8771

Diag. Cht. No. 8102-3.

FORM C&GS-504

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. LJ-10-4-63 Office No. H-8771

LOCALITY

State S. E. Alaska

General locality Clarence Strait

Locality Kasaan Bay

1963

CHIEF OF PARTY

A. C. Holmes

LIBRARY & ARCHIVES

DATE April 8, 1969

USCOMM-DC 37022-P66

8771

FORM 537
(8-15-59)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO.

H-8771

HYDROGRAPHIC TITLE SHEET

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 10-4-63

State S.E. Alaska

General locality Clarence St., ~~S. E. Alaska Kasaan Bay~~

Locality Kasaan Bay

Scale 1:10,000 Date of survey 1963 Aug 16 - Sept. 26

Instructions dated February 28, 1963

Vessel Ship LESTER JONES & Launch 68

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

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

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

Fathograms scaled by Ship Personnel

Fathograms checked by Ship Personnel

Protracted by C. R. Lehman

Soundings penciled by C. R. Lehman

Soundings in fathoms ~~feet~~ at ~~MEAN~~ MLLW are true depths

REMARKS:

USCOMM-DC 27116-P59

DESCRIPTIVE REPORT

To Accompany Hydrographic Survey

H-8771 (LJ 10-4-63)

Scale: 1:10,000
Year : 1963

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

A. PROJECT

Survey LJ 10-4-63 of Project OPR-405 was accomplished according to revised instructions dated February 28, 1963.

B. AREA SURVEYED

This survey covers the mouth of Kasaan Bay between Latitudes 55° 20' N., and 55° 26' N.; and between Longitudes 132° 05' W., and 132° 12' W. The bottom configuration in the area is irregular, while the adjacent coastline is steep and heavily timbered.

Field work for the survey was accomplished between August 8, 1963 and Sept. 26, 1963.

Junctions are made with ~~prior~~ surveys H-8660 (1:10,000, 1962) and H-8666 (1:20,000, 1962) and with contemporary survey H-8770 (1:10,000,1963)
(H-8770 not available at time of review)

C. SOUNDING VESSEL vol.9-15 vol.1-8

The ship LESTER JONES and Launch 88 were used to obtain all soundings, ship work being designated by upper-case day letters and launch work by lower-case day letters. Violet day letters were used for both Ship and launch.
A hand lead line used occasionally.

D. SOUNDING EQUIPMENT

All soundings were obtained with Raytheon DE 723-Type fathometers, Serial numbers 530, 545 and 548.

Phase corrections were adjusted-out according to the method outlined in the revision to the Raytheon DE 723 Operation and Maintenance Manual, dated June 14, 1963.

Thus, only three types of corrections, index, bar check and velocity, were applied. Index corrections were entered in the "index" columns of the sounding volumes, while bar check and velocity corrections were combined and entered in the "echo" columns.

The initial trace was set at zero for both the ship and launch, and index corrections were determined by noting the variation of the initial from zero.

One bar check was taken from the ship during the course of the season; the correction obtained from this bar check, +1.3 fm, which coincided with the draft of the transducers, was applied to all ship work. Whenever possible, two or more bar checks were taken daily with the launch. Attempts were made to obtain bar checks at depths as great as 20 fathoms, but, due to wind and current conditions, the check bar could not be held directly beneath the transducers, and accurate measurements could not be made. Corrections from bar checks taken to depths of 6 or 8 fathoms agreed fairly well with those computed from temperature and density observations. Only the 2 fathom bar checks were used in determining corrections, however. These corrections rarely differed from the value of +0.2 fathoms, which is the approximate draft of the transducers, so that the average correction of +0.2 fathoms was applied to all launch work.

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

E. SMOOTH SHEET

The smooth sheet projection will 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. Photo-hydro points were transferred directly by the method described in photogrammetry Instruction No. 45. Photogrammetric compilations T-10698, T-10701, T-10702, T11504, and T-11507 were used for the transferring of signals ✓

G. SHORELINE

The shoreline and topographic details were transferred from bluelines of the incomplete manuscripts listed above; the transfer was not verified. See Review ✓

Shoreline revisions, along with other field-edit data, were shown on field photographs and sent to Washington for revision of manuscripts. ✓

Because of the steeply sloping and rocky character of the shoreline, the low-water line could not be delineated in most areas without endangering the launch and crew. ✓

Shoreline and along shore details checked by reviewer with advance manuscripts of T-sheets mentioned above.

H. CROSSLINES

Crosslines were run to the extent of 8% of regular sounding lines. Good agreement was obtained. ✓

I. JUNCTIONS

Good agreement was found at junctions with surveys listed in "B". ✓

J. COMPARISON WITH PRIOR SURVEYS

Items from the presurvey review are listed below, along with results of investigations. Depths given are preliminary, and may be changed slightly after final reduction of soundings. See "Processing Office Notes" 8 sndg. charted

A least depth of 8.~~8~~0 fm was found at 55° 26.12' N., 132° 10.48' W., where 9 fm is now charted. Recommend the new depth be charted. 27-28 "j", vol. 5, p. 60 ✓

About 200 yards southeast of the last-mentioned item, a least depth of 9.~~8~~5 fm was found near where the presently charted depth is 11 fm. Recommend the new depth be charted. 9 fm. 46-47 "C", vol. 10, p. 19; --- 8½ fm. 45 Meters NW, vol. 9, p. 46 9½ charted ✓

The 5~~3/4~~ fm depth at 55° 24.93' N., 132° 06.90' W., was ~~verified~~ found and should ~~continue to~~ be charted. pos. 170-171 "m", vol. 8, p. 5; (ok. on chrt 8083, Second Ed.) 5½ charted ✓

The 19 fm depth charted at 55° 25.95' N., 132° 05.57' W., was investigated by a closely spaced system of lines and was found to be in error. A least depth of 8.~~2~~ 9 fm was found about 500 yards to the west, and a least depth of 16 fm was found about 600 yards to the southeast. Recommend the 19 fm depth be deleted from the charts, and the two new least depths be charted. 31-32 "H", vol. 13; 21-22 "p", vol. 8 19 deleted; 63¢ 16 charted

The 1 1/4 fm sounding at 55° 23.66' N., 132 10.76' W., was verified and should continue to be charted. 143-144 "g", vol. 4, p. 53; pos. 6 "h", vol. 5, p. 29 1¼ Rk charted

A least depth of 1~~9~~7 fm was found at 55° 23.25' N., 132° 09.75' W., where 22 fm is now charted. Recommend the new depth be charted. 17 fm. 216-217 "d", vol. 3 17 charted ✓

A least depth of 4.~~8~~ fm was found at 55° 22.46' N., 132 12.88' W., where 8 fm is now charted. Recommend the new depth be charted. 41-42 "m", vol. 7, p. 44-45 4¾ charted ✓

(from H-4197 (1921)) The 18 fm depth, charted at 55° 20.82' N., 132° 07.42' W., was searched for extensively but was not found. Recommend it be deleted from the charts. 18 has been deleted; 27-28 Fm. in area ✓

Prior surveys covering the area are H-4190 (1:50,000, 1921); H-4197 (1:20,000, 1921); and H-4439 a & b (1:20,000, 1924). Agreement with the 1963 survey is generally good; the bottom is delineated in much greater detail on the new survey, however, because of the larger scale and modern surveying instruments used. ✓

K. COMPARISON WITH THE CHART

The largest scale chart of the area is Chart 8142 (Dec. 10, 1962). Listed below are the important changes and additions to be made, other than those already noted in section J. Reviewer's Comparison with Chart #8083, Sec. Ed. 5-13-'68

A least depth of 9 fm should be charted at 55° 26.38' N, 132° 10.74' W. pos. 88 "B"

The chart presently shows a controlling depth of 6 fm in the passage between Patterson Island and High Island. Recommend the depth be charted as ~~3 1/2~~ 4.7 fm, as shown on the boat sheet. pos. 12-13 "h", vol. 5, p. 31

Shoaling to a depth of 6 fm was found at 55° 20.05' N, 132° 08.45' W. Recommend this feature be charted. pos. 135-136 "b", vol. 2, p. 28

There is one important newly found danger to navigation, a rock which uncovers at 55° 22.3½' N, 132° 13.67' W. Location data are given on blackline manuscript T-10701, which shows signal locations for the area. Rk pos 1a Vol. 8, pg. 72 In Spiral Cove, vol. 8, p. 72

L. ADEQUACY OF SURVEY

The northern part of the survey, around Grindall Island, is unfinished, and some of the work on the "B" sheet east of Grindall Island may have to be rejected during processing because of missed soundings in the deeper water. Soundings were lost several times on the DE 723 when depths became too great. However, the finished portion of the survey south of Grindall Island is complete and adequate to supersede prior surveys for charting. Note Reviewer's Report

M. AIDS TO NAVIGATION (No apostrophe in "Trollers"; see Geographic Names)

There are two aids to navigation within the area of the survey: High Island Light, and Troller's Cove Light (TRO). Troller's Cove Light was located by photogrammetry in 1963 and was reported in the Report on Fixed Aids to Navigation.

Characteristics of the lights are as shown in the Light List for 1963 and the chart, and they adequately serve the purposes for which they were intended.

N. STATISTICS

Positions:	Launch	2,014 Skiff = 5
	Ship	1,444
Miles sounding lines	Launch	216.5
	Ship	232.4
Area of Survey	25 sq. naut. miles	
Tide Gages	1	
Current Stations	1	
Bottom samples	199 Vols. 3, 4, 15	

O. MISCELLANEOUS

Odor of hydrogen sulfide detected in bottom samples from protected coves.

Q. REFERENCES TO REPORTS

Fathometer Report	(Forwarded January 15, 1964)
Field Edit Report	(Forwarded November 4, 1963)
Aids to Navigation	(Forwarded December 17, 1963)

Respectfully Submitted,

Gerald W. Hohmann

Gerald W. Hohmann
Lt (jg), USC&GS
January 15, 1964

APPENDIX A

TIDE NOTE

One Portable tide gage, at Latitude 55° 24.14' N., Longitude 132° 19.78'W, in Saltery Cove, was used for the survey. outside limits of H-8771

The 5.0 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. Only the tides for September 11 were furnished by the Washington Office.

APPENDIX B

ECHO CORRECTIONS (C)

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

ACE	T-11507
ADO	T-10701
AHA	T-10698
ALP	T-10701
AMP	T-10702
ART	T-10701
AZO	T-11507
BAG	T-11507
BAH	T-10702
BA T	T-10702
BED	T-11507
BOA	T-10702
BON	T-11504
BOX	T-11507
BUST	T-10701
BUT	T-10701
CAM	T-11507
CHOP△	Chop, 1924
COW	T-10701
CRY	T-10701
DAL△	Grindall, 1912, 1921
DAW	T-11507
DAY	T-10702
DIF	T-10702
DIP	T-11507
DON	T-10701
DOT	T-10701
EAT	T-11507
EAR	T-11507
EGG	T-10702
END	T-11507
ERA	T-10702
ERG	T-10702
EVA	T-10701
FAR	T-11507
FAT	T-11507
FEW	T-10698
FIG	T-10701
FOE	T-10702
FRO	T-11507
FRY	T-11504
GAD	T-11507
GAL	T-11507
GAS	T-10702
GEO	T-10701
GIN	T-10702
GOB	T-10702
GUM	T-11504
HAG	T-11507
HEM	T-10698
HEX	T-10701
HIG△	High Island, 1912-1929
HOW	T-10701
HUG	T-10701
ICE	T-10701
IDA	T-11507
ION	T-10698
ISL	T-10701
IVY	T-10702
JAP	T-11507
JAW	T-10701
JOY	T-10698
KEY	T-10702
KID	T-11507
LAD	T-10701
LAN△	High Island Light, 1962
LAX	T-11507
LIZ	T-11504
LOG	T-10701
MET	T-10702
MOP	T-10701
MUG	T-11507
MUM	T-10701
NED	T-10698
NEW	T-11507
NOR	T-10701
NUT	T-10702
NUX	Hydro * on T-11507 * (6)

* Located by sextant fix with check angles, but angles lost. Will have to be transferred directly from boat sheet to smooth sheet. Signal was on high point of rock, so may be located on photographs.

OAK	T-11507
OBI	T-10698
ODD	T-11507
OFF	T-10698
OLD	T-10701
ORA	T-10702
ORB	T-11507
OWL	T-10698
PAD	T-10702
PAL	T-11507
PAR	T-10701
PEG	T-10701
PIN	T-10701
POI	T-11507
PUP	T-11504
RAT	T-10701
REE	T-10701
REN△	Ren, 1924
ROA△	Approach, 1915-1924
ROY	T-10701
RUE	T-10702
SAM	T-10701
SHE	T-11507
SIO	T-10702
SIP	T-10701
SIR	T-11507
SK Y	T-11507
SOL	T-10701
SUE	T-10701
TAN	T-11507
TRO	T-10701, (Trollers Cove Light
USE	T-10702
VAL	T-10702
VET	T-10701
VIA	T-10702
WAD	T-10701
WAX	T-10702
WEE	T-11507
WHY	T-11507
WIT	T-10701
YEA	T-10701
ZOO	T-10698

APPENDIX D

APPROVAL SHEET

Survey H-8771 (LJ 10-4-63) has been examined by me and is approved. The boat sheet and records were inspected daily during the field season. Except for the unfinished area around Grindall Island, which may be worked on another sheet, the survey is complete and adequate, so that no additional field work is recommended.

Alfred C. Holmes
LCDR, USC&GS

FORM C&GS-712
(3-9-64)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

TIDE NOTE FOR HYDROGRAPHIC SHEET

July 9, 1964

Seattle Regional Office

Plane of reference approved in
15 volumes of sounding records for

HYDROGRAPHIC SHEET H-8771

Locality: Kasaan Bay, Clarence Strait, Alaska

Chief of Party: A.C. Holmes

Plane of reference is mean lower low water

Tide Station Used (Form C&GS-681): Saltery Cove, Alaska

Height of Mean High Water above Plane of Reference is as follows: 14.3 ft.

Remarks Note: Tide reducers listed below have been changed in red and verified.

Vol.	Pos.
~~5~~ 13	1 H to 14 H ✓ wmm

J. M. Symons

Chief, Tides and Currents Branch

USCOMM-DC 6680-P64

FORM 197
(3-16-55)

GEOGRAPHIC NAMES

Survey No. H-8771

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Approach Point	✓									1
Grindall Island	✓									2
Grindall Passage	✓									3
Grindall Point	✓									4
High Island	✓									5
Island Point										6
Kasaan Bay										7
Kasaan Peninsula										8
Kluanil Island										9
Patterson Island	✓									10
Prince of Wales Island										11
Spiral Cove										12
Spiral Creek										13
Trollers Cove										14
Twenty Fathom Bank										15
Clarence Strait										16
										17
			Names approved							18
			June 25 1969							19
			Frank W. Pickett							20
										21
										22
										23
										24
										25
										26
										27

PROCESSING OFFICE NOTES H-8771

SMOOTH SHEET

The projection was plotted by the digital plotter and completed by personnel of the Pacific Marine Center in accordance with the Hydrographic Manual. ✓

SHORELINE

The smooth sheet shoreline was transfered from blueline prints of Avanced Manuscripts T-10698, 10701, 10702, 11504 and 11507. see Review ✓

JUNCTIONS

This survey makes a junction with H-8947 (1967) which has not been completed as yet. The boat sheet of that survey was compared with this one and the agreement appears satisfactory except in one place, at Lat.55°25'.99, Long. 132°07'.45, where this survey shows a 32 fm sounding and H-8947 shows a 41. The fathogram on this survey appears somewhat questionable. Form shows a feature ✓

H-8771 also joins H-9062 (1968) not registered as of date of this review. ✓

Smooth sheet values have been added to the Descriptive Report in ink under paragraphs "J" & "K". ✓

Examined and Approved

William M. Martin
Supervisory Carto. Tech.

Approved and Forwarded

George M. Poor

George M. Poor, CDR, USESSA
Chief, Processing Division, PMC

FORM C&GS-946
(REV. 3-1-64)
(PRESC. BY HYDROGRAPHIC MANUAL 20-2, 6-94, 7-13)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
NAUTICAL CHART DIVISION

HYDROGRAPHIC SURVEY STATISTICS

HYDROGRAPHIC SURVEY NO. H-8771

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

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET	1	BOAT SHEETS	2
DESCRIPTIVE REPORT	1	OVERLAYS	0

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
ENVELOPES	1					
CAHIERS						
VOLUMES	15					
BOXES						

T-SHEET PRINTS *(List)* T-10,698, T-10,701, T-10,702, T-11,504 & T-11,507

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				~~3463~~ 3662
POSITIONS CHECKED		1354	7	1361
POSITIONS REVISED		31	0	31
DEPTH SOUNDINGS REVISED		35	0	35
DEPTH SOUNDINGS ERRONEOUSLY SPACED		132	0	132
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED		0	0	0
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		4 hrs	9 hrs	13 hrs
JUNCTIONS		73 "	5 "	78 "
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		13 "	5 "	18 "
SPECIAL ADJUSTMENTS		8 "	0 "	8 "
ALL OTHER WORK		453 "	113 "	566 "
TOTALS		551 "	132 "	683 "

PRE-VERIFICATION BY	BEGINNING DATE	ENDING DATE
VERIFICATION BY Vincent F. Flor	BEGINNING DATE APRIL 19, 1966	ENDING DATE AUG. 22, 1966
REVIEW BY S. Rose	BEGINNING DATE May 6, 1969	ENDING DATE May 29, 1969

Inspected J. T. Gallahan 16 hr Sept. 3, 1976 – Oct. 8, 1976

COMM-DC 6641-P64

H-8771

Information for Future Presurvey Reviews

This survey covers the mouth of Kasaan Bay and is considered adequately developed. Only minor changes in the bottom are expected.

Position Index Lat.	Long.	Bottom Change Index	Use Index	Resurvey Cycle
552	1321	2	1	50 years
552	1322	2	1	50 years

OFFICE OF MARINE SURVEYS AND MAPS

MARINE SURVEYS DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-8771 FIELD NO. LJ-10-4-63

Southeast Alaska, Clarence Strait, Kasaan Bay

SURVEYED: August 16 - September 26, 1963

SCALE: 1:10,000 PROJECT NO.: OPR-405

SOUNDINGS: Raytheon DE-723 Depth Recorders, Lead Line 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	C. R. Lehman
Soundings Plotted by	C. R. Lehman
Verified and Inked by	V. F. Flor (Seattle)
Reviewed by	S. Rose
	Date: May 29, 1969
Inspected by	J. T. Gallahan

1. Description of the Area

This survey covers the entrance to Kasaan Bay and extends from Grindall Island southward to latitude 55°20'. The survey limits extend westward approximately 8 miles from longitude 132°05.'

The bottom of this area is highly irregular especially nearshore where numerous rocks, reefs, islets, and shoals exist. Offshore the bottom slopes gently to maximum depths. The greatly indented shoreline is fringed with ledges except for short stretches of sand, gravel, and boulder beaches.

The predominant bottom characteristics are mud, sand, shells, and pebbles.

2. Control and Shoreline

The source of the control is adequately described in the Descriptive Report.

The shoreline originates with class 1 maps (unreviewed manuscripts) T-10698 (1956-63), T-10701 (1956-63), T-10702 (1956-63), T-11504 (1954-63), and T-11507 (1954-63). The mean high water line is shown for guidance only; the true position is shown on the topographic surveys mentioned above.

3. Hydrography

A. Depths at crossings are in good agreement.

B. Standard depth curves are adequately delineated; however, the foul nature of the nearshore areas prevented development of some of the lesser depth curves.

C. The development of the bottom configuration and the investigation of least depths are considered adequate.

4. Condition of Survey

The field plotting, sounding records, and the Descriptive Report are adequate and conform to the requirements of the Hydrographic Manual except as follows:

A. The current station shown on the boat sheet was not shown on the verified smooth sheet.

B. Triangulation station REN, 1924 was incorrectly shown as a topographic station on the verified smooth sheet.

C. There were numerous minor revisions to the verified smooth sheet affecting islets, rks., reefs, and elevations.

5. Junctions

Adequate junctions were effected with the following surveys:

H-8660 (1962) on the south
H-8666 (1963) on the east
H-8770 (1963) on the west and northwest
H-8947 (1967) on the north
H-9062 (1968) on the northeast

6. Comparison with Prior Surveys

A. H-1649"b" (1885) 1:80,000

This early reconnaissance survey could not be effectively compared with the present survey due to the inadequate control and the nature of this

small-scale survey. The present survey is adequate to supersede this prior survey within the common area.

B. H-4190 (1921) 1:50,000
H-4197 (1921) 1:20,000
H-4439"a" (1924) 1:20,000

These prior surveys taken together cover the area of the present survey. In general only minor differences are noted between present and prior depths. The more complete development on the larger scale present survey revealed numerous shoal features not detected on the prior survey.

Attention is directed to the following:

(1) A rock awash at latitude 55°21.47', longitude 132°10.13' and a nearby $2\frac{3}{4}$ sounding have been carried forward from H-4197 (1921) to supplement the present survey information.

(2) An 18-fathom sounding (Presurvey Review dashed item) at latitude 55°20.82', longitude 132°07.43' originates with H-4197 (1921). This sounding falls in depths of 27-28 fathoms in an area of close development on the present survey. The unsupported 18-fathom sounding from this prior survey is considered in error and should be disregarded.

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

C. H-4439"b" (1924) WD 1:20,000

This wire-drag survey covers the area of the present survey. The effective depths of the wire-drag survey are not in conflict with the depths of the present survey.

7. Comparison with Chart 17436 (8083), latest print date March 6, 1973

A. Hydrography

Most of the charted hydrography in the common area originates with the present survey after review. The 6-fathom 3-foot sounding from junctional survey H-8947 (1967) at latitude 55°25.9', longitude 132°05.4' should be revised to 6 fathoms 5 feet to reflect the corrected depth. A few uncovering values for rocks awash differ by one foot with the values shown on the present survey. No other conflicts were noted between charted and present survey information.

B. Aids to Navigation

The two fixed aids to navigation agree with the charted position and adequately serve the purpose intended.

8. Compliance with Instructions

The present survey adequately complies with the project instructions.

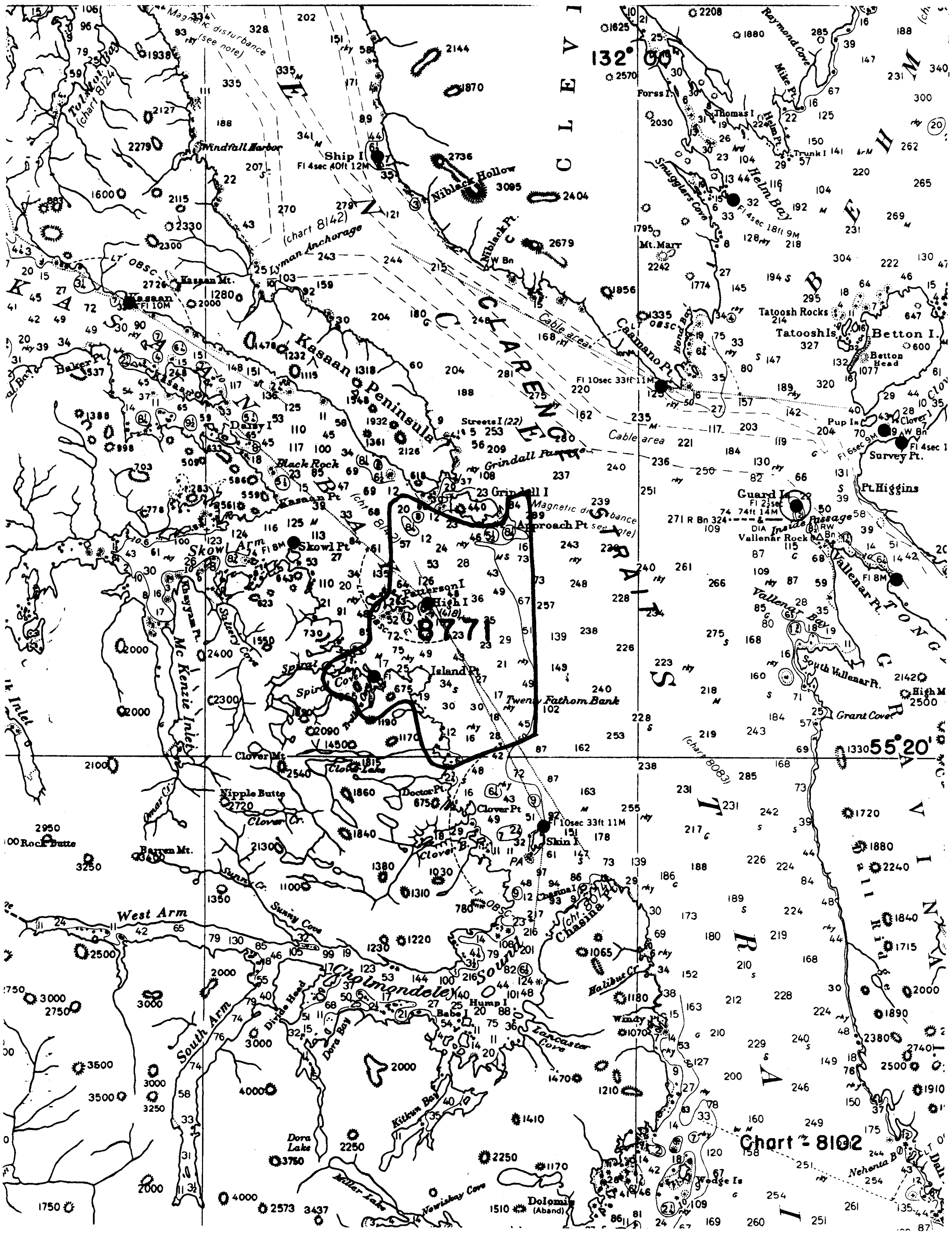
9. Additional Field Work

The present survey is a very good basic survey and no additional field work is required.

Examined and Approved:

A. J. Patrick
Chief
Marine Surveys Division

for L. Curtis Yeager
Associate Director
Office of Marine Surveys
and Maps


132° 00'
55° 20'
8771
Chart - 8102
Clarence Strait
Kasaan Peninsula
Kasaan Bay
Skowl Arm
Skowl Pt
Kasaan Pt
Kasaan Mt.
Kasaan
Patterson I
High I
Island Pt
Spiral Cove
Twenty Fathom Bank
Grindall Passage
Grindall I
Approach Pt
Streets I (22)
Magnetic disturbance (see note)
Cable area
Niblack Hollow
Niblack Pt.
Ship I
Fl 4sec 40ft 12M
Windfall Harbor
Lyman Anchorage
(chart 8142)
(chart 8124)
(chart 8083)
Mc Kenzie Inlet
Clover Mt.
Clover Lake
Clover Pt
Clover B.
Clover Cr.
Doctor Pt.
Nipple Butte
Barren Mt.
Rock Butte
Skin I
Fl 10sec 33ft 11M
Chasina Pt
Chasina I
Sunny Cr.
Sunny Cove
West Arm
South Arm
Cholmondeley Sound
Divide Head
Dora Bay
Dora Lake
Babe I
Hump I
Lancaster Cove
Kitkun Bay
Miller Lake
Nowiskay Cove
Dolomi (Aband)
Halibut Cr.
Windy Pt
Wedge Is
Nehenta B
Mt. Marr
Caamano Pt
Fl 10sec 33ft 11M
Guard Is
Inside Passage
Vallenar Rock
Vallenar Pt.
Vallenar Bay
South Vallenar Pt.
Grant Cove
Tatoosh Rocks
Tatoosh Is
Betton I.
Betton Head
Pup Is
Clover I
Survey Pt.
Pt. Higgins
Smugglers Cove
Helm Bay
Thomas I
Trunk I
Forss I.
Raymond Cove
Mike Pt
Black Rock
Daisy I
Baker Pt

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-8771

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
8083	6-3-69	H. Radde	~~Full~~ Part ~~Before~~ After Verification Review before Inspection Signed Via
			Drawing No. Added ✱ and 3 fathom Sdg Curve
8083	6-2-67		partly appl'd bfr V&R see history #1 item 68
8142	6-3-69	H. Radde	~~Full~~ Part ~~Before~~ After Verification Review before Inspection Signed Via
			Drawing No. App'd thru cht. 8083
8102	4/10/70	O. Svendsen	~~Full~~ Part Before ~~After Verification Review~~ Inspection Signed Via
			Drawing No. Exam. No corr
	6/17/77	C. Forber	Full Part Before After Verification Review Inspection Signed Via
			Drawing No. Exam for NM after signature - no corrs
17420	6/25/84	B. Fauntleroy	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 32, through cht 17426, Dwg #14
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.