8383

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-1157 Office No. H-8383

LOCALITY

State Alaska

General locality Clarence Strait

Locality Eastern Shore, Prince of Wales Island

1957

CHIEF OF PARTY

E. B. Brown

LIBRARY & ARCHIVES

DATE October 1959

USCOMM-DC 37022-P66

8383

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-8383

Field No. LJ-1157

State ALASKA

General locality CLARENCE STRAIT

Locality EASTERN SHORE, PRINCE OF WALES, I$.

Scale 1:10,000 Date of survey 8 Aug. - 10 Sept. 1957

Instructions dated 2 OCTOBER 1956

Vessel LAUNCH 88, SHIP LESTER JONES

Chief of party E. B. BROWN

Surveyed by L. G. TAYLOR

Soundings taken by fathometer, graphic recorder, hand lead, wire 8085

Fathograms scaled by SHIP PERSONNEL

Fathograms checked by SHIP PERSONNEL

Protracted by J. K. Richards & L. C. Haverkamp

Soundings penciled by V. F. Flor

Soundings in fathoms ~~feet~~ at MLW MLLW and based on a velocity

REMARKS: of sound of 800 fms/sec.

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

DESCRIPTIVE REPORT TO ACCOMPANY
HYDROGRAPHIC SURVEY H-8383
FIELD NO. LJ-1157 SCALE 1:10.000
E. B. BROWN, CHIEF OF PARTY USC&GSS LESTER JONES

A. Project No. 13810, Instructions dated 2 October, 1956.

B. Survey Limits: The western shore of Clarence strait between Kendrick Bay and Ingraham Bay on Prince of Wales Island. Survey Junctions with H-8384 to the north and H-8382 to the East. Field work began on 8 Aug '57 and ended on 10 Sept '57. ✓

C. Vessel & Equipment: Launch #88 was used throughout. Base of operations was from camp at Ingraham Bay and from Ship based at Hidden Bay. ✓

D. Tide & Current Stations: Portable automatic tide gage at Ingraham Bay was used without correction for reducing soundings. ✓
Within limit of sheet but beyond survey limit.

E. (Processing Office)

F. Control Stations:
1. Triangulation stations: Chief of Party Ferdinand Westdahl 1912. ✓
2. Topographic Stations from T-10538, T-10539, T-10540, T-11526. All Hydrographic control stations were located using photogrammetric methods. ✓

G. Shore line & Topography: Shoreline and topographic detail from map manuscripts listed in F-2 above. HWL indicated on map manuscripts T-11526 and T-10538 by dashed line was revised using planetable methods on sheet LJ-A-57. ← Inked in red or inked solid black on smooth sheet

The following changes in topographic detail recorded in Hydrographic volumes are listed below:

POS No	G.P.	REMARKS
~~3~~a (blue) This G.P. locates pos. 3"a"(blue) vol. 1, p. 6	54 - 54.27	also see pos. 4 (blue) vol. 5, p. 39 Rock awash to replace Topo location indicated
4	131 - 58.42	140 (red)
Pos. 4"a" (blue) is 1½ miles North of pos. 3"a" (blue)		Pos 4a (blue)
5a (blue) and 7-a" (blue) vol. 1, p. 7	54 - 55.56	Investigation to disprove rock shown on manuscript.
	131 - 58.04 65	
132 h ✓	54 - 55.06 57 ✓	Investigation to disprove rock awash from manuscript.
	131 59.33 ✓	
75h - 78h ✓ sect. "N" this report	54 - 57.1 05 ✓	Investigation to disprove rocks awash from manuscript. T-10538
	131 - 58.4 ✓	

T-10540

Steep rocky slopes prevented defining the LWL in many areas. Numerous notes in the sounding volumes indicate the character of the beach when HWL and LWL coincide.

H. Soundings: Soundings were taken with portable depth recorder (808 Fath. No's 102-S) and hand lead soundings during investigations of least depths.

I. Control of Hydrography: Standard methods of Sextant Fixes on previously located control points was used throughout.

J. Adequacy of Survey: Survey is satisfactory to supersede prior surveys for charting.

K. Crosslines: Crosslines were run 8% of regular lines (Discrepancies Processing Office)

L. Comparison with Prior Surveys: (Processing Office)

M. Comparison with Chart: (Processing Office)

N. Dangers & Shoals: No uncharted dangers were found in the area. Shoals which required investigation are listed below:

POS NO	G.P.	DEPTH	REMARKS
3a (blue)	54 - 54.27	0.0	To replace Topo location of Rock awash. T-10540 New position
15K, 17K (lower case)	55 - 54.54	8.6	Investigation to locate least depth.
	131 - 58.05		
95f	54 - 54.63	1.0	Investigation to locate least depth.
	131 - 58.18		
107f-112f	54 - 54.83	2.0	Investigation to locate least depth.
	131 - 58.37		
62d-63d	54 - 54.82	0.6	Investigation to locate least depth.
	131 - 58.30		
209h-218h	54 - 54.84	6.2	Investigation to locate least depth on 11 fathoms sounding from old Survey. source: H-3390 (1912)
	131 - 57.80		
68j-72j	54 - 54.98	11.9	Investigation to locate least depth. Investigating charted 17 fathoms shown on preliminary review. source: H-4200 (1921)
	131 - 57.73		
18k	54 - 54.85	7.6	Investigation to locate least depth.
	131 - 58.15		
219h-220h	54 - 54.96	4.6	Investigation to locate least depth.
	131 - 58.30		
221h 86-87 "f"	54 - 55.06	3.5 3.4	Investigation to locate least depth. Sunken rock shown on old Survey. H-4200 (1921)
	131 - 58.22		
4a (blue)	54 - 55.12	3.9	To replace Topo location of rock awash. ~~Rock lies approx. 100 meters south.~~ T-10540 New position
	131 - 58.03		

N. Dangers & Shoals (Continued)

POS NO	G.P.	DEPTH	REMARKS
~~39f-69f~~ ? 152-153 "b"	54 - 55.38 ✓ 131 - 57.75 ✓	5.0 &	~~Shoal Development Investigation.~~ PEAK ON LINE
✓40f-44f	54 - 55.45 ✓ 131 - 57.70 ✓	5.0 ✓	Investigation to locate ✓ least depth.
✓38f-39f	54 - 55.48 ✓ 131 - 57.55 ✓	7.6 ✓	Investigation to locate ✓ least depth.
✓32f-37f	54 - 55.54 ✓ 131 - 57.77 ✓	5.7 ✓	Investigation to locate ✓ least depth.
✓5a (blue)	54 - 55.54 ✓ 131 - 58.04 56	7² from pos. 155-156 "h", vol. 6, p. 64	To disprove topo location rock awash. T-10540 (see keyed delineation)
✓6a-7a (blue)	54 - 55.05 58 131 - 58.10 60	0.7 ✓	To check topo location rock awash. T-10540 * disproved
✓132h	54 - 55.87 56 131 - 59.83 32	4.0 ✓	To disprove topo location rock awash. T-10540
✓~~65j-67j~~ ✓71b-72b	54 - 55.92 ✓ 131 - 57.71 ✓	5.1 ✓ 4.9 ✓	Investigation to locate ✓ least depth.
✓~~20e-21e~~ ✓161-162b	54 - 56.04 ✓ 131 - 57.92 ✓	3.8 ✓	Investigation to locate ✓ least depth.
62"a" ~~17f-20f~~ 19"f" + ½ out 62a-63a ✓	54 - 56.70 33 131 - 57.[illegible] 62 (approx. both pos.)	7.5 ✓ 6.3 ✓	Investigation to determine ✓ least depth. Peak on line 62-63 "a"
✓21f-26f	54 - 56.31 33 131 - 57.80 87	1.2 ✓	Investigation to locate ✓ least depth.
✓8f-16f	54 - 56.44 ✓ 131 - 57.65 ✓	6.6 ✓	Investigation to locate ✓ least depth. only one set of soundings
✓9a-11a (blue)	54 - 56.85 36 ✓ 131 - 57.98 00 ✓	0.4 ✓	Investigation to check topo location of rock awash. T-10538
✓24e-25e ✓	54 - 56.77 28 ✓ 131 - 58.52 ✓	1.0 ✓	Investigation to locate ✓ least depth.
✓39j-43j	54 - 56.73 ✓ 131 - 59.70 68 ✓	5.1 ✓ 4.9	Investigation to locate ✓ least depth.
✓85h-87h	54 - 57.05 ✓ 131 - 58.75 25	0.4 ✓	Investigation to locate ✓ least depth. Topo * disproved
✓75h-78h	54 - 57.04 ✓ 131 - 58.45 ✓	Sect. "G" this report 9.0	Investigation to disprove topo location rock awash. T-10538
✓14b-15b	54 - 57.25 76 131 - 57.95 3	6.6	Investigation to locate least depth ~~out~~ and shoal ✓ from sheet 1257, H-8385 LJ

O. Coast Pilot Information: List of Anchorages used by ship during the survey:

LOCATION	DEPTH	BOTTOM	REMARKS
54 - 54.30 47 ✓ 131 - 58.40 38 ✓	20 Fathoms ✓	hrd ✓	Fair Anchorage
54 - 55.45 ✓ 131 - 58.40 ✓	15 Fathoms ✓	hrd ✓	Poor Anchorage because of current and bottom.
54 - 56.60 ✓ 131 - 59.60 ✓	19 Fathoms ✓	ors ✓ gy S ✓	Very good anchorage. Entrance channel is narrow with strong currents during certain stages of the tide.

During the salmon fishing season fish traps extending from the beach, as indicated on the boat sheet, are maintained at the northern entrance to Kendrick Bay and at Scott Point. These traps are removed from these locations at the end of the fishing season.

P. Aids to Navigation: No Aids to Navigation are located in the Surveyed area.

Q. Landmarks for Charts: No Landmarks are within the Surveyed area.

R. Geographic Names: No Changes to Existing Geographic Names.

S-Y. Not Applicable

Z. Tabulation of Data: See Pages 5 & 6 of this report.
(List of signals put in Vol. I)

Respectfully submitted,

Lorne G. Taylor

LORNE G. TAYLOR, LCDR., C&GS

Form 537a

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

REGISTRY No. .....

Field No. LJ -A - 57

Scale 1:10,000

State S.E. Alaska General locality Prince of Wales Island

Specific locality Hidden Bay

Dates: Survey began 16 Aug. 1957 Completed 17 Aug. 1957

Photography ....., Supplemented by ground surveys to .....

Project No. 13810 Instructions dated 2 October 1956

Vessel / Party } or LESTER JONES Chief of party E. B. BROWN

Field work by A. J. LEWIS Office work by A. J. LEWIS

Final inking by A. J. LEWIS

Ground elevations / Treetop elevations } in feet above { M. H. W. / or / .....

Contours / Approximate contours / Form lines } by { Planetable / Multiplex / ..... } Interval ..... ft.

REMARKS This sheet was used to define portions of HWL which had been dashed on manuscript. Portions shown near Os NEO, ODD to SAM WEN, VAL and opposite side of Bay, off GAG to YAK were applied to H-8383 where significant. Planetable sheet destroyed

PROCESSING OFFICE NOTES H-8383

TIDE AND CURRENT STATIONS

No Tide Note was sent the Processing Office with the Field Report and no information is available as to the MLLW elevation on the staff. The gage was located at Lat. 54° 58'.70, Long. 131° 59'.78.

SMOOTH SHEET

The smooth sheet projection was hand constructed by the Seattle Hydrographic Processing Unit using standard methods of construction and checking. The shoreline and signals were transferred by ship's officers and presumably checked by them. Signals and shoreline were rechecked by the Processing Unit. The signals were in agreement but a couple bad discrepancies were found in the shoreline and corrected. The positions were plotted and inked and numbered by ship's officers, soundings penciled by the Processing Unit.

SHORELINE AND TOPOGRAPHY

In addition to the changes of topographic detail listed in the Field Report, there are several other changes in rocks as noted below:

			This survey
Lat.	54° 56'.16		
Long.	131 58 .25	Pos. 6-7e	10-11 fms
Lat.	54 56 .14		
Long.	131 58 .20	Pos. 5-6c (cannot be "c")	7-10 fms (may mean "e" day)
Lat.	54 54 .82		
Long.	131 58 .35	Pos. 97f (also see pos 111 "f")	6.2 fms
Lat.	54 54 .78		
Long.	131 58 .41	Pos. 116-117f (see 56-57 "d")	2.3 fms
Lat.	54 55 .33		
Long.	131 58 .78	Ps. 108-109h 3 rks	4.0, 1.7 & 3.2 fms

Page one of Field Report under this heading has been checked.

ADEQUACY OF SURVEY

The survey is considered complete and adequate for charting.

Junctions have not been compared. No prints of prior surveys are available in the Processing Office. The junction with H-8384 will be compared when that survey has been smooth plotted.

COMPARISON WITH PRIOR SURVEYS

No comparison was made with prior surveys, none being available in the Processing Office See Review

COMPARISON WITH CHART

This survey has been compared with Chart 8102, 6th Ed. Revised 1/26/59. An accurate comparison between the survey and the chart is not feasible because of the large difference in scale.
Reviewer's compatison with charts # 8086 and 8145

In the channel entrance to Hidden Bay the chart shows a depth of 5 fathoms. This is not verified by the smooth sheet, which has a controlling depth of ~~1.6~~ 4.4 fms. However channel is constricted by dangers covered by 1 fm. and greater.

A charted 17 fm sounding at Lat. 54° 55'.0, Long. 131° 57'.7 falls very close to a 12 fm. sounding on the smooth sheet. Also there is a 6.2 fm. sounding, bearing S 15° ~~E~~ W 300 meters from the above mentioned 12 fms. Other charted soundings and rocks appear to be in satisfactory agreement.

DANGERS AND SHOALS

A rather complete list of shoals was compiled by the hydrographer. Corrections and additions to this have been made in ink for the smooth sheet values.

Several items usually contained in the reports were not forwarded to the Processing Office. They are the Tide Note, the Velocity and Phase Correction Abstracts, the Approval Sheet and the Statistics. The latter tabulation was compiled in the Processing Office and is included with this report. Not enough information was available to complete the other items.
Also, T-10540 was not available to the reviewer

Respectfully submitted,

William M. Martin

WILLIAM M. MARTIN
Supervisory Cartographer

APPROVED AND FORWARDED

G. C. Mast

G. C. MAST, CAPTAIN, C&GS
SEATTLE DISTRICT OFFICER

STATISTICS FOR HYDROGRAPHIC SURVEY H-8383 (1957)
Ship LESTER JONES Project 13810

DAY	VOL.	DATE	H. L. SNDG	POS.	STAT. M.
Skiff					
a	1	14 June	10	12	
Launch No. 188					
a	2	8 Aug		208	36.6
b	2&3	14 Aug	6	175	19.7
c	3	15 Aug	6	157	14.6
d	3&4	16 Aug	1	229	24.7
e	4	19 Aug	1	116	12.7
f	5	20 Aug		174	13.6
g	5&6	21 Aug	1	238	28.1
h	6&7	23 Aug	1	222	23.6
j	7	24 Aug		72	6.3
k	7	26 Aug	1	31	2.5
Totals for Launch No. 188			17	1622	182.4
Totals for sheet			27	1634	182.4

GEOGRAPHIC NAMES PENCILED ON H-8383

CLARENCE STRAIT

HIDDEN BAY

PRINCE OF WALES ISLAND

SCOTT POINT

FORM 197
(3-16-55)

GEOGRAPHIC NAMES

Survey No. H-8383

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	
Alaska		(title)								1
Clarence Strait										2
Prince of Wales Island										3
Hidden Bay										4
Scott Point										5
Ingraham Bay		(tide station)								6
					Names approved 10-27-59 L. Heck					7
										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8383

Records accompanying survey:

Boat sheets 1 Destroyed 3/26/70; sounding vols. 7; wire drag vols. .....;

bomb vols. .....; graphic recorder rolls 2-Envelope

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

.....

The following statistics will be submitted with the cartographer's report on the sheet:		verif.	Review
Number of positions on sheet		1634	24
Number of positions checked		264	
Number of positions revised		0	0
Number of soundings revised (refers to depth only)		0	0
Number of soundings erroneously spaced		0	0
Number of signals erroneously plotted or transferred		0	0
Topographic details	Time	8	1
Junctions	Time	16	3
Verification of soundings from graphic record	Time	4	1

Verification by J. K. Chambers Total time 301 Date 8/22/60

Reviewed by S. Rose Time 120 hrs. Date 8-13-'69

Rough verification due to inexperience, corrected by reviewer; [approx. 40 hrs.]

M-2232-1

4.55.

Form 712
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. Apr. 1950

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Coast and Surveys~~ 3 Nov. 1959

Division of Charts: R. H. Carstens

Plane of reference approved in
7 volumes of sounding records for

HYDROGRAPHIC SHEET 8383

Locality Clarence Strait, Alaska

Chief of Party: E. B. Brown in 1957
Plane of reference is mean lower low water, reading
5.8 ft. on tide staff at Ingraham Bay
19.3 ft. below B. M. 2 (1957)

Height of mean high water above plane of reference is 13.5 feet.

Condition of records satisfactory except as noted below:

William Shafer
Tides Branch
Chief, ~~Division of Tides and Currents~~

U. S. GOVERNMENT PRINTING OFFICE 877983

OFFICE OF HYDROGRAPHY AND OCEANOGRAPHY

MARINE CHART DIVISION

HYDROGRAPHIC SURVEY REVIEW

REGISTRY NO. H-8383 FIELD NO. LJ-1157

Southeast Alaska, Clarence Strait, Prince of Wales Island, Eastern Shore

SURVEYED: August 8, 1957 through September 10, 1957

SCALE: 1:10,000 PROJECT NO.: OPR-381

SOUNDINGS: Type-808 Fathometers CONTROL: Sextant Fixes on Shore Signals

Chief of Party..... E. B. Brown
Surveyed by..... L. G. Taylor
Protracted by..... J. K. Richards
..... L. C. Haverkamp
Soundings Plotted by..... V. F. Flor
Verified by..... J. C. Chambers
Reviewed by..... S. Rose
Inspected by..... R. H. Carstens

1. Description of the Area

This is an inshore survey of Clarence Strait extending North of Kendrick Islands to Scott Point, and eastward approximately to the 200-fathom curve. The survey includes Hidden Bay.

The shore is steep and generally rocky or comprised of ledge. Off-lying reefs and rocky shoals rise abruptly shoreward of the 20-fathom curve; kelp is abundant in this area.

The bottom is rocky and its gradient so steep that the 200-fathom curve is within .4-mile of Scott Point, and at no place within the survey is it more than a mile offshore.

2. Control and Shoreline

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

The shoreline originates with manuscripts of T-10538, 10539, 10540 and 11526. These manuscripts are incomplete, and are based upon 1956 photography. T-10540 was not available at the time of this review. Several rocks shown awash on the topographic surveys and identified in the descriptive report were disproved in the field.

3. Hydrography

A. Depths at crossings are in good agreement.

B. The standard depth curves are adequately delineated, except in foul inshore areas.

C. The development of the bottom configuration and least depths is adequate. A few shoal indications were not specifically investigated. The least depths on only a few features were verified with the handlead.

4. Condition of the Survey

The field plotting, sounding records and the Descriptive Report are adequate, and conform to the requirements of the Hydrographic Manual. Recorded notes providing supplementary information were unusually complete.

5. Junctions

Adequate junctions were effected with the following surveys:

H-8382 (1957) on the east
H-8384 (1957) on the north

Charted soundings on the south are in adequate agreement with present depths.

6. Comparison with Prior Surveys

H-1649a	1:80,000	(1885)
H-3390	1:20,000	(1912)
H-4195	1:20,000	(1921)
H-4200	1:20,000	(1921)

Portions of these surveys comprise the prior coverage of the area of the present survey. The year 1885 survey is reconnaisance in nature, and because of its small scale has only one sounding plotting within the area of the present survey.

The year 1912 survey has widely-spaced soundings expressed in feet which provide little more than general depths in an area of great irregularity.

A comparison between the present survey and the 1921 surveys reveals some differences which are attributed to the methods of surveying and errors on the earlier surveys. The prior positions of shoreline and offshore rocks differs by 25 to 40 meters for some features. These differences may result from sketching and approximations on the prior surveys. Prior depth curves are more generalized than present ones and are in some areas as much as 50 meters farther offshore. The present larger scale survey reveals numerous features not previously shown and is adequate to supersede the prior surveys in the common area.

7. Comparison With Chart No. 8086, First Ed., Revised September 20, 1965 and Chart No. 8145, 5th Ed., Revised July 17, 1967.

A. Hydrography

The charted hydrography in the area of the present survey is from the verified smooth sheet of the present survey. Chart No. 8086 is the first one to present on a large scale the corresponding area of the present survey.

The 2-fathom sounding charted at Lat. 54° 56.70' Long. 131° 59.99' is an obvious error. A depth of 12 fathoms should be charted at this location.

Minor additions to the ledge were made in the Hidden Bay area.

Except as noted, the charted information is in adequate agreement with the present survey.

B. Aids to Navigation

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

8. Compliance With Project Instructions

The present survey adequately complies with project instructions.

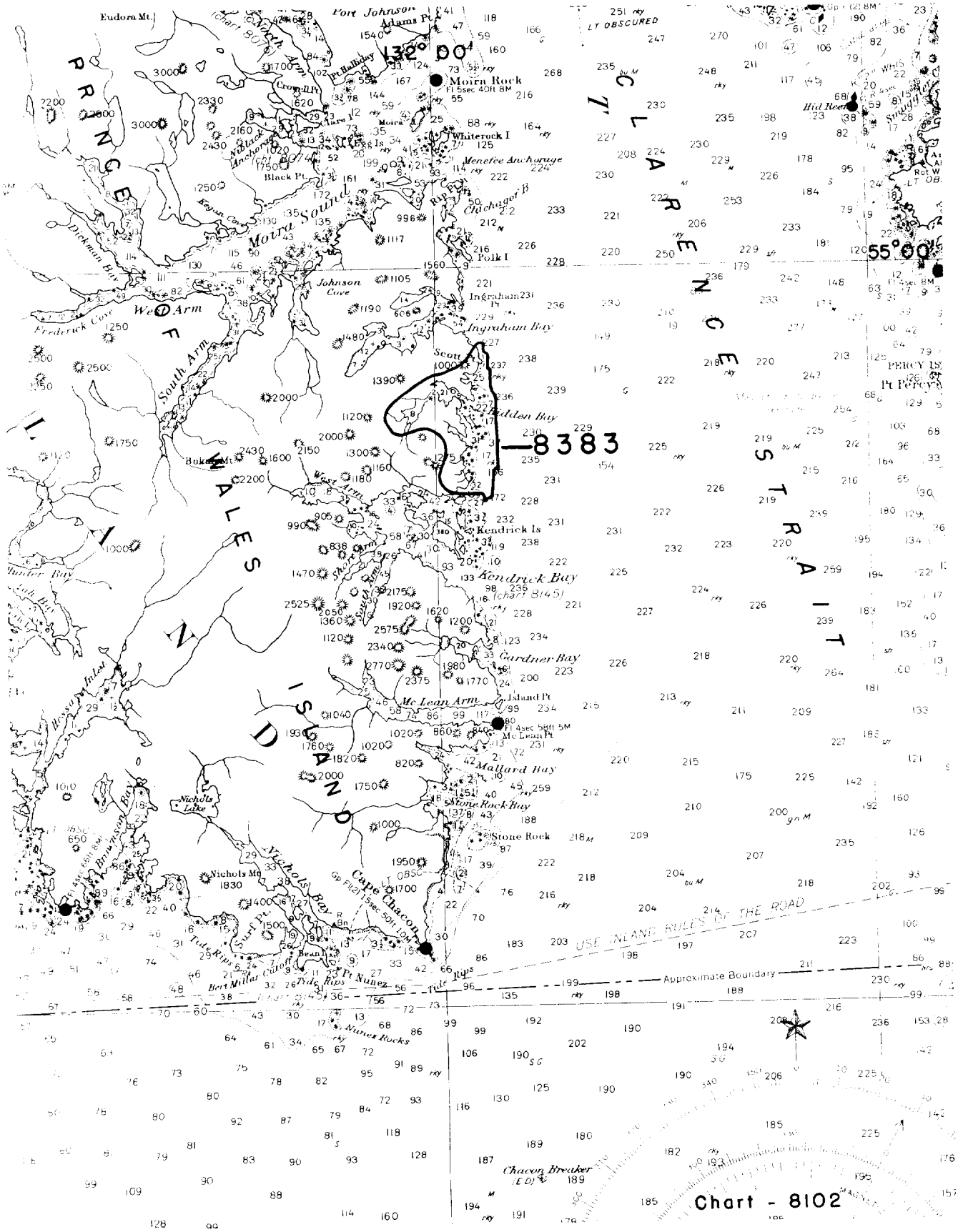
9. Additional Field Work

This is a very good basic survey, and no additional field work is required.

Examined and Approved:

Chief
Marine Chart Division

Associate Director
Hydrography and Oceanography


PRINCE OF WALES ISLAND
CLARENCE STRAIT
Eudora Mt.
Port Johnson
Adams Pt
Moira Rock
Fl 5sec 40ft 8M
Whiteruck I
Menefee Anchorage
Black Pt
Moira Sound
Polk I
Johnson Cove
Ingraham Pt
Ingraham Bay
Scott I
Hidden Bay
8383
Kendrick Is
Kendrick Bay
(chart 8145)
Gardner Bay
Island Pt
McLean Arm
McLean Pt
Fl 4sec 58ft 5M
Mallard Bay
Stone Rock Bay
Stone Rock
Nichols Bay
Nichols Mt
1830
Cape Chacon
Fl 5sec 50ft 10M
Bean Pt
Surf Pt
Tide Rips
Pt Nunez
Nunez Rocks
Chacon Breaker
(ED)
USE INLAND RULES OF THE ROAD
Approximate Boundary
132° 00'
55° 00'
Chart - 8102

NAUTICAL CHARTS BRANCH

SURVEY NO. H-8383

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
1/10/61	8102	E. E. Thomas	~~Before~~ After Verification ~~and Review~~ but before release to Review
			Considered Completely applied – not applied thru Large Scale cht 8086 (Prelim)
3-9-61	New cht 8086	M. Rogers	~~Before~~ Fully appld After Verification ~~and Review~~ but before review.
4/11/61	8002	Earl M. Brogy	~~Before~~ After Verification ~~and~~ Before Review No corr. on
			this scale consider comp. appd. Thru Cht 8086 & 8102 drwg #14
6/6/61	8145	Helmer	~~Before~~ After Verification ~~and~~ before Review Applied thru new
			chart 8086 in overlap. Fully appd in overlap & remainder
11-20-78	8145/17433	J. Stembel	~~Before~~ After Verification and Review – Fully applied
10/9/80	17432	Raston	Full ~~Before~~ After Verification and Review, Insp. Signature
			to Dwg 6
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review

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.