8471

Diag. Cht. No. 1002.

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. SO-1259 *Office No.* H-8471

LOCALITY

State Florida

General locality West Coast

Locality Peace River-North

1959

CHIEF OF PARTY

R. C. Munson

LIBRARY & ARCHIVES

DATE November 10, 1960

USCOMM-DC 5087

8471

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-8471

Field No. SO-1259

State Florida

General locality West Coast

Locality Peace River North

Scale 1:10,000 Date of survey 1959

Instructions dated 18 Dec. 1952, Supplemental Instructions dated 2 Mar. 1956, Revised Instructions dated 8 Sept. 1958.

Vessel USC&GS Ship SOSBEE

Chief of party Robert C. Munson

Surveyed by Bobby S. Woodruff

Soundings taken by XXXXXXXX graphic recorder, XXXXXXXXXX and Sounding Pole

Fathograms scaled by Personnel Ship SOSBEE

Fathograms checked by Personnel Ship SOSBEE & Norfolk Processing Office

Protracted by W.L. Jonns (Norfolk Processing Office)

Soundings penciled by W.L. Jonns

Soundings in XXXXXX feet at MLW XXXXXX and are true depths.

REMARKS: All Corrections have been entered and checked by the personnel of the Ship SOSBEE.

U. S. GOVERNMENT PRINTING OFFICE 777032

DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY NO. H-8471 (Field No. SO-1259)

West Coast of Florida 30 Mar. to 19 May 1959

Peace River North Scale 1:10,000

U.S.C.& G.S. Ship SOSBEE Robert C. Munson, Ch. of Party

A. PROJECT:

This sheet is part of Project CS-353, (originally 13530), with original instructions dated 18 December 1952, Supplemental Instructions dated 2 March 1956, Revised Instructions dated 8 Sept. 1958, Supplemental Instructions dated 27 Jan. 1956. Also applicable is Acting Director's letter 22/MEK, S-2-S dated 25 April 1955 which amends instructions on tides.

B. SURVEY LIMITS AND DATES:

This survey covers the northern portion of Peace River with the southern limit being Lat. ~~26°-58'~~ 26°57.98 N. and the northern limit being Lat. 27°-05' ~~.20~~ .55' N. The western limit is the western shore of the Peace River and the eastern limit is the eastern shore of the Peace River and east along Shell Creek to Long. 81°-57' ~~.30~~ 4.55' The hydrographic sheet limits are given in the Index of hydrographic sheets in attachment No. 11-Z of this report.

Junction was made with contemporary survey H-8469 (SO-1258) on the southwestern part of the sheet. (1958-59)

Work commenced on 30 March 1959 and ended on 19 May 1959. Progress of the work was very satisfactory.

C. VESSEL AND EQUIPMENT:

Soundings were from a 25-foot wooden skiff Number 735. Skiff 735, powered by two ten-horse-power outboard motors, has a maximum speed of about 6 knots and a turning radius of about 25 meters. The skiff was powered by one motor for most of the work. Skiff 735 operated from the Ship SOSBEE and from a dock at the Harbor Heights Country Club, Punta Gorda, Fla.

Where possible, soundings from the skiff were taken with a 808J type portable echo sounder number 140-SP. In shoal depths, about 3 feet or less, soundings were obtained by a pole graduated in feet. The method of sounding is indicated in the sounding volumes.

D. TIDES AND CURRENT STATIONS:

Portable automatic tide gages were established at Shell Point (Harbor Heights), Fla., Lat. 26°-59'.3" N. and Long. 81°-59'.63" W. and at Liverpool, Fla., Lat. 27°-01'.2" N., Long. 81°-58'.2" W. Tide Staffs were located as per letter, Ref. No. 36-53-982 dated 24 Feb. 1959 at Shell Creek Bridge, Lat. 26°-58'.6" N., Long. 81°-57'.5"W. and at North Peace River Bridge, Lat. 27°-05'.4" N., Long. 81°-59'.5" W.

The Shell Point Tide Gage (Harbor Heights) controlled the tides from the southwestern limits of the sheet to Lat. 27°-01'.30" N. and to Long. 81°-58'.6" W.

The Liverpool Tide Gage controlled the area from Lat. 27°-01'.5" N. and to 27°-04'.0" N.

The North Peace River Bridge Tide Staff controlled the area from Lat. 27°-04'.0" N. to the northern limits of the sheet.

The Shell Creek Bridge Tide Staff controlled the tides from Long. 81°-58'.6" W. to the extreme eastern limits of the sheet at the Shell Creek Bridge.

The Tide Zones are shown on the boat sheet.

The tide reducers for k day (22 April 1959) were taken from the Shell Point (Harbor Heights, Fla.) Tide Gage. The time factor is + $\frac{1}{2}$ hour and there is no range factor.

There were no current stations observed in the limits of this sheet.

E. SMOOTH SHEET:

The smooth sheet will be plotted by the NORFOLK PROCESSING OFFICE.

F. CONTROL STATIONS:

The two triangulation stations used were located in 1909 and in 1934. Both were relocated by the Tampa Photogrammetric Office personnel in 1956. All of the control for hydrography was located by photogrammetric means on sheets T-11388 E & N, T-10534, T-10533, T-10530, T-10531 and T-10532. There were no signals located by hydrographic means. Signals were of sufficient accuracy for control.

A list of signals with their origins is appended in attachment number 3-Z .

G. SHORELINE AND TOPOGRAPHY:

Shoreline and topography are from advance shoreline manuscripts T-11388 E & N, T-10534, T-10533, T-10530, T-10531 and T-10532 furnished by the Tampa Photogrammetric Office. See Review

Shoreline changes were made 100 meters NW of Signal PAR and 200 meters west of Signal PEP. In both cases the changes were sand spits that were located by hydrographic means. shown in red on S/S.

There is much construction work in progress on the western shore of the Peace River between signal KEY and signal CRY. Whidden Bay, north of signal DAN 1943, 1956, is being dredged and the shoreline will be changed considerably in this area. Because of the dredging work in this area, there were no soundings taken in the bay or along the shoreline. See Attachment 13-Z .

The topography of the area was checked by the hydrographic party and was found to agree with the photogrammetry.

The low water line was defined by the hydrographic party where possible. Where the River banks were steep the low water line was inaccessible and could not be developed.

H. SOUNDINGS:

Soundings were obtained with a model 808J portable echo sounder number 140-SP where possible. In water less than 3 feet, a 10-foot graduated pole was used. No unusual corrections were applied to the echo sounders.

I. CONTROL OF HYDROGRAPHY:

Hydrography was controlled by three point Sextant Fixes, and estimating the positions from one signal. In cases where three-point sextant fixes could not be used, the positions were controlled from shore-line detail, by estimating the location from natural objects such as the mouths of small inlets, islands, canals, bends in the river, etc.

Since the North Peace River is considerably less than 200 meters average width and the water is mostly shallow, the establishment of the required control for three point sextant fixes would have been exceedingly uneconomical. The lack of fixed positions was compensated for by additional positions referenced to natural features and complete notes in the Sounding Record, but irrespective of this, the smooth plotter will have to rely on the boat sheet to an unusual degree for the positions of the sounding lines.

J. ADEQUACY OF SURVEY:

The survey is complete and is adequate for charting. The survey complies with the requirements of the Hydrographic Manual and the project instructions.

The junction with the adjoining survey is satisfactory and no holidays or excessive differences exist. The depth curves can be adequately drawn at the junction.

Whidden Bay could not be surveyed because of the dredging operation in progress. The absence of soundings in this bay should not materially affect the completness of the chart.

K. CROSSLINES:

Crosslines constitute about 10 percent of the total hydrography. Crossings are in good agreement.

L. COMPARISON WITH PRIOR SURVEYS:

There are no prior surveys.

M. COMPARISON WITH CHART:

There is no chart. *sec 1255, 1/40,000 inset*

N. DANGERS AND SHOALS:

The shoals in the river are sand bars and sand spits that are located at the upper and lower ends of islands and on the inside banks of the curves in the river.

The snags, logs, and brush that are on both sides of Peace River and Shell Creek always present a danger to persons who do not know the area. There is a considerable amount of floating drift wood in the area and all boatmen should keep a sharp lookout.

O. COAST PILOT INFORMATION:

A special report on an area basis will be submitted under separate cover.

The controlling depth for Peace River North is four (4) feet. The following facilities for small boat owners are available:

a. 3 private docks at Harbor Heights.
b. fish camp and boat ramp at Liverpool.
c. Peace River fish camp at Lee Branch.

P. AIDS TO NAVIGATION:

There are no fixed or floating aids to navigation within the limits of this sheet.

Overhead cable crossings are at:

1. Crossing Peace River at signals EVA, PAR, VIA with an overhead clearence of 50 feet estimated.

2. Crossing Shell Creek at signals GIN and MAT with and overhead clearence of 50 feet estimated.

Bridges:

1. A new fixed bridge is being constructed at the northern limits of the sheet. The overhead clearence is estimated to be 15 feet and the horizontal clearence is estimated to be 50 feet.

   The old railroad bridge that was there has been removed.

2. A fixed railroad bridge is located at signal AGE. The vertical clearence is 8 feet at MHW and the horizontal clearence is 16 feet. SAL. R.R. φ 26°58.7' λ 81°58.45'

3. A fixed highway bridge is located at the extreme eastern limits of the sheet and has a vertical clearence of 4 feet at MHW and a horizontal clearence of 10 feet. φ 26°58.4' λ 81°57.7'

Q. LANDMARKS FOR CHARTS:

There are no landmarks for charts within the limits of this sheet.

R. GEOGRAPHIC NAMES:

Geographic names report will be submitted on an area basis.

S. SILTED AREAS:

There were no silted areas.

T. BY-PRODUCT INFORMATION:

None.

U. VELOCITY CORRECTIONS:

Barchecks were taken periodically throughout the hydrography and showed that the velocity correction was zero for all depths encountered.

V. MISCELLANEOUS: Note:

Due to the increase in small boating it is recommended that the 3' curve be shown on the chart.

Z. TABULATION OF APPLICABLE DATA:

*1. Boat Sheet.
*2. Black line tracings of Topographic Detail.
3. List of control stations.
4. Statistics.
5. Tide Note.
6. Descriptions of hydrographic stations.
**7. Recovery notes for topo and hydro stations.
*8. Tide records.
*9. Fathograms.
10. Velocity correction abstract (bar check).
11. Project CS-353 Sheet Index.
12. Approval Sheet.
13. Harbor Heights construction.

* Submitted under separate cover.

** Submitted by the Tampa District Office.

Submitted by,

Bobby S. Woodruff

Bobby S. Woodruff,
LT.(j.g.),USC&GS

Approved by,

Robert C. Munson

Robert C. Munson,
Lieut., USC&GS
Comdg. Ship SOSBEE.

LIST OF SIGNALS

N-8471 (80-1259)

Peace River North

NAME	SOURCE	REMARKS
AGE	•	
AGT	•	
ADD	•	
ADG	•	
AGE	•	
AHA	•	
AIH	•	
ALP	•	
ANP	•	
ANY	•	
AHW	•	
ANT	•	
APT	•	
ARM	•	
ART	•	
ASK	•	
AVE	•	
AXE	•	
BAS	•	
BEL	•	
BOX	•	
CAM	•	
CAR	•	
CAT	•	
COB	•	
COD	•	
COP	•	
COT	•	
COW	•	
CRY	•	
CUE	•	
CUR	•	
CUT	•	
DAM	1943,1956	TOPOGRAPHIC STATION
DAV	•	
DAY	•	
DEB	•	
DIP	•	
DIX	•	
EDG	•	
ELF	•	
ELM	•	
END	•	
EON	•	
ERA	•	
ERG	•	
EVA	•	

See Norfolk Office Signal List

LIST OF SIGNALS - Continued.

NAME	SOURCE	REMARKS
FAT	•	
FAR	•	
FED	•	
FET	•	
FEW	•	
FIG	•	
FIN	•	
FIT	•	
FOE	•	
GEO	•	
GET	•	
GID	•	
GIN	•	
GLENN 1934, 1956		△ STATION
[illegible]	•	
GUY	•	
HEM	•	
HER	•	
HIC	•	
HID	•	
HIS	•	
HOP	•	
JAP	•	
JAR	•	
JAW	•	
JAY	•	
JIB	•	
JIM	•	
JOB	•	
JOE	•	
JOY	•	
JUG	•	
KED	•	
KEN	•	
KEY	•	
KID	•	
KEN	•	
LAY	•	
MAG	•	
MAR	•	
MAT	•	
MAW	•	
MAX	•	
MED	•	
MET	•	
MEX	•	

LIST OF SIGNALS - Continued

NAME	SOURCE	REMARKS
[illegible]MID	•	
MIKE 1959		TOPOGRAPHIC STATION
[illegible]MIN	•	
[illegible]MOR	•	
[illegible]MOR	•	
[illegible]MUN	•	
NAT	•	
NAY	•	
NIG	•	
NIL	•	
NIP	•	
NOW	•	
NUT	•	
O'H.	•	
OLD	•	
ORA	•	
ORE	•	
OUT	•	
O'M.	•	
PAR	•	
PAU	•	
PEP	•	
PET	•	
PIE	•	
PIN	•	
PIT	•	
PIX	•	
[illegible]AX	•	
P'OL	•	
POT	•	
RED	•	
RIP	•	
ROT	•	
ROY	•	
RUB	•	
RUE	•	
RUN	•	
SAD	• [illegible]	
SAG	•	
SAL	•	
SKY	•	
SEK	•	
SHE	•	
SIP	•	
SIR	•	
SIX	•	
SKY	•	
SLY	•	
STEM		TOPOGRAPHIC STATION
SUB	•	

LIST OF SIGNALS - Continued

NAME	SOURCE	REMARKS
TEX	•	
TIT	•	
TUB	•	
USE	•	
VAL	•	
VAN	•	
VEX	•	
VIA	•	
WAD	•	
WAN	•	
WAR	•	
WAS	•	
WAX	•	[redacted]
WED	•	
WEE	•	
WHO	•	
WHY	•	
WIT	•	
YET	•	

• Photo - hydro STATIONS.

NORFOLK PROCESSING OFFICE
LIST OF SIGNALS
H-8571

TRIANGULATION STATIONS

GLEN GLEN, 1934-56

TOPOGRAPHIC STATIONS

105
SOURCE T-XXX30

Fig	Hid	Kim	Nig	Pit	Sis	Wed		

105
SOURCE T-XXX31

Art	Ask	Daw	Day	Fet	Hex	Kid	MIKE, 1959	
Now	Pin	Sir	Was	Wax				

105
SOURCE T-XXX32

Ave

105
SOURCE T-XXX33

Ann	Ant	Apt	Arm	Axe	Bag	Box	Cry	Cue
Cur	Cut	Deb	Dif	Dix	Fat	Far	Fed	Few
Fin	Fit	Foe	Hem	Her	His	Hop	Jug	Ked
Ken	Lay	Mag	May	Med	Mex	Moe	Mum	Nat
Nay	Nil	Nip	Nut	Pep	Pet	Pie	Pix	Ply
Pol	Pot	Set	Sex	She	Sip	Ski	Sly	STEM, 1959
Wad	Wag	Wan	War	Wee	Who	Why		

105
SOURCE T-XXX34

Ace	Act	Add	Ado	Age	Aha	Aim	Alp	Amp
Amy	Cam	Car	Cat	Caw	Cob	Cod	Cop	Cot
Cow	DAN,	1943-56	Ego	Elf	Elm	Emo	End	Eon
Era	Erg	Eva	Geo	Get	Gig	Gin	Gum	Guy
Jar	Jaw	Jay	Jib	Job	Joe	Joy	Mat	Maw
Max	Met	Mid	Mix	Mop	Mug	Mut	Old	Ora
Orb	Out	Owl	Par	Pad	Ram	Red	Rip	Rot
Roy	Rub	Rue	Rum	Sad				

SOURCE T-11388

Cab	Jap	Jim	Key	Mar	Oil	

STATISTICS

HYDROGRAPHIC SURVEY H-8471 (1959)

Project CS-353 Skiff No. 735

Peace River North

Portable Echo Sounder 140-SP

Date 1959	Day Letter	Volume No.	Pole Sdgs.	No. of Positions	Statute Miles Sdg.
30 Mar.	a	1	163	155	13.8
31 "	b	1	80	122	10.02
1 Apr.	c	2	136	130	11.61
2 "	d	2	5	14	0.62
3 "	e	2	35	129	11.84
6 "	f	3	40	139	16.33
7 "	g	3	73	104	10.12
8 "	h	3 & 4	189	106	11.78
9 "	j	4	48	106	10.80
22 "	k	4	43	130	14.60
23 "	l	5	21	121	10.55
24 "	m	5	53	70	11.50
19 May	n	5	2	20	1.60
TOTALS	13	5	645	1346	135.17

Square Statute Miles = 4.5

TIDE NOTE

H-8471 (SO-1259)

Soundings were reduced to MLW on the portable tide gages at:

LOCATION	LAT.	LONG.	MLW ON STAFF
Shell Point (Harbor Heights)	26°-59.3'N.	81°-59.63'W	2.5
Liverpool, Fla.	27°-01.2'N.	81°-58.2'W.	2.3

Soundings were reduced to MLW on the fixed tide staffs located at:

Shell Creek Bridge (U.S. HWY 17)	26°-58.6'N.	81°-57.5'W.	3.0
North Peace River Bridge (Old SAL RR. Bridge) 13.3 miles north of Cleveland, Fla.	27°-05.4' N.	81°-59.5'W.	2.4

The Shell Point Tide Gage (Harbor Heights) controlled the tides from the southwestern limits of the sheet to Lat. 27°-01'.5"N. and to Long. 81°-58'.6"W.

The Liverpool Tide Gage controlled the area from Lat. 27°-01'.5"N. to 27°-04'.0"N.

The North Peace River Bridge Tide Staff controlled the area from Lat. 27°-04'.0"N. to the northern limits of the sheet.

The Shell Creek Bridge Tide Staff controlled the tides from Long. 81°-58'.6"W. to the extreme eastern limits of the sheet at the Shell Creek Bridge.

The tide zones are sketched on the boat sheet.

The tide reducers for k day (22 April 1959) were taken from the Shell Point (Harbor Heights, Fla.) tide gage. The time factor is + ½ hour and there is no range factor.

ABSTRACT OF BAR CHECKS

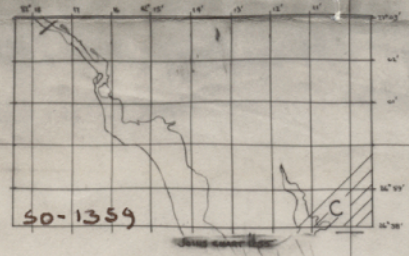
Skiff 735 - Sheet SO-1259

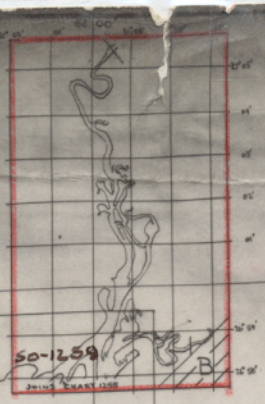
808J No. 140-SP

Depths in feet		4	6	8	10	12	15	20	Initial	Volume	Page
Dates 1959	Day	Correction in Feet									
30 March	a	0.0	0.0						0.4	1	6
31 "	b	0.0		0.0	0.0	0.0			0.4	1	40
	b	0.0	0.0	0.0	0.0				0.4	1	53
1 April	c	0.0	0.0	0.0	0.0	0.0	0.0		0.4	2	5
2 "	d	0.0	0.0	0.0	0.0	0.0	0.0		0.4	2	32
3 "	e	0.0							0.4	2	36
	e	0.0	0.0						0.4	2	63
6 "	f	0.0	0.0	0.0	0.0	0.0			0.4	3	5
7 "	g	0.0	0.0	0.0	0.0				0.4	3	35
	g	0.0	0.0	0.0					0.4	3	57
8 "	h				0.0	0.0	0.0		0.4	4	15
9 "	j	0.0	0.0						0.4	4	17
	j	0.0	0.0	0.0					0.4	4	36
22 "	k	0.0	0.0	0.0	0.0				0.4	4	62
23 "	l	0.0	0.0	0.0	0.0				0.4	5	26
24 "	m	0.0			0.0				0.4	5	43
19 May	n								0.4	5	

Attachment No. 10 - Z.

ATTACHMENT 12-2





SO-1358 A

PROJECT CS-353
PROPOSED SHEET LAYOUT
SHIP SOSBEE
1958 —
(BASED ON C&GS CHART 1255)

SO-1159 D

SO-1356 E

SO-1157 F

H G I J K L M N O P Q R S T U

Poor Copy

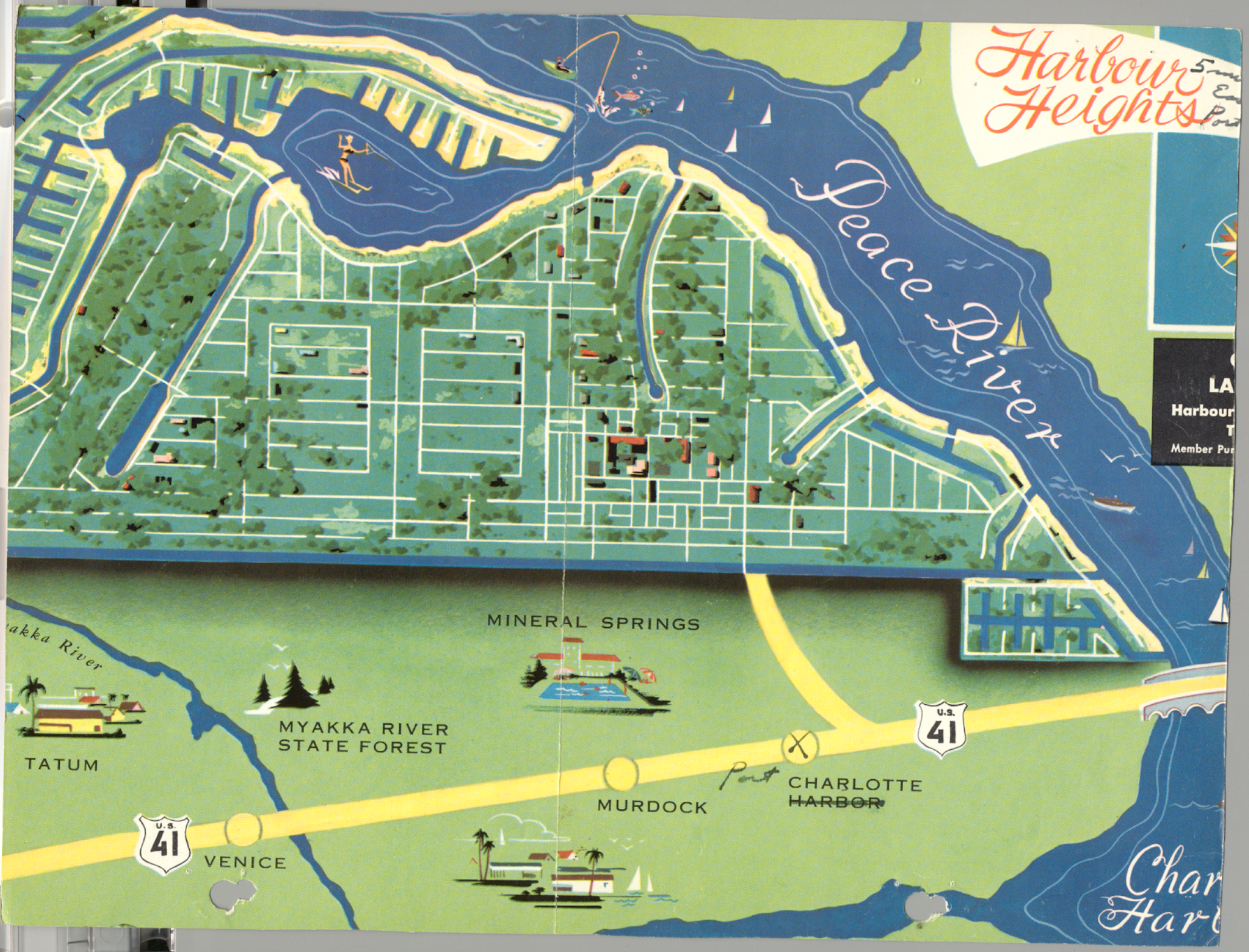
APPROVAL SHEET

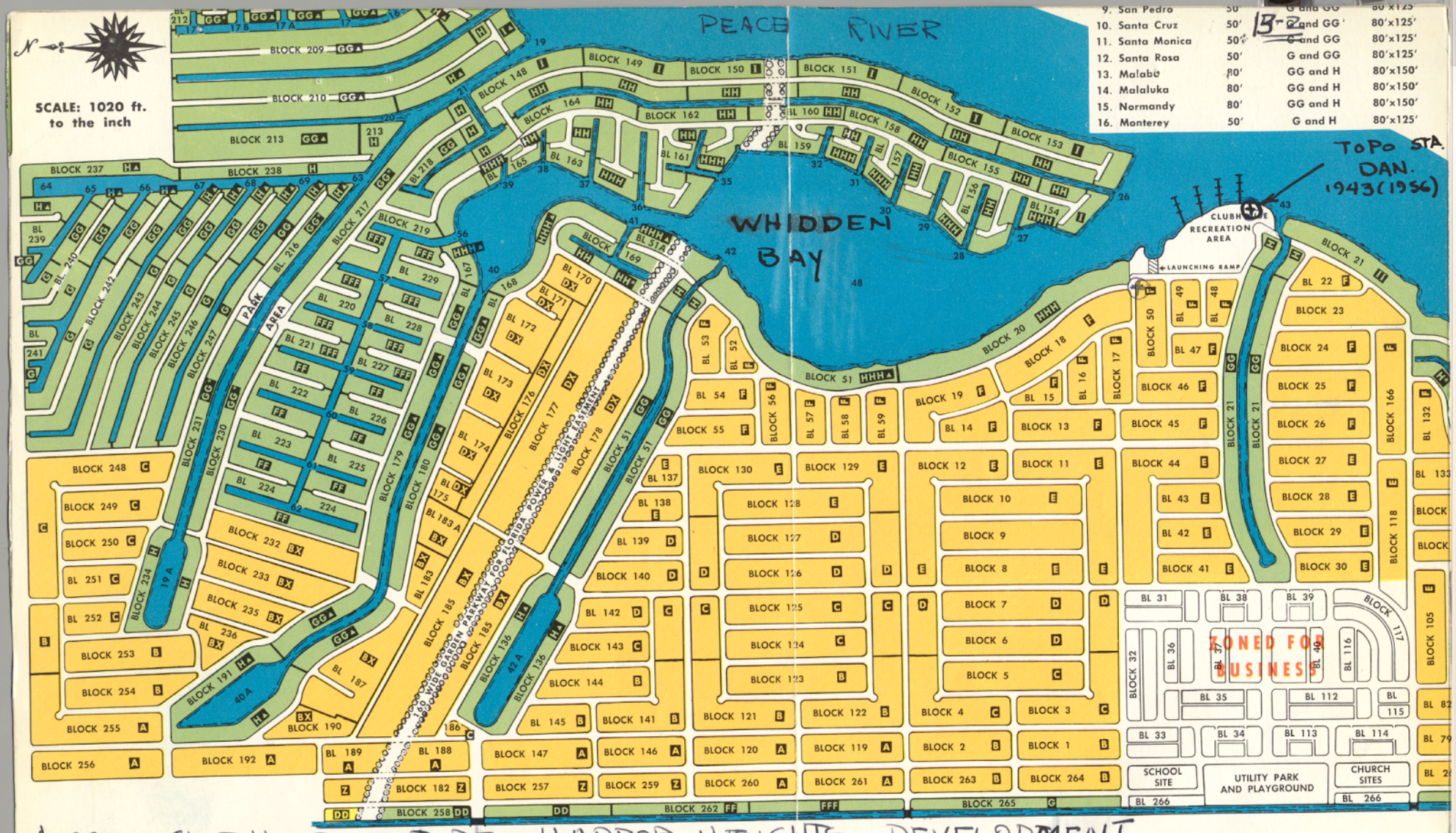
The boat sheet and all accompanying records are approved.

The Chief of Party conferred with the hydrographer and inspected the boat sheet after each day's work. It is believed that the survey is complete and adequate with the exception of Whidden Bay which was blocked off by dredging operations. This bay does not have enough importance to warrant completion after the ship has left the vicinity.

Robert C. Munson

Robert C. Munson,
Chief of Party


Harbour Heights
Peace River
LA
Harbour
T
Member Pur
MINERAL SPRINGS
MYAKKA RIVER
STATE FOREST
TATUM
U.S. 41
VENICE
MURDOCK
Port CHARLOTTE
HARBOR
U.S. 41
Char
Harb



9. San Pedro	50'	G and GG	80'x125'
10. Santa Cruz	50'	G and GG	80'x125'
11. Santa Monica	50'	G and GG	80'x125'
12. Santa Rosa	50'	G and GG	80'x125'
13. Malabo	80'	GG and H	80'x150'
14. Malaluka	80'	GG and H	80'x150'
15. Normandy	80'	GG and H	80'x150'
16. Monterey	50'	G and H	80'x125'

APPROX. SKETCH OF FUTURE HARBOR HEIGHTS DEVELOPMENT

RONT HOMESITES

– GG*
000 sq. ft.
per month
per sq. ft.

SECTION HH — HH*
80'x125' or approx. 10,000 sq. ft.
$3490
$81.00 per month
additional footage—35¢ per sq. ft.

SECTION IA
80'x150' or approx. 12,000 sq. ft.
$5270
$122.00 per month
additional footage—44¢ per sq. ft.

GA
000 sq. ft.

SECTION HHH
80'x125' or approx. 10,000 sq. ft.
$3790

SECTION II
'x125' or approx. 10,000 sq. ft.
$4790 All Sold

WATERVIEW HOMESITES

SECTION Z
80'x125' or approx. 10,000 sq. ft.
$990
$24.00 per month
additional footage—10¢ per sq. ft.

SECTION C
80'x125' or approx. 10,000 sq. ft.
$1390
$32.00 per month
additional footage—14¢ per sq. ft.

SECTION E
80'x125' or approx. 10,000 sq. ft.
$1590
$37.00 per month
additional footage—16¢ per sq. ft.

SECTION A
80'x125' or approx. 10,000 sq. ft.
$1190

SECTION D
80'x125' or approx. 10,000 sq. ft.
$1490

SECTION F
or approx. 10,000 sq. ft.
$1790

NORFOLK PROCESSING OFFICE
ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-8471 (So-1259)

GENERAL

This appears to be an excellent basic survey and no unusual conditions were encountered during the smooth plot. Soundings are in good agreement at crossings and development in important channels is adequate for drawing depth curves.

Respectfully submitted,

Hugh L. Proffitt
Cartographer

Norfolk Va.
7 November 1960

FORM 197
(3-16-55)

GEOGRAPHIC NAMES

Survey No. H-8471

Name on Survey	A: On Chart No. 1255	B: On previous survey No.	C: On U. S. quadrangle Maps	D: From local information	E: On local Maps	F: P. O. Guide or Map	G: Rand McNally Atlas	H: U. S. Light List	K: BGN	
Cleveland	x		x							1
Deep Creek			x							2
Hunter Creek			x							3
Jim Long Lake			x							4
Lettuce Lake			x							5
Lettuce Lake Cutoff			x							6
Liverpool Island			x							7
Mary Point			x							8
Peace River	x		x						x	9
Sans Souci			x							10
Shell Creek			x							11
Shell Point			x							12
Whidden Bay			x							13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

George M Bauer
GEOGRAPHIC NAMES SECTION
16 NOVEMBER 1960

Form 946

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8471

Records accompanying survey: Smooth sheets 1;

boat sheets 1; sounding vols. 5; wire drag vols. ;

Descriptive Reports 1; graphic recorder envelopes 5;

special reports, etc. 1 each Cronarflex prints T-10530 to 533

and 2-Each Cronarflex prints T-10534.

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

Number of positions on sheet		1346
Number of positions checked		6
Number of positions revised		0
Number of soundings revised (refers to depth only)		11
Number of soundings erroneously spaced		0
Number of signals erroneously plotted or transferred		0
Topographic details	Time	?
Junctions	Time	3
Verification of soundings from graphic record	Time	4
Special adjustments	Time	0

Verification by George F. Merrill Total time 195 hr. Date 3-22-62

Reviewed by Ernest E. Thomas Time 24 Date 5/25/62

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

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

30 November 1960

~~Division of Coastal Surveys:~~

Division of Charts: R.H.Carstens

Plane of reference approved in
5 volumes of sounding records for

HYDROGRAPHIC SHEET 8471

Locality Peace River, Fla.

Chief of Party: R.C.Munson (1959)
Plane of reference is mean low water reading.
2.5 ft. on tide staff at Shell Point, Fla.
7.0 ft. below B. M. 1 (1959)
2.3 ft. on tide staff at liverpool, Fla.
6.5 ft. below B.M. 1 (1959)

Height of mean high water above plane of reference is: 1.3 ft.

of the four stations shown on the smooth sheet, the two above were portable gages - the others were tide staffs and were used for reference purposes. RHC

Condition of records satisfactory except as noted below:

Burt W. Wilcox
Chief, Tides and Currents Branch
~~Chief, Division of Tides and Currents.~~

U. S. GOVERNMENT PRINTING OFFICE 877033

OFFICE OF CARTOGRAPHY

REVIEW SECTION -- NAUTICAL CHART DIVISION

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-8471 FIELD NO. SO-1259

Florida, West Coast, Peace River - North

SURVEYED: March - May, 1959 SCALE: 1:10,000

PROJECT NO. CS-353

SOUNDINGS: 808 Depth Recorder
Sounding Pole

CONTROL: Sextant fixes on shore objects. Estimated distances to shore features.

Chief of Party---------- R. C. Munson
Surveyed by---------- B. S. Woodruff
Protracted by---------- W. L. Jonns
Soundings plotted by--------- W. L. Jonns
Verified and inked by-------- G. F. Merrill
Reviewed by---------- E. E. Thomas
Inspected by---------- R. H. Carstens

1. Description of the area

This survey develops the north portion of the Peace River and its tributaries.

The winding river and creeks contain numerous shoals and deeps. The channels and shoal areas are generally well-delineated and apparent on the smooth sheet. Depths along the axis of the natural channel of this portion of Peace River ranges from 4 to 25 feet.

2. Control and shoreline

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

The shoreline originates with advance prints of photogrammetric surveys T-11388 of 1953-58, T-10530 through T-10534 of 1956-58, with revisions by the hydrographer in red.

3. Hydrography

a. Depths at crossings are in good agreement.

b. The standard depth curves are adequately delineated. The low-water curve was determined where practicable. The 3-ft. curve was added to further delineate the bottom configuration.

c. The development of the bottom configuration and investigation of least depths is considered adequate.

4. Condition of survey

The field plotting, sounding records, and Descriptive Report are adequate and conform to the requirements of the hydrographic manual.

5. Junctions

An adequate junction was effected with H-8469(1958-1959) to the south. The limit of the present survey on the north is the project limit.

6. Comparison with prior surveys

There are no prior surveys of the area by this Bureau.

7. Comparison with chart 1255 (latest print date 8/14/61)

A. Hydrography

The charted hydrography originates with the present survey prior to verification and review. There are no significant differences between the charted information in the area common with the present survey, except:

1. Numerous snags and alongshore foul areas on the present survey did not appear on advance survey information and are not charted.

2. The following survey items are not properly charted:

   a. Piling in lat. 27°00.9' long. 81°58.6'
   b. Wreck and Piling in lat. 27°02.4' long. 81°58.83'
   c. Pile in lat. 26°58.2' long 81°59.30'
   d. Visible wreck in lat. 26°57.9' long. 81°59.58' charted with sunken wreck symbol.
   e. The channel at lat. 26°58.7' long. 81°57.65' is charted on the wrong side of the creek.

3. The present charted shoreline from advance photogrammetric information lacks the completeness of detail as shown on the smooth sheet of the present hydrographic survey.

B. <u>Aids to navigation</u>

No aids to navigation are charted within the limits of the present survey.

8. <u>Compliance with instructions</u>

The survey adequately complies with the project instructions.

9. <u>Additional Field Work</u>

This survey is a good basic survey and no additional work is necessary.

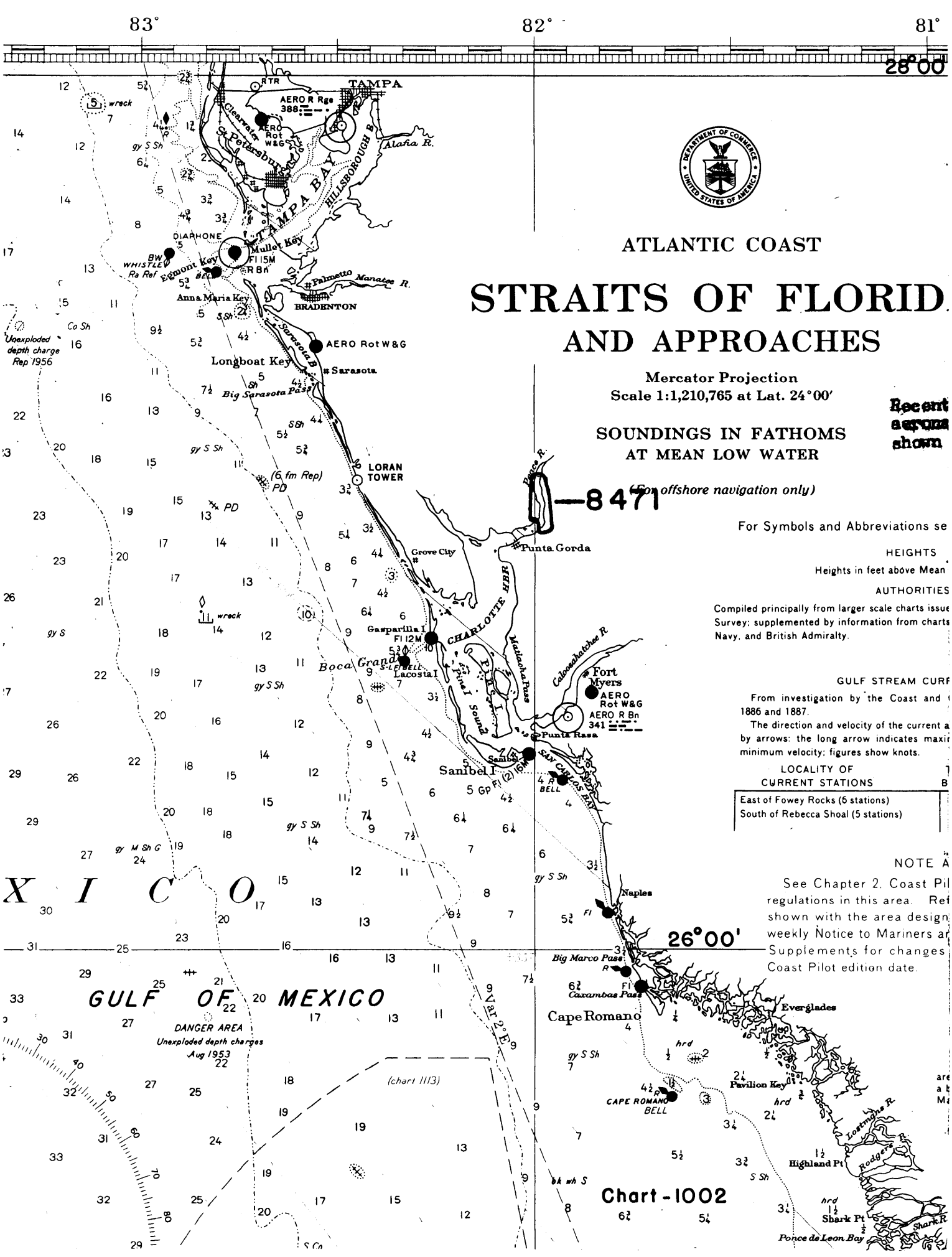
Examined and Approved:

Chief,
Nautical Chart Division

Assistant Director,
Office of Cartography

Projects Officer,
Operations Division

Assistant Director,
Office of Oceanography



ATLANTIC COAST

STRAITS OF FLORID
AND APPROACHES

Mercator Projection
Scale 1:1,210,765 at Lat. 24°00'

SOUNDINGS IN FATHOMS
AT MEAN LOW WATER

(For offshore navigation only)

Recent aeronautical charts shown

For Symbols and Abbreviations see

HEIGHTS

Heights in feet above Mean

AUTHORITIES

Compiled principally from larger scale charts issue Survey; supplemented by information from charts Navy, and British Admiralty.

GULF STREAM CURR

From investigation by the Coast and 1886 and 1887.

The direction and velocity of the current a by arrows: the long arrow indicates maxi minimum velocity; figures show knots.

LOCALITY OF CURRENT STATIONS	B
East of Fowey Rocks (6 stations)	
South of Rebecca Shoal (5 stations)	

NOTE A

See Chapter 2, Coast Pil regulations in this area. Ref shown with the area design weekly Notice to Mariners ar Supplements for changes Coast Pilot edition date.

NAUTICAL CHARTS BRANCH

SURVEY NO. H-8471

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
15 Feb 61	1255	Nichols	Before ~~After~~ Verification and Review Complete appl.
5/4/66	1255	W H Mall	~~Before~~ After Verification and Review
			Partially [redacted] applied with respect to review
2-27-73	1255	R.A. Lillis	fully applied ~~Before~~ After Verification and Review 4 Inap
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			Before After Verification and Review
			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.