

8769

Diag. Cht. No. 8102-3.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. LJ-10-2-63 Office No. H-8769

LOCALITY

State Alaska

General locality Clarence Strait, S.E. Al-
aska

Locality Kasaan Bay

1963

CHIEF OF PARTY

A. C. Holmes

LIBRARY & ARCHIVES

DATE October 29, 1966

USCOMM-DC 5087

6928

HYDROGRAPHIC TITLE SHEET

H-8769

INSTRUCTIONS - 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.

LJ 10-2-63

State Alaska

General locality STRAIT, S. E. ALASKA
Clarence St., S. E. Alaska

Locality Kasaan Bay

Scale 1:10,000 Date of survey June 14 - September 25
1963

Instructions dated February 28, 1963

Vessel Ship LESTER JONES

Chief of party A. C. Holmes, LCDR, USCG&GS

Surveyed by A. C. Holmes, W. V. Hull, G. W. Hohmann.

Soundings taken by echo sounder, ~~hand held~~ DE 723 Fathometer

Fathograms scaled by Ship Personnel

Fathograms checked by Ship Personnel

Protracted by V. F. Flor

Soundings penciled by V. F. Flor

Soundings in fathoms ~~feet~~ at ~~MLLW~~ MLLW

REMARKS: _____

DESCRIPTIVE REPORT

To Accompany Hydrographic Survey

H-8769 (LJ 10-2-63)

Year: 1963
Scale: 1:10,000

Vessel: Ship LESTER JONES
Chief of Party: A. C. Holmes

✓ A. PROJECT

Survey H-8769 of project OPR-405 was accomplished in accordance with instructions dated February 28, 1963.

✓ B. AREA SURVEYED

Covered by the survey is the area in Kasaan Bay, S. E. Alaska, between Longitude 132° 18' W. and Longitude 132° 28' W. Junctions are made with contemporary surveys H-8533 and LJ 10-3-63^{H-8770} and with ~~prior~~ survey H-8532 (1:10,000, 1960). Field work was completed between June 14, 1963 and September 25, 1963.

See "Review Report" under "Junctions".

✓ C. SOUNDING VESSEL

The Ship LESTER JONES And Launch 88 were used to obtain all soundings. Violet-colored day letters were used for both vessels, the ship work being designated by upper-case day letters and the launch work by lower-case day letters.

✓ D. SOUNDING EQUIPMENT

One type of echo sounder, the Raytheon DE 723 was used for the survey. Three units, with serial numbers 530, 545 and 548 were used.

Phase errors were adjusted out by the method given in the revision to the "Raytheon DE 723 Operation and Maintenance Manual", dated June 14, 1963. Thus, there were no phase corrections for the survey.

Three types of fathometer corrections were applied to soundings: Index, bar check, and velocity. Index corrections were entered in the "index" column of the sounding volumes, while bar-check and velocity corrections were combined and entered in the "echo" column.

The initial trace was set at zero, so that index corrections consisted of variation of the initial from zero.

One bar-check was taken with the ship, near the beginning of the season. The correction determined was +1.3 fathom, the draft of the ship. This correction was applied to all ship work for the entire season.

Two bar-checks were taken daily with the launch when weather conditions permitted. All corrections were close to the value +0.2 fm, the draft of the launch, so this correction, +0.2 fm, was applied to all launch work.

Velocity corrections were computed from temperature and density observations by the graphic method described in section 5-118 of the Hydrographic Manual.

✓ E. SMOOTH SHEET

The smooth sheet projection ~~will~~^{was} be made by personnel of the Seattle Processing Office.

✓ F. CONTROL

Visual sextant fixes were used for horizontal control. Signals were located by photogrammetric methods and transferred from photogrammetric compilations; T-10691, T-10692, T-10693, T-11503 and T-11504.

✓ G. SHORELINE

Shoreline details were transferred from bluelines of the manuscripts listed in paragraph F. The transfer was not verified.

Changes and revisions to shoreline details are shown in violet ink on the field photographs and cross-referenced to the appropriate manuscripts. Because of the rocky and steeply sloping nature of the shoreline, the low-water line could not be delineated in many areas without endangering the launch and crew.

✓ H. CROSSLINES

Crosslines were run to the extent of 7% of normal sounding lines. Good agreement was obtained, considering the irregular character of the bottom.

✓ I. JUNCTIONS

Good agreement in depths was found with surveys listed in "B".

✓ J. COMPARISON WITH PRIOR SURVEYS

Presurvey review items are listed below, along with results of investigations. Depths given are preliminary and may be changed slightly after final reduction of soundings.

A least depth of 7.4³ fm was found at 55° 31.09' N., 132° 22.00' W., where 7 fm is now charted. Recommend this be charted. (Pos. 87-88 "S", vol. 6, p. 20)

At 55° 30.83' N., 132° 20.98' W., a least depth of 6.3³ fm was obtained, where 6 1/4 fm was charted. Recommend the continued charting of this feature. } pos. 53

About 300 yards east of the last-mentioned item, a least depth of 8.8³ fm was obtained where 7 fm is presently charted. Recommend the new depth be charted. } pos. 37-38 "S"

At 55° 30.33' N., 132° 20.04' W., a least depth of 7.3⁴ fm was found where 7 fm is presently charted. Recommend the continued charting of this feature. } vol. 11

A least depth of 2.4⁵ fm was found at 55° 30.54' N., 132° 23.61' W., where 2 3/4 fm is now charted. Recommend the continued charting of this feature. } p. 12

A least depth of 3.6⁵ fm was found near the charted 4 3/4 fm. Recommend the new least depth be charted. } at 55° 30.38' N., 132° 22.94' W. pos. 41-42 "P"

The 20 fm sounding at 55° 20.28' N., 132° 23.50' W. was verified. ~~should continue to be charted.~~ Present survey shows 25 fm in this spot. } not

A least depth of 8.4⁴ fm was found at 55° 29.00' N., 132° 22.95' W., near where 20 fm is now charted. Recommend charting of the new depth. Should chart 8 1/2 fm. } DISREGARD

The 20 fm sounding at 55° 28.94' N., 132° 20.76' W., was verified and ~~should continue to be charted.~~ Least depth found 19 fms, should be so charted. } DISREGARD

A least depth of 14 fm was found at 55° 28.78' N., 132° 20.58' W., where 21 fm is now charted. Recommend the new depth be charted. 21 fm on H-4439 a (1924) } DISREGARD

Item (4), the log storage dolphins in the cove at 55° 28.4' N., 132° 20.5' W., are still in existence and are being used for log storage. The cove is locally known as Linney Bay and provided an excellent moorage for the LESTER JONES during part of the field season. No piling at this place on B.S. or T-11,503. See CL 854 (1955)

A least depth of 10.4⁸ fm was found at 55° 28.83' N., 132° 18.62' W., near where 19 fm is now charted. Recommend the new depth be charted. } see

Prior surveys covering the area are as follows: H-1649b (1:80,000, 1885); H-4439a & b (1:20,000, 1924); and H-4440 a & b (1:20,000, 1924). } Review Part 7

Little comparison can be made with the 1885 survey because of the small scale and sparse soundings. The other two surveys compare well with the 1963 survey. Much more detail is shown on the 1963 survey due to the use of modern surveying instruments.

K. COMPARISON WITH THE CHARTS

The largest scale chart of the area is chart 8142 (1:40,000, Dec. 10, 1962). Important changes and additions, other than those noted in section J, are listed below.

This name shown on smooth sheet by the authority of the Geographer, N.O.S.

7/1/71

Deas

An uncharted least depth of 30 fm was found at 55° 31.54' N., 132° 24.07' W.;
Recommend this feature be charted.

An uncharted least depth of 8.7 fm was found at 55° 28.83' N., 132° 20.76' W.
Recommend this feature be charted.

The shoal which includes the last-mentioned item and two presurvey re-
view items extends farther northwestward than is presently charted. A depth of
16 fm was found at 55° 29.00' N., 132° 20.92' W. Recommend the feature be charted.

An uncharted least depth of 72 fm exists at 55° 30.25' N., 132° 18.90' W.
Recommend this be charted.

Important newly found dangers to navigation are listed below:

<u>Danger:</u>	<u>Position:</u>	<u>Latitude:</u>	<u>Longitude:</u>	<u>Least Depth:</u>
Shoal	2y - 3y	55° 32.68' N.	132° 25.80' W.	1.2 fm ✓
Shoal	45v - 46v	55° 28.54' N.	132° 20.47' W.	2.5 ⁴ fm (missed Peak)
Shoal	(71t)	55° 29.80' N.	132° 19.41' W.	1.6 ⁸ fm ✓ 72 "t"
Shoal	(72t)	55° 29.88' N.	132° 19.38' W.	1.5 ⁷ fm ✓ 71 "t"
"	41n-42n	55° 30.32' N.	132° 22.88' W.	3.0 " ✓

✓ L. ADEQUACY OF THE SURVEY

This survey is complete and adequate to supercede prior surveys for charting.

✓ M. AIDS TO NAVIGATION

There are two aids to navigation within the area of the survey, KASAAN LIGHT and KASAAN ISLAND LIGHT, both of which are included on the Landmarks for Charts and Fixed Aids to Navigation Report. Kasaan Light was located in 1963 by 3rd-order triangulation, and Kasaan Island Light was located in 1963 by photogrammetric methods. Characteristics are as given in the 1963 official Light List, and the lights adequately serve the purposes for which they were intended.

✓ N. STATISTICS

Positions	Launch	3,164
	Ship	51
Nautical M. Sdg. lines	Launch	345.4
	Ship	-
Area of Survey		15 Square Nautical miles.

✓ Q. REFERENCES TO REPORTS

Fathometer Report	(Forwarded January 15, 1964)
Field Edit Report	(Forwarded November 4, 1963)
Aids to Navigation	(Forwarded December 17, 1963)
Triangulation Records for Kasaan Light	(Forwarded December 9, 1963)

Respectfully submitted

Gerald W. Hohmann
Gerald W. Hohmann
Lt (jg), USC&GS

APPENDIX A

TIDE NOTE

*Kasaan Tide Station plotted
on smooth sheet*
↓

One portable gage, at Latitude $55^{\circ} 32.19'$ N., Longitude $132^{\circ} 23.78'$ W., at Kasaan, was used for the survey.

The 5.9-foot mark on the staff corresponds to MLLW, the plane of reference. The time zone used was 120° W., and no corrections for time or height were applied to the observed tides. Tides for August 24, September 10 and September 25 were inferred from Saltery Cove.

APPENDIX B

ECHO CORRECTIONS

KASAAN BAY
and

PF 10-3-60A

LJ 10-2-63

June 1, 1963 thru July 11, 1963

Correction (fm)	To depth (fm)
0.0	4.5
+ 0.1	15.0
+ 0.2	28.0
+ 0.3	42.0
+ 0.4	57.0
+ 0.5	69.0
+ 0.6	80.0
+ 0.7	93.0
+ 0.8	107.0
+ 1.0	-

Add+1.3 fm correction (dra ft) for ship work

Add+0.2 fm bar-check correction for launch work

ECHO CORRECTIONS (Cont.)

KASAAN BAY

LJ 10-2-63, LJ 10-3-63, LJ 10-4-63

July 12, 1963 thru Sept. 2, 1963

Correction (fm)	To depth (fm)
0.0	- 1.2
+0.1	9.5
+0.2	21.0
+0.3	33.0
+0.4	46.0
+0.5	59.0
+0.6	72.0
+0.7	85.0
+0.8	101.0
+1.0	-

Add+1.3 fm draft correction for ship work

Add+0.2 bar-check correction for launch work

ECHO CORRECTIONS (Cont.)

KASAAN BAY

Sept. 3, 1963 thru Sept. 28, 1963

LJ 10-2-63, LJ 10-3-63, LJ 10-4-63

Corrections (fm)	To Depth (fm)
0.0	3.0
+0.1	9.2
+0.2	15.0
+0.3	22.0
+0.4	30.0
+0.5	40.0
+0.6	50.0
+0.7	62.0
+0.8	73.0
+0.9	85.0
+1.0	-

Add +1.3 fm draft correction for ship work

Add +0.2 bar-check correction for launch work

APPENDIX C

LIST OF SIGNALS

ABE	T-10691	GAD	T-10692
ACT	T-11504	GAG	T-10692
AHA	T-11503	GAL	T-10691
AIM	T-11503	GAM	T-11504
ALP	T-11503	GIN	T-11503
ANN	Ann, 1911-1924	GOB	T-10691
AZO	T-10691	GUS	T-11503
BACK	Back, 1924	HAG	T-10692
BAG	T-10691	HAT	T-10691
BAK	Bake, 1911-1924	HER	T-10692
BAT	T-10691	HOD	T-11503
BED	T-10692	HUB	T-10692
BILL	Vol II, Page 71	HUN	T-10691
BON	T-11503	HUT	T-10692
BUS	T-11504	IDA	T-10692
BUT	T-11503	ICE	T-10692
CAB	T-10691	ISL	Isle, 1911-1924
CAR	T-10691	ITS	T-10691
CAT	T-10692	IVY	T-10692
COL	Cole, 1911-1924	JAP	T-10692
COP	T-11503	JAY	T-11503
CRY	T-11503	JIM	T-11504
CUR	T-11503	JOB	T-10691
DAW	T-10691	JOE	T-10691
DAY	T-10691	KAS	T-10691
DIM	T-10691	KAY	T-11503
DOC	T-10691	KED	T-10692
DOG	T-10692	KEN	T-11503
DON	T-10692	KID	T-10692
EAR	T-10691	KIM	T-10692
EAT	T-10682	LAD	T-10692
EBB	T-11504	LAN	T-11504
EGG	T-10691	LAS	Last, 1911, 1924
ELF	T-11503	LEO	T-11503
END	T-11504	LIG	Kasean Light, 1963
EVA	T-11503	LIP	T-10691
FAR	T-10692	LOG	T-10691
FAT	T-10692	LON	Long, 1911-1924
FED	T-10691	LOP	T-11503
FEW	T-10692	LUG	T-11503
FIG	T-11503	LUX	T-11503
FIN	Fin, 1911-1924	MAN	T-10692
FRY	T-11503	MAG	T-10692
FUN	T-10692	MAL	T-11504
		MUM	T-11504

NAT	T-10692	SHE	T-11503
NAY	T-10692	SIN	Vol IX, p. 24,39; Vol X, p85
NEO	T-11503	SIR	T-10691
NEW	T-11504	SOX	T-11503
NIL	T-11503	SUB	T-11504
NIP	T-11503		
NUL	T-11504	TAN	T-11504
NUT	T-11503	TAX	T-11503
NOW	T-10691	TQM	T-11503
		TRI	Tri, 1911-1924
OAK	T-11503	TUB	T-11503 (Hydro)
ODD	T-11503	TUR	Turf, 1924
OFF	T-11503		
OIL	T-10692	USE	T- 11503
OLD	T-11503		
ORA	T-10693	VAL	T-10692
OUT	OUT, 1911-1924		
		WAG	T-11504
PAD	T-11504	WAX	T-11503
PEG	T-11503	WHO	T-11503
PIE	T-11503	WIT	T-10692
PIT	T-11504		
PLY	T-11503	YAK	T-11503
PUP	T-10691	YAM	T-10691
		YES	T-11503
RAG	T-11503	YET	T-11503
RAT	T-11503		
REEF	Vol III, P 68,69	ZAG	T-10691
RIG	T-11503	ZOO	T-11503
RIM	T-11503		
RIO	T-11503		
RIP	T-11503		
RUB	Scrub 2, 1906-1924		
RUM	T-11504		

APPENDIX D

APPROVAL SHEET

Survey H-8769 (LJ 10-2-63) has been examined by me and is approved. The boat sheet and records were inspected daily, and the survey is complete and adequate, so that no additional field work is recommended.


Alfred C. Holmes
LCDR, USC&GS

PROCESSING OFFICE NOTES - H-8769

SMOOTH SHEET

The smooth sheet was hand constructed and checked by personnel of the PMC. Shoreline was transferred from blue-line prints of advanced manuscripts T-10691, T-10692, T-10693, T-11503 and T-11504. Signals were transferred from blackline prints of the above manuscripts. All triangulation was plotted by dms and dps.

The smooth sheet was verified and inked by personnel of PMC.

CONTROL

Hydro signal "TUB" was transferred from T-11503. No fix for signal was found in sounding records for TUB in sounding volumes. No other source could be found.

COMPARISON WITH PRIOR SURVEYS

Corrections have been made in ink to entries in the report under this item.

COMPARISON WITH CHART

Comparison has been made with Chart 8142, 5th Ed. Jan. 10, 1966. A section of the chart is attached to this report and shows graphically the items mentioned in the report as well as some that weren't mentioned.

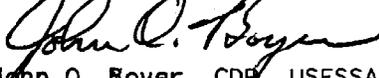
Examined and Approved:


William M. Martin
Superv. Carto. Tech.

Approved and Forwarded:


Harold J. Seaborg, CAPT, USESSA
Director, Pacific Marine Center

Contents Noted and Forwarded:


John O. Boyer, CDR, USESSA
Chief, Operations Division, PMC

GEOGRAPHIC NAMES

Survey No. H-8769

Name on Survey	Source of Name											
	A	B	C	D	E	F	G	H	K			
Adams Point												1
Baker Point												2
Berry Island												3
Coal Bay												4
Daisy Island												5
Happy Harbor												6
Kasaan												7
Kasaan Bay												8
Kasaan Island												9
Kasaan Peninsula												10
Little Coal Bay												11
Poor Man Bay												12
Prince of Wales Island												13
Round Island												14
Linney Bay												15
												16
												17
												18
Sunny Hat Pt.	8142											19
												20
												21
												22
												23
												24
												25
												26
												27

NOT SHOWN ON SMOOTH SHEET *NEW*

*Names approved
Nov. 17, 1966
Frank W. Fickett*

*Part J. of this Deer. Report states that Linney Bay is a local name for the bay in Lat. 55° 25.3, Long. 132° 20.4. Dr. Wright of Geographic Names authorized the use of this name for charting on 7/1/71.
*FW**

GEOGRAPHIC NAMES PENCILED ON H-8769

ADAMS PT.

BAKER PT.

BERRY PT.

DAISY I.

KASAAN

KASAAN BAY

KASAAN ISLAND

KASAAN PENINSULA

PRINCE OF WALES ISLAND

POOR MAN BAY

ROUND I.

TIDE NOTE FOR HYDROGRAPHIC SHEET

April 7, 1964

Nautical Chart Division: Seattle Regional Officer

Plane of reference approved in
17 volumes of sounding records for

HYDROGRAPHIC SHEET 8769

Locality Kasaan Bay, Southeast Alaska

Chief of Party: A. C. Holmes in 1963

Plane of reference is mean lower low water, reading

5.9 ft. on tide staff at Kasaan

22.1 ft. below B. M. 2 (1911)

5.0 ft. on tide staff at Saltery Cove

15.8 ft. below BM 1 (1921)

Height of mean high water above plane of reference is as follows:

Kasaan - 14.5 feet

Saltery Cove - 14.4 feet

Condition of records satisfactory except as noted below:



Chief, Tides and Currents Branch

OFFICE OF MARINE SURVEYS AND MAPS

MARINE CHART DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-8769

FIELD NO. LJ-10-2-63

Alaska -- Clarence Strait, Southeast Alaska -- Kasaan Bay

SURVEYED: June 14, 1963, through September 25, 1963

SCALE: 1:10,000

PROJECT NO.: OPR-405

SOUNDINGS: Raytheon DE-723
Depth Recorders

CONTROL: Sextant fixes on
shore signals

Chief of Party.....	A. C. Holmes
Surveyed by.....	A. C. Holmes
.....	W. V. Hull
.....	G. W. Hohmann
Protracted by.....	V. F. Flor
Soundings Plotted by.....	V. F. Flor
Verified and Inked by.....	C. A. J. Pauw
Reviewed by.....	S. Rose
.....	Date: May 5, 1967
Inspected by.....	D. E. Westbrook

1. Description of the Area

This survey covers the area of Kasaan Bay from Little Coal Bay to Daisy Island. Kasaan Island is within the area of this survey. The shoreline is steep. The bottom is relatively stable. Shoals and pinnacles abound, particularly around Kasaan Island. Most of the shoreline is fringed by ledge except where broken by an occasional gravel beach. The bottom is composed of mud, sand, broken shells, and pebbles throughout most of the area.

2. Control and Shoreline

The control is adequately described in the Descriptive Report. The shoreline originates with Advance Photogrammetric Manuscripts T-10691 (1956-63), T-10692 (1956-63), T-10693 (1956-63), T-11503 (1954-63), and T-11504 (1954-63).

3. Hydrography

A. Depths at sounding line crossings are in good agreement.

B. The usual depth curves were adequately delineated, except close inshore in a few areas of relative unimportance. Several dashed and brown curves have been added to emphasize certain important bottom features.

C. The development of the bottom configuration and determination of least depths are adequate except for several shoals and banks which should have been more completely developed as follows:

<u>Depth</u>	<u>Lat.</u>	<u>Long.</u>
15 fm.	55°29'25	132°23'44
9 fm.	55°29'53	132°22'21
1.5 fm.	55°29'84	132°19'70
12 fm.	55°30'70	132°23'74
30 fm.	55°31'56	132°24'06
6.7 fm.	55°29'64	132°24'15
5.9 fm.	55°28'86	132°23'42
3.8 fm.	55°28'65	132°21'03

In addition, the area northeast of signal NEW in lat. 55°30'00, long. 132°19'75 should have contained sounding lines run at an angle to the depth curves to fully delineate the bottom.

Pre-Survey Review Item #4 specifically requested the location of the log storage dolphins charted in Linney Bay. Although the field party, in the Descriptive Report, states that the dolphins were in existence and the area was being used for log storage, no attempt was made to locate these dolphins or even to delineate the log storage area on the boat sheet.

4. Condition of the Survey

The field plotting, sounding records, Descriptive Report, and Pacific Marine Center verification are adequate and conform to the requirements of the Hydrographic Manual except for the following verification defects:

A. The rock elevations were inked too small for legibility.

B. Depth curves were drawn incorrectly over the entire sheet. As a rule, soundings of the same value as the depth curve should be contained within the curve.

C. The one and two fathom curves were not inked, although most areas were open enough to accommodate them.

D. Many slow launch starts were not compensated for by adjusting the sounding spacing between the first two fixes on the line.

E. A few zero soundings adjacent to ledge or reef were not included in the ledge symbolization by extending the ledge symbol and removing the zero or minus sounding.

5. Junctions

Adequate junction was affected with H-8532 (1960) on the southwest. Junctions with H-8533 (1960-63) on the northwest and with H-8770 (1963) on the east will be discussed in the review of those surveys.

6. Comparison with Prior Surveys

A.	H-1649b	(1885)	1:80,000
	H-1649e	(1906)	1:10,000
	<u>H-3309</u>	<u>(1911-12)</u>	<u>1:2,000</u>

Except for H-3309, the above surveys are little more than reconnaissance in nature. H-3309, on the other hand, is a large scale survey of the area around the prior Mt. Andrew Mine Wharf. Soundings on two rocks have been brought forward from this survey to supplement the present survey.

With the addition of these two soundings, the present survey is adequate to supersede these prior surveys within the common area.

B.	H-4439a	(1924)	1:20,000
	<u>H-4440a</u>	<u>(1924)</u>	<u>1:20,000</u>

These two surveys comprise the most recent prior coverage of the present survey area. A comparison with the present survey reveals good general agreement, indicating relative stability of the bottom. Several rocks and shoal soundings not disproved by the present survey have been brought forward to supplement present survey information.

As a matter of record, it is noted that there are significant differences in the delineation of shoreline between these prior surveys and the present survey, notably on the north shore of Kasaan Island, in Little Coal Bay, and the southern shoreline of Daisy Island. These differences are probably the result of the surveying methods used rather than natural causes.

With the addition of the features noted above, the present survey is adequate to supersede these prior surveys within the common area.

C.	H-4439b	(1924)	W.D.	(1:20,000)
	<u>H-4440b</u>	<u>(1924)</u>	<u>W.D.</u>	<u>(1:20,000)</u>

Depths on the present survey do not conflict with the effective depths shown on these wire-drag surveys. Three soundings and one rock have been brought forward from these surveys to supplement the present survey.

7. Comparison with Chart 8142, 5th Ed., January 10, 1966

A. Hydrography

Present charted hydrography is from the previously described prior surveys which require no further consideration, supplemented by several soundings from the boat sheet of the present survey. Numerous changes have been made in the soundings and other information as now portrayed on the smooth sheet and the chart should be revised to reflect these changes.

Attention is directed to the following:

- (1) The ^{137'} pier ruins charted in lat. 55°30'26", long. 131°17'37" was originally Mt. Andrew Mine Wharf from H-3309 (1911-12). Chart Letter No. 321 of 1922 from the Lighthouse Service states that the mine "has been abandoned for several years and the wharf has entirely disappeared." The wharf has been charted as ruins since that time. Although no investigation was made to verify or disprove the existence of ruins in this instance, it is not believed probable that piling would still exist after 41 years. These pier ruins should therefore be deleted from the chart.

(2) The log storage dolphins charted in lat. $55^{\circ}28'22''$, long. $132^{\circ}20'30''$ originate with Chart Letter No. 854 of 1955. The Descriptive Report of the present survey states that they "are still in existence and are being used for log storage." It is not known why the field party did not locate these features, but the log storage dolphins should be retained as charted.

(3) The name Little Cool Bay charted in lat. $55^{\circ}30'20''$, long. $132^{\circ}27'35''$ should be corrected to Little Coal Bay. Also, Linney Bay, lat. $55^{\circ}28'18''$, long. $132^{\circ}20'24''$, should be named on the chart.

Except as noted above, the present survey is adequate to supersede the charted hydrography within the common area.

B. Aids to Navigation

There are no floating aids to navigation within the area of the present survey.

It is noted that Kasaan Island Light is charted on this edition of the chart about 80 meters east of its actual position as shown on the present survey. Notice to Mariners No. 23 of 1966, however, indicates that the light is discontinued and will no longer be charted.

8. Compliance with Instructions

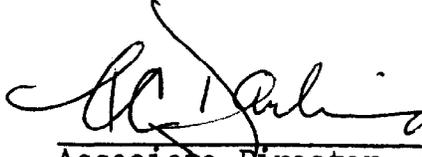
The survey adequately complies with project instructions except as noted under Section 3, Hydrography.

9. Additional Field Work

This is a good basic survey and no additional field work is recommended.

Examined and Approved:


Chief
Marine Chart Division


Associate Director
Office of Marine Surveys
and Maps

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. H-8769 (LJ 10-2-63)

RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered.

RECORD DESCRIPTION		AMOUNT	RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET			BOAT SHEETS		1	
DESCRIPTIVE REPORT			OVERLAYS		None	
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/SOURCE DOCUMENTS
ENVELOPES						
CAHIERS	1					
VOLUMES	17					
BOXES						

T-SHEET PRINTS (List) T-10691, 10692, 10693 and T-11503 & 11504

SPECIAL REPORTS (List)

OFFICE PROCESSING ACTIVITIES

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

PROCESSING ACTIVITY	AMOUNTS			
	PRE-VERIFICATION	VERIFICATION	REVIEW	TOTALS
POSITIONS ON SHEET				3225
POSITIONS CHECKED		1475	8	
POSITIONS REVISED		24	0	
DEPTH SOUNDINGS REVISED		22	0	
DEPTH SOUNDINGS ERRONEOUSLY SPACED		42	0	
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED		None	0	
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		18 hrs	7 hrs.	
JUNCTIONS		14 hrs	1 hr.	
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		17 hrs	13 hrs.	
SPECIAL ADJUSTMENTS		6 hrs	0	
ALL OTHER WORK <i>Sounding & depth curves</i>		149 hrs	113 hrs.	
TOTALS		204	134 hrs.	
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY <i>Cornelius A. J. Pann</i>	Feb 2nd 1966		March 21st 1966	
REVIEW BY <i>S. Rose</i>	April 13, 1967		May 5, 1967	

Inspected by *Dale E. Westbrook* TIME 75 hrs. 7/2/71

HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. 8769

RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered.

RECORD DESCRIPTION		AMOUNT	RECORD DESCRIPTION		AMOUNT	
SMOOTH SHEET		1	BOAT SHEETS		1	
DESCRIPTIVE REPORT		1	OVERLAYS			
DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES						
CAHIERS						
VOLUMES	17					
BOXES						
T-SHEET PRINTS (<i>List</i>)						
SPECIAL REPORTS (<i>List</i>)						

OFFICE PROCESSING ACTIVITIES

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

PROCESSING ACTIVITY	AMOUNTS			
	PRE-VERIFICATION	VERIFICATION	REVIEW	TOTALS
POSITIONS ON SHEET				
POSITIONS CHECKED				
POSITIONS REVISED				
DEPTH SOUNDINGS REVISED				
DEPTH SOUNDINGS ERRONEOUSLY SPACED				
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED				
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS				
JUNCTIONS				
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS				
SPECIAL ADJUSTMENTS				
ALL OTHER WORK				
TOTALS				
PRE-VERIFICATION BY	BEGINNING DATE		ENDING DATE	
VERIFICATION BY	BEGINNING DATE		ENDING DATE	
REVIEW BY	BEGINNING DATE		ENDING DATE	

