8099

Diag. Cht. No. 1256 and 1257-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Hydrographic

Field No. SO-1254 *Office No.* H-8099

LOCALITY

State Florida

General locality West Coast of Florida

Locality Manatee River to Terra Ceia Bay

1954

CHIEF OF PARTY

R. C. Bolstad

LIBRARY & ARCHIVES

DATE July 11, 1956

8-1870-1 (1)

8099

Add for typing 4-27-64

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-8099

Field No. So-1254

State FLORIDA

General locality WEST COAST OF FLORIDA

Locality MANATEE RIVER TO TERRA CEIA BAY

Scale 1:10,000 Date of survey 7 Oct. to 29 Nov. 1954

Instructions dated 18 Dec. 1952

Vessel SOSBEE

Chief of party ROSWELL C. BOLSTAD

Surveyed by A.L. WARDWELL & W.V. WARNER

Soundings taken by [redacted]r, graphic recorder, hand lead, [redacted] POLE

Fathograms scaled by SHIP PERSONNEL & NORFOLK DISTRICT OFFICE

Fathograms checked by SHIP PERSONNEL & NORFOLK DISTRICT OFFICE

Protracted by A.K. SCHUGELD

Soundings penciled by A.K. SCHUGELD

Soundings in [redacted] feet at MLW [redacted]

REMARKS: This survey was processed and smooth plotted in the Norfolk District Office.

[redacted]

U. S. GOVERNMENT PRINTING OFFICE 777032

DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY H-8099 (Field No. SO-1254)

West Coast of Florida Manatee River to Terra Ceia Bay

U.S.C.& G.S.S. SOSBEE R. C. Bolstad, Chief of Party

Scale 1:10,000 29 September to 15 November 1954

A. PROJECT:

Project CS-353, original instructions dated 18 December, 1952. No supplemental instructions.

B. SURVEY LIMITS & DATES:

The survey extends southward to the southern shore of the Manatee River, northward to the northern end of Terra Ceia Bay (Lat. 27° 34'.8), westward to western edge of Terra Ceia Bay and Long. 82° 38'.0), and eastward to the eastern edge of Terra Ceia Bay and to Long. 82° 38½'.8 in the Manatee River.

A large scale insert of the Bradenton Memorial Pier is shown on the boat sheet; it is the only boat basin in this vicinity capabable of berthing pleasure craft and it is believed it should therefore be shown as an insert on the new edition of the chart.

sdg began Oct 7

Field work was begun on 29 Sept. 1954 and was ended on 15 November 1954.

An index of sheets is included in the applicable data to show junctions with contemporary surveys.

C. VESSEL AND EQUIPMENT:

All sounding was done from a 25 foot skiff, No. 735, powered by two ten-horsepower outboard motors. Maximum speed is about 6 knots and the turning radius of about 20 meters.

The skiff worked from the Ship SOSBEE which was based at the Bradenton Memorial Pier, Bradenton, Florida for the entire survey.

C. VESSEL AND EQUIPMENT: Con't.

Model 808J Portable Depth Recorder, number 115-S, calibrated at 820 fathoms per second was used for sounding where the depth and character of the bottom permitted.

A wooden pole, graduated in feet, was used in shoal water and areas where fathometer soundings were indefinite.

D. TIDE AND CURRENT STATIONS:

The hourly heights from the Bradenton, Florida portable automatic tide gage were used directly. This gage was located in the boat basin of the Bradenton Memorial Pier.

No current stations were occupied within the limits of the survey.

E. SMOOTH SHEET:

Not within scope of this report. *Addendum by Norfolk P.O. attached.*

F. CONTROL STATIONS:

Triangulation Stations Used:

RIP - △ Manatee Fruit Co. Black Water Tank, (elev.), 1934
BRAD- △ Bradenton Municipal Water Tank, (elev.), 1954
PALM- △ Palmetto Municipal Power Plant, Silver Water Tank, (elev.), 1934
MAN - △ MAN, 1925 (Manatee Silver Municipal Water Tank, (elev.), 1934
RIO - △ Bradenton Municipal Pumping Station Silver Water Tank, (elev.), 1934
PEP - △ Bradenton, Florida Power Corporation, White Stack, 1934

Topographic stations were located by photogrammetric radial plot of 1953-54, sheets T-11080, T-11082, T-11079, and T-9631. A list of stations used is included in applicable data of this report.

G. SHORELINE AND TOPOGRAPHY: *Ord T-11080 reviewed Survey for additional information. - EET unreviewed 8/12/63*

Shoreline and topography are from photogrammetric sheets T-11079, T-11080, T-11082 and T-9631 photos of 1952 and 1953, *field inspection 1953-54*.

Minor shoreline revision was made by the hydrographer in the vicinity of Lat. 27° 33'.8, Long. 82° 35'.3. The hydrographer sketched the new shoreline with the aid of sextant fixes. Revision was also made in the vicinity of Lat. 27° 30'.6, Long. 82° 33'.5 using the same method. This area, shown in pencil,

G. SHORELINE AND TOPOGRAPHY: Con't.

is under construction at the present time; the status is shown at the date of completion of this survey, 15 November 1954. Revisions by hydrographer shown in red.

Also similarly revised was the shoreline at Lat. 27° 31'.15, Long. 82° 38'.05.

All changes are man made since the photographs of the area were taken.

It was impractical to fully develop the low water line. This was due mainly to the low range in tide, the extensive inshore shoals, and the irregular mangrove shoreline. A shoaler draft survey vessel, other than the 15" draft skiff No. 735 used, would have been beneficial for more complete low water development.

H. SOUNDINGS:

A Model 808J portable depth recorder was used to measure depths except in areas too shoal for this machine where a wooden pole was used. The leadline was needed for some soundings around the Bradenton Memorial Pier.

I. CONTROL OF HYDROGRAPHY:

Hydrography was controlled by sextant three point fixes except in unsignaled, unimportant areas where positions were estimated from shoreline detail. These positions were marked by "SBS" (See Boat Sheet) in the sounding record space for control data.

J. ADEQUACY OF SURVEY:

The survey is considered complete and adequate to supersede prior surveys for charting. Junctions with adjoining surveys are satisfactory and depth curves are continuous at these junctions.

K. CROSSLINES:

Crosslines made up 9% of the sounding lines run. Soundings at crossings checked within 1 foot, the unit for inking soundings.

L. COMPARISON WITH PRIOR SURVEYS:

A comparison was made with H-4579a; 1:20,000; 1926. The general agreement was good. Changes have occurred due to dredging,

L. COMPARISON WITH PRIOR SURVEYS: Con't.

the main examples being the north end of Terra Ceia Bay, northeast of Manatee River Light 7, south of Manatee River Daybeacon 14, and north of Manatee River Daybeacon 18. There is a shell dredge which has been and is working continually in the Manatee River causing the above mentioned changes. At present the dredge is working just NNE of Lt. 7 (Signal "BUM").

The comparison seems to indicate a shoaling at the northern end of the Snead Island Cutoff.

Alongshore features will be compared with the chart.

M. COMPARISON WITH CHART:

A comparison was made with Chart 586; Tampa Bay, Southern Part; 1:40,000; print date 12/14/53; and corrected to 5 Apr. 1954.

The 2 groups of piles shown at the east side of Terra Ceia Bay, Lat. 27° 32'.5 no longer exist as thus. The only remains were some oyster shell buildings. The non-existence is also confirmed by the photo field inspection party.

The various piling shown charted between McKay Pt. and the Snead Island Cutoff would be better shown as relocated on this survey. (See pos.'s 149, s day; 81, s day; 95 and 96, g day; and shoreline manuscript that covers this survey.

The charted W'ly pier at Hookers Point, Long. 82° 36'.02 no longer exists but hydrographer has been informed that a pier is intended to be rebuilt at this site.

The charted wreck at Lat. 27° 30'.72, Long. 82° 37'.05, east of McNeil Pt. was found as a rocky shoal during this survey. Apparently wreck was a rock loaded barge which has subsided down into river bed; no part of the barge itself remains. added to chart 586 as *

The outer end of the pier north of Manatee River Light 16, now ruins, was located by pos. 117, b day. See shoreline manuscript for rest of outline.

No trace of the obstructions charted at Lat. 27° 30'.25, Long. 82° 33'.30 were found by the survey party. Reliable local knowledge was under the impression this area was blasted clear under the supervison of the Corp of Engineers some 7 - 10 years ago.

M. COMPARISON WITH CHART: Con't.

The only pier remains found on this survey along the southern shore, SE of the SAL Ry., were noted by pos.'s 100 and 101, t day; and pos. 8, q day.

At Lat. 27° 30'.00, Long. 82° 34'.45 the "Occ. R. Lt." shown at the NW corner of the Bradenton Memorial Pier no longer exists; inquiry developed that the light was removed in 1947-48 when the 158 ft. (above MHW) steel radio tower was built at the SW corner of the pier (see insert on boat sheet). This radio tower has a series of fixed red lights exhibited up to its top. (Corrected on chart).

N. DANGERS AND SHOALS:

Important newly found dangers and shoals are these:

1. The wreck located at Lat. 27° 34'.05, Long. 82° 34'.46 by pos. 44, s day.
2. The ~~zero~~ ½ - foot shoal extending out to Lat. 27° 33'.8, Long. 82° 34'.45.
3. The one foot shoal located at Lat. 27° 30'.30, Long. 82° 35'.04.
4. The three foot sounding 100 meters SE of Manatee River Daybeacon "14".
5. Other numerous shoals the result of the shell dredging mentioned in Comparison with Prior Surveys.

None of the above ~~are~~ is considered important enough for immediate correction.

Greater depths were found on the following charted shoals during the new survey:

1. Lat. 27° 32'.73, Long. 82° 37'.80. Four feet was the least depth found on this charted 3 foot shoal. See Review
2. The four foot spot shown 100 yds. SE of Manatee River Light 16 was not duplicated on the new survey. There is presently seven feet of water in the area. Review

All charted shoals and dangers were found as charted or shoaler except as before mentioned.

O. COAST PILOT INFORMATION:

See "Coast Pilot Notes, Northern Part, Project CS-353, Big Sarasota Pass to Tampa Bay, Florida" to be submitted in near future by this party.

P. AIDS TO NAVIGATION:

The position of fixed aids to navigation were reported on form 567 submitted in July, 1954 by the Tampa Photogrammetric Office. (CL 695-1954)

No floating aids to navigation were located and there was no correspondence with the Coast Guard relative to aids to navigation.

There is one range maintained for navigation in the area of the survey. The range is formed by "Bradenton Cut Range Rear Light, 1954" and Bradenton Cut Range Front Light, 1954". The azimuth is 332° T.

No unofficial aids to navigation were located.

The photogrammetric field inspectorn measures all bridge and line clearances. Below is the information given by the Photo Field Inspection Report, 1954.

Name	Type	Horizontal Clearance Bridge Book	Horizontal Clearance USC&GS	Vertical Clearance HW Bridge Book	Vertical Clearance MHW C&GS
Green	Bascule	75 ft.	75.1 ft.	8 ft.	8.7ft.
Railroad ACL (New Bridge This one closed)	Swing	R 75	R 75.0		
		L 75	L 75.0	3.5 (superseded by bascule bridge H.O. N.M. 18(1956) See L.169(54))	4.2
Railroad SAL	Swing	R 57	R 56.0		
		L 57	L 56.0	5.7	6.5
Sneads Island Cutoff *	Fixed	31	31.0	12.5	13.6
Terra Ceia Bay (North End)	Fixed	Not Listed	45.0	Not Listed	10.2
Wares Creek** (First Bridge)	Fixed	40	40.4	4.2	3.8
Wares Creek (Second Bridge)	Fixed	Rebuilt	30.0	Rebuilt	8.8
McLewis Bayou	Fixed	Not Listed	17.5	Not listed	8.5
Warners Bayou	Fixed	" "	19.0	" "	7.7

* This cutoff is listed in Bridge Book as Manatee River cut-off; and in light list as Terra Ceia Cutoff.

** No longer a bascule draw bridge. Rigidly fixed.

A submerged cable goes across the Manatee River just east of the ACL Railroad Bridge. Its termini are the outer power poles on either shore, as shown by photo survey T-11080 and T-11082.

Q. LANDMARKS FOR CHARTS:

In the near future data relative to landmarks for charts will be submitted on Form 567 for the northern part of CS-353. (CL 58(1955))

Q. LANDMARKS FOR CHARTS: Con't.

Recommended landmarks within this survey are:

⊙ RIP - △ Manatee Fruit Co. Black Water Tank, 1934
⊙ BRAD- △ Bradenton Municipal Water Tank, West, 1954
⊙ PALM- △ Palmetto Municipal Power Plant Silver Water Tank, 1934
⊙ LUG - Radio Mast, Bradenton Memorial Pier
⊙ PEP - △ Bradenton, Florida Power Corporation, White Stack, 1934
⊙ RIO - △ Bradenton Municipal Pumping Station Silver Water Tank, 1934
⊙ MAN - △ Manatee Silver Municipal Water Tank, 1934

R. GEOGRAPHIC NAMES:

To be covered in Field Inspection Report of Tampa Photogrammetric Office. No discrepancies were encountered by the hydrographic party.

S. SILTED AREA:

No silting of importance noted.

T. BY-PRODUCT INFORMATION:

None.

Z. TABULATION OF APPLICABLE DATA:

1. Statistics

2. Tide Note

3. Approval Sheet

4. Index of Sheets

5. List of Stations

Submitted by,

Wilfred V. Warner

Wilfred V. Warner,
Ensign, USC&GS

LIST OF SIGNALS
H-8099

TRIANGULATION STATIONS

BRAD	BRADENTON MUNICIPAL WATER TANK, WEST, 1954
MAN	MANATEE SILVER MUNICIPAL WATER TANK, (MAN, 1925), 1934
PALM	PALMETTO, MUNICIPAL POWER PLANT, SILVER WATER TANK, 1934
PEP	BRADENTON, FLA. POWER CORP. WHITE STACK, (WHITE STACK, 1925), 1934
RIO	BRADENTON MUNICIPAL PUMPING STATION, SILVER WATER TANK, 1934
RIP	MANATEE FRUIT COMPANY, BLACK WATER TANK, 1934

TOPOGRAPHIC STATIONS T-11079

Bob	Cue	Don	Dot	Egg	Elm	End	Fig	Gem	Hod	Maw	Ora
Rot	Zig										

T-11080

Ace	Age	Alp	Ann	Axe	Azo	Bag	Bed	Box	Bug	Bum	Bus
Cam	Can	Cat	Cod	Con	Cry	Cut	Day	Dif	Dim	Doc	Duo
Ego	Elf	Emo	Era	Eva	Fat	Fen	Fez	Fin	Fix	Fox	Fun
Gad	Gag	Gas	Get	Gus	Hag	Hat	Hoe	Hub	Hum	Hut	Ion
Irk	Jap	Jaw	Jim	Joe	Jog	Jug	Ken	Kid	Kim	Lam	Lax
Lay	Mag	Mal	Max	Met	Mum	Nat	Neo	Nig	Nul	Nut	Oak
Obi	Ohm	Out	Owl	Par	Peg	Pin	Pit	Ram	Rig	Rim	Sis
Sop	Sox	Tan	Tap	Tom	Toy	Van	Vex	Via	Vim	War	Wax
Why	Yak	Yea	Yet	Zag							

T-11082

Amy	Cow	Dix	Dog	Ebb	Fly	Ivy	Lug	Oil	Rag	Sic	Sky
Tax											

T-9631

Abe	Bah	Boy	Cab	Deb	Eat	Eon	Gal	Ice	Key	Mid	Rat
Sal	Tub	Vol	Wag	Yam							

NOTE: Topo control points 3121, 80139, 80138, 80131 & 80112 wre used when plotting hydro stations. They were removed to avoid congestion on the smooth sheet.

HYDROGRAPHIC STATIONS VOLUME 1, PAGES 3&4

Art	Gum	Hem	Hex	Ida	Jay	Lad	Leo	Mar	Nor	Pal
Sam	Vet	Wig								

TIDE NOTE

The tide station for this survey was located at the Bradenton Memorial Pier, Lat. 27° 29'.96, Long. 82° 34'.40. All soundings on H-8099 were reduced from the portable automatic gage at this station with no corrections. Mean Low Water on the staff was determined to be 1.4 from levels run to existing bench marks.

STATISTICS

For Hydrographic Survey H - 8099

Field Number SO-1254

Volume Number	Day Letter	1954 Date	Pole Sdgs.	No. of Positions	Stat. Miles Sounding
1	a	7 October	195	43	-
1	b	8 "	232	153	22.5
1 & 2	c	11 "	136	154	13.8
2	d	12 "	204	185	29.0
3	e	13 "	249	150	21.6
3	f	14 "	102	117	19.7
4	g	15 "	165	104	27.0
4	h	19 "	340	162	22.8
5	j	20 "	507	166	18.4
5	k	21 "	636	168	20.1
6	l	22 "	575	144	15.9
6	m	25 "	652	157	15.0
7	n	26 "	480	157	18.2
7	p	27 "	442	170	20.6
8	q	28 "	298	143	18.2
8	r	29 "	126	101	13.8
8 & 9	s	2 Nov.	163	169	28.3
9	t	8 "	79	131	14.5
9	u	15 "	7	24	2.3
		~~TOTAL~~	~~5588~~	~~2598~~	~~341.7~~
9	v	29 Nov.	35	13	-
		TOTAL	5623	2611	341.7

Square Statute Miles = 8.75

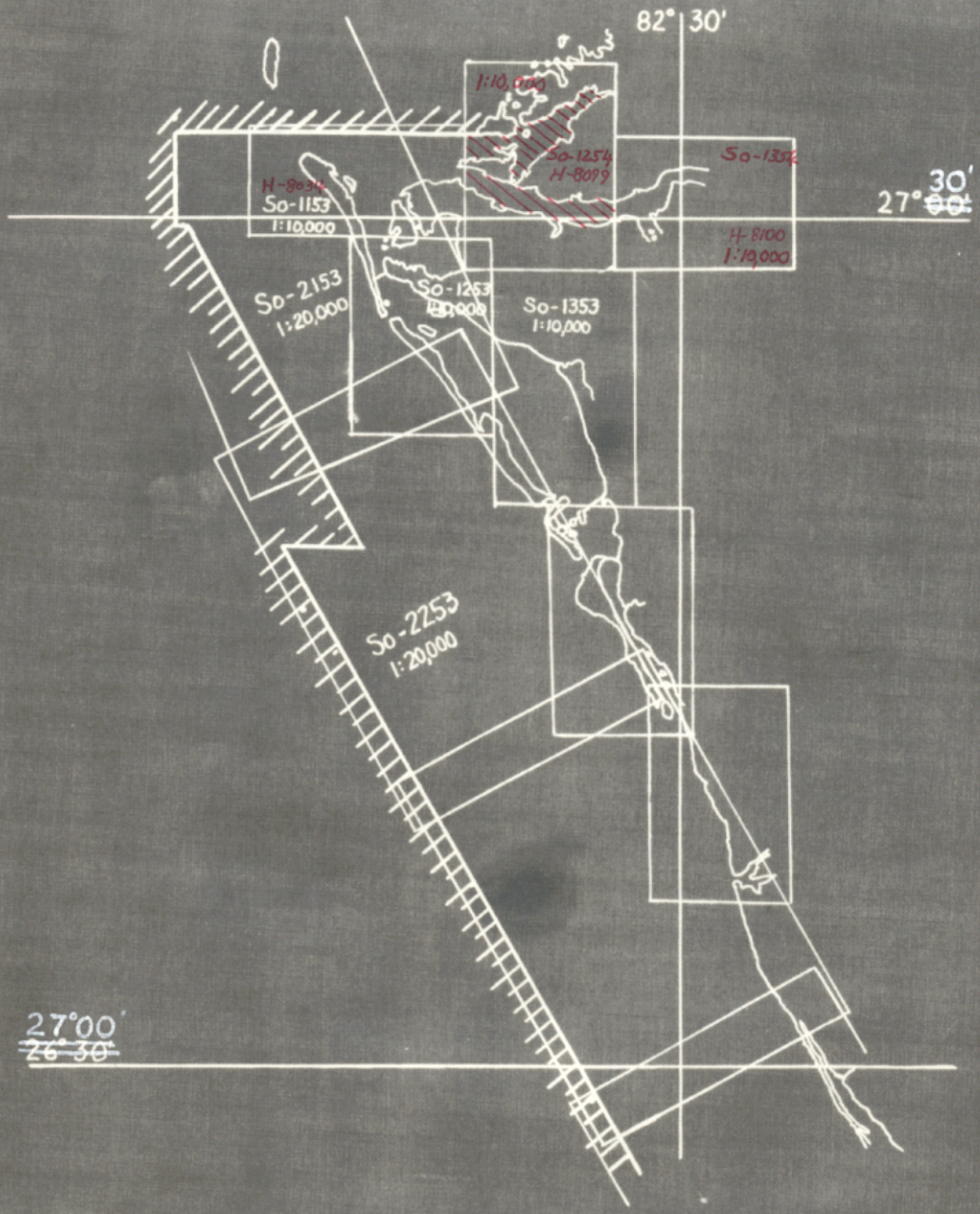
APPROVAL SHEET

The survey of the area covered by H-8099 (SO-1254) is adequate for charting purposes. The sounding records and boat sheet have been inspected and are approved this date. Additional field work is not necessary.

After the completion date given in the report (15 November 1954) a very small amount of field work was done to complete the sounding in the yacht basin at Bradenton. This last work was done on 29 November (v day), and is not shown on the Statistics sheet nor mentioned elsewhere in the Descriptive Report. (Added to statistics)

1 December 1954

Roswell C. Bolstad
Commander, USC&GS
Comdg. Ship SOSBEE



INDEX OF SHEETS

PROJECT CS-353

(Northern Part)

ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-8099 (Field No. So-1254)

GENERAL

This appears to be an excellent basic survey and no unusual conditions were encountered during the smooth plot.

SOUNDINGS

Agreement of soundings at crossings was very good. Sand wave conditions exist in the waters north of Bradenton and in the vicinity of station BUG. Some re-scanning was done by the Processing Office in these areas. A reducing template was used and the soundings recorded in the volumes in red pencil.

Note the 1' sounding at Lat. 27-30.3' and Long. 82-35.05

Respectfully submitted,

Hugh L. Proffitt

Hugh L. Proffitt
Cartographer.

GEOGRAPHIC NAMES

Survey No. H-8099

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
Florida										1
Manatee River										2
Bradenton									BGN	3
Bradenton Memorial Pier (tide station)										4
Wares Creek									BGN	5
McLewis Bayou										6
Warner Bayou										7
McNeil Point										8
Snead Island Cutoff (not Terra Ceia Cutoff)									BGN	9
McKay Point										10
Hooker Point										11
Terra Ceia Bay									BGN	12
Peterson Bayou										13
McMullen Creek									BGN	14
Terra Ceia River									"	15
McGill Cutoff										16
Bird Key										17
Clambar Bayou										18
Champlain Bayou										19
										20
										21
				Names approved 7-19-56. L. Heck						22
										23
	See chart 686 for best placement of names or any other names that may be desired.									24
										25
										26
										27

M 234

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. 8099

Records accompanying survey:

Boat sheets 1; sounding vols. 9; wire drag vols. .....;

bomb vols. .....; graphic recorder rolls 9-Envelopes

special reports, etc. 1-Smooth sheet and 1-Descriptive report.

.....

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

			Prel'y Verif'n
Number of positions on sheet		266	
Number of positions checked		20	20
Number of positions revised		2	—
Number of soundings revised (refers to depth only)		32	
Number of soundings erroneously spaced		35	
Number of signals erroneously plotted or transferred		—	
Topographic details	Time	—	—
Junctions	Time	1	1
Verification of soundings from graphic record	Time	4	4

Preliminary verif'n: H Evans 2d

Verification by H.C.Parsons Total time 21/50 Date 8/26/59 HCP-K-6-61

Reviewed by H Evans 2d Time 40 Date 9/22/59

Addendum by William & Roberts Time 84 Date 3/31/66

M-2232-1

RHC

Form 712
(11-30-55)

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

TIDE NOTE FOR HYDROGRAPHIC SHEET

29 August 1956

Chart Division: R. H. Carstens:

Plane of reference approved in
9 volumes of sounding records for

HYDROGRAPHIC SHEET 8099

Locality West Coast of Florida

Chief of Party: R. C. Bolstad in 1954

Plane of reference is mean low water, reading

1.4 ft. on tide staff at Bradenton

15.5 ft. below B.M. 3 (1926)

Height of mean high water above plane of reference is 1.4 feet.

Condition of records satisfactory except as noted below:

William Shofner
Signature

Chief, Tides Branch

Comm-DC 34330

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-8099 FIELD NO. SO-1254

West Coast of Florida, Manatee River and Terra Ceia Bay

Surveyed: Oct.-Nov. 1954 Scale 1:10,000

Project No. CS-353

Soundings: 808 depth recorder/pole Control: Sextant angles on shore signals; Estimated position from shoreline

Chief of Party---------- R. C. Bolstad
Surveyed by---------- A. L. Wardwell and W. V. Warner
Protracted by---------- A. K. Schugeld (Norfolk P. O.)
Soundings plotted by---------- A. K. Schugeld
Preliminary verification by--- L. V. Evans, III
Verified and inked by--------- H. C. Parsons
Reviewed by---------- L. V. Evans, III Date: 9/25/59
Inspected by---------- R. H. Carstens

1. Shoreline and Control

The sources of shoreline and control are given in the Descriptive Report.

2. Sounding Line Crossings

Depths are in good agreement at crossings.

3. Depth Curves and Bottom Configuration

The depth curves are adequately defined.

The bottom is generally rather irregular with meandering channels and numerous bars and shoals. The bottom in Terra Ceia Bay is quite smooth and even.

4. Junctions with Contemporary Surveys

Satisfactory junctions were effected with H-8034 (1953) to the west and H-8100 (1954) to the east. Transfer of junctional soundings and curves is deferred until verification has been completed.

5. Comparison with Prior Surveys

H-1272 (1874)	1:20,000
H-1555 (1883)	1:10,000
H-4579a(1926)	1:20,000

A comparison between the present and prior surveys reveals no important changes. The present survey depicts the numerous bars, shoals and channels in much greater detail than the prior, handlead surveys. Some minor shifting in position has occurred, and some localized shoaling such as the bar in lat. 27°30.8', long. 82°36.4' where former 2-ft. depths are superseded by a spoil bank bare 1-ft. at MHW. Shoaling has also occurred in the northern approach to Snead Island Cutoff (lat. 27°31.7', long. 82°36.45') where the present controlling depth of 4-ft. supersedes prior 7-ft. depths.

The 4-ft. sounding charted in lat. 27°30.52', long. 82°34.80' from H-4579a should be disregarded. Some shifting of the shoal in that vicinity has taken place, with a least depth of 3-ft. found on the present survey about 200 m. west of the prior 4. The present hydrography is adequate for charting the area.

The 3-ft sounding charted in lat. 27°32.75, long. 82°37.74' from H-4579a has been carried forward as the least depth on this shoal along the edge of the channel. No general change appears to have taken place in that vicinity and the present hydrography does not rule out the existence of depths less than the 4-ft. soundings on the present survey.

With the addition noted, this survey is adequate to supersede the prior surveys in the common areas.

6. Comparison with Chart 586 (print of 6/15/59)

A. Hydrography

The charted hydrography originates basically with the prior surveys, considered in the preceding section, supplemented by preliminary application of the present survey through the boat sheet (Bp 52012) and the unverified smooth sheet.

Attention is directed to the following items:

(1) The obstruction charted in lat. 27°30.31', long. 82°33.29' from T-5845 (1941) has been carried forward as a submerged obstruction and should be retained as such on the charts until further field investigation can be made. The evidence submitted by the hydrographer is not considered sufficient to preclude

the existence of underwater remains of this former concrete pier, particularly since correspondence with the Corps of Engineers indicates that they have no record of its removal.

(2) The group of piles charted in lat. 27°30.25', long. 82°33.28' should be removed from the charts. The existence of that old piling is considered adequately disproved by the hydrography and supporting statements of this survey.

(3) The outer end of the pier ruins charted in lat. 27°30.15' long. 82°33.3' should be disregarded. The extent of the submerged piling is adequately established on this survey.

(4) The line of piling (or stakes) charted in lat. 27°30.2' long. 82°32.95' from T-4211 (1925-26) was not found in the present survey and should be disregarded.

(5) Two group of piles charted in the vicinity of lat. 27°32.5', long. 82°35.3' are no longer in existence and should be deleted.

(6) Numerous alongshore piers and piles should be revised to conform to the present survey.

(7) The rock awash symbol charted in lat. 27°30.72', long. 82°37.07' should be replaced by the submerged pipe as shown on the smooth sheet. The rock was charted from the note in the Descriptive Report (Sec. M) which mentioned only the rock pile believed to be the cargo of a disintegrated sunken barge. The pipe as noted in the records actually projects above the rocks and presents more of a hazard to small craft.

(8) The dredged channel limits charted off the Palmetto pier in lat. 27°30.6', long. 82°34.55' are not appropriate as there is no established project at that location. Hydrography from the present survey should be charted in place of the channel symbol.

Except as noted, the present survey is adequate to supersede the charted hydrography within the common area.

B. Controlling Depths

Charted controlling depths originate with the present survey. Our records show no recent survey by the Corps of Engineers.

C. Aids to Navigation

Aids to navigation are charted in substantial agreement with their survey positions and adequately mark the features intended.

7. Condition of Survey

A. The field records are generally complete. However, details of shoreline changes, piling, piers and oyster bars were for the most part not shown on the boat sheet. Therefore the notes in the record had to stand alone, and some of them were not as clear as might be desired.

B. Since this survey has been given only preliminary verification, a complete evaluation of the smooth plotting is deferred pending completion of verification. However, at this stage the smooth plotting appears to be generally quite satisfactory.

8. Compliance with Project Instructions

This survey adequately complies with the project instructions except for incomplete disposition of the obstruction noted in 6-A(1).

9. Additional Field Work Recommended

This is a basic survey except for disproval of the obstruction charted in lat. 27°30.31', long. 82°33.29' (Review 6-A(1). It is recommended that the area of that obstruction be dragged to establish whether or not underwater remains still exist. It would be desirable at the same time to drag the area of piling (Review 6-A(2), about 100 meters south of that obstruction, if feasible.

Examined and Approved:

Max G. Ricketts
Chief, Nautical Chart Branch

Ernest B. Lewey
Chief, Division of Charts

Lorin F. Woodcock
Chief, Hydrography Branch

Samuel S. Grenell
Chief, Division of Coastal Surveys

Wire drag requirement has been listed in our "request for surveys" file.

Addendum to Review

H-8099 (1954)

Verification and inking completed by----------H. C. Parson
Curves inked by----------A. J. Lunday
W. K. Roberts
Review Addendum by----------W. K. Roberts
Inspected by----------R. H. Carstens

The verification of this survey has been completed. Soundings and depth curves have been completely inked and junctional soundings transferred.

Shoreline

The shoreline originates with reviewed photogrammetric surveys T-9631 (1953-56), T-11079 (1953-56), T-11080 (1953-56) and T-11082 (1953-56). Major revisions were applied to T-9631, T-11079 and T-11082 from 1958 field inspection subsequent to the date of the hydrographic survey and are not reflected on the hydrographic smooth sheet. Therefore, the topography on H-8099 is superseded by the above photogrammetric surveys in areas denoted by arrows and notes.

Junctions with Contemporary Surveys

Adequate junctions were completed with H-8100 (1954) on the east and H-8034 (1953) on the west. A butt junction was made with a small portion of H-8034 in Lat. 27°31'12", Long. 82°38'04" where changes in depths due to dredging occurred since the 1953 survey. The present survey supersedes H-8034 (1953) in the area of the butt junction.

Comparison with Chart 586 (print date 12/20/65)

A. Hydrography

The charted hydrography originates with the present survey subsequent to preliminary verification and review and is in substantial agreement with the present survey. A green tint for a low water area was omitted from the chart in lat. 82°34.5', Long. 27°33.51.

B. Topography

The charted topography originates with photogrammetric surveys mentioned above (See Shoreline) supplemented by numerous major revisions by photogrammetry throughout the survey area (Bp-64459) subsequent to the date of the present survey. The charted topography supersedes the shoreline on the present survey.

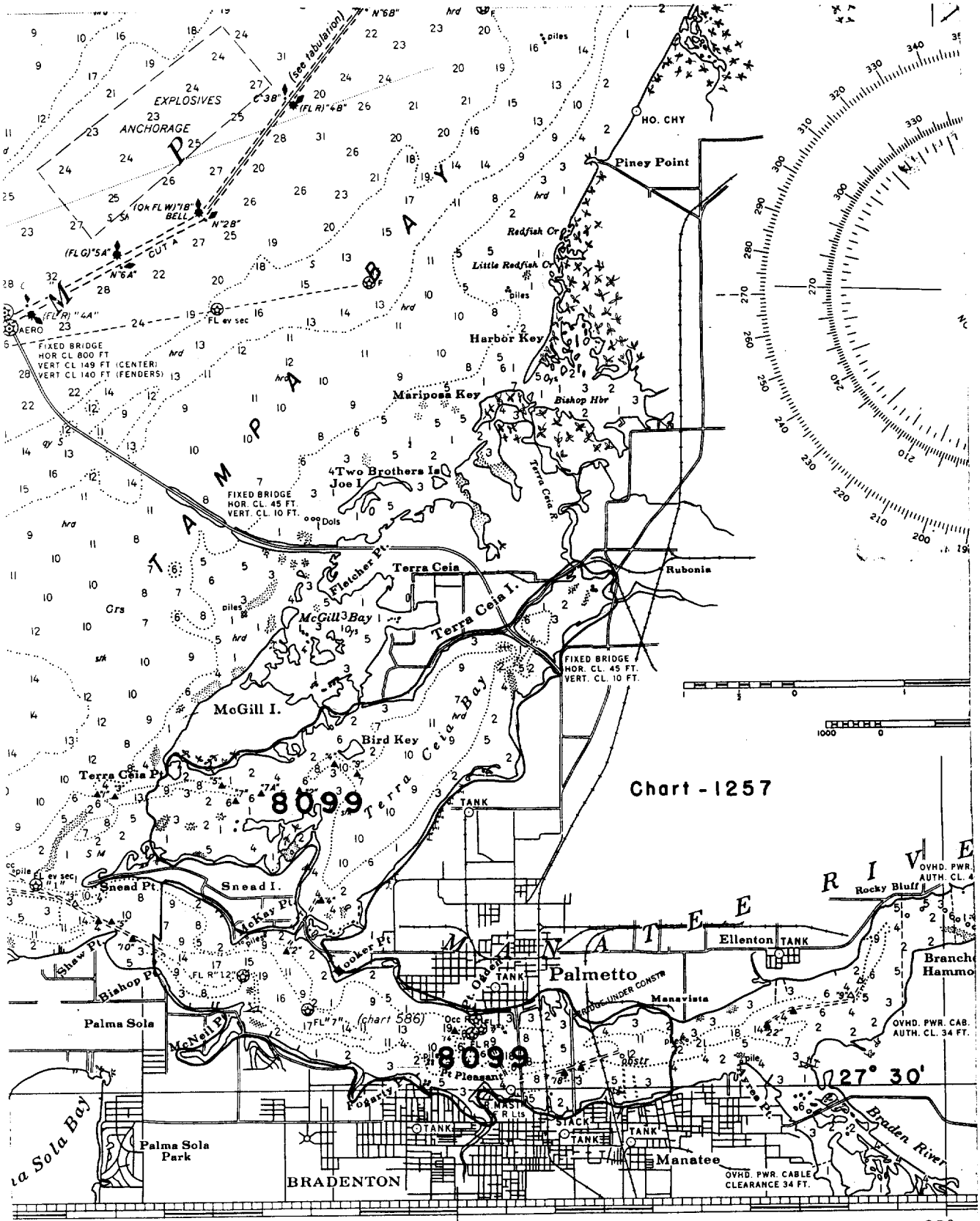
Condition of Survey

A. Completion of the verification reveals that the smooth plotting was well done.

B. The Descriptive Report is complete and comprehensive.

Approved:

Lorne G. Taylor
Chief, Marine Chart
Division


EXPLOSIVES
ANCHORAGE
(see tabulation)
(10k FL W) "1B" BELL
(FL G) "5A"
CUT A
(FL R) "4A"
AERO
FIXED BRIDGE
HOR CL 800 FT
VERT CL 149 FT (CENTER)
VERT CL 140 FT (FENDERS)
FL ev sec
TAMPA BAY
HO. CHY
Piney Point
Redfish Cr
Little Redfish Cr
Harbor Key
Mariposa Key
Bishop Hbr
Two Brothers Is
Joe I
FIXED BRIDGE
HOR. CL. 45 FT.
VERT. CL. 10 FT.
Terra Ceia R.
Terra Ceia
Rubonia
Fletcher Pt
McGill Bay
Terra Ceia I.
McGill I.
Bird Key
Terra Ceia Bay
Terra Ceia Pt
8099
Chart - 1257
Snead Pt
Snead I.
McKay Pt
Hooker Pt
Shaw Pt
Bishop Pt
Palma Sola
McNeil Pt
(chart 586)
Fogarty Pt
Pleasant Pt
Palma Sola Bay
Palma Sola Park
BRADENTON
MANATEE RIVER
Rocky Bluff
Ellenton
TANK
Palmetto
Manavista
BRIDGE UNDER CONSTR
Oneco
Manatee
STACK
OVHD. PWR. CABLE CLEARANCE 34 FT.
OVHD. PWR. CAB. AUTH. CL. 34 FT.
27° 30'
82°30'
35'

NAUTICAL CHARTS BRANCH

SURVEY NO. H-8099

Record of Application to Charts

DATE	CHART	CARTOGRAPHER	REMARKS
9/14/56	1257	J.P. Walley	Before ~~After~~ Verification and Review
			Examined - not applied
10/10/56	1256	W.W. Burgoyne	Applied Critical Corr. only Before ~~After~~ Verification and Review
June '56	586	H.E.M.	Before ~~After~~ Verification and Review Partial
10/26/56	857	S.G. McGann	Before ~~After~~ Verification and Review
1/18/60	586	J.P. Walley	Before After Prelim. Verification and Review
		Nichols	Completely applied
26 May 60	1257		~~Before~~ After Prelim. Verification and Review
			Thru Dwg. Chart 586
26 July 60	586	Nichols	~~Before~~ After Prelim. Verification and Review Added sdgs. to
			bring into agreement with 857 (3 ft curve)
2 Aug 60	1256	Recommendation ET Nichols	~~Before~~ After Verification and Review
			Thru Dwg 28, Chart 1257
9/29/60	1256	E.E. Thomas	~~Before~~ After Prelim. Verification and Review Thru overlap of
			1257
16 Mar 61	857	Nichols	~~Before~~ After Prelim. Verification and Review Complete.
			In part through Dwg. Chart 586, supra.
7 Nov 61	586	Nichols	After V&R to add 3-foot depth contour
			In part thru 867B

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.