality and character of the work.
5. The usual depth curves can be completely drawn excepting the 5 fathom and lesser curves which only are shown in sections.
6. Junction with H. 4855 (North) is satisfactory.
Junction with H. 5183 (East) is satisfactory.
Junction with H. 5178 (South) is satisfactory.
7. No earlier surveys cover this area and with the exceptions noted in paragraph 3 of this report the survey appears sufficiently developed.
8. Reviewed by G. Risegari. May 12, 1933.

Memorandum by A. L. Shalowitz.

Attention is called to the fact that the additional development called for on H. 5178 in vicinity of lat. 57-06 long. 153-02.5 (see Review H. 5178, Memo. by A. L. S.) has not been accomplished on the present survey.

Sheet Inspected by - A. L. Shalowitz.


Chief, Field Records Section.


Chief, Field Work Section.

Examined and approved:


Chief, Chart Division.


Chief, H. & T. Division.

April 21, 1933.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
1 volume# of sounding records for

HYDROGRAPHIC SHEET 5178 a

Locality Vicinity of Cape Barnabas, South Coast of Kodiak I., Alaska

Chief of Party: F.B.T. Siems in 1932

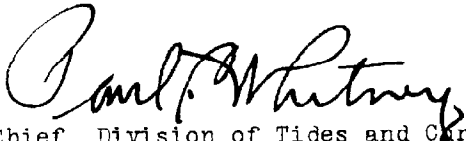
Plane of reference is mean lower low water, reading

4.6 ft. on tide staff at Port Hobron
11.6 ft. below B. M.1

Height of mean higher high water above plane of reference is 8.3 ft.

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.