

4950

Diag. Chf. No. 8502-2 & 8556-1

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey *Hydrographic*
Field No. _____ Office No. *4950*

LOCALITY

State *S.W. Alaska*
General locality *Bea Island*
Locality *to Cape Uyak.*
Kodiak Island

1929

CHIEF OF PARTY

R. R. Sukewi

LIBRARY & ARCHIVES

DATE _____

4950

4950

C. & G. SURVEY
L. & P.
JAN 20 1930
Acc. No.

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

State: ALASKA

11-5613

DESCRIPTIVE REPORT.

Hydrographic Sheet No. 4950
16

LOCALITY:

S.W. Alaska

Kodiak Island

Bear Island to Cape Uyak

1929

CHIEF OF PARTY:

R.R. Lukens, H. & G. Engr.

11
411

DESCRIPTIVE REPORT

HYDROGRAPHIC SHEET # 16

Str. SURVEYOR

R.R. Lukens, Cmdg.

Scale 1:20,000

1929.

Authority.

The hydrography executed on this sheet was done in accordance with the instructions dated March 14, 1929.

Limits.

The work consists of inshore hydrography on the western coast of Kodiak Island extending from Bear Island southwestward to Cape Uyak. The offshore limits join the hydrography on Field Sheet # 7.

Surveying Methods.

All the work was done by the motor sailer with the usual surveying methods being employed. A power driven sounding machine was used for all soundings greater than twelve fathoms, using the hand lead for shoaler depths. The sounding lines were run normal to the beach, spaced 300 meters apart. Ranges were steered throughout the entire work no courses being recorded.

Offlying Dangers.

The reef lying 600 meters north of Signal Dog is locally known as "Wolcott Reef". At low tide, four heads of the reef were discernable. One was awash, two were covered one foot, and the fourth was covered two feet. At the time of the survey, kelp was growing on this reef.

Character of Coast.

The beach extending from Bear Island to one mile westward is strewn with rocks and boulders close inshore and is quite foul. Kelp grows on most of these rocks. This beach in its entirety from Bear Island to Rocky Point is locally known as Seven Mile Beach. This is a sand beach with a scattering of boulders about three feet in diameter over the remaining beach.

Geographic Names.

Wolcott Reef: This reef is named for the Steamer Wolcott which struck this reef, causing her loss.

Tidal Data.

The tides are referred to the standard automatic tide guage located at Uyak without adjustment.

Respectfully submitted,

Harry F. Garber
Harry F. Garber,
Aid.

Approved
R. P. Luskens
Chief of Party

STATISTICS FOR FIELD SHEET # 16

Day	Volume	Statute miles of sdg. line.	Number of soundings.	Number of positions.	Date.
a	1	21.2	659	120	7/30/29.
b	1	19.9	550	103	8/1/29.
c	1&2	25.0	495	142	8/2/29.
d	2	12.0	401	73	8/6/29.
e	2	19.7	346	102	8/13/29.
f	2	-	-	4	8/27/29.
Totals		97.8	2451	544	

LIST OF SIGNALS

HYDROGRAPHIC SHEET # 8

Hydro. Name	Location	Hydro. Name	Location.
Bear	Bear Island, 1908	Use	Topo. Signal, Sheet J
East	East, 1929.	Dog	" " " "
West	West, 1929.	Cat	" " " "
Square	Square, 1929.	Woe	" " " "
Tip	Topo. Signal, Sheet N	Is	" " " "
Alt	Topo. Signal, Sheet J	Meg	" " " "
Rye	" " " "	Doc	" " " "
Toy	" " " "	Tor	" " " "
Pup	" " " "	Le	" " " "
Ax	" " " "	Ray	" " " "
Hut	" " " "	Tum	" " " "
Sev	" " " "	Ma	" " " "
En	" " " "	Lu	" " " "
Mi	" " " "	See	" " " "
El	" " " "	Tak	" " " "
Be	" " " "	It	" " " "
Ake	" " " "	Bak	" " " "
Ite	" " " "	Jo	" " " "
May	" " " "	The	" " " "
Net	" " " "	Rin	" " " "
Ten	" " " "	Ya	" " " "
Du	" " " "	Gav	Topo. Signal, Sheet K
Rip	" " " "	Me	" " " "
Fan	" " " "	Sir	" " " "
Win	" " " "	Uno	" " " "
Pur	" " " "	Peg	" " " "
Item	" " " "	{Black	{Hydro. Signals (No cuts
All	" " " "	{Stum	recorded.)
Up	" " " "		
Wad	" " " "		

Division of Hydrography and Topography:

Division of Charts:

Tide Reducers are approved in
2 volumes of sounding records for

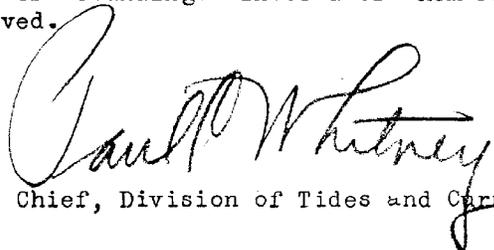
HYDROGRAPHIC SHEET 4950

Locality: West Coast of Kodiak I., Alaska

Chief of Party: R. R. Lukens, in 1929
Plane of reference is mean lower low water, reading
2.4 ft. on tide staff at Uyak
~~Observed low water~~

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.

Field Records Section

Report on H-4950 - Surveyed in 1929

Chief of Party - R.R. Suckers - Surveyed by - C.A. Egner

Projected by H.F. Barber - Soundings by H.F.G.
verified and inked by J. Fleming

- ① The records conform to requirements of G. I.
- ② The plan and character of the development fulfill the requirements of G. I.
- ③ Sounding line crossings are adequate
- ④ The usual depth curves can be completely drawn
- ⑤ Field plotting was completed to the extent prescribed in G. I.
- ⑥ None of the work had to be done over
- ⑦ Junctions with adjoining sheets are satisfactory.
- ⑧ Further surveying is not required in the area covered by this sheet.

⑨ The low water line was not drawn in the field and this was transferred from the Topo sheet - The necessary corrections were made to adjust the low water line to the hydrography.

⑩ The shore line of Bear Island was not drawn on this sheet in the field.
The shore line of Bear Island from the Topo. survey of 1908 (T. 2892) was used on this sheet in the office.

(11) There is a time discrepancy between positions 28-29-C on Wolcott Reef. However there are several shoaler soundings, than those between the positions in question, and these together with the Rocks awash, are considered sufficient to delineate the shoal or reef in that particular spot.

(12) Position - 65-b - has a fix $\begin{cases} \text{Ten} \\ \text{East} \\ \text{May} \end{cases}$ - the correct fix is thought to be $\begin{cases} \text{Ten} \\ \text{May} \\ \text{East} \end{cases}$.

13 - Position 42-b plots according to the field plotting log using the angle $35^{\circ}44'$ and not $25^{\circ}44'$.

Respectfully submitted

J. Fleming

Mar. 5, 1930

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO No. 11-WSW

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

August 25, 1930.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4950

Coast of Kodiak Island, Alaska.

Surveyed in 1929

Instructions dated March 14, 1929 (Surveyor)

Hand lead and Machine soundings

Chief of Party, R. R. Lukens.

Surveyed by C. A. Egner.

Protracted and plotted by H. F. Garber.

Verified and inked by J. Fleming.

1. The records conform to the requirements.
2. The plan, character and extent of the survey satisfy the general and specific instructions.
3. Practically no cross lines were run.
 - a. Agreement of adjacent lines is good.
4. The information is sufficient for completely drawing the usual depth curves.
5. The junction on the east with H. 4949 is satisfactory.
 - a. The junction with H. 4948, on the north, is satisfactory as far as it goes. Apparently there is no junction with contemporary work west of Long. 154° 15'.
 - b. The junction on the west with H. 4947 appears satisfactory, but this sheet has not yet been verified and this junction will be reported on in the review of H. 4947.
6. The usual amount of field plotting was well done by the field party.

7. Character and scope of surveying --- very good.

a. The ground is uniformly covered and shoal development is sufficient.

It is noted that the shore line of Bear Island was not run on either T. 4476 or T. 4479. This was put on this sheet from T. 2892.

8. No additional work within the limits of this sheet is necessary.

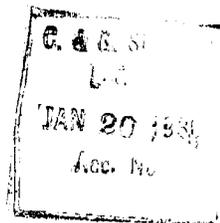
9. Reviewed by R. L. Johnston, March 13, 1930.

Approved:

A. M. Sobieralski
Chief, Section of Field Records (CHARTS)

F. S. Jordan
Chief, Section of Field Work (H. & T.)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



REG. NO. 4950

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. 16

REGISTER NO. 4950

State Alaska

General locality Kodiak Island - Shelikof Strait

Locality Bear Island to Cape Uyak

Scale 1:20,000 Date of survey July-August³⁰₂₃, 1929

Vessel Str. SURVEYOR

Chief of Party R. R. Lukens

Surveyed by C. A. Egnar

Protracted by H. F. Garber

Soundings penciled by H. F. Garber

Soundings in fathoms ~~feet~~

Plane of reference M.L.L.W. at Uyak

Subdivision of wire dragged areas by

Inked by J. Fleming

Verified by J. F. - March - 4th - 1930

Instructions dated March 14, 1929

Remarks:

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. 4950

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

Number of positions on sheet . . 544
Number of positions checked . . 185
Number of positions revised . . . 9
Number of soundings recorded . 2451
Number of soundings revised . . 62
Number of signals erroneously
plotted or transferred None

Date: - March - 5 - 1930 -
Cartographer: - J. Fleming -