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FORM 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. _____ Field No. A-41
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES JUN 18 1942 Acc. No. _____	
State <u>S. W. Alaska</u>	
LOCALITY <u>Belkofski Bay</u> <u>Captain Harbor & Kitchen Anchorage</u>	
<u>1934</u> CHIEF OF PARTY <u>G. C. Mattison</u>	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

T68883

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. A-41

REGISTER NO.

State Southwest S. W. Alaska

General locality Belkofski Bay

Locality Captain Harbor and Kitchen Anchorage

Scale 1:10,000 Date of survey Sept. 9 - 13, 1941

Vessel SURVEYOR

Chief of party G. C. Mattison

Surveyed by C. LeFever, G. A. Nelson, F. J. Bryant

Inked by see Descriptive Report

Heights in feet above MEW to ground ~~to tops of trees~~

Contour, Approximate contour, Form line interval none feet

Instructions dated April 6, 1939

Remarks: part of inking done in Seattle Processing Office;

Descriptive Report written in Processing Office.

DESCRIPTIVE REPORT

to accompany

Topographic Sheet (Field) No. A-41

Alaska Peninsula, Belkofski Bay

Captain Harbor and Kitchen Anchorage

U S C & G S S SURVEYOR

G. C. Mattison, Comdg.

Season of 1941

Scale 1:10,000

Project HT-219

AUTHORITY

The authority for this survey was contained in the Director's Supplemental Instructions, Project HT-219, dated April 6, 1939.

LIMITS

The limits of this sheet extend over the shore line from triangulation station KIT 1925-41 around Kitchen Anchorage and Captain Harbor to triangulation station APPLE 1941, between Lat. $55^{\circ} 07.35'$ to Lat. $55^{\circ} 10.55'$ and between Long. $162^{\circ} 04.45'$ to Long. $162^{\circ} 08.37'$.

CONTROL

Triangulation stations CON 1925, KIT 1925 and TIN 1925 were recovered and from these triangulation stations APPLE 1941 and RAY 1941 were located. Plane table triangulation was carried into Captain Harbor for control inside Captain Harbor.

METHOD

Usual plane table methods were used except that three parties at one time worked in the area covered by this sheet. Mr. F. J. Bryant did the topography from triangulation station KIT to about topographic station BAN, and on the last day in order to complete the work, three topographic parties were sent out; Mr. Bryant completing the shoreline to Ban, Mr. G. A. Nelson surveying the head of Captain Harbor, and Mr. C. LeFever surveying the northwest shore of Captain Harbor. Mr. Nelson's and Mr. LeFever's work on supplementary sheets was fitted onto and transferred to Mr. Bryant's work on the aluminum sheet. Most of the signals, including particularly those at the head of Captain Harbor, were located by plane table triangulation on the aluminum sheet as indicated.

GENERAL DESCRIPTION OF TOPOGRAPHIC FEATURES

In general the shore line is rock outcrop, with rather smooth grass and brush covered hills in back. A rather grassy flat extends inshore some distance between topo signals LOG and JAX in Kitchen Anchorage. Signal BAN is on a low rounding grassy knoll with a grassy flat between signals WIN and JOT in Captain Harbor.

INKING

The high and low water lines and rock features below high water were inked in by an officer engaged on the survey. Grass features and bluff line and features above high water were left in pencil and inked in by the Processing Office. This applies also to the inking of the names of the topographic signals and the legends pertaining to low water features.

COMPARISON WITH PREVIOUS SURVEYS

This survey compares well with topographic survey of 1925, scale 1:20,000, Register No. 4144, except for a stream entering the inner harbor at signal ARK on the old survey (signal FOO on the new survey). The 1941 survey does not show this stream but due to the filled in area with sand and sediment, it is believed that this stream should be on the sheet.

*Stream was
carried forward
from T-4144*

At the very head of the bay is an old abandoned rock fish trap built by the Indians. The indication of a stream at the east side of bight at the head is probably the outlet of the stream waters around the end of the trap. It is believed that the stream as shown on the present survey is correct.

*Stream as shown on T-4144
confirmed by photo. 14494 (1943).
Stream carried forward to present
survey*

At the time of writing this report all the officers that were engaged on this survey have been ordered away from Seattle, and it was impracticable to call upon them to write the report.

Respectfully submitted,

V. M. Gibbens
V. M. Gibbens
Lieut., C&GS.

Approved and forwarded:

F. B. T. Siems
F. B. T. Siems
Officer in Charge
Seattle Processing Office

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POST-OFFICE ADDRESS: 1500 Westlake Ave., North; Seattle Wash.

TELEGRAPH ADDRESS:

T6883

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY
Processing Office for North-
west District and Alaska.

June 3, 1942

To: The Commanding Officer
Coast and Geodetic Survey
Ship EXPLORER

From: Officer in Charge, Processing Office
for Northwest District and Alaska

Subject: Survey of Captain Harbor, 1941

Referring to the topographic survey of Captain Harbor, Belkofski Bay, Alaska, it is understood that the topography of the head of this harbor and along the north shore was done on two supplementary sheets and then transferred to the main sheet which we have at the Processing Office. If the supplementary sheets are still aboard the SURVEYOR it is requested that they be forwarded to us.

The main sheet does not show a stream entering Captain Harbor through the north shore 1200 meters from the head as indicated on the former survey (1925). It is thought that the feature may have been omitted in making the transfer from one of the supplementary sheets.

P. B. T. Siems

The supplemental sheet received was without any information regarding stream.

*#14494 (1943)
Existence of stream confirmed by air photographs in Washington Office*

E.E. Smith
Seattle Processing Office.

T6883

STATISTICS:

11.9 statute miles of shoreline.

LIST OF SIGNALS

Triangulation Stations:

KIT 1925-41 TIN 1925-41 RAY 1941 APPLE 1941

Topographic Signals:

Pen	Log	Gas	Rex	Ben	Ban	Ex	Tan
Ole	Keg	Fur	Cow	Car	Win	Hot	Cap
Nel	Jax	Eva	Bel	Mac	Jot	Gra	No
Man	Ida	Buz	Tor	Dub	Head	Foo	Sun
Oil	Hum	Ax	Abe	Wag	Ina	El	Nig

Remarks

Decisions

1		550620 U.S.G.B.
2		" "
3		550620
4		
5	For title:	U.S.G.B.
6		
7	Suggested to U.S.G.B. for point between	550620
8	Kitchen Anch. and Captain Harbor: the	
9	latter was originally named Bailey	
	Harbor: do not wait pending U.S.G.B.	
	action - or to INXLA.	
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GEOGRAPHIC NAMES

Survey No. **T6883**

GEOGRAPHIC NAMES											
Survey No. T6883											
Name on Survey											
	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K		
<u>Belkofski Bay</u>										1	
<u>Captain Harbor</u>										2	
<u>Kitchen Anchorage</u>										3	
										4	
<u>Alaska Peninsula</u>										5	
										6	
<u>Bailey Pt.</u>										7	
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Names underlined in red approved
by L. Heck on 7/31/42

M 234

Names underlined in red approved
by L. Heck on 7/31/42

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOGRAPHIC~~

~~Needk~~

No. T **T6883**

received **June 18, 1942**
registered **July 28, 1942**
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	R. W. Knox
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VRW

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

Register No. T-6883

Field No. A-41

Southwest Alaska, Belkofski Bay, Captain Harbor and Kitchen Anchorage

Surveyed September 1941

Scale 1:10,000

Instructions dated April 6, 1939

Project HT-219

Plane Table Survey

Aluminum Mounted

Chief of Party - G. C. Mathison

Surveyed by - F. J. Bryant, C. Le Fever, and G. A. Nelson

Inked by - F. J. Bryant and Processing Office

Reviewed by - R. H. Carstens, April 11, 1947

Inspected - H. W. Murray

1. Adjoining Surveys

There are no adjoining contemporary surveys registered at the present time.

On the south, the shoreline on T-4144 (1925) is in good agreement with the present shoreline. On the west, the mouth of the creek has changed considerably and is discussed in the following paragraph.

2. Comparison with Prior Surveys

T-3228 (1911) 1:40,000

T-4144 (1925) 1:20,000

Both prior surveys cover the entire area of the present survey. T-3228 contains only form lines and bluff symbols. T-4144 is a complete survey of the area.

Agreement with the present survey is fair. Changes have occurred at the mouth of the creek in Lat. 55°-09.3', Long. 162°-07.8', where the mouth has shifted about 425 meters eastward from its prior position. In Captain Harbor, there are differences in the shoreline of as much as 40 meters in some localities.

The dock (uncharted) shown on T-4144 in Lat. 55°-07.6', Long. 162°-07', is not shown on the present survey or on the contemporary hydrographic survey H-6716 (1941). The dock does not appear on air photograph 14515 (1943) of this area and is apparently no longer in existence.

The streams surveyed on T-4144 in Lat. 55°-10.3', Long. 162°-05.7', and Lat. 55°-10.42', Long. 162°-04.47' were not shown on the present survey and have been carried forward. The existence of the streams is confirmed by air photograph No. 14494 (1943).

With the additions discussed above, the present survey is adequate to supersede these prior surveys within the common area.

3. Comparison with Chart 8703 (latest print date November 2, 1946)

A. Topography

The present survey has been applied to the chart before review. No revisions are necessary.

B. Magnetic Variation

The observed value of the magnetic variation is about 2° greater than the charted value. The corrections of the declinoire readings, if any, are not known.

4. Condition of Survey

The survey was inked neatly and conforms to the requirements of the Topographic Manual.

The Descriptive Report was written by the Processing Office rather than by the topographer.

It is noted that no recoverable topographic stations were established. Such stations in the inner part of Captain Harbor would be useful for any future survey of the area.

5. Compliance with Project Instructions

The present survey adequately complies with the Instructions.

6. Additional Work Required

This is an excellent survey and no additional work is required.

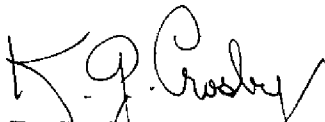
Examined and Approved:



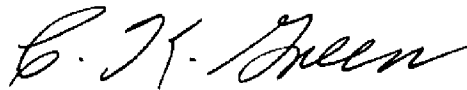
I. E. Rittenburg
Chief, Nautical Chart Branch



C. M. Durgin
Chief, Division of Charts



K. G. Crosby
Chief, Section of Hydrography



C. K. Green
Chief, Division of Coastal Surveys