

7969

Diag. Cht. No. 1257-2

CS-334

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. S0-1152 Office No. H-7969

LOCALITY

State FLORIDA

General locality West Coast

Locality Maximo Point to

Treasure Island

19~~4~~ 52

CHIEF OF PARTY

Riley J. Sipe

LIBRARY & ARCHIVES

DATE JAN 7 1954

B-1670-1 (11)

6969

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-7969

Field No. SO-1152

State FLORIDA

General locality West Coast

Locality Maximo Point to Treasure Island

Scale 1:10,000 Date of survey 27 March to 18 July 1952

Instructions dated 2 March 1949

Vessel Ship SOSBEE

Chief of party Riley J. Sipe

Surveyed by Arthur L. Wardwell

Soundings taken by ~~hydrographer~~ graphic recorder, ~~hand lead, wire~~ pole

Fathograms scaled by K. B. Ansell & J. A. Devlin

Fathograms checked by R. W. Larmour

Protracted by Geo L. Fernandes

Soundings penciled by Geo. L. Fernandes

Soundings in ~~fathoms~~ feet at MLW ~~XXXXX~~

REMARKS: This survey was smooth plotted in the Hydrographic Section of the Norfolk Processing Office.

DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY NO. H-7969 (Field No. SO-1152)

West Coast of Florida - Maximo Point to Treasure Island

Scale 1:10,000

27 March to 18 July 1952

U.S.C.&G.S.S. SOSBEE

Riley J. Sipe, Commanding

A. PROJECT:

This survey is part of Project CS-336 and was done in accordance with Instructions dated 2 March 1949.

B. SURVEY LIMITS AND DATES:

The survey covers the waters of Boca Ciega Bay from approximately the latitude of Cats Point northward to Treasure Island Causeway, Blind Pass and the Gulf of Mexico around the entrance at Blind Pass and extending northward along the beach to Johns Pass.

Contemporary surveys with which junction was made are listed below:

| | |
|----------------------|---------------|
| SO-1351 on the north | H-7967 (1952) |
| SO-2152 on the west | H-7971 (1952) |
| SO-1252 on the south | H-7970 (1952) |

Field work was started on 27 March and completed on 18 July 1952. Work on this survey was not continuous, as two other sheets on this same project were being worked on during the period. Advantage was taken of weather and tides in determining the locality of each days work.

C. VESSELS AND EQUIPMENT:

Skiff No. 735, a 25-foot wooden skiff powered by two ten-horsepower outboard motors, was used for all the sounding. Speed of this skiff is about 5 knots maximum, with a turning radius of about 20 meters.

An 808J portable fathometer, serial No. 115-S, calibrated for a velocity of sound in sea water of 820 fm/sec. was used for all soundings in depths of three feet or more. For the lesser depths over the extensive shoal areas, a sounding pole was used.

D. TIDE STATIONS:

Portable automatic tide gages were installed at Johns Pass, just northwest of Corey Causeway, and at Gulfport Municipal Pier. See Tide Note attached to this report.

E. SMOOTH SHEET:

Not within the scope of this report.

F. CONTROL STATIONS:

Triangulation stations are all on the North American 1927 Datum and are listed below:

- ⊙ SAX - Blind Pass Tank, 1952, J. C. Bose, Chief of Party.
- △ EAR - Bear Creek, 1908. Geographic position from page 734, Third-order Triangulation, Vicinity of Tampa Bay.
- △ SAR - Don-Ce-Sar Hotel, silver water tank 1934. Geographic position from page 206, Dunnellon to Naples, Florida.
- ⊙ TER - Oyster 2, R.M. 2 1949 Lat. $27^{\circ} 43' 25.207''$ N. Long. $-82^{\circ} 43' 45.417''$ W. from work of ship HYDROGRAPHER in 1949.
- △ ROL - St. Petersburg, Florida Military Academy, cupola, flagpole, 1934 (Rolyat 1926). Geographic position from page 206, Dunnellon to Naples, Florida.
- △ PORT- Gulfport, silver municipal tank, flagpole, 1934. Geographic position from page 206, Dunnellon to Naples, Florida.
- △ BOW (Not Used)- Bow 1926, Geographic position from page 759, Florida Coast, Boca Ciega Bay to Anclote Anchorage.
- △ Maximo 1908 - Geographic position from page 724, third-order triangulation, vicinity of Tampa Bay.
- ⊙ IKE - IKE 1949 Lat. $27^{\circ} 41' 56.321''$ North, Long. $82^{\circ} 43' 43.713''$ W. from work of ship HYDROGRAPHER in 1949.

Topographic stations were located on the following surveys:

| Register No. | Date | Method of Location |
|-----------------------------|------------------|-----------------------|
| SO-E-51 | 1951 | Graphic Control |
| HY-D-49 | 1949-52 | " " |
| HY-C-49 | 1949-52 | " " |
| T-5829 (RS 450) (Overlay 5) | 1941 (R.S. 1952) | Air-photo Compilation |
| T-5831 (RS 452) (OV 4) | " " " " | " " " " |
| T-5832 (RS 453) (OV 3) | " " " " | " " " " |

G. SHORELINE AND TOPOGRAPHY:

The shoreline was transferred to the boat sheet from film positives of topographic sheets furnished by the Washington Office. Two places where extensive changes have been made by dredging and filling in were delineated on the graphic

G. SHORELINE AND TOPOGRAPHY CONT.:

control sheets. These are the development on the west side of Boca Ciega Bay at latitude $27^{\circ} 43.7'$ and the vicinity of the western end of Treasure Island Causeway. In the latter area, further development is now in progress at this writing (Sept. 1952).

As much as possible of the low water line along the outer beach was delineated by soundings taken at high water.

H. SOUNDINGS:

An 808 model fathometer was used to obtain all soundings in depths of three feet or more. Bar checks were obtained in accordance with 5572 of the Hydrographic Manual and the fathometer adjusted to read the correct depth throughout the range of these soundings.

In depths too shoal for the fathometer to record properly, a sounding pole, graduated in feet, was used.

I. CONTROL OF HYDROGRAPHY:

Hydrography was controlled in position by three-point sextant fixes on objects located as listed under Item F.

J. ADEQUACY OF SURVEY:

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

Junctions with adjoining surveys are satisfactory, with depth curves continuous at these junctions.

K. CROSSLINES:

About eight percent of the total mileage is comprised of crosslines. Discrepancies are not in excess of one foot.

L. COMPARISON WITH PRIOR SURVEYS:

Comparison was made with survey H-4569 and H-4570, both, surveyed in 1926 at a scale of 1:10,000. Differences were found in several places where dredging and filling had been done. In some instances these operations left isolated pockets of deep water not connected to any channel. Also the entrance at Blind Pass has changed, not so much in depth across the bar as in position, the entrance having moved several hundred meters southward since the 1926 survey. In Boca Ciega Bay the depths agree very well.

M. COMPARISON WITH CHARTS NO. 586 AND 1257:

Except for the entrance at Blind Pass and various places previously referred to where dredging and filling have been done

M. COMPARISON WITH CHARTS NO. 586 AND 1257 CONT.:

this survey is in close agreement with charts No. 586 and 1257 which cover the area.

N. DANGERS AND SHOALS:

No new shoals were found.

O. COAST PILOT INFORMATION:

No new information to be added to the recent Coast Pilot investigation.

P. AIDS TO NAVIGATION:

All fixed aids to navigation are to be reported on Form 567 by the Tampa Photogrammetric Office. There are no floating aids to navigation in this area.

Q. LANDMARKS FOR CHARTS:

The tall water tank and ornate hotel are prominent landmarks in the northern part of the city of Pass-a-Grille. About a mile north of there is another, lower tank near the beach. At Blind Pass bridge, at the northern end of Long Key, is a large, oval, fairly low tank. These landmarks are to be listed on Form 567 by the Tampa Photogrammetric Office.

R. GEOGRAPHIC NAMES:

No report required.

S. SILTED AREAS:

None found.

T. BY-PRODUCT INFORMATION:

None.

U.-Y. MISCELLANEOUS:

Aerial photographs of this area were taken in February 1952, and the shoreline and topography should be taken from the photogrammetric survey revised from these latest photographs. In addition the smooth plotter will find the actual photographs helpful to supplement the soundings in outlining the shoal areas.

Z. TABULATION OF APPLICABLE DATA:

Attached to this report are:

1. Statistics sheet
2. Tidal note
3. Approval sheet
4. List of signals

Submitted by,

Arthur L. Wardwell

Arthur L. Wardwell
CDR. U.S.C.&G.S.

STATISTICS

For Hydrographic Survey H-7969 (Field No. SO-1152)

Project CS-336

Scale 1:10,000

U.S.C.&G.S.S. SOSBEE

Riley J. Sipe, Comdg.

| Day Letter | Vol. No. | Date 1952 | No. of Positions | Statute Miles | No. of Pole Soundings |
|------------|----------|-----------|------------------|---------------|-----------------------|
| a | 1 | 27 Mar. | 95 | 10.8 | 310 |
| b | 1 | 28 " | 88 | 10.9 | 69 |
| c | 1 | 31 " | 74 | 9.0 | 103 |
| d | 2 | 3 April | 82 | 13.9 | 6 |
| e | 2 | 8 " | 147 | 21.1 | 56 |
| f | 2 & 3 | 9 " | 129 | 15.2 | 69 |
| g | 3 | 10 " | 127 | 12.2 | 161 |
| h | 3 | 14 " | 63 | 5.3 | 155 |
| j | 3 | 16 " | 53 | 4.8 | 23 |
| k | 4 | 17 " | 88 | 9.0 | 224 |
| l | 4 | 30 " | 98 | 9.7 | 178 |
| m | 4 | 1 May | 96 | 8.8 | 197 |
| n | 5 | 2 " | 83 | 10.1 | 151 |
| p | 5 | 5 " | 39 | 4.9 | 10 |
| q | 5 | 19 " | 87 | 10.0 | 133 |
| r | 5 | 20 " | 110 | 13.0 | 90 |
| s | 6 | 21 " | 100 | 13.1 | 143 |
| t | 6 | 26 " | 110 | 8.9 | 214 |
| u | 6 | 5 June | 100 | 14.0 | 122 |
| v | 7 | 9 " | 50 | 4.0 | 30 |
| w | 7 | 10 " | 189 | 26.7 | 127 |
| x | 7 & 8 | 11 " | 119 | 15.2 | 58 |
| y | 8 | 11 July | 100 | 11.4 | 159 |
| z | 8 | 16 " | 79 | 6.4 | 140 |
| aa | 8 & 9 | 18 " | 223 | 28.6 | 174 |
| la | 9 | August | 2 | | |
| Totals | | | 2529 31 | 297.0 | 3102 |

Total Area = 10.5 square statute miles.

TIDE NOTE

Portable automatic tide gages were maintained at Johns Pass, just outside the bridge, at Lat. $27^{\circ} 47.05'$ N., Long. $82^{\circ} 46.94'$ W.; at the western end of Corey Causeway, Lat. $27^{\circ} 44.70'$ N., Long $82^{\circ} 44.80'$ W.; and at Gulfport Municipal Pier, Gulfport, Fla.

Data from the Johns Pass gage were used in reducing the soundings in the outside waters between Johns and Blind Passes, and in Blind Pass as far as the Blind Pass bridge. Zero of the staff at Johns Pass was 2.6 feet below the mean low water plane of reference, as furnished by the Washington Office in letter 36-kh, of 1 November 1951.

Data from the Corey Causeway gage were used in reducing all soundings in the area between Blind Pass bridge, Corey Causeway and Treasure Island Causeway. Zero of the Corey Causeway staff was 1.2 feet below the mean low water plane of reference, as furnished by the Washington Office in letter 36-cb, of 17 April 1952.

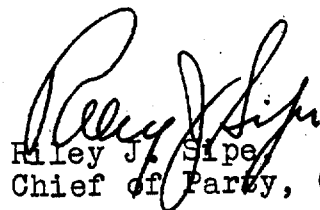
Data from the Gulfport gage were used in reducing all the remaining soundings on this sheet, specifically, all of Boca Ciega Bay from Corey Causeway to the northern limit of the sheet along Cats Point Bank. Zero of the Gulfport staff was 2.8 feet below mean low water, according to letter 36-cb of 10 March 1952 from the Washington Office.

APPROVAL SHEET

The survey of the area covered by SO-1152(H-7969) is adequate for charting purposes. The sounding records and boat sheet have been inspected and are approved this date. Additional work is not necessary.

Positions of hydrographic signals as shown on overlay sheets No. ^{2, 3,} 4 & 5 cover the area and are to be used for smooth plotting. These positions do not check positions as shown on the boat sheet as a photogrammetric re-survey was made while hydrography was in progress. Black circles indicate location by photogrammetric methods and red circles are from graphic control sheets.

see list
of signals


Riley J. Sipe
Chief of Party, C&GS

LIST OF SIGNALS
H-7969

TRIANGULATION STATIONS

- EAR ✓ BEAR CREEK, 1908
 ○ ~~IKK~~ ~~IKK~~, 1949 *topo, see below*
 MAX ✓ MAXIMO, 1908-13
 PORT ✓ GULFPORT, SILVER MUNICIPAL TANK, FLAGPOLE, 1934 (landmark)
 ROL ✓ ST. PETERSBURG, FLA. MILITARY ACADEMY, CUPOIA, FLAGPOLE, 1934 (landmark)
 SAR ✓ DON-CE-SAR HOTEL, SILVER WATER TANK, 1934 (landmark)
 ○ ~~SAX~~ ~~SAX~~, 1952 *topo, see below*
 ○ ~~TER~~ ~~OYSTER 2, R.M. 2, 1908~~ *topo, see below*

TOPOGRAPHIC STATIONS

SOURCE - OVERLAY 3 - RS-453

Eva ✓ Ida ✓ Rut ✓ Sam ✓ Via ✓

SOURCE - OVERLAY 4 - RS-452

| | | | | | | | | | | |
|-------|----------------------|----------------------|-------|----------------------|----------------------|----------------------|----------------------|-------|-------|----------------------|
| Arm ✓ | Apt ✓ | Asp ^(m) ✓ | Ban ✓ | Big ^(d) ✓ | Box ^(d) ✓ | Con ✓ | Dix ✓ | Dub ✓ | Egg ✓ | Elk ^(d) ✓ |
| Erg ✓ | Est ✓ | Fit ✓ | Fog ✓ | Fox ✓ | Fun ✓ | Gal ^(d) ✓ | Gas ✓ | Get ✓ | Gum ✓ | His ✓ |
| How ✓ | Its ✓ | Ivy ✓ | Jag ✓ | Ked ^(d) ✓ | Kid ✓ | Lag ✓ | Leo ^(d) ✓ | Lob ✓ | Lux ✓ | Mad ✓ |
| Mal ✓ | Mid ✓ | Nan ✓ | Ned ✓ | Nil ✓ | Nix ^(d) ✓ | Now ✓ | Nut ✓ | Oak ✓ | Oil ✓ | Ora ✓ |
| Pet ✓ | Pin ^(d) ✓ | Pit ✓ | Pug ✓ | Ram ✓ | Rev ✓ | Rig ✓ | Rio ✓ | Rot ✓ | Roy ✓ | Rue ✓ |
| Shy ✓ | Sig ✓ | Sly ✓ | Sop ✓ | Tap ✓ | Tel ^(d) ✓ | Try ✓ | Tub ✓ | Yak ✓ | Zag ✓ | Ter ✓ |

SOURCE - OVERLAY 5 - RS-450

| | | | | | | | | | | |
|----------------------|----------------------|-------|----------------------|----------------------|-------|-------|-------|-------|-------|----------------------|
| Ace ✓ | Add ^(d) ✓ | Alp ✓ | Art ✓ | Bum ^(d) ✓ | But ✓ | Cam ✓ | Cat ✓ | Cry ✓ | Cut ✓ | Dim ✓ |
| Dog ^(d) ✓ | Dug ✓ | Emo ✓ | End ^(d) ✓ | Fed ^(d) ✓ | Gin ✓ | Hug ✓ | Irk ✓ | Jar ✓ | Jut ✓ | Key ✓ |
| Lam ✓ | Max ^(d) ✓ | Mel ✓ | Nay ^(d) ✓ | Nip ✓ | Obi ✓ | Old ✓ | Ote ✓ | Peg ✓ | Pep ✓ | Pie ✓ |
| Pet ✓ | Pup ✓ | Put ✓ | Rum ✓ | She ✓ | Tin ✓ | Use ✓ | Val ✓ | Vex ✓ | Wee ✓ | Yes ^(d) ✓ |
| Yet ✓ | Zig ✓ | Zoo ✓ | Sax ^(d) ✓ | | | | | | | |

SOURCE - HY-D-49

Jet ✓ Rip ✓

SOURCE - OVERLAY 2 - RS-452

Ike

ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-7969 (Field No. So-1152)

GENERAL

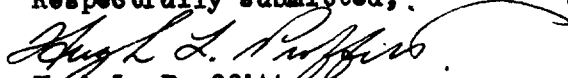
This appears to be an excellent basic survey and no difficulty was experienced with the smooth plot.

SHORELINE

All shoreline was transferred directly from ¹⁹⁵² air-photo compilations: RS-450 (T-5829), RS-452 (T-5831) and RS-453 (T-5832).

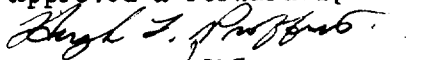
A slight modification was made in the shoreline at Lat. 27-43.65' Long. 82-41.35.

Respectfully submitted,


Hugh L. Proffitt
Cartographer.

Norfolk, Va.
5 January 1954

Approved & Forwarded:


H.A. Paton
Supervisor, S.E. District.

GEOGRAPHIC NAMES

Survey No. H-7969

| 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 |
| <u>Florida</u> | | | | | | | | | B.M.N. | 1 |
| <u>Tampa Bay</u> | | | | | | | | | | 2 |
| <u>Boca Ciega Bay</u> | | | | | | | | | B.M.N. | 3 |
| <u>Maximo Point</u> | | | | | | | | | | 4 |
| <u>Cats Point</u> | | | | | | | | | | 5 |
| <u>Hart Creek</u> | | | | | | | | | | 6 |
| <u>Clam Bayou</u> | | | | | | | | | | 7 |
| <u>Gulfport</u> | | | | | | | | | | 8 |
| | | | | | | | | | | (tide station) |
| <u>Corey Causeway</u> | | | | | | | | | | 9 |
| <u>Treasure Island Causeway</u> | | | | | | | | | | 10 |
| <u>Treasure Island</u> | | | | | | | | | | 11 |
| <u>Blind Pass</u> | | | | | | | | | | 12 |
| <u>Long Key</u> | | | | | | | | | | 13 |
| <u>Gulf of Mexico</u> | | | | | | | | | | 14 |
| | | | | | | | | | | 15 |
| | | | | | | | | | | 16 |
| | | | | | | | | | | 17 |
| | | | | | | | | | | 18 |
| <u>Johns Pass</u> | | | | | | | | | | 19 |
| | | | | | | | | | | (tide station) |
| | | | | | | | | | | B.M.N. |
| | | | | | | | | | | 20 |
| | | | | | | | | | | 21 |
| | | | | | | | | | | 22 |
| | | | | | | | | | | 23 |
| | | | | | | | | | | 24 |
| | | | | | | | | | | 25 |
| | | | | | | | | | | 26 |
| | | | | | | | | | | 27 |

Names approved
1-17-54.
L. HEAR

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H-7969....

Records accompanying survey:

Boat sheets ...¹.; sounding vols. 2.....; wire drag vols.;
 bomb vols.; graphic recorder rolls ¹3Env;
 special reports, etc. ¹Smooth Sheet; ¹Descriptive Report;.....

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

| | | |
|---|-------|---|
| Number of positions on sheet | | 2531 |
| Number of positions checked | | 72 |
| Number of positions revised | | 5 |
| Number of soundings revised (refers to depth only) | | 100 (30 because of initial revision) |
| Number of soundings erroneously spaced | | 0 |
| Number of signals erroneously plotted or transferred | | 0 |
| Topographic details | Time | 20 |
| Junctions | Time | 6 |
| Verification of soundings from graphic record | Time | 1 |

Verification by *J. E. Gearhart*..... Total time *117 hrs.* Date *1-12-55*

Reviewed by *A. R. Stirmi*..... Time *36 hrs.* Date *1-26-55*

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-7969

FIELD NO. SO-1152

Florida, Boca Ciega Bay, Maximo Point to Treasure Island

Project CS-336

Surveyed - March-July 1952

Scale 1:10,000

Soundings:

Control:

808 Fathometer
Sounding Pole

Sextant fixes on
shore signals

Chief of Party - R. J. Sipe
Surveyed by - A. L. Wardwell
Protracted by - G. L. Fernandes
Soundings plotted by - G. L. Fernandes
Verified and inked by - J. E. Gearhart
Reviewed by - A. R. Stirni 1-25-55
Inspected by - R. H. Carstens

1. Shoreline and Signals

The shoreline originates with air-photographic revision surveys R. S. 450 (1952), T-5829 (1939-41), R. S. 452 (1952), T-5831 (1939), and R. S. 453 (1952), T-5832 (1939-42).

Additional features which supplement the air-photographic surveys are tabulated below.

| <u>Feature or information</u> | <u>Location (lat.-long.)</u> | <u>Source</u> |
|-------------------------------|------------------------------|------------------|
| Sub. cable marker | 27°44.23' 82°42.73' | T-7105 (1948) |
| 2 power poles | 27°45.12' 82°45.25' | T-7104 (1948) |
| 1 " " | 27°45.42' 82°44.87' | T-7104 (1948) |
| Bridge clearances | Treasure Island Br. | T-7104 (1948) |
| " " | Blind Pass Br. | T-7104 (1948) |
| " " | Corey Causeway | T-7105 (1948) |
| Power cable clearance | 27°45.45' 82°44.85' | T-7104 (1948) |
| Auth. Power cable Cl. | 27°45.35' 82°45.65' | C. L. 653 (1953) |

At lat. 27°44.26', long. 82°42.07' a large bulkhead applied in

red on the present survey and shown on air-photo 37875 (Feb. 1952) was omitted on R. S. 452.

Sections of shoreline applied in red at lat. $27^{\circ}43.22'$, long. $82^{\circ}44.05'$, lat. $27^{\circ}43.84'$, long. $82^{\circ}41.55'$, and lat. $27^{\circ}43.65'$, long. $82^{\circ}41.35'$ are from the present survey.

Graphic control survey SO-E-51 is marked for destruction. All pertinent information thereon has been transferred to the present survey.

The sources of the signals are given in the Descriptive Report.

2. Sounding Line Crossings

Depths at sounding line crossings are in good agreement.

3. Depth Curves and Bottom Configuration

The portion of Boca Ciega Bay covered by the present survey is partially flat and moderately shoal. Channels and dockage facilities for small craft extend along the western limits of the survey inside the strip of barrier beach. Bottom configuration on the flats and the large basin at lat. $27^{\circ}43.5'$, long. $82^{\circ}43.0'$ is adequately delineated by the 0, 3 and 6 ft. depth curves. A few deep stretches in the channels are shown by the 12-ft. depth curve.

4. Junctions with Contemporary Surveys

A satisfactory junction was effected with H-7967 (1951-52) on the north in the vicinity of Johns Pass and Treasure Island Causeway. The junctions with H-7970 (1952) on the south and H-7971 (1952) on the west and south will be considered in the reviews of those surveys.

5. Comparison with Prior Surveys

H-1178b (1873), 1:20,000

H-4569 (1926), 1:10,000

H-4570 (1926), 1:10,000

A comparison between the prior and present surveys reveals changes resulting from channel improvements and land fills. Dredge and fill activities on the western limits of Boca Ciega Bay between lat. $27^{\circ}43.2'$ and $27^{\circ}44.8'$ have altered the shoreline and deepened the inshore depths in this area. Along the northern limit of the survey, Treasure Island Causeway, connecting Treasure Island with St. Petersburg has been built since the time of the prior surveys. At lat. $27^{\circ}45.5'$, long. $82^{\circ}44.8'$ only ruins of the former Pulver Bridge are now remaining. Channels have generally been widened in the vicinity

of the improved areas. Blind Pass on the present survey is 600 meters S. E. of its location in 1926, and in turn the 1926 location was 1000 meters S. E. of the 1873 location.

The present survey, with the addition of bottom characteristics which have been carried forward, is adequate to supersede the prior surveys within the common area.

6. Comparison with Chart 858 (Latest print date 8-16-54)

A. Hydrography

The charted hydrography originates with the present survey before verification and review. Only a few minor differences in depth of $\frac{1}{2}$ to 1-ft. are noted between the chart and the present survey.

B. Aids to Navigation

The aids to navigation located on the present survey are in substantial agreement with the charted aids and adequately mark the features intended.

7. Condition of Survey

A. The sounding records and Descriptive Report are complete and comprehensive.

B. The smooth plotting was accurately done.

8. Compliance with Project Instructions

The survey adequately complies with the Project Instructions.

9. Additional Field Work

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

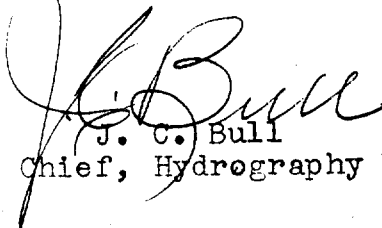
Examined and Approved:




H. R. Edmonston
Chief, Nautical Chart Branch



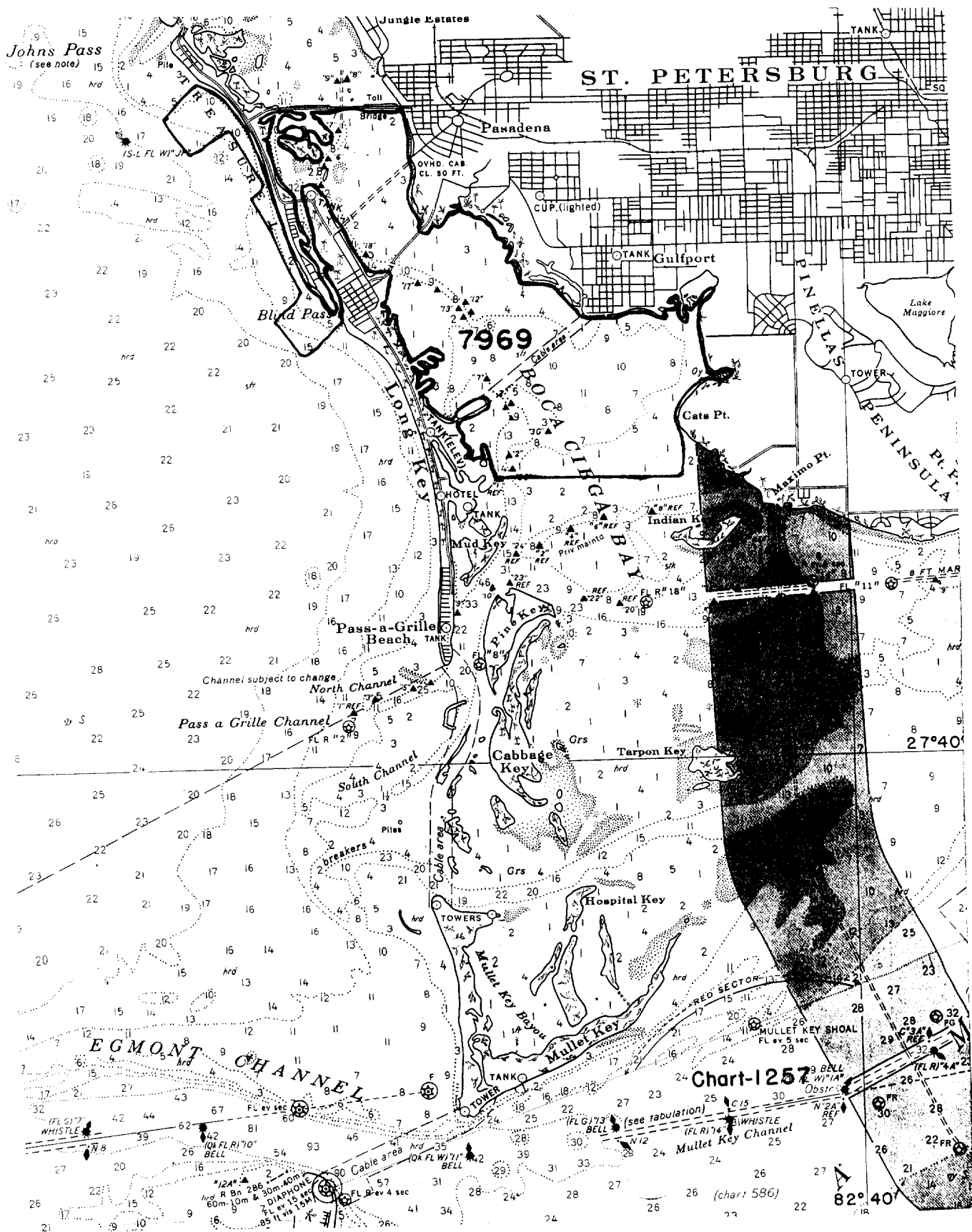
E. R. McCarthy
Acting Chief, Chart Division



J. C. Bull
Chief, Hydrography Branch



Earl O. Heaton
Chief, Division of Coastal Surveys



RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~

19 January 1954

Division of Charts: R. H. Carstens

Plane of reference approved in 9
volumes of sounding records for

HYDROGRAPHIC SHEET 7969

Locality West coast of Florida

Chief of Party: R. J. Sipe in 1952

Plane of reference is mean low water, reading

2.6 ft. on tide staff at Johns Pass

5.1 ft. below B. M. 1 (1951)

2.8 ft. on tide staff at Gulfport

7.8 ft. below B. M. 1 (1952)

1.2 ft. on tide staff at Corey Causeway

5.9 ft. below B. M. 1 (1926)

~~Condition of records at the time of observation is as follows:~~

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

| | | |
|----------------|---|----------|
| Johns Pass | = | 1.5 feet |
| Gulfport | = | 1.5 feet |
| Corey Causeway | = | 1.2 feet |

E. C. McKay

Section of Tides
Chief, Division of Tides and Currents.

NAUTICAL CHARTS BRANCH

SURVEY NO. 47969

Record of Application to Charts

| DATE | CHART | CARTOGRAPHER | REMARKS |
|----------|-------|---------------|--|
| 1/12/54 | 858 | J.A.M. | Before After Verification and Review <i>Completely</i> |
| 2/15/55 | 858 | J.A.M. | Before After Verification and Review |
| 2-21-55 | 1257 | <i>GWB</i> | Partial Before After Verification and Review <i>thru 858</i> |
| 7-11-55 | 1257 | R.H. Davidson | Completely applied Before After Verification and Review <i>thru ch 858</i> |
| 12-14-55 | 586 | G.H.F. | Examined. No correction. Previously applied via Before After Verification and Review <i>Sp. 50144</i> |
| 3-13-59 | 586 | J.A.D. | Before After Verification and Review <i>Partly applied thru 858</i> |
| 1/19/60 | 586 | J.F. Walker | Before After Verification and Review <i>Completely applied thru ch 858</i> |
| 2 Nov 61 | 586 | Wicks | Before After Verification and Review <i>thru 858</i> <i>To add 3-ft depth contours</i> |
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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.