

5075

Diag. Chs. 8502-2 & 8556-1

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

U. S. COAST & GEODETIC SURVEY  
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MAR 7 1931

State: ~~S.W.~~ Alaska.

Acc. No. \_\_\_\_\_

DESCRIPTIVE REPORT

~~Topographic~~

Hydrographic

} Sheet No. 28

5075

LOCALITY

East Arm of Olga Bay,

Kodiak Island, ~~Alaska.~~

19 30

CHIEF OF PARTY

F. H. HARDY, H&GE.

5075

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5075

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. 28

REGISTER NO. 5075

State ~~S.W.~~ Alaska.

General locality Kodiak Island.

Locality East Arm of Olga Bay.

Scale 1:20,000 Date of survey September, 1930

Vessel Wildcat, Launch #3, Launch #4, and Motor Sailer.

Chief of Party F.H.HARDY.

Surveyed by C.D.Meaney, R.J.Sipe, L.W.Swanson.

Protracted by L.W.Swanson, R.J.Sipe.

(Soundings penciled by) See Director's Letter dated 11/12/30,  
Ref.- 25-MDS.

Soundings in fathoms - feet

Plane of reference -----

Subdivision of wire dragged areas by -----

Inked by ----- *EL McShannon*

Verified by ----- *EL McShannon*

Instructions dated April 1-st, 1930., 19    

Remarks: -----

DESCRIPTIVE REPORT  
to accompany  
HYDROGRAPHIC FIELD SHEET No. 28

EAST ARM OF OLGA BAY,  
Kodiak Island, Alaska.

Str. SURVEYOR.

F.H.HARDY, Comd'g'.

Scale 1 : 20,000

INSTRUCTIONS.

This work was completed under Instructions dated April 1-st, 1930.

Soundings were not plotted in accordance with The Director's Letter dated November 12-th, 1930, and Referenced - 25 - MDS.

SURVEY METHODS.

Hand lead was used in depths up to 10 fathoms, and vertical casts were made with power driven sounding machines with heavy leads at greater depths. The heavy leads used with the sounding machines were found to give better results than the hand lead. The power driven sounding machines were located in the after cockpits on Launches No.3 and No.4, with the wire leading over the starboard side. On the Wildcat and Motor Sailer, the machines are forward with the wire leading over the port side.

The majority of the sounding lines were run on ranges.

ANCHORAGES.

Gertie Story Bay is on the south <sup>side</sup> end of Olga Bay in Latitude 57° 06'.9, Longitude 154° 09'.2. The Alaska Packers have piling driven in this bay to which they moor boats over the winter. It is well protected, but only small boats can enter.

There are two small coves on the north side of the east arm of Olga Bay, near the east end where small boats can be anchored.

TIDES.

Auto - portable tide gauge #154 at the cannery dock of the Alaska Packers Association was in operation during the field season.

Respectfully Submitted,

*R. J. Sipe*  
\_\_\_\_\_  
R. J. Sipe,  
Jr. H. & G. E. C&GS.

In plotting position the following colors were used  
Midnight — Blue  
Motor Pailor — Violet.  
Hauls 3 — Green.  
Hauls 4 — Red.

Approved forwarded  
Forstandby  
Chief of Party.

LIST OF SIGNALS ON FIELD SHEET #28.

<u>NAME.</u>	<u>LOCATION.</u>	<u>NAME</u>	<u>LOCATION.</u>
FAG.....	FAG 1930	Gil .....	Topo Sheet "G".
HOLM.....	HOLM 1930	Eel .....	do.
SPIT.....	SPIT 1930	Saw .....	do.
ROK .....	ROK 1930	War .....	do.
RIV .....	RIV 1930	Mu .....	do.
MUT .....	MUT 1930	Rat .....	do.
HOR .....	HOR 1930	Tar .....	do.
GONY .....	GONY 1930	Tow .....	do.
BAR .....	BAR 1930	Get .....	do.
BANK .....	BANK 1930	Pa .....	do.
PAK .....	PAK 1930	Dad .....	do.
UPPER .....	UPPER 1930	One.....	do.
ELI .....	ELI 1930	Peg .....	do.
SWAN .....	SWAN 1930	Egg .....	do.
BRUSH .....	BRUSH 1930		
STACK .....	STACK 1930	Flag .....	Topo Sheet "F".
GOAT .....	GOAT 1930	Ner .....	do.
GERT .....	GERT 1930	In .....	do.
		Camp .....	do.
Lay .....	Topo Sheet "G".	Son .....	do.
This .....	do.	Cris .....	do.
Den .....	do.	Due .....	do.
We .....	do.	Was .....	do.
If .....	do.	Land .....	do.
Wal .....	do.	Ire .....	do.
Pol .....	do.	Tel .....	do.
On .....	do.	Of .....	do.
Ken .....	do.	The .....	do.
Bro .....	do.	Ker .....	do.
Bot .....	do.	Lik .....	do.
Fil .....	do.	Corn .....	do.
Up .....	do.	Zel .....	do.
Hil .....	do.	Gus .....	do.
Did .....	do.	And .....	do.
Not .....	do.	Gum .....	do.
Stop .....	do.	Chew .....	do.
Lady .....	do.	Ne .....	do.
Ray .....	do.	Gin .....	do.
A .....	do.	Vir .....	do.
B .....	do.	Girl .....	do.
C .....	do.	All .....	do.
D .....	do.	Mer .....	do.
E .....	do.	Ton .....	do.
G .....	do.	Ket .....	do.
H .....	do.	Ten .....	do.
J .....	do.	Sam .....	do.
K .....	do.	Old .....	do.
L .....	do.	Be .....	do.
M .....	do.	Ran .....	do.
P .....	do.	Fin .....	do.
Q .....	do.	Let .....	do.
No .....	Topo Sheet F	No .....	do.
Car .....	do.	Show .....	do.
Her .....	do.	Up .....	do.
She .....	do.		

STATISTICS FOR FIELD SHEET No.28.

<u>Vol.</u>	<u>Day.</u>	<u>No. of Positions.</u>	<u>No.of Soundings.</u>	<u>St.miles of Sdgs.</u>	<u>Boat.</u>
1.	a	55	103	8.6	Wildcat.
1.	b	62	119	8.0	" .
2.	a	103	216	11.8	Launch #3.
2.	b	107	200	15.3	"
3.	a	152	285	19.8	Launch # 4.
3.	b	58	153	4.0	"
3.	c	103	187	13.8	"
3.	d	9	16	0.5	"
3.	f	<del>51</del>	97	----	"
4.	f	28	63	5.8	"
5.	a	105	232	15.1	Motor Sailer.
5.	b	54	117	6.9	" "
5.	c	31	55	2.0,	" "
<u>TOTAL:-</u>		<u>918</u>	<u>1843</u>	<u>111.6</u>	

April 15, 1931

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in  
5 volumes of sounding records for

HYDROGRAPHIC SHEET 5075

Locality East Arm of Olga Bay, Kodiak Island, S.W. Alaska

Chief of Party: F. H. Hardy, in 1930

Plane of reference is mean lower low water, reading  
7.8 ft. on tide staff at ~~Cannery Dock~~ Cannery Dock  
13.4 ft. below B. M. 1

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.

*J. H. ...*  
 Chief, Division of Tides and Currents.

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. *5075*

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

Number of positions on sheet	<i>918</i>
Number of positions checked	<i>301</i>
Number of positions revised	<i>9</i>
Number of soundings recorded	<i>1843</i>
Number of soundings revised	<i>37</i>
Number of signals erroneously plotted or transferred	<i>None</i>

Date: *18 June, 1931*

Cartographer: *E. C. McPherson*



## Section of Field Records

Sheet No 5075

Surveyed in 1930

Chief of Party H. H. Hardy

Surveyed by C. D. Meaney, R. J. Sipe,  
and L. W. Swanson.

Protected by L. W. Swanson and R. J. Sipe.

Soundings plotted by H. W. Murroy

Verified and inked by E. M. Blosson

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 sounding lines cross adequately in most cases, however a few of them vary to a noticeable extent but in most cases these variations occur in shoal places and the rocky bottom probably warrants this discrepancy.
4. The usual depth curves can be completely drawn within the limits of the sheet.
5. The officer draftsman did not have to do over any part of drafting done by field party ~~at~~ except as noted on the statistic sheet.

6. The junction with adjacent sheets were found to be satisfactory. However the junction with # 5074 falls very close to a shoal and a small variation exists in soundings. This is due entirely to the rocky bottom causing this shoal!

7. Discrepancies:

In H 5075 stations "B" and "C" are reversed from those on T 4584.

Respectfully submitted,  
H. M. Gibson

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 5075.  
East Arm of Olga Bay, Kodiak I., Alaska.  
Surveyed in 1930.  
Hand lead and machine soundings.  
Instructions dated April 1, 1930. (Surveyor).

Chief of party - F. H. Hardy.  
Surveyed by - C. D. Meaney, R. J. Sipe, L. W. Swanson.  
Protracted by - R. J. Sipe, L. W. Swanson  
Soundings plotted by - H. W. Murray.  
Verified and inked - G. C. McGlasson.

1. The records conform to the requirements.
2. The plan, character and extent of the survey satisfy the general and specific instructions.
3. The sounding line crossings are generally satisfactory. A 24 fathom sounding in Lat.  $57^{\circ}08.15'$ , Long.  $154^{\circ}03.4'$  was omitted, as recommended by the officer in charge, as a later investigation showed that it should have been 44 fathoms.
4. The information is sufficient for completely drawing the usual depth curves.
5. The junction with the Olga Bay work, H. 5073, is satisfactory.

The junction on the south with H. 5074 is satisfactory.

There is no previous hydrographic survey of this area.

6. The work on this sheet was well protracted in the field. The soundings were plotted in the office.
7. Character and scope of surveying.-

The ground is well covered and the shoal development is generally sufficient for the importance of the area, although the work on some of the shoalings is not quite close enough to give assurance that shoaler depths do not exist.

The survey as a whole is considered excellent.

8. No additional lead line work is recommended.
9. Reviewed by R. L. Johnston - July 6, 1931.

Inspected: E. P. Ellis.

Approved: A. M. Sobieralski. (*Signed*)