# 8815

Diag. Cht. No. 8202-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

#### DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. LJ-10-1-640/fice No. H-8815

LOCALITY

State ALASKA

General locality GLACIER BAY

Locality BARTLETT COVE

19.64

CHIEF\_OF PARTY

Richard H. Houlder

LIBRARY & ARCHIVES

9/25/69

USCOMM-DC 508

FORM	C&GS-537
(5-66)	

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

REGISTER NO.

#### HYDROGRAPHIC TITLE SHEET

H-8815

INSTRUCTIONS - Th	e Hydrographic Sheet should be accompanied by this form,	FIELD NO.			
	ly as possible, when the sheet is forwarded to the Office.	LJ-10-1-64			
State	ALASKA				
General locality_	GIACIER BAY				
Locality	BARTLETT COVE				
Scale	1/10,000 Date of sur- 4/28/64, Supp. 6/15/64 & 7/21/64	vey 13 May to 8 June 1964			
Instructions dated	1trs 3 & 22 Apr. 1964 Project No.	SP-3-64			
Vessel USC&GS	Ship LESTER JONES and M.L. No. 1192				
Chief of party	Richard H. Houlder				
Surveyed by R.	H. Houlder and N. C. Austin				
Soundings taken by	y echo sounder, Hand/Held/Hall/Hall/				
	Later Taunch Pensonnal				
	Yoursh Danson 3				
•		•			
Protracted by	N. C. Austin Automa	ted plot by			
Soundings penciled	d by R. C. Westphall				
Soundings in fa	thoms force at MYN MLLW				
REMARKS:					
1		·			
<del></del>					
		Onto			

# DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SURVEY H-8815 (LJ-10-1-64) 1964 BARTLETT COVE, GLACIER BAY, ALASKA

Scale: 1:10,000

13 May thru 8 June 1964

#### A. PROJECT

Project instructions for SP-3-64 included original instructions dated 28 April 1964, supplemental instructions dated 15 June and 21 July 1964, and letters dated 3 April and 22 April 1964.

#### B. AREA SURVEYED

The survey area is in the vicinity of Bartlett Cove in Glacier Bay, Southeast Alaska. The cove is formed by Lester Island on the northwest and the mainland on the southeast. The topography in the area is low and wooded with gravel and boulder beaches. It is the location of the U.S. National Park Service Headquarters for Glacier Bay National Monument. Sheet limits bound LJ-10-1-64 as follows:

Lat 58° 29' on the North, Lat 58° 25' on the South, Long 135° 51' on the East, and Long 135° 59' on the West.

The survey was conducted during the period 13 May through 8 June 1964. It junctioned with prior survey H-6337, 1938 (1:10,000) and H-6339, 1938 (1:20,000). It also junctions

with contemporary survey LJ-20-1-64.

#### C. SOUNDING VESSEL

All soundings were recorded on Launch #1192 using purple day letters. All bottom samples were taken from the ship using purple day letters.

#### D. SOUNDING EQUIPMENT

Raytheon Fathometer 723 B, serial # 530, was used exclusively. Depths did not exceed 40 fathoms.

Two corrections were applied to the exho sounder; and index correction and an echo correction. The index was set to zero and deviations from this setting accounted for. The echo correction was determined by bar check taken twice daily to depths of 20 fathoms. When weather conditions permitted, a bar check to 30 fathoms was observed.

#### E. SMOOTH SHEET

The projection was ruled by ship personnel in the processing office at Seattle Ship Base. The rest of the smooth sheet was also completed there. Conditions were ideal for smooth plotting.

#### F. CONTROL

Hydrography was controlled visually by sextant fixes.

Hydrographic signals were located by graphic and photogrammetric methods. Photogrammetric manuscripts were not

available at the start of the survey, so a planetable survey was made using existing triangulation. To avoid a shift in datums and to maintain the continuity of the hydrographic work when changing over to photo-identification of control, selected planetable stations were photo-identified. Photogrammetric compilations used were numbered T-12642, T-12643, and T-12644. Graphic control appears on sheet LJ-A-64.

#### G. SHORELINE

Shoreline detail was transferred from the compilations listed above. The transfer of shoreline and topographic details has been verified. Two insets of pier detail are shown on the smooth sheet. These two piers and the marine railway did not seem to have been verified and were not inked by the smooth plotter on the 1:10,000 scale. The two insets were transferred from the boat sheet without exact reference to orientation.

#### H. CROSSLINES

Eight percent crosslines were run. Junctions of crosslinesewere in good general agreement. Bartlett Cove has the appearance of a typical glaciated canyon submerged under the level of the sea. As such, the broad expanse of the center of the cove is nearly flat and soundings are in near-perfect agreement. However, the bottom comes up very fast near the shoreline and crosslines are more difficult to compare, as a small difference of location will show a different sounding.

#### I. JUNCTIONS

Smooth plotting of contemporary survey LJ-20-1-64 is not sufficiently completed at this writing to make a comparison at the common junction. Junction with prior survey #H-6339 is very satisfactory.

#### J. COMPARISON:

Registered survey #6337 was conducted in Bartlett Cove in 1938. Boat sheet LJ-10-1-64 is a photostatic blue-line copy of H-6337.

Only one presurvey review item was listed in project instructions. It appears in the supplemental instructions dated 15 June 1964. This item is not within LJ-10-1-64 sheet limits.

#### K. CHART COMPARISON

The largest scale shart of the area is #8304 at a scale of 1:80,000. The great difference between this and the sheet scale makes comparison difficult. Nevertheless, all charted features are clearly developed on the smooth sheet. The features on the chart are adequate considering the scale. The numerous rocks plotted are all relatively close to the shoreline.

#### L. ADEQUACY OF SURVEY

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

#### M. AIDS TO NAVIGATION

There were no aids on this sheet.

#### N. STATISTICS

Ship LESTER JONES ... 17 bottom samples

M.L. #1192 ...1285 positions ... 140.3 N.M. Soundings sq. m. Hydrography

There were no tidal current or magnetic observations in the survey area.

#### P. RECOMMENDATIONS

The smooth plotter makes no recommendations.

#### Q. REFERENCES

1964 Season's Report 1964 Fathometer Report	(forwarded) (forwarded)
Tide Note	(1 sheet enclosed)
Abstract of Echo Corrections	(1 sheet enclosed)
List of Signals	(1 sheet enclosed)

Respectfully submitted,

Cosert 6. Westphall

Robert C. Westphall

LTJG, C&GS

Approved and forwarded,

Throld E. McCall
Harold E. McCall

LT, C&GS

Comdg., Ship LESTER JONES

#### TIDE NOTE

Project SP-3-64 LJ-10-1-64 Bartlett Cove, Glacier Bay, Alaska

Station	Latitude	Longitude	Time <u>Meridian</u>	Height MLLW on Staff
Bartlett Cove	58° 27.2'N	135° 52.0W	120 W	5.0 feet

The portable tide gage at Bartlett Cove was used throughout this survey. Tide reducers were scaled directly from the marigrams. No corrections for differences in time of height were applied.

#### TIDE NOTE FOR HYDROGRAPHIC SHEET

#### MANACAMANDIMAN Seattle Regional Officer

Plane of reference approved in 8 volumes of sounding records for

HYDROGRAPHIC SHEET 8815

Locality: Bartlett Cove, Glacier Bay S. E. Alaska

Chief of Party: R. H. Houlder, 1964

Plane of reference is mean lower low water

Tide Station Used (Form C&GS-681): Bartlett Cove

Height of Mean High Water above Plane of Reference is as follows: 13.5 feet

Remarks

## ABSTRACT OF ECHO CORRECTIONS LJ-10-1-64

Launch # 1192
Fathometer Type DE-723
Fathometer Serial #530

DEPTH (fms)	CORRECTION (fm	ıs)
0.0-6.5	+0.1	
6.6-14.0	0.2	
14.1-21.0	0.3	
21.1-28.0	0.4	
28.1-36.0	0.5	

Corrections to be applied from 13 May through 8 June 1964.

\$

#### LIST OF SIGNALS LJ 10-1-64

```
T-12642 Pricked Direct
ABE
          LuJ-A-64
ANT
          LJ-A-64
BAN
BART
          BART, 1938
          T-12644 Pricked Indirect
BEN
BEST
          BEST, 1938 and T-12642 Pricked Indirect
BUT
          LJ-A-64
          CLAM, 1938
CLAM
          COVE, 1938 and T-12643 Pricked Direct
COVE
          LJ-A-64
DIE
          LJ-A-64
GAB :
          LJ-A-64
GAL
GOD
          LJ-A-64
          HERE, 1938
HERE
          LJ-A-64
ICE
          T-12642 Pricked Direct
IKE
          LJ-A-64
JAP
          T-12642 Pricked Direct
JON
          T-12644 Pricked Direct
MAC
          LJ-A-64
MAD
          T-12644 Pricked Indirect
OFF
          LJ-A-64
ORE
          PARK, 1959
PARK
          LJ-A-64
PAW
PIL
          LJ-A-64
          LJ-A-64 and T-12643 Pricked Empirect
PIT
          POOR, 1938 and T-12642 Pricked Direct
POOR
          LeJ-A-64
RED
          LJ-A-64
ROK
          LJ-A-64
RUN
          LJ-A-64
SAL
          T-12642 Pricked Direct
SAM
          LJ-A-64
SNO
SOC
          LJ-A-64
          TELL, 1938 and T-12644 Pricked Direct
TELL
          LJ-A-64
TOM
          LJ-A-64
TRY
          LJ-A-64
URP
```

#### GEOGRAPHIC NAMES PENCILED ON H-8815

BARTLETT COVE

BARTLETT RIVER

BEARDSLEE ISLANDS

GLACIER BAY

LESTER ISLAND

SITAKADAY NARROWS

FORM 197 (3-16-55)

Rand Actually Ausa Or J. S. Herre die Or the printed P.O. Guide of Her U.S. Light List **GEOGRAPHIC NAMES** Or local Mages py do do pied Survey No. H-8815 E F G Name on Survey 2 3 8 10 11 12 13 14 15 16 17 18 19 20 PREPARED BY 22 CARTOGRAPHIC TECHNICIAN 24 APPROVED BY 25 26 CHIEF GEOGRAPHER 27

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 - 8815 (L J - 10 - 1 - 64)

RECOR											
	AMO	UNT		RECORD	DESCF	RIPTIO	N	AM	OUNT		
SMOOTH SHEET			/		BOAT S	HEETS				1	
DESCRIPTIVE REPORT			/		OVERL	AYS				0	}
DESCRIPTION	DEPTH RECORDS	HORIZ.	CONT. DRDS	PRINTOU		TAPE ROLLS		PUNCHED CARDS		SI SO	RACTS/ URCE UMENTS
ENVELOPES	<b>I</b>										
CAHIERS	11										
VOLUMES		8	}								
BOXES										1	
T-SHEET PRINTS (	T- 17	647	: 7	126	43	; 7	126	14			
SPECIAL REPORTS	S (Liet)	012		, 20	70			77			
	The following s	atistics w	OFFICE F	PROCESSII	NG ACT	TIVITIES ortographer's	repor	t on the	survey		
PROCESSING ACTIVITY			AMOUNTS								
			PRE- VERIFICA		VERIFICAT	ION	RE	· VIEW	TQ.	TALS	
POSITIONS ON SHE	ET									138	35
POSITIONS C	HECKED					552	2			,,,,	
POSITIONS RE	EVISED					2 2					
DEPTH SOUNDINGS	REVISED					118		<del></del>			<del></del>
DEPTH SOUNDINGS	ERRONEOUSLY	SPACED				about 6	02				
SIGNALS ERRONE	USLY PLOTTED	OR TRANS	FERRED			None					
					L			IHOURS	;)	L	
TOPOGRAPHI	C DETAILS					8 m					
JUNCTIONS				· · · · · · · · · · · · · · · · · · ·		3 h			<del></del>		
VERIFICATIO GRAPHIC REC	N OF SOUNDINGS	FROM				20 h			<del></del>		
SPECIAL ADJUSTMENTS				<del> </del>		-	15				
ALL OTHER WORK						4	us				
	OTALS					150					
RE-VERIFICATION	BY				-   E	BEGINNING	ATE:		ENDING	DATE	
RIF PATION BY	a as	Pau		·	E	BEGINNING E		1966	ENDING	DATE 25 K	10.0
		and the second second		, 15 T		<i>''''   ''</i>	1/1-2-	- 1 - 1	IUI [		

# H-8815 (2.J. 10-1-64)

Day	# Pasihins	# Pos. Lad	* Pos Correct	Volume	Remarks
a	264	94	#2	I	
6	73	25	5	I	
c	122	37	0	II	
d	** 174	2x) 54	6	亚红	
e	+39/93	45 }- 70	1	亚虹	numerous short lines
	47/82	48 62	0	正和正	
9.	176	65	4	匹	
<b>*</b>	63	32	1	亚	all short lines
9	39	15	0	型	
V sub to	1286				
A	17	17	0	亚	Defoeled Pos.
В	20)	20	1 , .	TU	Retached Rich
Č	43 47	43	1	TO	Addenta Report for Light page of
<b>D</b>	18	18	/	VIII	Detached Richs.
-	1385	552	22		
,	82	40%	/	7 6 12 6	
					Verify Pos. 40 hrs
	1286				All other 107
	17	lal		. \	includes: (7 hrs misc Names report sta)
•	13 85 10		7, 25		
		and the second second			

Volume VIII pg 8 pos 4B rock not shown (located radial plot) Addenda Marine Railway & Float (\$58° 27' 22") (\$\lambda 135° 52' 00") Shown as per boat Sheet Yather than as per T 12643 Preliming & Advance. Topo details as corrected by field party should have been shown in red ink on boat sheet. Addenda Statishes Launch # 1/92 1286 positions 17 positions (Bottom Samples) Lester Jones 82 positions (Detached Rocks) Total Positions 1385 Positions N.B. The 82 skill posttions were not reported previously

Volume VIII pay 17 pos. 44C - direct transfers from
Boat sheet for location

Volume VIII pay 17

Privately maintained Light not described - not mentioned in report.

# Verifiers Report Addenda

Part II Soundings item 18

The penceisled Soundings on the smooth that were the product of inexperienced trainers. It was four millimeters in bright and millimeters with A tray great number of soundings were not shown and about 60% of the soundings were improperly spaced. The inting of toundings was more time consumming because of the necessity of first evasing misplaced and overgreed sumdangs. Doing a neal job of inting is more difficult over expressive excessived areas, and Both the cost of viriging and the quality of the final product is adversely affected by substandard proscibled smooth plotting.

The smooth sheet has been inspected and meets the requirements of the Hydrographic Manual. (Note: Exceptions are noted in the verifier's report.)

Examined and Approved

Supervisory Carto. Tech.

Approved and Forwarded

K. William Jeffers, KDR, USESSA Acting Chief, Processing Division, PMC

FORM C&GS-946A (REV. 2-1-64) (PRES. BY HYDROGRAPHIC MANUAL, 5-94)

# VERIFIER'S REPORT HYDROGRAPHIC SURVEY, H 88/15 U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY (L J 10-1-64)

INSTRUCTIONS. This form serves to identify items of a check list in verification together with items which are separately reported to the Reviewer. The form is not to be forwarded to the Reviewer. A report, which is prepared for the Reviewer, should identify items by number and letter and will be filed in the Descriptive Report until the survey is reviewed.

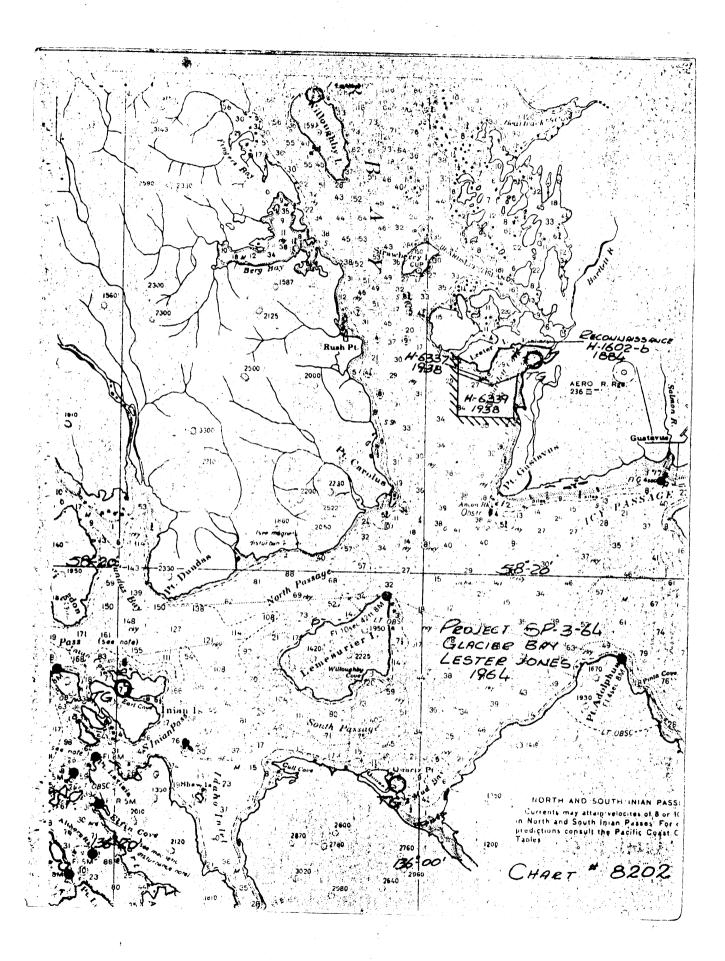
- CL Check List Items: should be checked as having been completed during the verification processes.
- R Report Item: This column refers to those items reported to the reviewer and is used to indicate the items discussed.

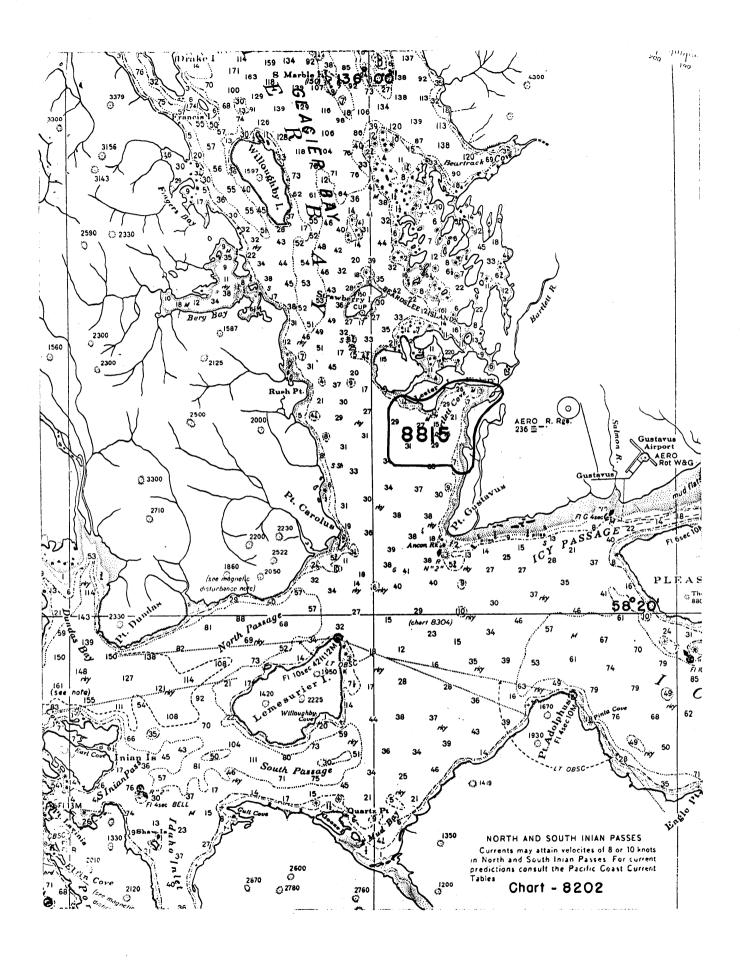
			·		
Part I - DESCRIPTIVE REPORT  Note: The verifier should first read the Descrip-	CL	R	Part III - JUNCTIONS (Continued) 10. Junctions with contemporary surveys were	CL	R
tive Report for general information and problems.	/		satisfactory except as follows:	_	
The Descriptive Report was consulted, paragraphs checked if found satisfactory, and notations were made in soft black pencil regarding action taken.  Remarks Required: None			Remarks Required: Consider conditions after adjustments have been made; note adjustments made. Make special notes of Butt junctions and areas which are SUPERSEDED.		
Soundings originating with the survey and mentioned in the Descriptive Report have been verified and checked in soft black pencil, including latitude and longitude, together with position identification.  Remarks Required:None  3. All reference to survey sheets mentioned in	None		Part IV - VOLUMES  11. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken and exceptions noted in the volumes.  Remarks Required: None	/	
the Descriptive Report should include registry number and year.	ye.		12. Condition of sounding records was satisfactory		
Remarks Required: None			except as follows:		
Port II - SHORELINE AND SIGNALS 4. Source of shoreline signals Remarks Required: List all surveys	/		Remarks Required: Mention deficiencies in completeness of notes or actions for the following:	•	
o. Give earliest and latest dates of photo- graphs			(a) rocks	V	
b. Field inspection date			<ul><li>(b) line turns</li><li>(c) position values of beginning and ending of</li></ul>	/	
c. Field Edit date	ļ	·	lines (d) bar check or velocity correctors	/	
d. Reviewed-Unreviewed			(d) bar check or velocity correctors		
<ol> <li>The transfer of contemporary topographic information was carefully examined and rec- onciled with the hydrography.</li> </ol>	/		(e) time recording (f) notes or markings on fathograms	1	
Remarks Required: Discuss remaining			(g) was reduction of soundings accurately done?		
6. The plotting of all triangulation stations, topographic stations and hydrographic signals has been checked and noted in processing stamp No. 42 on the smooth sheet.	/		<ul><li>(h) was scanning accurate? Not consident.</li><li>(i) were peaks at uneven intervals missed?</li><li>(j) were stamps completed?</li></ul>	K Few Mo:My	
Remarks Required: None	<u> </u>		(k) references to adjacent features	<b>'</b>	
<ol> <li>Objects on which signals are located and which fall outside of the high-water line have been described on the sheet.</li> <li>Remarks Required: List those signals still unidentified.</li> </ol>	None		Part V - PROTRACTING  13. All positions verified instrumentally were check marked in color in the sounding records, and verifier initialed the processing stamp.  Remarks Required: None	/	
Part III - JUNCTIONS	/				<u> </u>
Note: Make a cursory comparison preliminary to inking soundings in area of overlap.	/		14. The protracting and plotting of all unsatis- factory crossings were verified.	1	
8. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical.  Remarks Required: None			Remarks Required: None  15. All detached positions locating critical sound-		
9. The notation in slanted lettering "JOINS H (19)" was added in colored ink for all veri- fied contemporary adjoining or overlapping sheets. Those not verified are shown in pencil.	V		ings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible.	*	
Remarks Required: None			Remarks Required: None		

Part V - PROTRACTING (Continued)  16. The protracting was satisfactory except as follows:  Remarks Required: Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments.	CL Sulfat	R	Part VIII - AIDS TO NAVIGATION  26. All fixed aids located together with those on the contemporary topographic sheets, have been shown on the survey.  Remarks Required: Conflicts of any nature listed.	CL None	R Sa Adda
17. The protractor has been checked within the last three months. Remarks Required: Date of check, type of protractor and number.	1		27. All floating aids listed in the Descriptive Report should be verified and checked in soft black pencil, including latitude and longitude and position identification.	1/2	,
Port VI - SOUNDINGS  18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings.  Remarks Required: None		Sec Addinda	Remarks Required: None  Part IX - BOAT SHEET  28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information.	/	
19. Sounding line crossings were satisfactory except as follows:  Remarks Required: Discuss adjustments.			Remarks Required: None  29. Heights of rocks awash were correctly re-		
20. The spacing of soundings as recorded in the records was closely followed;  Remarks Required: None		See Addude	duced and compared with topographic information.  Remarks Required: Note excessive conflicts with topographic information.		
21. The scanning, reduction, spacing, plotting of questionable soundings have been verified.  Remarks Required: None	/		Part X - GENERAL  30. All information on the sheet is shown in accordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2).  Remarks Required: None	/	
22. The smooth plotting of soundings was satisfactory except as follows: Remarks Required: — Refer to legibility, errors in spacing, and errors in numbers - but not to errors in scanning.		See Addud	31. Unnecessary pencil notes have been removed from the sheet.  Remarks Required: None	<i>V</i>	
Part VII - CURVES  23. The depth curves have been inspected before inking.  Remarks Required: By whom was the penciled curves inspected.	/		32. Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet.	/	
24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following:			Remarks Required: - None		
<ul> <li>a. From T-Sheet in dotted black lines</li> <li>b. From soundings in orange</li> <li>c. Approximate position of sketched curve is dashed orange</li> </ul>	No Yes		33. The bottom characteristics are adequately shown.  Remarks Required: None	/	
d. Approximate position of shoal area not sounded in black dashed  Remarks Required: None	No		Port XI - NOTES TO THE REVIEWER  34. Unresolved discrepancies and questionable soundings.	Mne	
<ul><li>25. Depth curves were satisfactory except as follows:</li><li>(This statement should not refer to the manner in which the curves were drawn).</li><li>Remarks Required: Indicate areas where</li></ul>	Eh feit		35. Notation of discrepancies with photogram- metric survey inserted in report of unreviewed photogrammetric survey or on copy.	2	,
curves could not be drawn completely because of lack of soundings. For some inshore areas a general statement is sufficient.			36. Supplemental information.	Vne	
Cornelius O.J. Cann			Date	28	1960

FORM C&G5-946 A (2-1-64)

USCOMM-DC 6623-P64





#### NAUTICAL CHART DIVISION

#### RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

H-8815

#### 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.

	T	<del>,</del>	I Commendations made under Comparison with Charts in the Review.
CHART	DATE	CARTOGRAPHER	REMARKS
8202	8-11-70	B Fernandons	Part After Verification Review inspection Signed Via
8202	7/24/14	8. Martos	Drawing No. Critical corrections only
		<u> </u>	
8304	7/23/74	8. Martos	Full Part Before After Verification Review Inspection Signed Via
(17302)	(1:80)		Drawing No. 13 Critical corrections only.
<del>(( </del>	(1, 00)		i
17310-	2/2/79	James Graham	Full Part Before After Verification Review Inspection Signed Via
173/8-	, , , , , ,	Salles Granani	
17319-50	<u> </u>		Drawing No. #181M Partly apple hydro to new
		· Halada	Ahart Until Processing 13 Complete. Full Part Before After Verification Review Inspection Signed Via
17318	5/23/90	L. arbunda 1470	
(80,00)	(10,00)		Drawing No. # 3
	`		Alcount 15. VERIEUROTION
17302	7-23-91	caffy	Adequate Below Verification Review Inspection Signed Via
,		UY	Drawing No. 17 Na Correction
			770 577.50
		14	Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
·			
			Pull Date Defendation of the Control
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
`			Drawing No.
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