

Diag. Cht. No. 904-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. EX-10-2-62 Office No. H-8638

LOCALITY

State Puerto Rico

General locality East Coast Of Puerto Rico

Locality Punta Lima

1962

CHIEF OF PARTY

Edmund L. Jones

LIBRARY & ARCHIVES

AUG 12 7500

DATE

USCOMM-DC 5087

DEPARTMENT OF COMMERCE

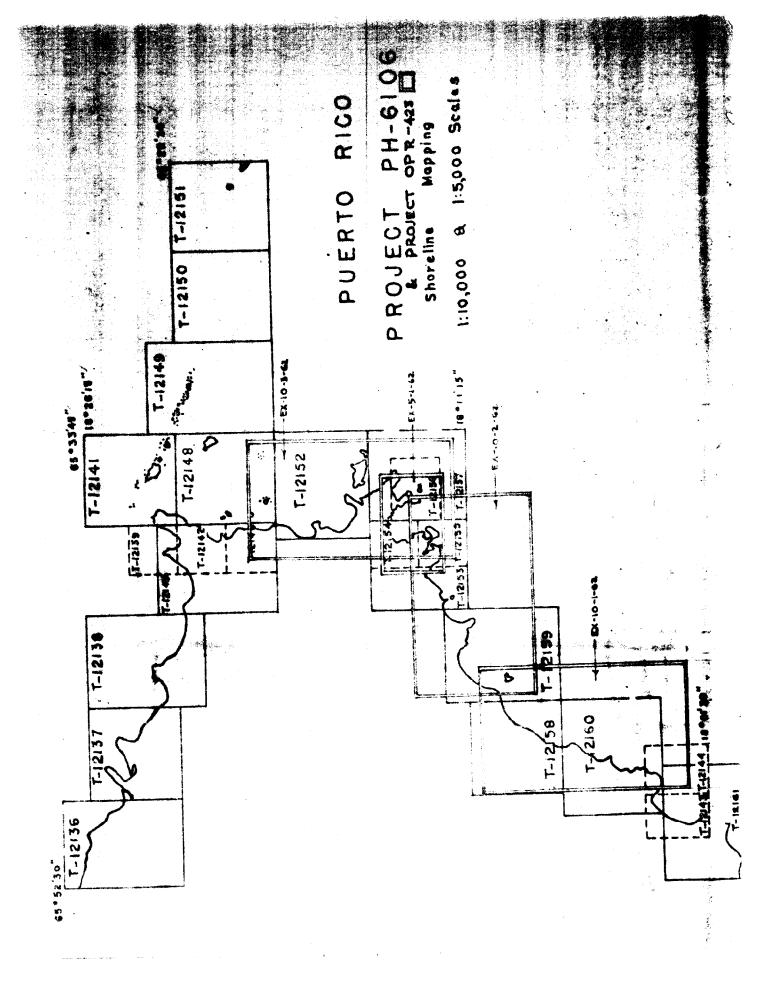
U. S. COAST AND GEODETIC SURVEY

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-8638
Field No. EX-10-2-62

State Puerto Rico
General locality East Coast of Puerto Rico
Locality Punta Lima
Scale 1:10,000 Date of survey March thru June 1962
Instructions dated 26 December
Vessel USC&GS Ship EXPLORER
Chief of party Edmund L.Jones R. E. Williams, G. F. Wirth, J. S. Midgley, V. R. Smith, Surveyed by J. W. Bricker, D. J. Florwick
Surveyed by J. W. Bricker, D. C. Field wine and pole
Soundings taken by fathometer, graphic recorder, hand lead, wire and pole
Fathograms scaled by P.C.J., I.G.P., R.E.H., K.M.K., L.D.H.
Fathograms checked by P.C.J., I.G.P., R.E.H., K.M.K., L.D.H.
Protracted by W.L. JONNS (NORFOLK OFFICE)
Soundings penciled by W.L. JONNS "
Soundings in fathoms feet at MLW MLLW
REMARKS:



DESCRIPTIVE REPORT TO ACCOMPANY HYDROGRAPHIC SURVEY H-8638 (Field No. EX-10-2-62)

Scale 1:10,000

USC&GS Ship EXPLORER

1962

CAPT E. L. Jones, Comdg.

A. Project

Hydrography was accomplished in accordance with "Instructions-Project OPR-423-Puerto Rico" dated 26 December 1961.

B. Area Surveyed

This survey covers an area on the East Coast of Puerto Rico in the vicinity of Punta Lima bounded by the coast and longitude 65°-36.5°W between latitudes 18°-08.5°N and 18°-13.0°N. Launch hydrography was begun on 28 March 1962 and was completed on 13 June 1962.

The survey makes the following junctions with prior surveys:

H-2527 -- 1:20,000 dated January to May 1901

H-2533 -- 1:10,000 dated 1901

H-2582 -- 1:20,000 dated 1902

H-4741 -- 1:20,000 dated 1927

H-2528 -- 1:20,000 dated 1901-1903

Junctions were made with contemporary surveys as follows:

H-8637 (EX-10-1-62) Ship EXPLORER-March thru June 1962-South

H-8639 (EX-5-1-62) Ship EXPLORER-June 1962-North

Incomplete (EX-10-3-62) Ship EXPLORER-June 1962-East

U. S. Navy Hydrographic Office Survey of Ensenada Honda.

C. Sounding Vessel

All hydrography was accomplished in launches and skiffs from the Ship EXPLORER.

Launch 1 - LTjg V. R. Smith - C. in C. Purple Day Letters

Hydrography accomplished along beach to about a half mile offshore from signal "BAG" to "REV", a mile NW-SE wide strip running NE to SW from latitude 180-11.6°N, longitude 650-36.5°W to latitude 180-09.5°N, longitude 650-41.0°W (inshore positions of strip).

Launch 2 - LTjg J. W. Bricker - O. in C. Brown Day Letters

Hydrography accomplished from signal "REV" to latitude 18°-09.5'N Longitude 65°-40.6'W, to north and eastern sheet limits at latitude 18°-11.6'N.

Launch 3 - LTjg D. J. Florwick - O. in C. Red Day Letters

Hydrography accomplished from the western sheet limit to signal "CAT", to latitude 180-10.3 N, longitude 650-42.6 W, to latitude

18°-10.5°N, longitude 65°-41.0°W to the south limits of the sheet at longitude 65°-40.2°W.

Launch 4 - LT J. S. Midgley - O. in C. Green Day Letters

Bottom samples over the entire sheet.

Skiff No. 1 - LT G. F. Wirth - O. in C. Blue Day Letters

Development of inshore rocks and foul areas along entire beach with the exception of areas from signals "BAG" to "ICE" and "YET" to "SAX".

Skiff No. 2 - LT J. S. Midgley - O. in C. Green Day Letters

Development of inshore rocks and foul areas from signals "BAG" to "ICE" and "YET" to "SAX".

D. Sounding Equipment

808 Fathometers Numbers 136 SP and 158 SPX were used in launches 1 and 2 for part of the survey as shown in the Abstract of Echo Corrections attached. Raytheon DE-723 Fathometers Numbers 241 and 247 replaced the above 808's. Raytheon DE-723 No. 134 was used in Launch No. 3. The calibrated speed of the 808's is 820 fms/sec, and Raytheon DE-723's is 800 fms/sec. Additional information may be found in the EXPLORER "Fathometer and Velocity Correction Report 1962".

E. Smooth Sheet

The smooth sheet projection was machine ruled in the Washington Office.

Smooth sheet portion of descriptive report to be subject of separate report.

F. Control and G. Shoreline

These items have been discussed in full in a separate report submitted 10 October 1962.

H. Crosslines

Crosslines made up 6.5% of the Hydrography. No crossing discrepancies were noted. Final evaluation of crossings to be part of smooth plotter's report.

Items I thru K to be part of smooth plotter's report.

L. Adequacy of Survey

The survey is complete and adequate to supersede prior surveys for charting.

M. Aids to Navigation

All fixed aids to navigation have been reported on Form 567 and submitted to the Washington Office on 24 August 1962.

All data pertaining to aids to be used as "Objects for use by U. S. Coast Guard in locating Aids to Navigation" has been submitted to the Commander, U. S. C. G., San Juan P. R. on 28 June 1962.

All aids to navigation were checked with the Coast Guard List of Lights and found in complete agreement.

Bridge clearances were investigated by a photogrammetric party under instructions from that Division.

N. Statistics

Launch	No. of Positions	N.M. Hydro	No. of Bottom Samples
1	1725	207.2	
2	1451	199.0	
3	1933	237.8	
4	129		100
Skiffs		Detached Sdg	' <u>S •</u>
1		378	
2		50	

This Survey covers an area of 20.6 square nautical miles.

Items O thru P to be part of smooth plotter's report.

Q. References to Reports

Report 3 Form 258 - Tide Leveling Record 2 Form 681 - Report - Tide Station Seasons Report 12 Activities Photographs 1 Geographic Names Report	Submitted to W. O. 10 July 1962 10 July 1962 20 August 1962 21 August 1962 24 August 1962
	21 August 1962 24 August 1962
Field Edit Data Control Report	24 August 1962 16 September 1962 10 October 1962

Coast Pilot Report Fathometer and Velocity Correction Report To be Submitted

16 October 1962

Respectfully Submitted

George F. Wirth LT, C&GS

Approved

Edmund L. Jones

CAPT, C&GS Comdg., Ship EXPLORER

TIDE NOTE To Accompany Hydrographic Survey EX-10-2-62 H-8638

Tide reducers for this survey were obtained from two portable gages. The sheet was divided along Longitude 65°-41'-30"W from Punta Lima south with the Ensenada Honda Gage controlling the eastern portion and the Playa De Humacao Gage controlling the Western Portion. No time or range corrections were used in obtaining tide reducers from either gage.

Ensenada Honda Portable Gage

Location: Lat. 18°-13'-48"N Long. 65°-37'-12"W Time Meridian: 45th MLW(As Furnished by Washington Office) 3.2 ft. above Staff Zero

Playa De Humacao Portable Gage

Location: Lat. 18°-09'-54"N Long. 65°-37'-12"W

Time Meridian: 45th

MLW(As Furnished by Washington Office)

March 28-May 18, 1962 3.7 ft. above Staff Zero May 19-May 31, 1962, 1200, 3.4 ft. above Staff Zero 1300 May 31-June 13,1962, 1200, 1.9 ft. above Staff Zero June 13, 1962 (1300-1800), 2.6 ft. above Staff Zero

GEOGRAPHIC NAMES LIST н-8638 (EX-10-2-62)

See Special Report submitted to W. O. 24 August 1962

- 1. Bahia Algadones
- 2. Bahia Lima
- 3. Boca Pricta
- 4. Cayo Santiago
- 5. Ensenada Honda.
- 6. Hucares
- 7. Playa Blanca
- 8. Playa de Humacao
- 9. Playa de Naguabo
- 10. Puerto de Humacao
- 11. Puerto Naguabo
- 12. Punta Algodones
- 13. Punta Cascajo 14. Punta Lima
- 15. Punta Santiago
- 16. Rio Blanco
- 17. Rio Daguao
- 18. Rio Santiago

SIGNAL NAMES

SHEET EX 10-2-62

Signal	T-Sheet	Photo	Signal	T-Sheet	Photo
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07.5 ARM	12159	5983928	508 NAT	12153	
			526 NEO	12153	61W1677
003 BAG	12159	59\$3926	569 NOW	12 1 59	5953928
021 BHD	12153	61W1677			
049 BOX	12159	5953928	604 OAK	TRAVERSE	FROM GOAT, 1901
() G ; DOA	_~_//	<i>77-27-</i>	GII ODD	12153	61W1677
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	12159	5953926	634 OIL	12159	5 9\$39 2 8
108 CAT			188 OUT	SOUTH, 19	
166 COP	12159	5953928	TUO sas	12159	61W1676
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165 DON	DON, 1941		626 PEP	12153	
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			686 QUO	12159	61W1676
200 EBB	12153	61W1678			
2.34 EGO	12159	61W1676	703 RAG	12153	61W1679
	12159	5953928	728 REV	12159	61W1676
280 ETA	121)9	7707720	736 RIO	12159	61W1676
574	3.03.00	61W1678	705 SAN		·
233 FIG	12153		703 SAN 704 SAL	12153	61W1679
266 FOP	12159	5953928	709 SAX	12159	61W1676
285 FUN	12159	61W1676			61W1678
			782 SUE	12153	OTWIOLG
300 GAB	HUMACAO C	USTOM HOUSE	d		(31·0/0/
	EAST GABL	I, 1901	805 TAN	12159	61W1676
324 GEO	12159	61W1676	824 TEL	12153	61W1678
J89 GUY	12153	61W1678	869 TOY	12159	61W1676
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3 68 (101	dozii = 1/0	-			
227 TTC	12159	61W1676	872 USE	12159	61W1676
347 HIS					
366 HODP	12153	61W1678	804 VAL	12159	61W1676
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385 HUM		LAYA CHURCH		12159	5953927
	(USGS), l	.934	835 VIM	12179	7707721
			922 17979	2.07.50	roggood
312 ICE	12159	61W1676	922 WEE	12159	59\$3928
310 IDA	12153	61W1678	936 WHO	12159	61W1676
•			933 WIG	12159	61W1676
406 JAP	12159	61W1676			
43.5 JIM	12153	61W1678	927 YES	12159	5983927
INW OTEL	ررسب		728 YET	12159	61W1676
421 KED	12159	61W1676			•
	12153	61W1678	903 ZAG	12159	61W1676
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	3.03.50	41 tim 400			
HIG LEO	12153	61W1679			
428 LET	12153	61W1678			

ABSTRACT OF CORRECTIONS TO ECHO SOUNDINGS TO ACCOMPANY FATNOMETER AND VELOCITY REPORT

PROJECT OPR-423 BX 10-2-62 H-8638

Launch No. 1	808 Fathomete Depth(fts)	r No. 130 Corr. (ft.	SSP 1		
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	11-1-21-5	10.2			
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	37.1-43.5	40.6			
	43-6-48-5	¥7.0		•	
	48.0-52.5	44.2			
	52.007767 44.6-48.0	71.7			
	58.1-60.5	1.8	Section 1		
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	Cr. 1-68-0	75.73			
, V	68.1-69.5	12.8	•		
	69.6-71.0	43.0			
	71-1-73-0	76.7			
	21.6.70.0	23.7		e System	
	76-1-77-5	13.8			
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	4-9-7-7	20.3			
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	18.1-24.5	2.4			
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	34.1-37.0	42.2	A. Carlotte		
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		43.0		•	
	44.1-46.0	13.2			
	46-1-47-5	21			
	47-0-48-7	Z.	•	and the second second	v / 34 30 5 3 TO 5 4
	60.1.61.6	Zio			
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(cont.)	Depth 26. 5210-53.3 53.6-53.0 55.1-56.0 56.1-57.5 57.6-59.0 59.1-60.0 60.1-61.5 61.6-62.5 62.6-64.0 64.1-65.0	Gozza (fita)
	68.1-71.5 71.6-74.5 74.6-76.0 78.1-81.8 81.1-81.0 44.1-87.5 87.6-91.0	46.6 46.8 47.0 47.2 47.4 47.6
all days Except a day	Baytheom F Depth (St.) 0.0-3.0 3.1-9.5 9.6-14.5 14.6-18.5 18.6-22.5 26.6-30.0 30.1-34.0 31.1-38.0 34.1-42.0 42.1-43.5 45.6-37.0 57.1-41.0 61.1-65.0	1.0 -0.8 -0.6 -0.4 -0.2 -0.2 -0.2 -0.2 -0.6 -0.2 -0.2 -0.3 -0.2 -0.4 -0.5 -0.4 -0.5 -0.5 -0.5 -0.6 -
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APPENDENT PROPERTY.

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	71-1-80-0	25.5		
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•	87-1-94-0	14.5		
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	107-1-111-0	72.0		
	116-1-121-0			
	127 1-111	27.5		
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	147-1-154-0	£9.0		
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Phase Comparis	ons .	Corrections	s(Le.)	
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608 No. 136 39		*0. 5		

Phase Comparisons Corrections(ft.)

Pathometer Scale A-5
808 No. 136 SP
808 No. 158 SPX -1.6
De-723 No. 241 -0.4
DE-723 No. 247 -0.6
DE-723 No. 134 0.0

1. (X2-7-X1-1)

APPROVAL SHEET Hydrographic Survey H-8638 EX-10-2-62

The field work on this sheet was done under my personal supervision with the boat sheet examined daily and with the records under nearly daily examination by the Field Records Officer, LCDR Dale E. Westbrook.

The survey is complete and adequate with no additional field work recommended.

Upon completion of smooth plotting, the items indicated in the Descriptive Report are to be submitted by smooth plotter in a separate portion of this report.

Edmund L. Jones

CAPT, C&GS

Comdg., Ship EXPLORER

NORFOLK HYDROGRAPHIC PROCESSING BRANCH LIST OF SIGNALS H-8638

TRIANGULATION STATIONS

GOAT	GOAT, 1901-41
OUT	SOUTH, 1941
	PUNTA, 1941
DON	DON, 1901-41
SAN	SAN, 1901-40
HMM	
HUM	HUMACAO PLAYA CHURCH (USC&GS), 1934
GAR	HUMACAO CUSTOM HOUSE, EAST GABLE, 1901

PHOTO	-HYDRO	STAT	<u>lons</u>	SOURCE T-12159				7		
ABE HIS SAX	BAG HUG TAN	BOX ICE TOY	CAT JAP TRY	COP KED USE	DOT KIM VAL	DUN OIL VIM	EGO OWL WHO	ETA QUO WIG	FUN REV YES	GEO RIO YET
				301	JRCE T-	-12153				
ACE KEY SAL	ACT LEO SUE	BED LET TEL	CAR MAG	DOG MOO	EBB Bat	FIG NEO	GUY ODD	HOP OHM	IDA PEP	JIM RAG

SOURCE VOLUME 1, PAGE 3

PUN OAK

100

FOR Now

VE " Wist

ZAG

7 5

FLOATING AIDS TO NAVIGATION H-8638

BUOY	LATITUDE	LONGITUDE	DEPTH	POS. NO	DATE
CAYO SANTIAGO Buoy 2	18-09.35'	65-42.781	30¹	61f (red)	5/23/62

NORFOLK HYDROGRAPHIC PROCESSING BRANCH ADDENDUM To Accompany

HYDROGRAPHIC SURVEY H-8638 (Ex 10-2-62)

GENERAL

Except for some weak fixes, particularly in the Southwest part of the survey where control stations are distant, this appears to be an excellent basic survey. Soundings are in good agreement at crossings and depth curves form normal patterns in this irregular bottom.

DISCREPANCIES

Fixes on e day, Lch. 1, in the vicinity of Lat. 18-10.50' and Long. 65-37.50', are rather weak. Careful adjustment of times and courses has resulted in good agreement with depths on surrounding hydrography.

Lat. 18-10.5' and Long. 65-41' to 42' -- Positions on the Southerly ends of sounding lines on k day, Lch. 1, were largely weak or swingers. They were adjusted by time, course and sum angle.

OVERLAYS

Positions and soundings on line 171 to 179k, Lch. 1, are being submitted on a smooth overlay. Soundings are in fair agreement with surrounding hydrography, but some of the fixes are weak and there are no established courses.

Positions and soundings on lines 35 through lo3 1, Lch. 3, are being submitted on a smooth overlay. All fixes are weak and there is undoubtedly some displacement in these development lines.

WRECKS

The shoal indication on the fathogram between 184 and 185a, Lch. 3, has many of the characteristics usually associated with wrecks. It is considered likely that this 22° sounding may be on the PD wreck charted about 600 meters to the Southeast.

CHART COMPARISON

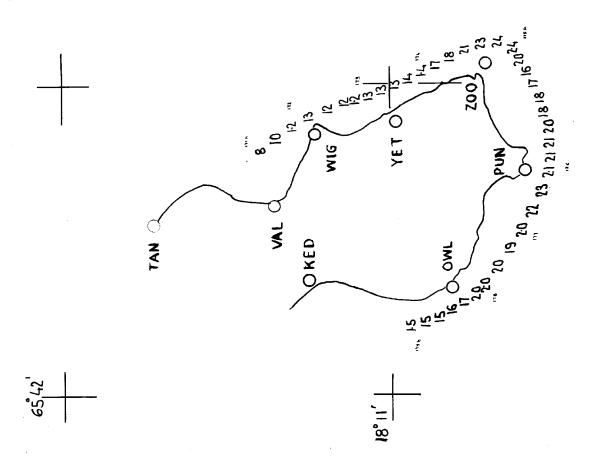
The smooth plotter has prepared a transparent overlay showing a comparison between the smooth sheet and the largest scale charts covering the area of the survey.

Norfolk, Va. 5 August 1965

Respectfully submitted,

Hugh L. Proffitt Supvr. Carto.

TO ACCOM PANY H-8638 EX-10-2-62 Pos.171798 Lch No 1



TIDE NOTE FOR HYDROGRAPHIC SHEET

June 1, 1966

Nautical Chart Division:

R. H. Carstens

Plane of reference approved in 24 volumes of sounding records for

HYDROGRAPHIC SHEET

8638

Locality:

Punta Lima

East coast of Puerto Rico

Chief of Party: E. L. Jones (1962)

Plane of reference is mean low water

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

Ensenada Honda, Puerto Rico Playa de Humacao, Puerto Rico

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

0.7 feet

Remarks Tide reducers for the following positions have been revised in red and verified.

<u>Vol</u> .	Position						
IV	el - 183 f6 - 69						
VII	132 - 44						

Chief, Tides and Currents Branch

FORM 197 (3-16-55) GEOGRAPHIC NAMES
Survey No. H-8638

Chi. Character Control of Control

	Or.	Ho. Ou	40. Or.	S. Mar	Trio List	7. 100 Q	0.60		25.	
Name on Survey	/ A	<u> </u>	<u>/ c</u>	<u> </u>	<u> E</u>	/ F	<u> </u>	<u>/ H</u>	/ K	_
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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. 8638

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

RECORD DESCRIPTION			AMOUNT			RECORD DESCE	AMOUNT	
SMOOTH SHEET			1		BOATS	3		
DESCRIPTIVE REPORT			l OVERL			AYS	6	
DESCRIPTION	DEPTH RECORDS	HORIZ.			OUTS TAPE ROLLS PUNCHED CARDS		ABSTRACTS/ SOURCE DOCUMENTS	
ENVELOPES	17 FARon	ues						
CAHIERS								
VOLUMES	24							
BOXES								

T-SHEET PRINTS (List)

2-Cronaflex Prints of T-12159

SPECIAL REPORTS (List)

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

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

FORM C&GS-946A (REV. 2-1-64) (PRES. BY HYDROGRAPHIC MANUAL, 6-94)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

VERIFIER'S REPORT HYDROGRAPHIC SURVEY, H -8638

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	CL	R	Part III - JUNCTIONS (Continued)	CL	R
Note: The verifier should first read the Descriptive Report for general information and problems. 1. The Descriptive Report was consulted, paragraphs checked if found satisfactory, and notations were made in soft black pencil regarding action taken. Remarks Required: None			10. Junctions with contemporary surveys were satisfactory except as follows: Remarks Required: Consider conditions after adjustments have been made; note adjustments made. Make special notes of Butt junctions and areas which are SUPERSEDED.		
2. 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 the Descriptive Report should include registry number and year. Remarks Required: None			Port 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 12. Condition of sounding records was satisfactory except as follows:		
Pårt II - SHORELINE AND SIGNALS 4. Source of shoreline signals . Remarks Required: List all surveys a. Give earliest and latest dates of photographs b. Field inspection date c. Field Edit date d. Reviewed-Unreviewed 5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: Discuss remaining differences. 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. Remarks Required: None 7. Objects on which signals are located and which fall outside of the high-water line have been described on the sheet. Remarks Required: List those signals still unidentified.			Remarks Required: Mention deficiencies in completeness of notes or actions for the following: (a) rocks (b) line turns (c) position values of beginning and ending of lines (d) bar check or velocity correctors (e) time recording (f) notes or markings on fathograms (g) was reduction of soundings accurately done? (h) was scanning accurate? (i) were peaks at uneven intervals missed? (j) were stamps completed? (k) references to adjacent features 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 Note: Make a cursory comparison preliminary to inking soundings in area of overlap. 8. All junctions of contemporary or overlapping sheets were transferred in colored ink and overlapping curves were made identical. Remarks Required: None 9. The notation in slanted lettering "JOINS H (19)" was added in colored ink for all verified contemporary adjoining or overlapping sheets. Those not verified are shown in pencil. Remarks Required: None			 14. The protracting and plotting of all unsatisfactory crossings were verified. Remarks Required: None 15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: None 		

NAUTICAL CHARTS BRANCH

survey no. <u>8638</u>

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
8/16/65	917	RKD.	Before After Verification and Review
, 7			Vart- applied.
3/9/66	923	(JP	Before Verification and Review
			Conties Constituen only
4/26/66	940	nnn	Before Verification and Review
			Partly applied
6/7/66	922	20 21/20	Before Asser Verification and Review
_			Partly applied
10/14/66	920	O. Svendsen	Portially applied thru Ch 917 Drg 9 Item 18 Before After Verification and Review
3-18 67	404	4. Johnson	Before After Verification and Review Partly Appel
			thru cht 917 dry #9
4/7/73	923	J. Sherman	Berther Verification and Review
7772	7-5	2 .	
11/3/77	923	D.W. Galvin	ADEQUATE Before Verification and Review
	3566	_	7
9/14/10	8222	& MB down	Before Verification and Review
152///	2566	C // 17/00/00/00/00	Cat 1
			Ada Verification and Review
8/12/20	25664	Btenland	^
1/ /	25663	0	Pilamente maken conforta abope
214-83	25650	EN Bodon	The state of the s
<u> </u>	1000	Jev Jev	and Review - Cat
2/6/62	250011-	B Ferrowberry	
5/2 /2 3	25640	72 1	Review
			Dy Ko 34
	1	L	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.

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