8245

Diag. Cht. NO. 8152-2.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. LJ-1355 *Office No.* H-8245

LOCALITY

State S. E. Alaska

General locality Sumner Strait

Locality Shipley Bay

1955

CHIEF OF PARTY

G. A. Nelson

LIBRARY & ARCHIVES

DATE April 21, 1959

USCOMM-DC 5087

8245

Form 537
(Ed. June 1946)

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

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.

REGISTER No. H-8245

Field No. LJ-1355

State S. E. ALASKA

General locality Sumner Strait

Locality Shipley Bay

Scale 1:10,000 Date of survey August & September 1955

Instructions dated 6/3/53, 12/28/53, 12/23/54, 1/25/55

Vessel Ship LESTER JONES

Chief of party George A. Nelson

Surveyed by George A. Nelson, Charles W. Clark, Pentti A. Stark

Soundings taken by ~~echometer~~, graphic recorder, hand lead, wire

Fathograms scaled by C. E. Strom & D. Wilson

Fathograms checked by C. E. Strom & D. Wilson

Protracted by V. F. Flor

Soundings penciled by V. F. Flor

Soundings in fathoms ~~feet~~ at ~~XXXX~~ MLLW and are based on a velocity of sound of 800 fms/sec.

REMARKS: Project 1347

U. S. GOVERNMENT PRINTING OFFICE 16—66520-1

MR

DESCRIPTIVE REPORT TO ACCOMPANY

HYDROGRAPHIC SURVEY H-8245 (FIELD NO. LJ-1355)

SHIPLEY BAY, S. E. ALASKA

SCALE 1:10,000 AUGUST & SEPTEMBER 1955

SHIP LESTER JONES, GEORGE A. NELSON, COMDG.

SURVEYED BY: GEORGE A. NELSON, CDR., C&GS
CHARLES W. CLARK, CDR., C&GS
PENTTI A. STARK, LT., C&GS

A. PROJECT:-

This survey is part of Project 1347 and was executed under Instructions for Project CS-347 as follows:

Supplemental Instructions dated 3 June 1953
Supplemental Instructions dated 28 December 1953
Supplemental Instructions dated 23 December 1954
Supplemental Instructions dated 25 January 1955

B. SURVEY LIMITS AND DATES:-

General Locality: East side of Sumner Strait, S. E. Alaska, west coast of Kosciusko Island, Shipley Bay.

The survey covers all of Shipley Bay and the approaches to the bay westward to Long. 133° 42' including the inshore area around Bluff Island and extending north to Lat. 56° 07'.

Field work began on 12 August 1955 and ended on 10 September 1955.

There are no junctions with prior surveys.

Junctions with contemporary surveys: H-8151 (1954-55) (LJ-1354), Scale 1:10,000 at the north limit of the sheet. H-8244 (1955) (LJ-1255), Scale 1:10,000 at the west limit of the sheet.

Field work progressed normally from start to finish except for minor delays caused by weather. On parts of several days hydrography was also done on other adjoining sheets.

C. VESSELS AND EQUIPMENT:-

All hydrography on this survey was accomplished with Launch 98 operating from the Ship LESTER JONES.

The Ship LESTER JONES was used for obtaining 25 bottom samples in deep water. This is "A" day vol. II

808 Fathometer No. 102-S was used for all launch hydrography except for detached lead-line soundings on rocks and shoals. Electric sounding machine No. 144 and sheave No. 390 were used for wire soundings while obtaining bottom samples with the ship.

D. TIDE AND CURRENT STATIONS:-

A portable automatic tide gage was operated at Shipley Bay, Lat. 56° 05.6', Long. 133° 30.9' and all tide reducers on this survey were obtained from this gage except on 19 August. During this period Sitka tides were used with a time difference of -15 minutes and a range ratio of 1.2.

No time or range corrections were made on Shipley Bay tides for any part of the survey.

There are no current stations within the limits of this survey.

E. SMOOTH SHEET:-

Not plotted by field party.

F. CONTROL STATIONS:-

The source of control is triangulation executed by J.M.H. in 1886, G.C.J. in 1937 and 1938 and by this party in 1955.

Topographic stations on the north side of the bay west of station VAN and on Bluff Island are mostly photo-hydro stations on T-9624, T-9626 and T-9627 (1955).

Topographic stations in the inner part of the bay east of Long. 133° 36' were located by plane table on graphic control sheet LJ-B-55 (Registry No.).

Topographic stations on the south side of the bay west of station FRAN were located by sextant fixes at the stations and/or sextant cuts from other shore stations. Stations INA, KIP, LIZ and OWN are also on T-9626.

Topographic station DIP was located by sextant fix and a traverse from the point of the fix (See H-8151).

Geographic positions were computed from fourth-order theodolite observations for topographic stations LAM and NOY. Fourth-order theodolite directions were observed on other topographic stations for which no positions were computed. (See Lists of Directions) Filed with fathograms.

No positions of stations are known to be of sub-standard accuracy.

G. SHORELINE AND TOPOGRAPHY:-

Shoreline and topographic details are from manuscripts ~~T-9624~~, T-9626
T-9624 does not fall within limits of this survey

T-9626(1955) Photography Aug 1953.
Field Inspec. 1955
Not reviewed as of date of verification

T-9627(1955) Photography Aug. 53
Field Inspec. 1953.
Not reviewed

and T-9627 compiled by photogrammetric methods based on 1955 field inspection data. There is a small amount of shoreline and detached rocks on graphic control sheet LJ-B-55* Location of some offshore rocks were duplicated by the hydrographer and others were located which are not on the manuscripts. Kelp areas defined by the hydrography should be given preference over those indicated on the manuscripts. Shoreline indicated by dashed line on the manuscripts is partially obscured by trees and shadows on photographs. It is essentially correct for charting as shown.

See PG Review

* pertinent data applied to smooth sheet - marked for destruction.

The low-water line was not defined by soundings except in limited areas of tide flats in small bays. A fringe of heavy kelp along shore and steep foreshore prevented sounding in to the low-water line. ✓

All stations outside the high water line are on rocks and islets. ✓

H. SOUNDINGS:-

All soundings on sounding lines were measured in fathoms with 808 fathometer No. 102-S. Soundings on some rocks and shoals were measured with a hand lead. Wire soundings were measured while obtaining bottom samples with the ship. ✓

All sounding was routine. No unusual methods were used and no unusual corrections were applied. ✓

Bar checks were taken daily when weather permitted to a depth of 10 fathoms. Bar checks were used for correction of soundings and are entered in the sounding records as part of a combined phase-draft correction. ✓

The fathometer initial was set on zero and any variation from this setting was entered in the sounding records as an index correction. ✓

Fathometer phase corrections were determined by readings made in air immediately prior to the field season and later verified in the field by sounding. Phasing heads were not changed during the season and phase corrections are entered in the sounding records as part of a combined phase-draft correction. ✓

I. CONTROL OF HYDROGRAPHY:-

All hydrography was controlled by visual sextant fixes on shore stations. No unusual methods were used. ✓

J. ADEQUACY OF SURVEY:-

The survey is considered complete and adequate to supersede all prior surveys of the area. ✓

All parts of the survey are equally reliable and comply with the Project Instructions and the Hydrographic Manual. ✓

There are 2 sndgs of 6¼ fm in this area from pos 19t to 20t.

Soundings of adjoining sheets transferred to the boat sheet indicate that junctions are satisfactory and depth curves can be adequately drawn.

There are no holidays.

K. CROSSLINES:-

Crosslines comprise about 5% of the regular system of sounding lines including splits.

Soundings on boat sheet indicate that crossings are generally in good agreement with differences not exceeding 1 to 2 fathoms.

L. COMPARISON WITH PRIOR SURVEYS:-

The only prior surveys of the area are H-1749 (1886), Scale 1:80,000 and H-1757 4 (1886), Scale 1:80,000. These surveys are reconnaissance surveys without positive horizontal control. Both horizontal and sounding datums are doubtful. No detailed comparison was made. See Paragraph M.

See IP5 of Review

M. COMPARISON WITH CHART:-

Comparison was made with Chart 8172, print date 6/16/52. Most of the soundings and features on Chart 8172 in the area of this survey are from H-1749 (1886) or H-1757 4 (1886). Because of datum differences soundings were transferred from Chart 8172 to the boat sheet and comparison was made with the chart. Since the chart is based on reconnaissance and incomplete surveys a detailed comparison is not made.

See IP6 of Review

Shoreline and topographic details are changed considerably from charted topography. Charted topography in the area of this survey is entirely superseded by ~~T-9624~~ not used T-9626 and T-9627 (1955).

The correct positions of charted soundings cannot be determined. Soundings transferred to the boat sheet by latitude and longitude are obviously incorrect. An attempt was made to transfer critical soundings to the boat sheet in relation to shoreline. Positions of transferred soundings are at best very doubtful. Most of the charted rocks and shoaler soundings are essentially verified but shifted considerably in position.

There is no indication of a sunken rock in the vicinity of Lat. 56° 05', Long. 133° 35'. The shoalest depth in this vicinity on this survey is 6 4 fms. at Lat. 56° 05.37', Long. 133° 35.44'. No kelp was observed on this shoal area at any time during the course of this survey.

It is recommended that all charted soundings and features be superseded by this survey in the common area.

4. DANGERS AND SHOALS:-

Depth - fms.	Latitude	Longitude	Position No.
1.8 8.1	56- 06.80	133 - 41.02	~~66d,67d,74d,174e~~ 34-35 b
2 (at SW end of large foul area	56 - 06.1	133 - 41.5	61g
Rock awash (In large foul area)	56 - 06.2	133 - 41.3 see verifier's notes	51-53g, T-9626
~~5.3~~ 5.4	56 - 05.8	133 - 41.08	~~88 & 89g~~ 130K, 90g
Foul area	56 - 04.5	133 - 42.0	See H-8244
0[4]	56 - 04.72	133 - 41.0	pos. 68-69l
Rock awash	56 - 04.93	133 - 40.5	T-9626
Rock (2)	56 - 05.218	133 - 40.35	T-9626
Rock	56 - 05.3	133 - 40.3	at INA, T-9626
Shoal area between 7 and 9			
10 9.9	56 - 05.45	133 - ~~40~~.39.9	124-125l (l)
11	56 - 06.0	133 - 39.2	71-72a, 64-65f, 70-71f, 4A
Alongshore shoal area between PHIL and PERK			
Rock awash (0)	56 - 05.656	133 - 39.03	1a (skiff vol.)
Foul area off station FAR			
Rock	56 - 06.125	133 - 37.5	T-9627
3.7	56 - 06.1	133 - 37.164	~~48a~~ 49s
1[1]1.6	56 - ~~06.0~~ 0597	133 - 37.53	43a
Rock awash (0)	56 - 06.10	133 - 37.14	35-37e
Rocks awash (11)	56 - 06.5~~07~~	133 - 37.2	T-9627
Rock awash (0)	56 - 06.0	133 - 37.02	32-34e
4.4	56 - 05.8	133 - 37.7	~~50s~~ 52s
Rocks (9)	56 - 05.8	133 - 37.3	T-9627
Rock awash (8)	56 - 05.~~8~~77	133 - 37.0	T-9627 159l
1 0.6	56 - 05.75	133 - 37.~~4~~35	63s 85-86f
8.7	56 - 05.50	133 - 37.72	190-191r
3.2	56 - 05.~~0~~5	133 - 36.8	69 & 70s
6.4	56 - 05.~~3~~44	133 - 35.~~4~~37	198-199r, ~~23-24n~~ 19-20f
5	56 - 05.64	133 - ~~35.0~~ 34.95	18s
10.3	56 - 05.~~5~~48	133 - 34.05	47-48k
3.4	56 - 05.~~3~~25	133 - 33.~~5~~44	~~34p~~ 25-26K
Rock awash (10)	56 - 04.9	133 - 34.3	T-9627 - pos. 6l
0	56 - 04.6	133 - 34.04	18p
Shoal area between BID and BAR			
Scattered rocks awash (9)	56 - 04.~~7~~68	133 - 34.02	T-9627
Rock awash (4)	56 - ~~05.0~~ 04.98	133 - 33.~~2~~15	T-9627 & LJ-B-55
Shoal area south of above			
Rock awash (11)	56 - 04.8	133 - ~~32.0~~ 31.96	LJ-B-55 & T9647
Rock awash (3)	56 - 04.~~9~~88	133 - 31.85	LJ-B-55
2	56 - 04.94	133 - 31.80	115p
4.2	56 - 05.23	133 - 31.20	8q
4 3.9 3.6	56 - 05.32 05.37	133 - 30.765 30.5	74-75h, ~~150-~~ ~~98-99n~~ 98-99n 151n
3.4	56 - 05.53	133 - 31.~~4~~39	6q
~~2~~ 1.7	56 - 05.6	133 - 31.2	~~2q~~ 102+103n, 2p
~~1/2~~ 0.7	56 - 05.6	133 - 31.0	5q

All charted dangers are superseded by this survey and no comparison is made.

Kelp was noted around all rocks and shoals in depths of 5 fms. or less west of Long. 133° 36'. East of Long. 133° 36' the only kelp noted was around rocks off stations WAY, SAL, MUD and BILL.

O. COAST PILOT INFORMATION:-

See "COAST PILOT NOTES - SHIP LESTER JONES - PROJECT 1347 - SEASON 1955".

The southeastern part of the bay is considered a good anchorage for ships of any size, in depths of 10 - 15 fms. with mud bottom.

During the survey the ship anchored in the southeastern part of the bay and at Lat. 56° 04.8', Long. 133° 34.8'. The latter is a fair anchorage for moderate sized vessels.

The launch was anchored on several week-ends at Lat. 56° 04.55', Long. 133° 33.6'. This is a good small craft anchorage but is difficult to enter at low tide. The small bay at Lat. 56° 04.6', Long. 133° 32.0' is a good small craft anchorage in depths of 1 to 3 fms., sand bottom.

There is no source of fresh water in the bay except in the several streams emptying into the bay.

Shipley Bay is seldom used by any vessels. The inner part of the bay is restricted to fishing. Very few fishing boats were seen in the outer part of the bay.

P. AIDS TO NAVIGATION:-

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

There are no bridges, overhead or submerged cables or ferry routes within the area of this survey.

Q. LANDMARKS FOR CHARTS:-

There are no landmarks for charts within the area of this survey except natural topographic features and none are recommended specifically as landmarks.

R. GEOGRAPHIC NAMES:-

No new geographic names are recommended.

S. SILTED AREAS:-

Considerable silting was noted in the easterly part of the bay and it is quite evident on fathograms.

Z. TABULATION OF APPLICABLE DATA:-

Forwarded to Seattle Processing Office with this report:

Boat Sheet LJ-1355
11 Sounding Volumes, Vols. 1 - 11 incl.
19 Fathograms - a day to t day, incl. and A day
Fourth-order geographic positions for topographic stations LAM and NOY
Tide data, - hourly heights, tide curves and list of tide reducers - for Shipley Bay tide gage
Graphic Control sheet LJ-B-55

Additional applicable data:
1937 triangulation data by G.C.J.
1955 triangulation data by G. A. Nelson forwarded to Washington Office 28 September 1955
Shoreline manuscripts T-9624, T-9626 and T-9627 compiled from 1955 field inspection data
Shipley Bay tide marigrams and tide level records forwarded to Washington Office 22 September 1955
"COAST PILOT NOTES - SHIP LESTER JONES - PROJECT 1347 - SEASON 1955" forwarded to Washington Office 15 November 1955
1955 magnetic data forwarded to Washington Office 28 Sept. 1955

Respectfully submitted

Charles W Clark

CHARLES W. CLARK
COMMANDER, C&GS

PHASE-DRAFT CORRECTIONS

Fathometer No. 102-S (Launch)

	A Scale	A-B	B Scale	B-C	C Scale	C-D	D Scale	D-E	E Scale
3/29/55, Vol. 7, LJ-1354		-2.01		-2.00		-0.00		+3.00	
9/7/55, Vol. 10, LJ-1355		-2.01							
		-2.01 (mean)		-2.00		-0.00		+3.00	
Phase Correction			-2.01		-4.01		-4.01		-1.01
Draft Correction*	+0.2		+0.2		+0.2		+0.2		+0.2
Total Correction	+0.2		-1.8		-3.8		-3.8		-0.8

*Draft Correction From Bar Checks on A Scale

Fathometer No. 75 (Ship)

	A Scale	A-B	B Scale	B-C	C Scale	C-D	D Scale	D-E	E Scale
3/29/55, Vol. 7, LJ-1354		+0.02		+0.18		+0.86		+4.25	
9/10/55, Vol. 11, LJ-1355		+0.09		+0.26					
9/19/55, Vol. 7, LJ-1255						+0.26		+4.04	
		+0.06 (mean)		+0.22		+0.56		+4.14	
Phase Correction			+0.06		+0.28		+0.84		+4.98
Draft Correction*	+0.33		+0.33		+0.33		+0.33		+0.33
	+0.3		+0.4		+0.6		+1.2		+5.3

*From Descriptive Reports, 1954 (H-8150)

Draft Corrections

Draft	Initial	Diff.
1.33 fms	1.0	+0.33

STATISTICS FOR
HYDROGRAPHIC SURVEY H-8245 (1955)

SHIP LESTER JONES

PROJECT 1347

Date	Vols.	Day Letter	No. H.L. or Wire Sdgs.	No. of Positions	Stat. Miles Sdg. Lines
			Skiff		
6/20/55	1	a	- -	1	- -
			Launch 98		
8/12/55	1	a	- -	109	18.2
8/15/55	1 & 2	b	- -	182	29.4
8/17/55	2	c	- -	224	33.4
8/18/55	3	d	- -	205	25.1
8/19/55	3 & 4	e	- -	182	27.7
8/22/55	4	f	- -	107	16.2
8/23/55	4 & 5	g	8	156	21.2
8/24/55	5	h	- -	87	17.5
8/25/55	5 & 6	j	- -	70	15.2
8/26/55	6	k	- -	182	30.8
8/29/55	6 & 7	l	- -	199	26.7
8/30/55	7 & 8	m	- -	196	27.5
8/31/55	8	n	- -	176	23.3
9/1/55	8 & 9	p	3	128	16.8
9/2/55	9	q	1	16	- -
9/6/55	9	r	- -	201	25.7
9/7/55	10	s	12	120	11.4
9/8/55	10 & 11	t	- -	194	24.3
	Total Launch 98		24	2734	390.4
			SHIP LESTER JONES		
9/10/55	11	A	25	25	- -
	Totals for sheet		49	2760	390.4
	Area 12.6 sq. stat. miles				

TIDE NOTE
TO ACCOMPANY
HYDROGRAPHIC SURVEY H-8245 (FIELD NO. LJ-1355)

Tide reducers on this survey were obtained from tide data from a portable automatic tide gage maintained by the Ship LESTER JONES at Shipley Bay, Lat. 56° 05.6', Long. 133° 30.9'.

On 19 August Shipley Bay gage was not in operation. During this period Sitka tides were used with a time difference of -15 minutes and a range ratio of 1.2. (Ltr. from Washington Office - Subj. Tide Data, dated 14 October 1955, ref. 36-161-9821.)

No time or range corrections were necessary on Shipley Bay tides for any part of this survey.

Hourly heights for Sitka were furnished by the Washington Office.

Plane of MLLW on Shipley Bay tide staff equals 6.0 feet.

APPROVAL SHEET

HYDROGRAPHIC SURVEY H-8245 (FIELD NO. LJ-1355)

Field work was accomplished under the personal supervision of the Chief of Party. The boat sheet was examined daily.

The survey is complete and adequate and all records, exclusive of the smooth sheet, are approved.

No further field work is recommended.

George A. Nelson

GEORGE A. NELSON
COMMANDER, C&GS
Chief of Party

PROCESSING OFFICE NOTES H 8245

SMOOTH SHEET

The smooth sheet was hand constructed by the Seattle Hydrographic Processing Unit using standard methods of construction and checking.

CONTROL STATIONS

Topographic stations LAM and NOY, mentioned in the Field Report, were transferred from T-9626 to the smooth sheet.

SHORELINE & TOPOGRAPHY

From same source as the boat sheet. (T-9626 + T-9627 of 1953-54 (unreviewed)

ADEQUACY OF SURVEY

This survey is considered complete and adequate for charting.

Junctions with contemporary surveys H-8151 (1954-55) and H-8244 (1955) have been compared and are satisfactory. The depth curves can be adequately drawn at the junctions. see verifiers notes.

COMPARISON WITH PRIOR SURVEYS

No comparison made. See Field Report.

COMPARISON WITH CHART

Comparison has been made with Chart 8172, 3rd Ed. Revised 9/1/58 and was found to be in agreement except for minor depth curve changes and one sounding. The charted 2-fathom sounding at Lat. 56°05'57 Long. 133°31'21 is plotted on the smooth sheet at 1.7 fathoms, position 2q. See IPG of Review

DANGERS AND SHOAL

Corrections have been made to the Field Report where necessary.

Respectfully submitted,

William M. Martin
WILLIAM M. MARTIN
SUPERVISORY CARTOGRAPHER

APPROVED & FORWARDED:

G. C. Mast
G. C. MAST
CAPT C&GS
SEATTLE DISTRICT OFFICER

GEOGRAPHIC NAMES PENCILED ON H-8245

BLUFF ISLAND

KOSCIUSKO I.

SHIPLEY BAY

SUMNER STRAIT

FORM 197
(3-16-55)

GEOGRAPHIC NAMES

Survey No. H-8245

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	
Southeast Alaska			(Title)							1
Kosciusko Island										2
Shipley Bay			(Tide Station)							3
Ruins Point										4
Sumner Strait										5
Bluff Island										6
			Names approved 5-25-59							7
Tide station off sheet					L. Heck					8
Sitka									BG N	9
										10
										11
										12
										13
										14
										15
										16
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										25
										26
										27

RHC

Form 712
(11-30-55)

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

TIDE NOTE FOR HYDROGRAPHIC SHEET

Chart Division: R. H. Carstens 10 June 1959

Plane of reference approved in
11 volumes of sounding records for

HYDROGRAPHIC SHEET 8245

Locality Shipley Bay, Alaska

Chief of Party: G. A. Nelson in 1955

Plane of reference is mean lower low water, reading

6.0 ft. on tide staff at Shipley Bay

13.1 ft. below B.M. 1 (1955)

Height of mean high water above plane of reference is 10.9 feet.

Condition of records satisfactory except as noted below:

William Shofnos
Signature
Chief, Tides Branch

Comm-DC 34330

OFFICE OF CARTOGRAPHY

REVIEW SECTION -- NAUTICAL CHART DIVISION

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-8245 FIELD NO. LJ-1355

S. E. Alaska, Sumner Strait, Shipley Bay

SURVEYED: Aug.- Sept. 1955 SCALE 1:10,000

PROJECT NO. 1347

SOUNDINGS: 808 Depth Recorder
Leadline
Wire Soundings

CONTROL: Sextant fixes on shore signals

Chief of Party ---------- G. A. Nelson
Surveyed by ---------- G. A. Nelson, C. W. Clark, P.A. Stark
Protracted by ---------- V. F. Flor
Soundings plotted by ---------- V. F. Flor
Verified and inked by ---------- J. T. Gallahan
Reviewed by ---------- I. M. Zeskind Date: 6/24/60
Inspected by ---------- R. H. Carstens

1. Shoreline and Control

The shoreline originates with unreviewed air-photographic surveys T-9626 and T-9627 of 1953-55, supplemented by ledges and rocks from T-6589 of 1937.

The source of the control is given in the Descriptive Report.

2. Sounding Line Crossings

Depths at crossings are in adequate agreement.

3. Depth Curves and Bottom Configuration

The usual depth curves were adequately delineated except in depths less than 5 fms. where the foul character of the bottom sometimes prevented development to the low-water line.

The bottom is very irregular. Submarine features such as ledges, reefs, shoals, pinnacles, ridges and deeps contribute to the bottom irregularity.

4. Junctions with Contemporary Surveys

An adequate junction was effected with H-8244 (1955)on the west. The junction with H-8151 (1954-55) on the north will

be considered in the review of that survey.

5. Comparison with Prior Surveys

H-1749 (1886), 1-80,000
H-1753 (1886), 1-80,000
H-1754 (1886), 1-80,000

These small-scale reconnaissance surveys cover the area of the present survey. A comparison of the few soundings appearing on the prior surveys with those of the present survey are of little cartographic value.

The present survey is adequate to supersede the prior surveys within the common area.

6. Comparison with Chart 8172 (Latest print date 9/1/58)

A. Hydrography

The charted hydrography originates with the boat sheet of the present survey (Bp 52872), and with several soundings which are retained from the prior surveys and which are not in agreement with present depths. Examples of these differences occur in lat. 56°06.72', long. 133°40.46' where a charted 22 fm. sounding falls in present depths of 39-40 fms. and in lat. 56°05.66', long. 133°35.44', where a charted 29 fm. sounding falls in present depths of 23 fms.

The above-mentioned charted soundings are adequately superseded by present depths. Attention is specifically directed to the following differences between the charted and present survey depths:

1. The 19-fm. sounding charted in lat. 56°05.67', long. 133°33.55' from the boat sheet (Bp 52872) of the present survey is erroneous. The sounding on the boat sheet should have been 29 fms.

2. The 1½-fm. sounding charted in lat. 56°05.99', long. 133°41.10', from the present survey prior to verification and review was revised to 3 fms. The charted 1½-fm. sounding should be deleted from the chart.

3. The 6-fm. sounding charted in lat. 56°05.83', long. 133°40.55', from the boat sheet (Bp. 52872) of the present survey is erroneous. The sounding on the boat sheet is actually 16 fms. However, the 16-fm. sounding is not shown on the smooth sheet because other plotted soundings there adequately delineate the bottom.

REVISED REPORT (Comp'l Chart 8172)

The following reefs and rocks transferred to the smooth sheet of the present survey from the advance manuscript of air-photographic survey T-9627 (1953-55) have not been charted:

Object	Location Latitude	Longitude
Reef	56°04.73'	133°32.71'
Bare Rk	56°04.71'	133°32.63'
Reef	56°04.5'	133°32.1'
Rock awash	56°04.51'	133°33.67'
2 Bare Rks	56°05.0'	133°39.63'

The reef shown on the present survey in lat. 56°04.54', long. 133°30.83' originates with the boat sheet. The reef has not been charted.

The following bare rocks charted from incomplete air-photographic survey T-9627 (1937) were revised on the advance manuscript of this survey as indicated:

Location Latitude	Longitude	Revised to:
56°05.42'	133°30.22'	Rk awash
56°05.53'	133°30.75'	Rk awash
56°05.67'	133°30.89'	Rk awash
56°06.38'	133°37.75'	Reef
56°06.45'	133°38.08'	Reef
56°06.25'	133°37.50'	Reef

The chart should be corrected to comply with the above revisions.

The following charted rocks originating with incomplete air-photographic survey T-9627 (1953-55) are not shown on the advance manuscript of T-9627 or on the present survey. These rocks are considered discredited by hydrography on the present survey and should, therefore, be deleted from the chart.

Object	Location Latitude	Longitude
Rock awash	56°05.15'	133°38.50'
Bare Rk	56°05.65'	133°30.86'
2 rocks awash	56°06.60'	133°38.10'
Rock awash	56°05.12'	133°38.70'

CH-9172

REVIEW REPORT

The sunken rock charted in lat. 56°04.55', long. 133°33.67', originates with a zero depth on the boat sheet of the present survey (Bp 52872). This depth was revised to 0.6 fm. during verification and review of the present survey. The sunken rock symbol should be deleted from the chart and 0.6 fm. charted instead.

The small island charted in lat. 56°06.34', long. 133°37.55', from incomplete air-photographic survey T-9627 (1953-55) is shown on the advance manuscript of T-9627 as part of the larger island to the westward. The chart should be revised to agree with the advance manuscript.

The land spur charted in lat. 56°04.95', long. 133°36.27' from incomplete air-photographic survey T-9627 (1953-55) was revised on the advance manuscript of survey T-9627 to a detached island. The chart should be revised to agree with the advance manuscript.

The present survey is adequate to supersede the charted hydrography within the common area.

7. Condition of Survey

A. The sounding records and Descriptive Report are complete and comprehensive.

B. The smooth plotting was accurately done, except that a number of soundings at odd intervals were added to the sounding volumes from the fathograms in order to better delineate the bottom.

8. Compliance with Project Instructions

The survey adequately complies with the Project Instructions.

9. Additional Field Work Recommended

The survey is considered basic and no additional field work is recommended.

Examined and Approved:

Chief,
Nautical Chart Division

10/27/60

Projects Officer,
Operations Division

Assistant Director
Office of Cartography

Assistant Director
Office of Oceanography

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8245

Records accompanying survey:

Boat sheets 1; sounding vols. 11; wire drag vols. .....;

bomb vols. .....; graphic recorder rolls 6-Envelopes

special reports, etc. 1-Smooth sheet, 1- Descriptive report and

1-Graphic Control sheet LJ-[redacted] B-55.

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

Number of positions on sheet		2760
Number of positions checked		120
Number of positions revised		3
Number of soundings revised (refers to depth only)		66
Number of soundings erroneously spaced		✓
Number of signals erroneously plotted or transferred		✓
Topographic details	Time	20
Junctions	Time	25
Verification of soundings from graphic record	Time	25

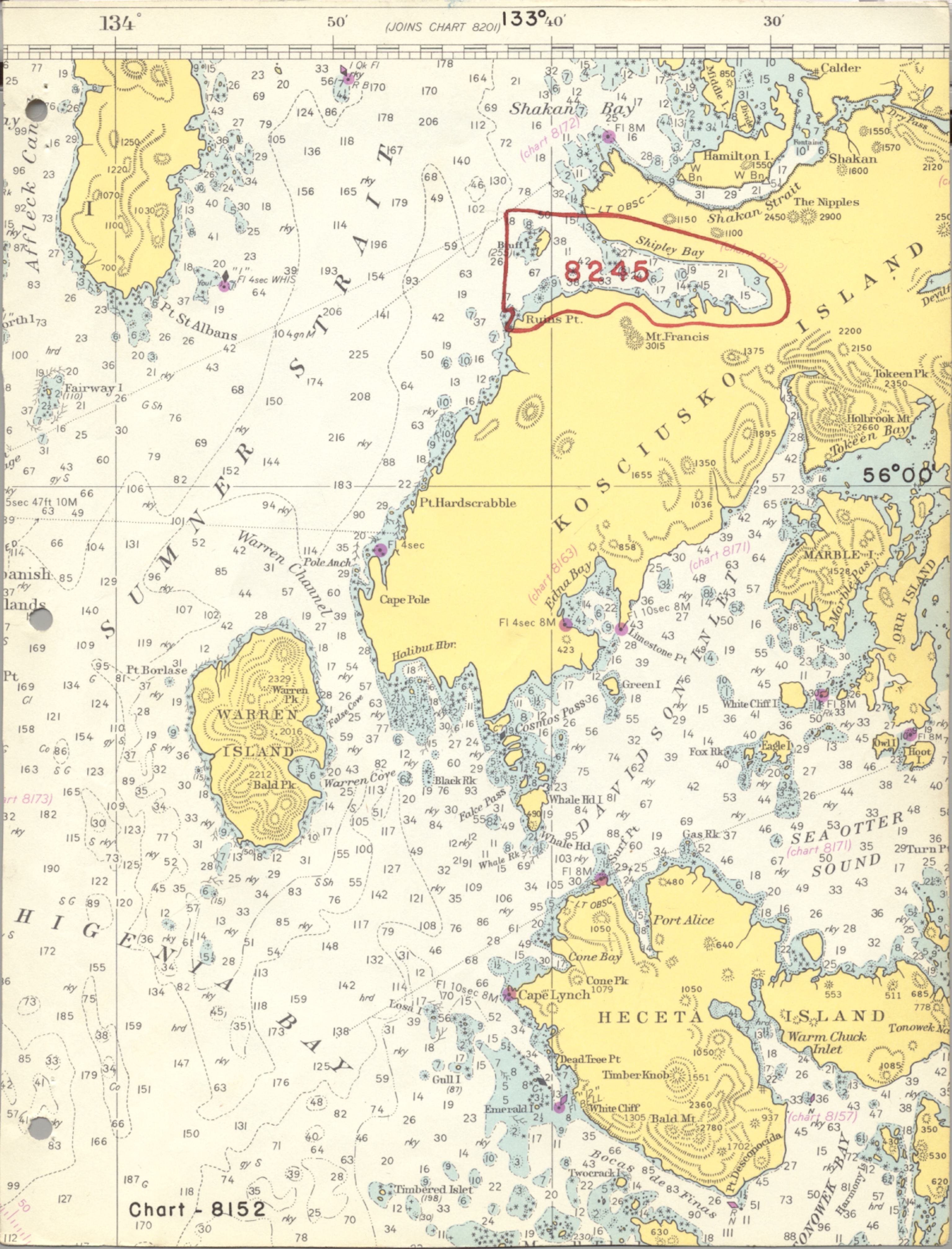
Verification by John T. Gallahan. Total time 580. Date 5/31/60

Reviewed by [signature] Time 53 Date 6-24-60

M-2232-1

H8245 (1955) 1:10,000
H8244 (1955) 1:10,000
H8151 (1954-55) 1:10,000
T9626 (1955) 1:10,000
T9627 (1955) 1:10,000

Previous surveys H1749 (1886) & H-1757 (1886) this was reconnaissance type surveys with no positive horizontal control — acc per. M.


134°
50′
(JOINS CHART 8201)
133°
40′
30′
Calder
Shakan Bay
Hamilton I.
Shakan
The Nipples
Shakan Strait
Shipley Bay
8245
Bluff I.
Ruins Pt.
Mt.Francis
Tokeen Pk
Holbrook Mt
Tokeen Bay
56°00′
KOSCIUSKO ISLAND
SUMNER STRAIT
Pt St Albans
Fairway I
Pt.Hardscrabble
Pole Anch
Cape Pole
Warren Channel
Edna Bay
Limestone Pt
Halibut Hbr.
Pt Borlase
Warren Pk
WARREN ISLAND
Bald Pk
False Cove
Warren Cove
Cosmos Pass
Green I
MARBLE I.
Marble Pas
ORR ISLAND
White Cliff I.
Eagle I
Owl I
Hoot I.
Fox Rk
Black Rk
Fake Pass
Whale Hd I
Whale Hd
Whale Rk
Surf Pt
Gas Rk
DAVIDSON INLET
SEA OTTER SOUND
Turn Pt
Port Alice
Cone Bay
Cone Pk
Cape Lynch
Losa I
HECETA ISLAND
Warm Chuck Inlet
Tonowek Na
Dead Tree Pt
Timber Knob
Gull I
Emerald I
White Cliff
Bald Mt
Pt.Desconocida
Bocas de Finas
Twocrack I
Timbered Islet
TONOWEK BAY
Harmony Is
IPHIGENIA BAY
Affleck Canal
Spanish Islands
(chart 8172)
(chart 8163)
(chart 8171)
(chart 8173)
(chart 8157)
Chart - 8152

NAUTICAL CHARTS BRANCH

SURVEY NO. H-8245

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
5/11/59	8201	M. Rogers	Examined direct to chart Before ~~After~~ Verification and Review (Added a few soundings.)
5/15/59	8172	M. Rogers	Examined Before ~~After~~ Verification and Review - minor revisions
10-24-60	8152	R.E. Elkins	Before ~~After~~ Verification and Review Partly applied thru chart 8172 dwg #6.
3/13/61	8201	J. Heaton	Fully appl'd direct to chart. ~~Before~~ After Verification and Review
14 Mar 61	8002	E M Brogowje	~~Before~~ After Verification and Review ~~No hydro at this scale~~, consider as completely appd. JRK 4-20-61
6/29/64	8172	G.R. Johnson	~~Before~~ After Verification and Review Fully Applied
12/14/64	8152	G.K. Myers	~~Before~~ After Verification and Review, Comp appd thru cht 8172 dwg #7.
12/14/64	8201	G.K. Myers	~~Before~~ After Verification and Review Comp. appd thru cht 8172 dwg #7.
2-26-79	17386	O. Stembel	~~Before~~ After Verification and Review (new chart)
8/27/80	17387 (8172)	Kanis	Full Application ~~Before~~ After Verification and Review, Signature. Reapplied thru 17386 + in conjunction with completed T-Sheets (T-9626, 9627, & 9628)

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.