

# 8192

Diag. Cht. Nos. 1255-2 and 1256.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. SO-1255 Office No. H-8192  
(Visual)

### LOCALITY

State Florida

General locality Gasparilla Sound & Lemon Bay

Locality Placid to Englewood

1955-56

CHIEF OF PARTY

Glenn W. Moore

LIBRARY & ARCHIVES

DATE September 2, 1958

B-1870-1 (1)

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10F1

819a

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-8192

Field No. 80-1255

State FLORIDA  
General locality ~~West Coast of Florida~~ Gasparilla Sound and Lemon Bay  
Locality ~~Lemon Bay - So. Part~~ Placida to Englewood, Fla.  
Scale 1:10,000 Date of survey 1955 and 1956  
Instructions dated 18 Dec. 1952 & amendment for para. 31 - 25 Apr. 1955.  
Vessel Ship SOSBEE  
Chief of party Comdr. R. C. Bolstad and Glenn W. Moore  
Surveyed by Lt. (j.g.) W.V. Warner, Lt. W.D. Barbee and  
Ens. W. M. Tidwell.  
Soundings taken by hydrographer, graphic recorder, ~~hydrographer~~  
Fathograms scaled by Personnel of Ship SOSBEE  
Fathograms checked by " " " "  
Protracted by R.D. Lynn  
Soundings penciled by R.D. Lynn  
Soundings in ~~fathoms~~ feet at MLW ~~MLW~~ are true depths

REMARKS:

DESCRIPTIVE REPORT  
TO ACCOMPANY

HYDROGRAPHIC SURVEY NO. H-8192 (Field No. 80-1255)  
West Coast of Florida 19 Sept. 1955 to 22 May 1956  
Lemon Bay Placida to Englewood, Fla.  
USC&GSS SOSBEE Roswell C. Bolstad, Ch. of Party  
Scale 1:10,000

A. PROJECT:

Part of Project CS-1353 (originally CS-353), original instructions dated 18 Dec. 1952. Also see acting Directors letter "22/MEK, S-2-SO" dated 25 April 1955 for amendment to paragraph 31 on tides. ✓

B. SURVEY LIMITS AND DATES:

The survey includes the waters of Lemon Bay south of Englewood and the waters of Gasparilla Sound north of Placida. All junctions are to be made with contemporary surveys as shown on the Index of Sheets included in the applicable data of this report. Work was held up in Dec. for the semi-annual haul-out of the SOSBEE and also during Dec. and Jan. by the low daytime tides. ✓

C. VESSELS AND EQUIPMENT:

All sounding was done from a 25 foot wooden skiff, No. 735, powered by two ten-horsepower outboard motors. Maximum speed for the skiff is about 6 knots and the turning radius is roughly 25 meters. ✓

Portable fathometers model 808J, numbers 115-S and 140-SP were used for sounding where depth and character of the bottom allowed.

A wooden pole, graduated in feet, was used for all other soundings (usually for depths under 5 feet).

D. TIDE AND CURRENT STATIONS:

The tide gage at Sarasota, Fla. with a minus 30 minute correction was used to reduce soundings in the Stump Pass area. The break-off line is shown on the boat sheet in violet and covers the area roughly 0.5 miles inland from the mouth of Stump Pass. ✓

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D. TIDE AND CURRENT STATIONS: Cont.

The tide gage at Englewood, Fla. on the bridge to Punta Gorda Beach was used to reduce all soundings south of this bridge to a east - west line at Lat.  $26^{\circ} - 53'.1$  N. ✓

The Tide Gage near the ferry landing at Placida, Fla. was used to reduce soundings south of Lat.  $26^{\circ} - 53'.1$  N. ✓

The tide staff at Englewood, Fla. was read and recorded for days 7 and 13 March 1956. This data is inclosed for tide reducers.

No Current Stations were observed on this sheet.

E. SMOOTH SHEET:

The smooth sheet will be plotted by the NORFOLK PROCESSING OFFICE. A 36" X 60" sheet will have to be slightly skewed so that hydrography will not be closer than 3 inches from the edges of the sheet. ✓

F. CONTROL STATIONS:

Some dozen or more U.S.E. Triangulation Stations, established in 1938 were used in the control of hydrography. Also was  $\Delta$  TANK, 1955 located by this party, R. C. Bolstad, Comdg., from  $\Delta$  TT 43 JA, U.S.G.S., 1952.

Topographic stations were located from photogrammetric methods and are shown on shoreline manuscripts T-11386, T-11389, and T-11392. ✓

A copy of the list of stations used and their origin is part of the applicable data of this report.

G. SHORELINE AND TOPOGRAPHY:

Shoreline and topography are from shoreline manuscripts T-11386, T-11389, and T-11392; photos of 1953, *field insp'n 1954-55*. ✓

Shoreline changes made by the hydrographer are:

1. Stamp Pass area, change due to natural causes. The HWL on these points in the immediate area of the pass entrance were revised as shown in red ink. Detached sextant fixes and notes during hydrography were used to determine the adjustment. ✓
2. At Lat.  $26^{\circ} - 54'.<sup>8</sup>/<sub>4</sub>$  N., Long.  $82^{\circ} - 20'.1$  W., the HWL was revised as shown in red ink using sextant fixes. Apparently further development of the area necessitated the revision. ✓

G. SHORELINE AND TOPOGRAPHY: Cont.

3. At Lat.  $26^{\circ}-54'.1$  N., Long.  $82^{\circ}-19'.6$  W., the HWL was revised as determined by sextant fixes. The change is apparently man-made and is shown in red ink. ✓
4. At Lat.  $26^{\circ}-53'.9$  N., Long.  $82^{\circ}-19'.4$  W., a new slip has been sketched in dashed red using pos. 88g to carefully estimate the revision. ✓
5. At Lat.  $26^{\circ}-53'.55$  N., Long.  $82^{\circ}-19'.05$  W., the general area indicated on the Boat Sheet is being developed. ✓

The MHWL in Little Gasparilla Pass was located by plane-table on 10 March 1955 using signals VAL, OBI, and OIL for control. (*Plane table shoreline on overlay tracing inserted in Desc. Rep.*) ✓

The low range of tide prevented delineation of the low water line. Also holding back development of the LWL were the irregular shoreline and numerous oyster bars and off-shore shoals. The character of the beach along mangrove shoals is such that depths from 0.6 to 1.0 feet are found immediately off the high water line. ✓

H. SOUNDINGS:

Model 808J portable depth recorder No. 115-S and 140-SP were used on various occasions.

Soundings too shallow to be indicated correctly on the fathometer were obtained with a wooden pole graduated in feet. ✓

Corrections to Soundings are covered in Section V.

I. CONTROL OF HYDROGRAPHY:

Hydrography was controlled by sextant three-point fixes when possible. Other positions were carefully estimated from shoreline detail or signal location. ✓

Estimated positions were marked "SBS" (See Boat Sheet) in the sounding record space for control data.

J. ADEQUACY OF SURVEY:

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

Junctions with adjoining surveys are adequate and depth curves are continuous at the junctions.

K. CROSSLINES:

Crosslines constituting 8% of the total hydrography were run. In some cases disagreements of 1 foot or less were noted on the boat sheet, but investigation showed that these anomalies would be satisfied on the smooth sheet. ✓

L. COMPARISON WITH PRIOR SURVEYS:

The most recent surveys of the U. S. Engineers were available for comparison. The Intercoastal Waterway Survey; Caloosahatchee River to Withlacoochee River, Fla.; Caloosahatchee - Anclote Section; Scale 1:5,000; 1938; file no. 41-12,208; sheets 27, 28, 29, and 30 were compared in the applicable areas. 431 (Bp 33309-13) ✓

Considerable dredging has been done in Little Gasparilla Pass and vicinity, changing both the bottom and the shoreline. These four sheets are being sent to the processing office with the boat sheet. *these sheets, not available for review, may show revisions not in our copies (Bp 33309-13) which carry file No. 41-12,208; however, the Jacksonville District, C. & E., Project Maps show no project for Little Gasparilla Pass.*

M. COMPARISON WITH CHART:

Comparison was made with Chart No. 1255, print date 54-2/15.

Numerous revisions of the sand and mangrove shoreline should be made on the chart. Present soundings on the chart are of little navigational use. To utilize the present survey the three foot curve should be charted. ✓

N. DANGERS AND SHOALS:

There are no important newly found dangers and shoals. While new dangers and shoals were found, their presence on the chart would be of little consequence until this chart is completely revised using this new survey. There are no presently charted dangers or shoals meriting attention. ✓

O. COAST PILOT:

A special coast pilot report is to be made by this party at a latter date which will cover the area of this survey.

Navigation of the area is difficult. There are only privately maintained markers to indicate the most important channels.

Four to five feet of water can be found by careful navigation through Stump Pass northward to the Englewood Bridge and to the southern part of Lemon Bay. Presently Stump Pass is best entered on a E'ly course.

Four feet can be carried into the alongshore channels at Lat. 26°-55'.80 N., Long. 82°-20'.55 W. by following the privately maintained markers. Three feet can be carried

O. COAST PILOT: Cont.

northward from this point by careful navigation of the alongshore channel.

Privately maintained piling mark the deep water channel up Lemon Bay from  $\frac{1}{2}$  mile NE of Stump Pass to the Englewood Bridge.

Strong currents of an estimated 2 to 3 knots were encountered around Stump Pass.

Little Gasparilla Pass located in Lat.  $26^{\circ}-50'.3$  N. and Long.  $82^{\circ}-18'.0$  W. has been dredged and the bar off the entrance is shoaling rapidly. At the time of the survey the channel had shoaled at least 2' since it was dredged in 1955 and it is believed the Pass has ~~shoaled~~ more since the survey was completed. The controlling depth at the time the survey was made was 3 to 4 feet. Inside the Pass there are channels that go northwest, east and south-east with depths of about 5 feet. The bottom characteristic is sand and broken shell. Currents estimated at 1 to 2 knots were encountered around and in the pass. There are no channel markers in this area.

P. AIDS TO NAVIGATION:

Only privately maintained aids exist in the area of the survey and they were not reported on form 567. There are no ranges or floating aids in the area.

The following is a list of unofficial aids to navigation, origin and maintenance unknown. Piling are of homemade nature.

1. Lone piling at Lat.  $26^{\circ}-54'.38$  N., Long.  $82^{\circ}-20'.21$  W. marking E'ly end of shoal. (© PRO) ✓
2. Lone piling at Lat.  $26^{\circ}-54'.53$  N., Long.  $82^{\circ}-20'.27$  W. marking ENE'ly side of channel. (© RAT) ✓
3. Lone piling at Lat.  $26^{\circ}-54'.68$  N., Long.  $82^{\circ}-20'.35$  W. marking ENE'ly side of channel. (© DUD) ✓
4. Lone piling at Lat.  $26^{\circ}-54'.87$  N., Long.  $82^{\circ}-20'.44$  W. with pointer and reflector marking ENE'ly side of channel. (© AMY) ✓
5. Lone piling with pointer at Lat.  $26^{\circ}-54'.98$  N., Long.  $82^{\circ}-20'.52$  W. marking WSW'ly side of channel. (© ICE) ✓
6. Lone piling with pointer at Lat.  $26^{\circ}-55'.16$  N., Long.  $82^{\circ}-20'.57$  W. marking ENE'ly side of channel. (© HOE) ✓

P. AIDS TO NAVIGATION: Cont.

7. Lone piling with pointer at Lat. 26°-55'.29 N., Long. 82°-20'.72 W. marking WNW'ly side of channel. (G DAY) ✓
8. Lone piling at Lat. 26°-55'.30 N., Long. 82°-20'.70 W. marking SW'ly edge of shoal. ✓
9. Lone piling at Lat. 26°-55'.39 N., Long. 82°-20'.72 W. marking SSE'ly end of shoal. (G CRY) ✓
10. Lone piling with pointer at Lat. 26°-50'.48 N., Long. 82°-20'.89 W. marking NE'ly edge of shoal. (G ALP) ✓

The above listed piling mark the deep water channel from  $\frac{1}{2}$  mile northeast of Stump Pass to just south of the Englewood bridge. The following markers branch off from this channel to the southeast of above piling listed under item 9.

11. Lone piling at Lat. 26°-55'.55 N., Long. 82°-20'.825 W. marking NE'ly tip of shoal. ✓
12. Lone piling with pointer at Lat. 26°-55'.60 N., Long. 82°-20'.84 $\frac{3}{4}$ W. marking SW'ly tip of shoal. ✓
13. Lone piling with pointer at Lat. 26°-55'.68 N., Long. 82°-20'.85 $\frac{1}{2}$ W. marking SW'ly tip of shoal. ✓
14. Lone piling with pointer at Lat. 26°-55'.725 N., Long. 82°-20'.73 W. marking NNW'ly side of channel. ✓
15. Lone piling with pointer at Lat. 26°-55'.76 N., Long. 82°-20'.63 $\frac{1}{4}$ W. marking ENE'ly tip of shoal. ✓
16. Lone piling with pointer at Lat. 26°-55'.79 N., Long. 82°-20'.64 $\frac{3}{4}$ W. marking W'ly tip of shoal. (G FIN) ✓
17. Lone piling with pointer at Lat. 26°-55'.81 N., Long. 82°-20'.58 W. marking ESE'ly tip of shoal. ✓

The following two piling mark the NW'ly edge of a shoal:

18. Lone piling at Lat. 26°-55'.19 N., Long. 82°-21'.02 W. (G BIG) ✓
19. Lone piling at Lat. 26°-55'.24 N., Long. 82°-20'.98 W. (G LOG) ✓

The following private aids mark the channel at the north end of Gasparilla Sound:

20. A lone piling in Lat. 26°-50'.46 N., Long. 82°-17'.<sup>.23</sup>33 W. which marks the westerly edge of the channel. (G BAH) ✓

P. AIDS TO NAVIGATION: Cont.

21. A lone piling, Cape Haze Daybeacon 9, in Lat. 26°-50'.58 N.,  
82°17.33' Long. 82°-17'.W. which marks the westerly edge of  
channel. ( @ AVE) There is a channel which runs east  
and west from Gulf to small boat basin. This also marks  
the S'ly edge of this channel. ✓
22. A lone piling, Cape Haze Daybeacon 5, Lat. 26°-50'.4<sup>8</sup> N., ✓  
Long. 82°-17'.06 W. ( @ CAR) which marks the main channel.
23. A lone piling, Cape Haze Daybeacon 3, Lat. 26°-50'.41 N., ✓  
Long. 82°-16'.98 W. ( @ DIM) which marks the westerly  
edge of a 2 foot shoal.
24. A lone piling, Cape Haze Daybeacon 1, Lat. 26°-50'.26 N., ✓  
Long. 82°-16'.81 W. ( @ EGO) which marks the W'ly edge  
of the channel.
25. A lone stake with white painted board nailed to top  
at Lat. 26°-49'.89 N., Long. 82°-17'.09 W. ( @ FEW,  
hydro signal) which marks the E'ly edge of channel. ✓

See attached sheet listing Bridges and Overhead Cables for  
this area and listed in Tabulation of Applicable Data.

Q. LANDMARKS FOR CHARTS:

A landmarks report will be made on a project basis.

There are no recommended landmarks in the area of the survey. ✓

R. GEOGRAPHIC NAMES:

A complete investigation of geographic names was not re-  
quired, see paragraph 44 of the INSTRUCTIONS. ✓

During the hydrographic operations no discrepancies were  
noted.

S. SILTED AREAS:

According to information obtained locally and hydrography  
done by this party, the dredged channel in Little Gasparilla  
Pass and the bar off the entrance are shoaling. ✓

T. BY-PRODUCT INFORMATION:

None.

U. DEPTH CURVES:

For the area of the survey the most important depth curve  
would be the 3 or 4 foot one. To utilize this survey the

U. DEPTH CURVES: Cont.

new chart should show the 3 foot depth curve. <sup>3-ft. curve</sup> <sub>shown on smooth sheet.</sub>

Some of the area was extremely cut up, and hydrographic development was impractical. In these areas a careful estimation of the curves was made, using the available soundings and field photograph indications. ✓

V. CORRECTIONS:

All of the water on this sheet is shallow and it was not necessary to prepare a velocity correction abstract. Bar checks were taken and the initial set so that correction was zero both at 5 and 10 feet. This setting was 0.6 feet most every day. The fathograms were scanned for any variation from the correct setting and initial corrections were entered in the first column of corrections in the record books. This same column is used for Lead Line corrections which were always zero. The only other correction is that for tide. ✓

WXY: -

Z. TABULATION OF APPLICABLE DATA:

1. Statistics
2. Tide Note
3. Approval Sheet
4. Index of Sheets
5. List of Stations
6. Topography - Little Gasparilla Pass - 10 March 1955.
7. Staff Readings for days 7 and 13 March 1956.
8. Bridges and Overhead Cables.

*William M. Tidwell*  
William M. Tidwell,  
Ensign, U.S.C. & G.S.

# STATISTICS

For Hydrographic Survey H-8192

Field No. 80-1255

Volume Number	Day Letter	Date	Pole Soundings	Number of Positions	Statute Miles of Sounding
1955					
1	a	7 Oct.	57	38✓	3.1 3
1	b	13 "	83	100✓	16.8 3
1	c	3 Nov.	205	136✓	14.8 2
2	d	8 "	609	148✓	15.9 7
2	e	9 "	57	30✓	2.3 0
2 & 3	f	10 "	417	173✓	19.6 0
3	g	14 "	500	176✓	13.8 3
3 & 4	h	15 "	373	180✓	16.9 3
4	i	16 "	548	189✓	26.2 0
4. & 5	j	23 "	553	188✓	20.7 1
1956					
5	l	5 Jan.	28	8✓	0.9 1
5	m	7 Feb.	139	74✓	8.3 1
5 & 6	n	8 "	136	100✓	10.4 0
6	p	13 "	350	95✓	9.8 2
6	q	7 Mar.		41✓	4.81 0
6 & 7	r	12 "		123✓	13.6 0
7	s	13 "		95✓	9.7 0
7	t	15 "		18✓	1.6 0
7	u	16 "		62✓	6.32 4
7	v	30 Apr.	18	12✓	1.03 0
7	w	22 May	CP	8✓	1.50 0
Totals				1994✓ 15	208.1 30

Area Square Statute Miles = ?

TIDE NOTE  
80-1255 (H-8192)

Portable automatic tide gages were operated at Sarasota, Englewood and Placida, Florida.

Placida gage was used to reduce all soundings south of Lat.  $26^{\circ}-53.1'$  N. and Englewood gage north of that parallel. Sarasota gage (-) 30 Minutes was used to reduce soundings in the Stump Pass area. The break off line is shown on the boat sheet in violet and covers the area roughly 0.5 mile inland from the mouth of Stump Pass.

On two days, 7 and 13 March 1956, the tide staff at Englewood was read and recorded. These readings are attached to this report.

The Sarasota gage was at Lat.  $26^{\circ}-20.0'$  N., Long.  $82^{\circ}-32.7'$  W. and the zero of the tide staff was 1.5 feet below Mean Low Water according to letter 36fj of 20 April 1953.

The Englewood gage was at Lat.  $26^{\circ}-55.98'$  N., Long.  $82^{\circ}-21.25'$  W. and the zero of the tide staff was 2.0 feet below Mean Low Water according to letter 36-79-982 of 19 August 1955.

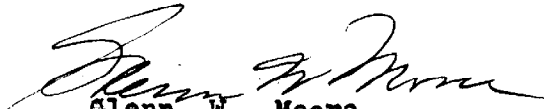
The Placida gage was at Lat.  $26^{\circ}-49.86'$  N., Long.  $82^{\circ}-16.02'$  W. and the zero of the tide staff was 1.7 feet below Mean Low Water according to letter 36-59-982 3 February 1956

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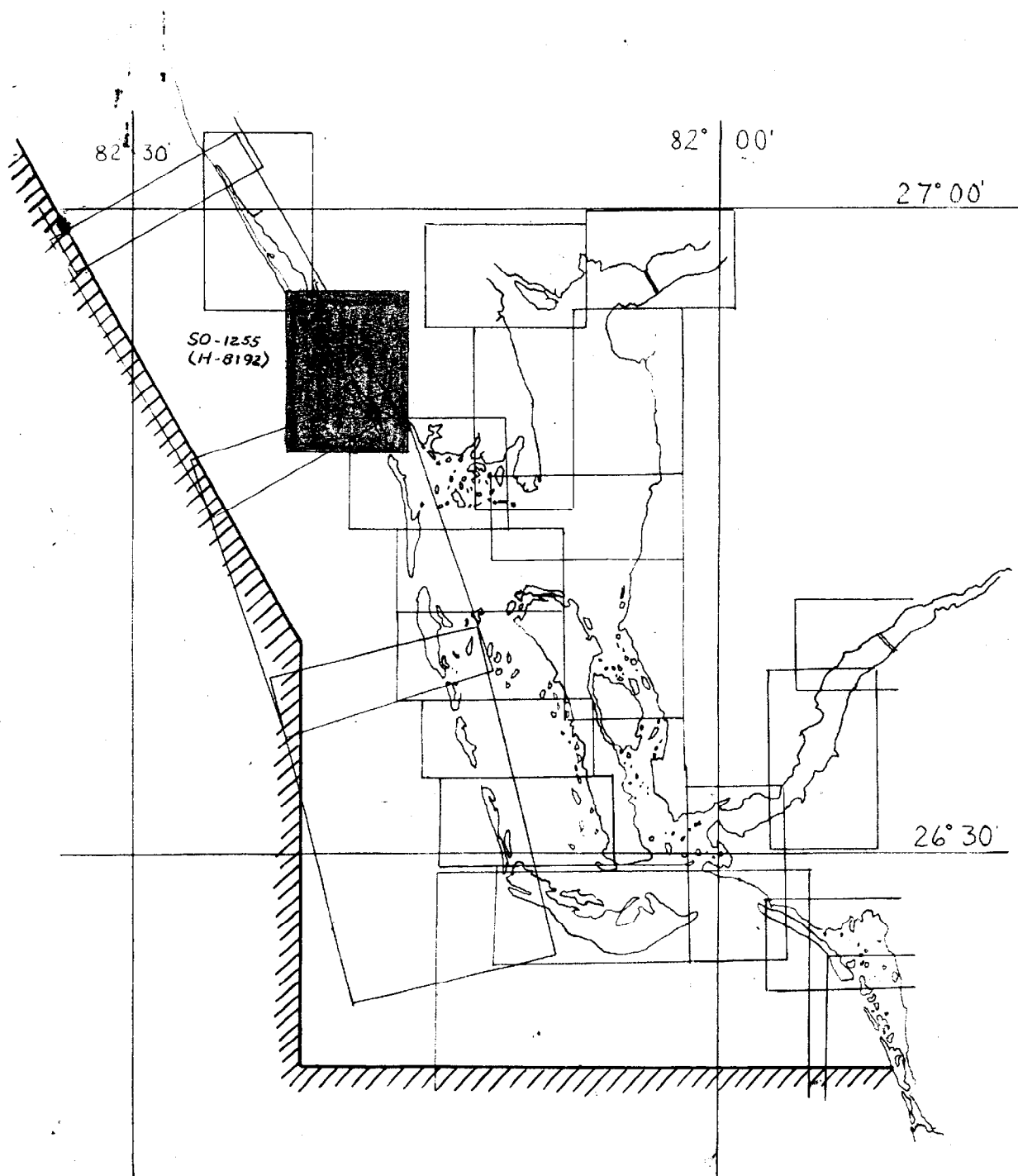
APPROVAL SHEET

The survey of the area covered by H-8192 (SO-8192) is adequate for charting purposes. The major portion of the work on this sheet was done while Comdr. Roswell C. Bolstad was commanding the SOSBEE. All work done after 11 January 1956 most of which consisted of running splits was supervised by the undersigned.

No additional field work is recommended.



Glenn W. Moore  
Comdr., U.S.C. & G.S.  
Comdg. Ship SOSBEE



**INDEX OF SHEETS**

**PROJECT CS-353**

**(Southern Part)**

# LIST OF SIGNALS

SO - 1255

Name	T-Sheet No.	Signal No.	Remarks
ABE	- 11392	- 9243	
ACE	- 11392	- 9276	
AGO	- 11386	- 8619	
AIL	- 11392	- 9210	(Equals 0 OIL SO-2155b)
ALP	- 11389	- 8991	
AMY	- Hydro	Signal	Vol. 2, pp. 35
ARM	- 11389	- 8937	
ART	- 11392	- 9271	Hydro Sig - Trans from SO-1155
AVE	- 11392	- 9293	- Cape Haze Yacht Basin Daybeacon "9"
AXE	- 11389	- Hydro	Signal Vol. 3, pp. 10
AZO	- 11392	- 9259	
BAG	- 11389	- 8911	
BAH	- 11392	- 9294	- Cape Haze Yacht Basin
BAT	- 11389	-	Daybeacon "7"
BED	- 11386	- 8623	
BIB	- 11392	- 9258	
BIG	- 11389	- 8987	
BOA	- 11389	- 8934	
BOB	- 11389	- 8903	
BUM	- 11389	- 8933	
BUT	- 11392	- 9234	
CAB	- 11389	- 8910	
CAR	- 11392	- 9295	- Cape Haze Yacht Basin Daybeacon "5"
CAT	- Hydro	Signal	Vol. 1, pp. 3.
COD	- 11389	- 8928	
CON	- 11389	- 89101	
COP	- 11392	- 9233	
CRY	- 11389	- 8990	
DAY	- 11389	- 8989	
DEB	- Hydro	Signal	- Vol. 3, pp. 25.
DIM	- 11392	- 9296	- Cape Haze Yacht Basin
DOC	- 11389	- 8938	Daybeacon "3"
DIX	- 11392	- 9241	
DOG	- 11389	- 89100	
DON	- Hydro	Signal	- Vol. 1, pp. 5.
DOT	- 11389	- 8913	
DUD	- Hydro	Signal	- Vol. 2, pp. 34.
DUO	- Hydro	Signal	- Vol. 1, pp. 3.
EAT	- 11392	- 9219	
EBB	- 11392	- 9235	
EGG	- 11389	- 8914	

Photogrammetric Station

# LIST OF SIGNALS - Cont.

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Name	T-Sheet No.	Signal No.	Remarks
EGO	11392	9297	- Cape Haze Yacht Basin Daybeacon "1"
EIG	Hydro Signal		- Vol. 5, pp. 71.
ELF	11389	8939	
ELM	11392	9220	
EMO	Hydro Signal		- Vol. 1, pp. 3.
ERA	11389	8972	
EVA	11389	8962	
FEW	Hydro	Vol. 5, pg. 37	
FEZ	11389	8916	
FIG	11392	9224	
FIN	11389	8996	
FIX	Hydro Signal		- Vol. 5, pp. 30.
FIVE	Hydro Signal		- Vol. 5, pp. 71.
FLY	11392	9236	
FOG	11389	89118	
FOP	11392	9248	
FOX	11389	8915	- LBX USED 1938
FUN	11389	8971	
GAS	11389		
GAG	11392	9256	
GAL	11389	8919	
GAM	11392	9237	
GEM	11392	9274	- N-AXIS MON. CUT CV-7, USED 1938
HAG	11389	8920	
HOE	Hydro Signal		- Vol. 2, pp. 35.
HUT	11392	9240	
I			
ICE	Hydro Signal		- Vol. 2, pp. 35.
IDA	11389	89117	- LBZ USED 1938
ION	11389	8969	
IRK	11389	8921	
ITS	11392	9238	
IVY	11389	8929	
JIB	11389	8922	
JIM	11392	9246	
JOB	11389	8930	
JOE	11389	8936	- LBAA USED 1938
JUDY	<i>Topo</i> <del>A Station</del>	<del>T-11389</del>	- JUDY, 1954
JUT	11389	8949	
KED	11389	8935	
KEY	11389	8912	
KID	11392	9247	
KIM	11389	8931	
KEN	11392	9204	
LAD	11389	8947	

# LIST OF SIGNALS - Cont.

SO - 1255

Name	T-Sheet No.	Signal No.	Remarks
LAY	-	11389	- 8948
LAM	-	11389	- 8963
LAX	-	11389	- 89116
LEG	-	11392	- 9275
LEO	-	11389	- 8932
LET	-	11389	- 89113
LIP	-	11389	- 8960
LIZ	-	11389	- 89111
LOG	-	11389	- 8988
LOW	-	11389	- 89109
LUG	-	11389	- 89107
MAN	11392	9251	<del>XXXXXXXXXXXX</del>
MAG	-	Hydro Signal	- Vol. 5, pp. 71.
MAL	-	11392	- 9298
MAW	-	11392	- 9290
MAX	-	11389	- 8944
MET	-	11392	- 9242
MIG	-	11392	- 9230
MOP	-	11392	- 9255
MUM	-	11392	- 9224
NEW	11392	9226	
NAY	-	11389	- 8957
NAT	-	11389	- 8958
NED	-	11389	- 8956
NEO	-	11389	- 8964
NIG	-	11389	- 8945
NIT	-	11389	- 8955
NIX	-	11389	- 8954
NOD	-	11389	- 89115
NON	-	11389	- 8953
NOR	-	11392	- 9227
NOW	-	11389	- 8952
NUX	-	11389	- 8950
OBI	-	11392	- 9252
OIL	-	11392	- 9253
ORA	-	11389	- 8946
OSS	-	11392	- 9217 - 1002 + 90, 100' offset USED 1938.
OWL	-	11392	- 9244
PAL	-	11392	- 9257
PEG	-	11392	- 9289
PEP	-	11389	- 8983
PIN	-	11389	- 89112
POT	-	11389	- 8968
POW	-	11389	- 8902
PRO	-	Hydro Signal	- Vol. 1, pp. 6.

LIST OF SIGNALS - Cont.

SO - 1255

Name		T-Sheet No.		Signal No.	Remarks
RAG	-	11392	-	9212	
RAM	-	11392	-	9262	
RAT	-	11389	-	8998	
REV	-	11389	-	89110	
RIG	-	11389	-	8967	- S-AXIS MON. Cut C.V. 10, USED 1938.
RIO	-	11389	-	8984	
RIP	-	11389	-	89119	
RUB	-	11389	-	89104	
SAL	-	11392	-	9213	
SIS	-	11389	-	8966	- LBAG USED 1938.
SKY	-	Hydro signal			- Vol. 5, pp. 30.
SOL	-	11392	-	9249	
SOX	-	11389	-	8985	
SUB	-	11389	-	89105	
TAL	-	11392	-	9211	- Equals PAL Sheet SO-2155b.
TANK	-	11389	-	8978	
TAX	-	11392	-	9214	
TIP	-	11392	-	9231	
TOM	-	11389	-	8986	
TOY	-	11389	-	8965	
TUB	-	11389	-	89106	
TWO	-	Hydro signal			- Vol. 5, pp. 71.
VAL	-	11392	-	9215	
VET	-	11389	-	8924	
VIA	-	11392	-	9201	
WAR	-	11392	-	9218	- 1002 + 90 (400' offset) USED 1938.
WIG	-	11389	-	89108	
WIT	-	11392	-	9261	
YAM	-	11389	-	8925	
YEA	-	11392	-	9260	
YES	-	11392	-	9229	
ZAG	-	11392	-	9232	
ZIG	-	11389	-	8926	

Englewood

TABULATION OF TIDE STAFF READINGS

For 7 and 13 March 1956

80-1255 (H-8192)

Date: 7 March		M L W	Applied Correction
Time	Staff Reading		
1000	2.6	2.0	- 0.6
1030	2.7	"	- 0.6
1100	2.8	"	- 0.8
1130	2.9	"	- 0.8
1200	2.9	"	- 1.0
1230	3.0	"	- 1.0
1300	3.0	"	- 1.0
1330	3.0	"	- 1.0
1400	3.0	"	- 1.0
1430	2.9	"	- 1.0
1500	2.9	"	- 1.0
1530	2.9	"	- 1.0
Date: 13 March		M L W	Applied Correction
Time	Staff Reading		
1000	2.7	2.0	- 0.8
1030	2.8	"	- 0.8
1100	2.9	"	- 0.8
1130	3.0	"	- 1.0
1200	3.2	"	- 1.2

## BRIDGES AND OVERHEAD CABLES

80-1255 (H-8192)

Bridges	T-Sheet Number	Type	Bridge Book Horiz. feet	C&GS Horiz. Feet	Bridge Book above MHW feet	C&GS Above MHW feet
Englewood	11389	Bascule	26	28	8.5	8.0
Punta Gorda Beach Lat. 26°-55.3' N. Long. 82°-19.9' W.	11389	Fixed	Not Listed	14	Not Listed	5.2
Oyster Creek Lat. 26°-53.4' N. Long. 82°-18.6' W.	11389	Fixed	14	13	5	6
Buck Creek Lat. 26°-51.1' N. Long. 82°-17.7' W.	11389	Fixed	14	9	5	6
Cape Haze Develop- ment. Lat. 26°-50.9' N. Long. 82°-17.8' W.	11392	Fixed Conc.	Not Listed	14	Not Listed	7
Cape Haze Develop- ment Lat. 26°-50.8' N. Long. 82°-18.0' W.	11392	Fixed Wooden	"	13	"	7
Cape Haze Develop- ment to Keys. Lat. 26°-56.3' N. Long. 82°-20.0' W.	11392	Fixed Conc.	"	32	"	6.5
Godfrey Creek	11386	Fixed	"	22	"	8.5
Ainger (NE one)	11389	Fixed	"	14	"	5.5
Ainger (SW one)	11389	Fixed	"	14	"	5
Power Cables						
Englewood to Punta Gorda Beach	11389	Over Head Power	--	--	--	63.3
Cape Haze Develop- ment to Placida, Florida	11392	"	--	--	--	50.0

NORFOLK PROCESSING OFFICE  
ADDENDUM  
To Accompany

HYDROGRAPHIC SURVEY H-8192 (So-1255)

GENERAL

This appears to be an excellent basic survey in an area where the bottom is made up of numerous sloughs, sandwaves and oyster bars. Development appears to be adequate and soundings checked very well at crossings, however, it is believed air-photographs will be needed to accurately delineate the numerous sloughs and shoal areas.

The smooth plotting was tedious and time consuming as many of the "See Boat Sheet" positions were difficult to find and identify on the boat sheet.

Respectfully submitted,

*Hugh L. Proffitt*  
Hugh L. Proffitt  
Cartographer.

Norfolk, Va.  
18 Sept. 1958

# GEOGRAPHIC NAMES

Survey No. H-8192

No. 1

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
Florida			(for title)						1
Gasparilla Sound ✓									2
Flacida ✓			(tide station)						3
Little Gasparilla Island ✓									4
Little Gasparilla Pass ✓									5
Rambler Hole ✓									6
Kettle Harbor ✓									7
Don Pedro Island ✓									8
The Cutoff									9
Lemon Creek ✓									10
Buck Creek ✓									11
Knight Island ✓									12
Thornton Key ✓									13
Lemon Bay ✓									14
Stump Pass ✓									15
Stump Pass Channel ✓									16
Grove City Key ✓									17
Peterson Island ✓									18
Peterson Cut ✓									19
Whidden Key ✓									20
Grove City ✓									21
Oyster Creek ✓									22
Cedar Point ✓									23
Ainger Creek ✓									24
New Point Comfort ✓									25
Godfrey Creek ✓									26
Englewood ✓			(tide station)						27

*This name is not to be used for charting purposes*  
(not Rocillo Island, as on T-5857, T-5859)

# GEOGRAPHIC NAMES

Survey No. H-8192

No. 2

Name on Survey

	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
A	B	C	D	E	F	G	H	K	
Redfish Cove ✓									1
Punta Gorda Beach ✓									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
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									22
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									24
									25
									26
									27
									M 234

Names approved October 10, 1958

L. Heck

See T-5856, T-5857 and T-5859 for many of the names listed above.

Tide Station off sheet:

Sarasota

## Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8192

Records accompanying survey: Smooth sheets ..1..;  
 boat sheets ..1..; sounding vols. ..7..; wire drag vols. ..0..;  
 Descriptive Reports ..1..; graphic recorder envelopes 9-Envelopes;  
 special reports, etc. ..NONE..  
 .....

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

Number of positions on sheet	.....	<u>1979</u>
Number of positions checked	.....	<u>214</u>
Number of positions revised	.....	<u>—</u>
Number of soundings revised (refers to depth only)	.....	<u>112</u>
Number of soundings erroneously spaced	.....	<u>14</u>
Number of signals erroneously plotted or transferred	.....	<u>7</u>
Topographic details	Time	<u>39 hrs.</u>
Junctions	Time	<u>2 hrs.</u>
Verification of soundings from graphic record	Time	<u>6 hrs.</u>
Special adjustments	Time	<u>27 hrs.</u>

Verification by W. E. Craig..... Total time 187 hrs. Date 2/11/59

Reviewed by [Signature]..... Time 62 Date 7/9/59

TIDE NOTE FOR HYDROGRAPHIC SHEET

Chart Division: R. H. Carstens

23 October 1958

Plane of reference approved in  
7 volumes of sounding records for

HYDROGRAPHIC SHEET 8192

Locality Lemon Bay, Florida

Chief of Party: R. C. Bolstad)  
G. W. Moore ) in 1955-1956

Plane of reference is mean low water, reading

2.0 ft. on tide staff ~~xx~~ (1955) at Englewood

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

1.5 ft. on tide staff (1955) at Sarasota

6.5 ft. below B.M. 1 (1953)

1.7 ft. on tide staff (1956) at Placida

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

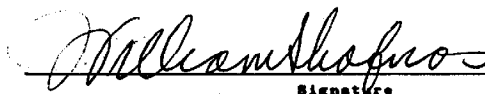
Height of mean high water above plane of reference is as follows:

Englewood = 1.0 feet

Sarasota = 1.3 feet

Placida = 1.1 feet

Condition of records satisfactory except as noted below:

  
Signature

Chief, Tides Branch

DIVISION OF CHARTS  
REVIEW SECTION - NAUTICAL CHART BRANCH  
REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-8192

FIELD NO. SO-1255

Florida, Gasparilla Sound & Lemon Bay,  
Placida to Englewood

Surveyed - Sept. 1955-May 1956

Scale: 1:10,000

Project No. CS-353

Soundings: 808 Depth Recorder  
pole

Control: Sextant  
fixes on  
shore signals  
Estimated positions  
from shoreline

Chief of Party - R. C. Bolstad - G. W. Moore  
Surveyed by - W. V. Warner, W. D. Barbee, W. M. Tidwell  
Protracted by - R. D. Lynn (Norfolk P.O.)  
Soundings plotted by - R. D. Lynn  
Verified and inked by - W. E. Roig  
Reviewed by - L. V. Evans III - 7/9/59  
Inspected by - R. H. Carstens

1. Shoreline and Control

The shoreline originates with the advance manuscripts of photogrammetric surveys T-11386, 11389 and 11392 of 1953-55. Minor revisions by the hydrographer are shown in red.

The sources of control are given in the Descriptive Report.

2. Sounding Line Crossings

Depths are in adequate agreement at crossings.

3. Depth Curves and Bottom Configuration

The standard depth curves are adequately defined for charting purposes by the hydrography. However, the minor relief in some parts of the area is so irregular and its features so small that it cannot be completely depicted at this scale.

Although the 3-ft. curve has been used throughout the survey to give the most comprehensive representation possible, in some areas the configuration has still been generalized to a considerable extent. This condition is most prominent in the area off New Point Comfort, where even the generalized representation could not have been inferred correctly from the hydrography alone without reference to the air photographs. This is a good example of the value of air photographs as an added source of information and a guide for the proper interpretation of the hydrography in shallow areas of irregular bottom.

This survey covers parts of two lagoons connected with each other by a narrow passage and with the open sea by inlets through the barrier islands. The bottom, considering its shallow depths and predominately sandy composition, is extremely irregular with many indications of current scouring. The deeper channels are attributed to tidal currents. Patterns of troughs and ridges (on the order of 2 ft., trough to crest) aligned with the mouths of tributary streams, notably Godfrey Creek and Ainger Creek, appear to be caused by the stream currents.

#### 4. Junctions with Contemporary Surveys

A satisfactory junction was effected with H-8155 (1955) to the north. Junctions with H-8153 (1955) and H-8196 (1956) outside the inlets and with H-8193 (1956) to the south will be considered in the reviews of those surveys.

#### 5. Comparison with Prior Surveys

H-1477a (1879-80) 1:40,000	H-1557b (1883) 1:40,000
H-1480b (1879-80) 1:20,000	H-1595 (1884) 1:20,000

The surveys listed comprise the prior coverage of the area of the present survey. A comparison between the present and prior surveys shows little general change within Lemon Bay, but previous coverage (H-1595) was too sparse for a detailed comparison. Considerable erosion and accretion have taken place in the northern part of Gasparilla Sound, changing the nature of both islands and channels. The most dramatic changes in the area, however, have been in the characteristically unstable inlets through the barrier beaches.

Stump Pass, now in lat.  $26^{\circ}53.9'$ , long.  $82^{\circ}20.4'$  has migrated well over a mile to the southeast from its position of 1884 (H-1595a). Little Gasparilla Pass, now in lat.  $26^{\circ}50.4'$ , long.  $82^{\circ}18.0'$ , has shifted more than  $\frac{1}{2}$  mile to the southeast from its location in 1879-80 (H-1480b) when it was labeled "Boca Nueva". The former inlet in lat.  $26^{\circ}52.1'$ , long.  $82^{\circ}19.2'$ , "Bocilla Inlet", on H-1480b (1879-80), is now completely closed by unbroken barrier beach.

The present survey is entirely adequate to supersede the prior surveys within common coverage of this unstable area.

6. Comparison with Chart 1255 (Print of 4/13/59)

A. Hydrography

The present chart, at a scale of 1:80,000, shows comparatively little detail in this area. The charted hydrography originated with the previously discussed prior surveys, supplemented by minor revisions from Corps of Engineers surveys of 1938 (Bp 33309-13) and by hydrography in Stump Pass from the boat sheet (Bp 53131) of the present survey.

The dredging in Little Gasparilla Pass mentioned in the Descriptive Report pg. 4 and 5 (Par. L and Par. O) apparently was done by local interests. There is no record in this office of a federal project at that location.

The present survey is adequate to supersede the charted hydrography within its limits.

B. Aids to Navigation

The 5 private markers along the channel to the Cape Haze Yacht Basin, lat.  $26^{\circ}50.7'$ , long.  $82^{\circ}17.2'$ , are charted in substantial agreement with their survey positions. There are no other aids to navigation charted in the area of this survey.

7. Condition of Survey

- A. The field records are complete.
- B. The smooth plotting was generally well done.
- C. A number of third-order triangulation stations by the Corps of Engineers were shown as topographic locations on the smooth sheet; the circles have been changed to the triangle symbol, but the labeling has not been revised.

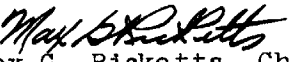
8. Compliance with Project Instructions

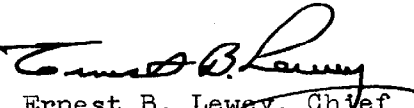
This survey adequately complies with the project instructions.

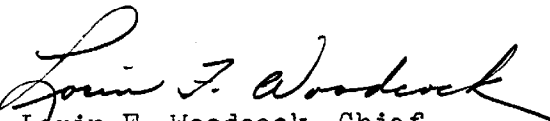
9. Additional Field Work Recommended

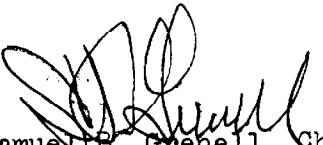
This is a good, basic survey and no additional field work is recommended.

Examined and Approved:

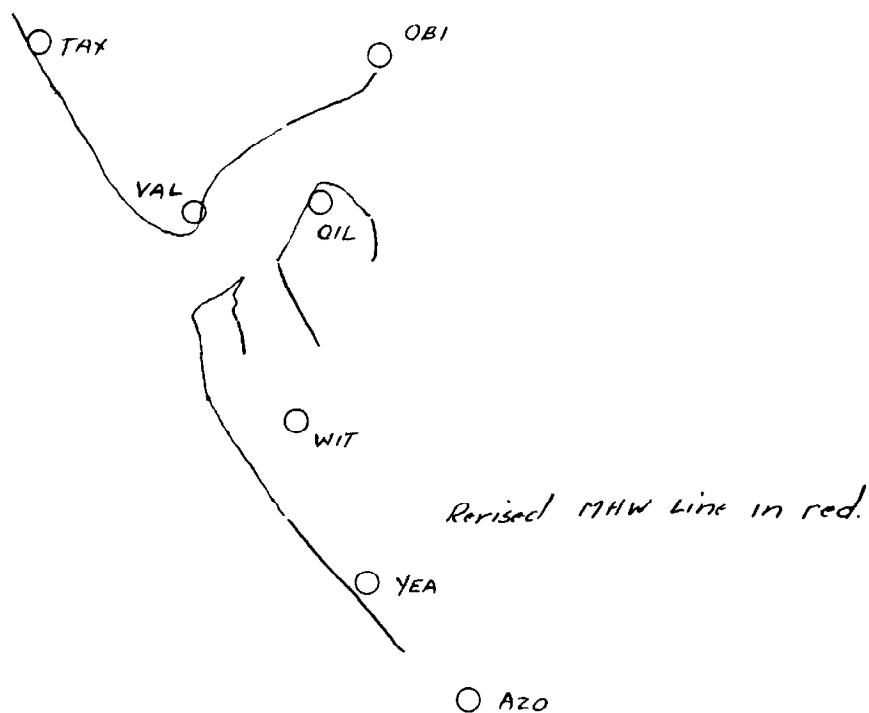
  
Max G. Ricketts, Chief  
Nautical Chart Branch

  
Ernest B. Lewey, Chief  
Chart Division

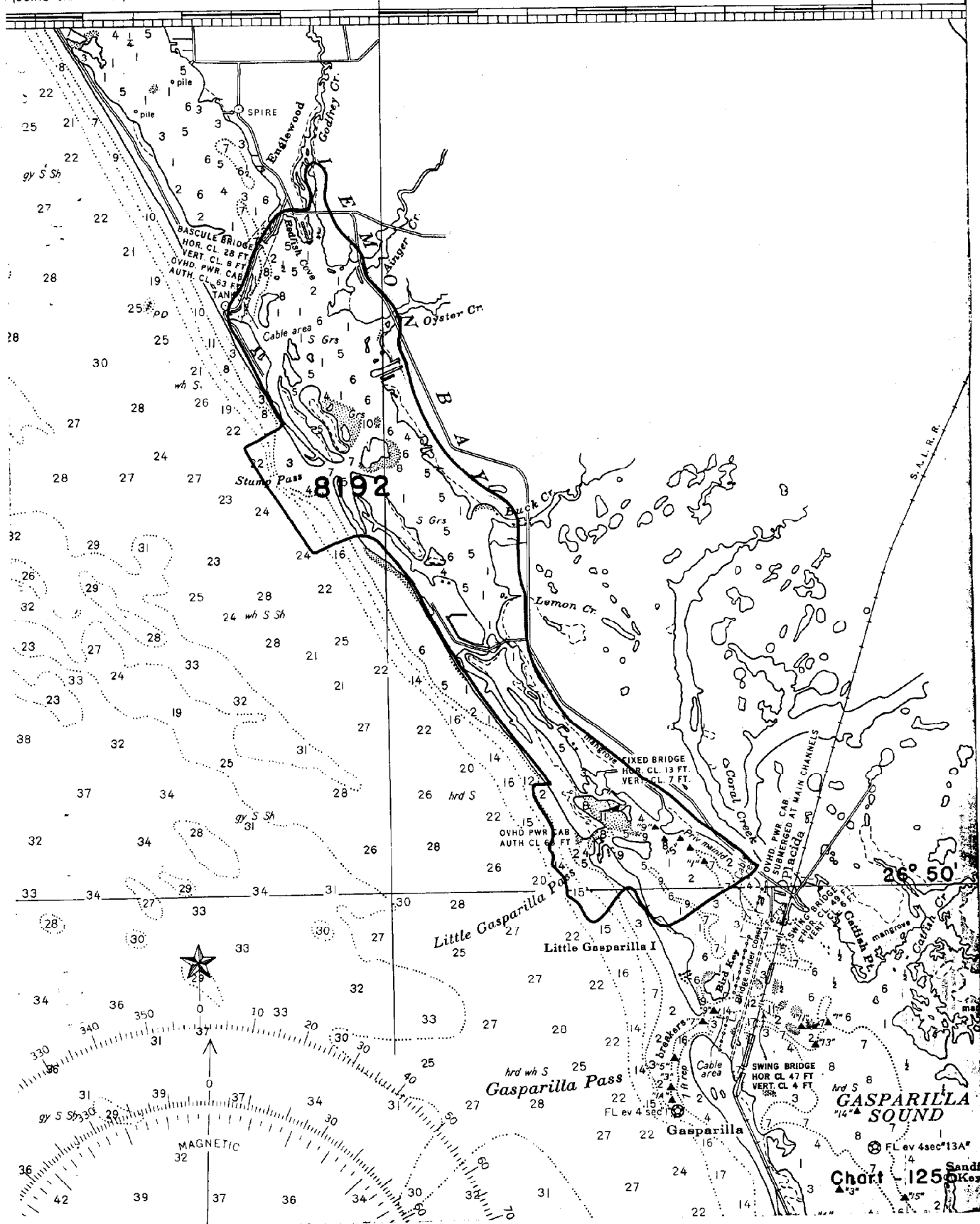
  
Lorin F. Woodcock, Chief  
Hydrographic Branch

  
Samuel B. Greuell, Chief  
Coastal Surveys Division

H- 8192 Field 50 12 55



Shoreline Revision  
LITTLE GASPARILLA PASS FLORIDA  
12 March 1956  
Setup at OVAL orientation @ YEA  
" " @ OIL  
Scale 1:10,000



## NAUTICAL CHARTS BRANCH

SURVEY NO. H-8192

### Record of Application to Charts

[illegible]

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.**