

7908

Diag. Cht. Nos. 1257-2 & 1258

Form 504

CS-336

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. SO-1151 Office No. H-7908

LOCALITY

State Florida

General locality Florida West Coast

Locality Anclote Keys &

Anclote Anchorage

1945

CHIEF OF PARTY

James D. Thurmond

LIBRARY & ARCHIVES

DATE OCT 14 1953

7908
8062

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-7908

Field No. SO-1151

State Florida

General locality Florida West Coast

Locality Anclote Keys & Anclote Anchorage

Scale 1:10,000 Date of survey 7 March to 29 May 1951

Instructions dated 2 March 1949

Vessel Ship SOSBEE & Skiff No. 735

Chief of party J. D. Thurmond

Surveyed by J. D. Thurmond & I. R. Rubottom

Soundings taken by fathometer, graphic recorder, ~~hand level, water~~ & Pole

Fathograms scaled by D. C. R.

Fathograms checked by D. C. R. & R. W. L.

Protracted by Geo. L. Fernandes

Soundings penciled by Geo. L. Fernandes

Soundings in ~~fathoms~~ feet at MLW ~~MLW~~ *and are true depths*

REMARKS: This folder contains the usual field descriptive report and a special report from the Tampa Photogrammetric Office concerning the shoreline and control.

752

REPORT TO ACCOMPANY

HYDROGRAPHIC SURVEY H-7908 (Field No. SO-1151)

E. SMOOTH SHEET:

The projection was received in the Tampa Photogrammetric Office on 3 November 1952, for applying shoreline and control. Reference - letter dated 23 October 1952 from the Director - 711-mkl; and from Supervisor, Southeastern District, dated 27 October 1952.

The shoreline was traced from the planimetric map (See Item G) and applied to the projection. The shoreline was applied by Mr. R. R. Wagner and verified by Mr. W. A. Rasure.

All control was applied by dms and dps. In plotting the control it was found necessary to apply a scale factor due to distortion of the projection.

F. CONTROL STATIONS:

The control stations were plotted by Mr. R. R. Wagner and checked by Mr. I. I. Saperstein.

<u>Triangulation Stations</u>	<u>Date</u>	<u>Chief of Party</u>
ANCLOTE KEYS LIGHTHOUSE	1910	G. H. R.
ANCLOTE RIVER LIGHT 1	1952	J. E. W.
ANCLOTE RIVER CUT A & B RANGE FRONT LIGHT 9	1952	J. E. W.
ANCLOTE RIVER CUT A RANGE REAR LIGHT	1952	J. E. W.
ANCLOTE RIVER CUT B RANGE REAR LIGHT	1952	J. E. W.
ANCLOTE ANCHORAGE NORTH ENTRANCE LIGHT 4	1952	J. E. W.
AT	1926	R. P. E.
BAILEYS BLUFF	1910	G. H. R.
NORTH ANCLOTE 2	1910	G. H. R.
NORTH ANCLOTE LIGHT 6	1952	J. E. W.
NORTH AXIS TA 36 (USE-1940)	1952	J. E. W.
SAD	1952	J. E. W.
TARFON	1934	G. L. A

Topographic Stations

<u>Station</u>	<u>Resurvey No.</u>	<u>Date</u>	<u>Method of Location</u>
EVA	Resurvey SO-C-50 *	1952	Planetable * To be destroyed
NOR	" "	"	"
TREE	" SO-B-50 *	"	"

Topographic Δ
Hydrographic Stations

BAG	Resurvey SO-C-50	"	"
COD	" "	"	"
DIF	" "	"	"
DCN	SO-B-51	Pos. not in Tampa Office (Planetable)	
EBB	Resurvey SO-B-50	1952	Planetable
EGG Δ	" SO-C-50	"	" Third order triangulation
FEZ Δ	" "	"	"
PAD	" "	"	"
PAR	" "	"	"
RAG	" "	"	"
SAX	" "	"	"
TOY	" "	"	"
TRY Δ	" "	"	Theodolite (Third order A)
VAN	" "	"	Planetable
YAK	" "	"	"
ZAG	" "	"	"

G. SHORELINE AND TOPOGRAPHY:

(1939-41)
Shoreline was taken from Planimetric Map T-5818, dated August 1941, scale 1:10,000. The shoreline was corrected at Station COD (Latitude $28^{\circ} 11' 9''$ and Longitude $82^{\circ} 47' 1''$) and BAILEYS BLUFF 1910 (Latitude $28^{\circ} 12' 3''$ and Longitude $82^{\circ} 46' 9''$) to agree with field measurements taken at the time of Resurvey SO-C-50.

MWL is the same as shown on T-5818 see #1 of review.

The type of shoreline was indicated by F for MHW, ap for apparent shoreline and bkhd for bulkheads.


Robert R. Wagner
Carto. Photo. Aid

APPROVED AND FORWARDED:


J. E. Waugh, Chief of Party

DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY No. H-7908 (SO-1151)

Anclote Keys & Anclote Anchorage, Florida West Coast

Scale 1:10,000

7 March to 29 May 1951

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

James D. Thurmond, Comdg.

A. PROJECT:

This survey accomplished under Project CS-336 in accordance with Instructions dated 2 March 1949.

B. SURVEY LIMITS AND DATES:

This survey covers the area from the central part of Anclote Anchorage, Latitude $28^{\circ} 11'.00$ northward to Latitude $28^{\circ} 12'.30$, and the area around Anclote Keys between Longitude $82^{\circ} 49'.70$ and $82^{\circ} 51'.70$ northward to Latitude $28^{\circ} 14'.40$.

Junction was made with the following sheets:

H-7904 (1951)

H-7909 (1951)

SO-1250 on the south, and SO-2151 on the north and west.
and H-7906 (1951) on the southeast.

Field work began on 7 March 1951 and ended 29 May 1951.

C. VESSELS AND EQUIPMENT:

In general, all the hydrography was accomplished with 25 foot skiff No. 735, built especially for work in shoal water. The skiff was powered with two Johnson 10 horsepower outboard motors and operated from the U.S.C. & G.S.S. SOSBEE basing at Tarpon Springs, Florida. The speed of the skiff was slightly more than 5 knots at full speed and has a turning radius of approximately 20 meters.

Many of the skiff lines in Anclote Anchorage were split with the Ship SOSBEE. From position 1A through position 115A, the SOSBEE operated at 1000 R.P.M. From position 116A through position 141A she operated at 1500 R.P.M. At 1000 R.P.M. the turning radius is 40 meters and at 1500 R.P.M. the turning radius is 50 meters.

Settlement and Squat Tests were run with the SOSBEE and the soundings were corrected accordingly.

Special Reports 19 (1951)

C. VESSELS AND EQUIPMENT CONT.:

The soundings were recorded with portable depth recorders Model 808G, Nos. 115S & 140-SP. Depths to shoal to record on the depth recorder in the skiff (usually under 3 feet), were obtained with a sounding pole.

D. TIDE AND CURRENT STATIONS:

Tidal data obtained from portable tide gage No. H-291, established at the southern end of Anclote Keys, were used to reduce all soundings.

No Current Stations were occupied within the limits of this survey.

E. SMOOTH SHEET:

Compilation of the smooth sheet will be accomplished by the Norfolk, Virginia, Processing Office.

F. CONTROL:

Triangulation stations are all on the North American 1927 Datum and consist of the following:

CLO-(Anclote Keys Lighthouse, 1910)	Geographic Position from page 196, Dunnellon to Naples, Florida.
TAR-(Tarpon, 1934)	Geographic Position from page 195, Dunnellon to Naples, Florida.
BAIL-(Bailey's Bluff, 1910)	Geographic Position from page 762, Boca Ciega Bay to Anclote Anchorage, Fla.
OTE-(North Anclote, 2, 1910)	Geographic Position from page 762, Boca Ciega Bay to Anclote Anchorage, Fla.
AT -(At, 1926)	Geographic Position from page 766, Boca Ciega Bay to Anclote Anchorage, Fla.

Topographic Stations were obtained from the following:

<u>Reg. No.</u>	<u>Date</u>	<u>Method of Location</u>
SO-C-50	1950 & 1951	Graphic Control
SO-B-51	1951	" "

G. SHORELINE AND TOPOGRAPHY:

The shoreline was transferred from film positives of topographic sheet No. T-8361 (CS-372), which were furnished by the Washington Office. ^{see #1 of review}

No Changes were made in the shoreline or topographic features.

H. SOUNDINGS:

Hydrographic was accomplished by use of 808 depth recorders mounted in the 25 foot skiff with transducers placed inside and at the bottom of the skiff. The transducers on the SOSBEE are in the bilges in the engineroom.

The depth recorders were adjusted to read Correct depth, while stopped, by adequate Bar Checks and adjustment of the initial setting.

Corrections for Settlement and Squat for the Ship SOSBEE were applied to the soundings.

I. CONTROL OF HYDROGRAPHY:

Hydrography was Controlled by 3-point sextant fixes on signals located by triangulation, and graphic control. No unusual or substandard methods were used.

J. ADEQUACY OF SURVEY:

The survey is Complete and Adequate to supersede prior surveys for Charting purposes.

K. CROSSLINES:

Crosslines, totaling at least 10 per cent of the total mileage, were run and discrepancies were not over 1 foot.

L. COMPARISON WITH PRIOR SURVEYS:

Comparison with H-4582, Scale 1:20,000:

The depths obtained show no marked difference with those shown of the prior survey.

The stakes shown on the old survey along the crooked Channel Northwestward from the mouth of the Anclote River are no longer in existence.

M. COMPARISON WITH CHART:

The depths are in close agreement with those shown on Chart No. 1257. The stakes along the old Channel mentioned in "L" should be deleted from the Chart.

N. DANGERS AND SHOALS:

All dangers and shoals are all inside the 6-foot curve and are at present adequately delineated on the Chart.

O. COAST PILOT INFORMATION:

A thorough Coast Pilot investigation of the area was made in 1948 and no additions or corrections are found on this survey.

P. AIDS TO NAVIGATION:

All Aids to Navigation have been reported on form 567. ✓

Z. TABULATION OF APPLICABLE DATA:

Previously forwarded:

1. Non-floating Aids to Navigation, Form 567.
2. Report of Settlement and Squat Tests, Ship SOSBEE. ✓

Attached to this report:

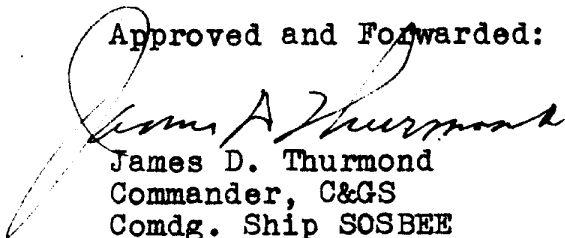
1. Statistics
2. Tidal Note
3. List of Signals
4. List of Corrections for Settlement and Squat, Ship SOSBEE. ✓

Submitted by,



Ira R. Rubottom
Commander, C&GS

Approved and Forwarded:



James D. Thurmond
Commander, C&GS
Comdg. Ship SOSBEE

TIDAL NOTE

Portable tide gage, No. H-291, was established at the southern end of Anclote Keys, in Latitude $28^{\circ} 09'.90$ North, Longitude $82^{\circ} 50'.60$ West.

Data obtained from this gage were used to reduce all soundings taken on this sheet.

The zero of the tide staff was 2.5 feet below the mean low water plane of reference and was furnished by the Washington, D. C. Office in letter dated 23 October 1950, ref. No. 36-rcb.

VELOCITY CORRECTIONS

No Velocity Corrections were applied. Fathometer initial was set to read true depth, by adequate Bar Checks.

Corrections for Settlement and Squat for Ship SOSBEE, applied to Ship Soundings, in record book.

LIST OF SIGNALS
H-7908

TRIANGULATION STATIONS

ABE	ANCLOTE RIVER, CUT A RANGE, REAR LIGHT, 1952
AT	AT, 1926-52
BAIL	BAILEYS BLUFF, 1910-52
BEE	ANCLOTE RIVER, CUT B RANGE, REAR LIGHT, 1952
CLO	ANCLOTE KEYS LIGHTHOUSE, 1910-52
EDD	EDD 90 (USE-1935), 1952
FRO	ANCLOTE RIVER, CUT A & B RANGE, FRONT LIGHT 9, 1952
KEY	PALMETTO KEY, 1910-52
OTE	NORTH ANCLOTE 2, 1910-52
RIV	ANCLOTE RIVER, LIGHT 1, 1952
SAD	SAD (BIRDRAK), 1952
TAR	TARPON, 1934-52
USE	N. AXIS TA 36(USE,1940), 1952

MARKED TOPOGRAPHIC STATIONS

EVA	EVA, 1950-52	(So-C-50-52)
NOR	NOR, 1950-52	(So-C-50-52)
TREE	TREE, 1950-52	(So-B-50-52)

TOPOGRAPHIC STATIONS (Source So-B-50 revised 1952) *

Alm ebb New Off

** To be destroyed*

(Source So-C-50 revised 1952) *

Bag	Cod	Dif	Egg*	Fez	Pad	Par	Rag	Sad*	Sax	Toy
△ Try*	Van	Vet*	△ Wax*	Yak	Zag					

(Source So-B-51 revised 1952)

Don

*Computed positions (Third order triangulation)

STATISTICS

For Hydrographic Survey H - 7908 (1951) (SO-1151)

Project CS-336

Scale 1:10,000

U.S.C. & G. S. S. SOSBEE James D. Thurmond, Comdg.

Day Letter	Vol. No.	Date	Number of Positions	Mile Soundings		Pole Soundings
				Nautical	Statutes	
a	1	7 Mar. 1951	182	26.7	30.5	103
b	1 & 2	8 " "	222	31.7	36.2	
c	2 & 3	9 " "	162 ³	23.5	26.9	
d	3	14 " "	164 ⁸	23.3	26.4	57
e	3 & 4	15 " "	193	25.6	29.2	316
f	4	16 " "	164	21.9	25.2	225
g	5	22 " "	103 ²	13.2	15.1	161
h	5	23 " "	191	25.1	28.8	191 226
j	6	26 " "	127	19.6	22.4	
k	6	9 Apr. "	163	22.8	26.2	207
l	7	23 May "	218	29.5	33.9	3
A(Ship)	8	29 " "	141	22.2	25.5	
Totals	8	7 Mar. 1951 to 29 May 1951	2030 ³	285.1	326.3	1265 48

Area = 12.2 Square Statute miles.

SETTLING & SQUAT TESTS

Ship SOSBEE

28 - 29 May 1951

Table of Corrections

<u>1500 R.P.M.</u>	<u>1000 R.P.M.</u>
+0.2 - 17.9 ft. & above	0.0 - 17.2 ft. & above
+0.4 - 17.8 " to 15.0 ft.	+0.2 - 17.0 " to 13.3 ft.
+0.6 - 14.8 " " 13.1 "	+0.4 - 13.2 " " 10.4 "
+0.8 - 13.0 " " 11.6 "	+0.6 - 10.2 " " 7.7 "
+1.0 - 11.4 " " 10.3 "	+0.8 - 7.6 " & below
+1.2 - 10.2 " " 9.0 "	
+1.4 - 8.8 " " 7.7 "	
+1.6 - 7.6 " " 6.5 "	
+1.8 - 6.4 " & below	

ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-7908 (Field No. So-1151)

CHART COMPARISON

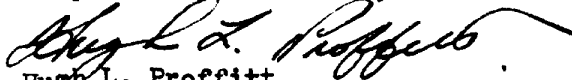
Numerous pot-holes and sloughs cover the entire area of this survey. The general trend of the six foot curve checks fairly well with chart 1258.

Particular attention is directed to the two foot shoal at Lat. 28-12.92 Long. 82-50.20, ^{two} now charted at six feet. The platform charted in this area was not mentioned. (not charted)

DISCREPANCIES

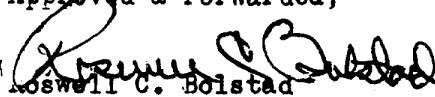
Position 104e, vol. 4, falling at Lat. 28-12.14 Long. 82-47.08 ^{plotted from boat sheet.} and locating a group of rocks, ~~was not smooth plotted as the fix is a swinger.~~

Respectfully submitted,


Hugh L. Proffitt
Cartographer.

Norfolk, Va.
11 Oct. 1953

Approved & Forwarded;


Roswell C. Boistad
Supervisor, S.E. District.

FORM 537a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T -

TOPOGRAPHIC TITLE SHEET

FIELD NO. **SO-B-51**

Each Planetable and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

STATE **Florida**

GENERAL LOCALITY **W. Coast of Florida**

LOCALITY **Anclote Anchorage to New Port Richey**

SCALE **1-20,000** DATE OF SURVEY **February**, 19 **51**
Resurvey February 1952

VESSEL **Ship SOSBEE**

CHIEF OF PARTY **James D. Thurmond - J. C. Bose**

SURVEYED BY **James D. Thurmond (Resurveyed by I.R. Rubottom 1952)**

INKED BY **I. R. Rubottom**

HEIGHTS IN FEET ABOVE MHW OR TO GROUND TO TOPS OF TREES

CONTOUR APPROXIMATE CONTOUR FORM LINE INTERVAL _____ FEET

PROJECT NUMBER **CS-336**

REMARKS

**Graphic Control Sheet for location of additional
Control for Hydrography and relocation of nonfloating
Aids to Navigation.**

*Applicable signals have been transferred to
H-7909 (1951) and H-7908 (1951)*

10/26/54 -ARS-

REVISED
DESCRIPTIVE REPORT

To Accompany Sheet T _____ (SO-B-51)

Anclote Anchorage to New Port Richey, Florida

Scale 1-20,000 February 1951 & February 1952

U.S.C. & G.S.S. SOSBEE, J. D. Thurmond & J.C. Bose, Comdg.

A. PROJECT:

This survey accomplished under Project CS-336, in accordance with Instructions dated 2 March 1949, and Supplemental Instructions dated 21 January 1952.

B. SURVEY LIMITS AND DATES:

This survey covers the area from the northern end of Anclote Keys and Anclote Anchorage to New Port Richey, Florida.

The original work was accomplished during February 1951. In accordance with Supplemental Instructions the positions of all signals were redetermined in February 1952.

C. CONTROL:

Triangulation stations only were used as a basis for the system of graphic control, during the relocation of topographic signals. The following third order stations were used: AT, 1926, NORTH ANCLOTE 2, 1910, BAILEY'S BLUFF, 1910 and New Port Richey Water Tank, 1934.

Three Additional supplemental stations were determined by Three Point Problem Computations, using theodolite directions obtained on Guano platforms, as follows: EGG, GAL & NOW. These platforms were strategically located offshore and were sufficiently stable to allow reasonable accurate theodolite directions to be obtained.

In addition two "aids to navigation" lights WAX & VET were located by Three-point Problem computations, using angles taken with a Navigating Sextant. Later planetable cuts taken to these lights checked the computed positions. (North Entrance Lt. No. 2 was also located in same manner, but it does not fall on this sheet.)

All additional topographic signals were relocated using only regular triangulation stations and the three listed supplemental stations.

All stations, except RED, NAT & MAL, were located by three or more cuts direct from triangulation points, with good intersections in all cases.

C. CONTROL CONT.:

A strong 3-point fix was determined near station RED to obtain its location. A cut was taken to chimney (MAL) from this point.

A strong 3-point fix was then determined in the vicinity of the chimney and its position definitely fixed by a stadia distance and directions.

The radio tower (NAT) has been destroyed, but the owner of the property pointed out the exact spot where it had stood, and this position was accurately determined by a stadia distance and direction from the planetable position.

Signal WHY was found to be approximately 0.4 mile out of position. Objects in this area were apparently located originally from slim cuts taken from some distance away. Evidently some confusion of the cuts was encountered on the original survey. This signal was not used on the hydrographic survey.

Errors in signal positions of varying amounts up to 20 meters were found. It is believed that these errors were mainly due to the fact that marked topographic station HOD, 1940, as plotted from the position listed on form 524, was used as part of the basic control.

All cuts taken for the relocations have been left in pencil on the sheet, to show how each station was located.

A revised list of the positions of all topographic stations is attached to this report.

All recoverable topographic stations have been listed separately on form No. 524.

The original sheet and projection was used for the relocation work.

Submitted by,

Ira R. Rubottom
Comdr., C&GS

PLANE-TABLE POSITIONS
AS REDETERMINED IN 1952

Sheet T

(90-B-51)

Object and Description	Signal Name	Lat.	D.M. Meters	Long.	D.P. Meters	Height	Remarks
Anclote Anchorage North Entrance Lt. "4"; (4th. A)	VET	28° 14'	1324.5	82° 49'	1583.6	15 ft.	Red Box & Pointer on Pile Dolphin.
Bailey's Bluff Daybeacon "1"	FEZ	28 13	734	82 48	420	12 "	Black Square Daymark on Pile.
North Anclote Lt. "6"; (4th.A)	WAX	28 12	1090.8	82 49	382.3	16 "	Red Box & Pointer on Pile Dolphin.
Bird Rack 20X20 Ft. on piling	SAD	28 13	572	82 50	1374	12 "	Center of Platform.
Bird Rack 20X20 Ft. " " (4th. A)	EGG	28 13	646.1	82 48	178.2	12 "	Flag Cen. of E. Side
Bird Rack 20X20 Ft. " " (4th. A)	GAL	28 15	1344.9	82 47	1220.8	12 "	Center of Platform
Bird Rack 20X20 Ft. " " (4th. A)	SAG	28 16	604	82 47	706	12 "	Flag Cen. of W. Side (Piling only in 1952)
Bird Rack 20X20 Ft. " " (4th. A)	REV	28 16	1080	82 45	337	12 "	Center of Platform (Piling only in 1952)
Bird Rack 20X20 Ft. " " (4th. A)	HEX	28 14	964	82 45	576	20 "	At End of Road
S.W. Gab. Shack	DON	28 12	778	82 46	1508	14 "	Off Big Bayou Pt.
S.W. Gab. Shack	HEX	28 14	964	82 45	576	20 "	Off Big Bayou Pt.
S.W. Gab. Shack	LAM	28 16	476	82 44	1254	20 "	Off Mouth of Rocky Cr.
S.W. Gab. Shack, Inshore	ORA	28 16	1355	82 44	1180	20 "	Off Pithlachasotee R.
S.W. Gab. Shack, Offshore	PEG	28 16	1378	82 45	104	20 "	"
S.W. Gab. Shack	WHY	28 16	1600	82 45	240	20 "	"
White Chimney, S. Side House on Pt.	WAL	28 16	1339	82 44	722	30 "	Off Cow Key, Most N. of Shack in the area.
Radio Tower, Steel (Destroyed 1952)	NAT	28 16	1325	82 44	696	70 "	N. of Pithlachasotee River.
Flag in Sight N. of Bailey's Bluff	ERG	28 12	1188	82 46	130	12 "	Temporary Signal

PLANE-TABLE POSITIONS
AS REDETERMINED IN 1952

Sheet T _____ (SO-B-51)

Name and Description	Signal Name	Lat.	D.M. Meters	Long.	D.P. Meters	Height	Remarks
Flag N. of Ben Pilot Pt.	FAT	28° 13'	1068	82° 45'	797	15 ft.	Mouth of Fillmans Cr
Flag S. of Big Bayou	GEM	28 14	180	82 45	15	15 "	N. of Trouble Cr.
Marked Station on W'ly Tip of Green Key, Stamped "TOP 1951"	JOE	28 15	472	82 45	852	1 "	Stan. Disk in 4-inch Tile
Flag on N'ly Side of Green Key	ICE	28 15	578	82 45	760	12 "	Temporary Signal
Sign Board at W. End of Causeway to Green Key	RED	28 15	505	82 45	216	8 "	" "
Bird Rack 20x30 ft. on piling (4th. A)	NOW	28 17	1472.6	82 47	613.5	12 "	Constructed late 1951
S. W. Gab. Masonry House	-	28 15	430	82 45	866	20 "	On Western tip of Green Key
HOD, 1940 (1952 position)	HOD	28 13	366	82 45	1449	1 "	Marked Topo station Ben Pilot Pt.

FORM 537a
(9-24--7)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T -

TOPOGRAPHIC TITLE SHEET

FIELD NO. **SO-B-51**

Each Planetable and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

STATE

Florida

GENERAL LOCALITY

W. Coast of Florida

LOCALITY

Anclote Anchorage to New Port Richey

SCALE

1-20,000

DATE OF SURVEY

February

, 19 **51**

VESSEL

Ship SOSBEE

Resurvey February 1952

CHIEF OF PARTY

James D. Thurmond - J.C. Bose.

SURVEYED BY

James D. Thurmond

(Resurveyed by: I.R. Rubottom 1952)

INKED BY

I. R. Rubottom

HEIGHTS IN FEET ABOVE MHW OR _____

TO GROUND

TO TOPS OF TREES

CONTOUR

APPROXIMATE CONTOUR

FORM LINE INTERVAL _____

FEET

PROJECT NUMBER

CS-336

REMARKS

**Graphic Control Sheet for location of additional
Control for Hydrography and relocation of nonfloating
Aids to Navigation.**

DESCRIPTIVE REPORT

To Accompany Sheet T _____ (SO-B-51)

Anclote Anchorage to New Port Richey, Florida.

Scale 1-20,000

February 1951

U.S.C. & G.S.S. SOSBEE, James D. Thurmond, Commanding.

A. PROJECT:

This survey accomplished under Project CS-336 in accordance with Instructions dated, 2 March 1949.

B. SURVEY LIMITS AND DATES:

This survey ^{covers} the area from the northern end of Anclote Keys and Anclote Anchorage to New Port Richey, Florida.

The work was accomplished during February 1951.

C. CONTROL:

Third order triangulation stations AT, 1926, North ANCLOTE 2, 1910 and BELLEY'S BLUFF, 1910 were used for control, along with New Port Richey Water Tank.

D. LANDMARKS:

No new Landmarks are recommended. The New Port Richey Municipal Water Tank has previously been charted.

E. REVISIONS:

No revisions were made in the shoreline.

F. NEW NAMES:

NO new names are recommended.

G. LIST OF PLANETABLE POSITIONS:

All Recoverable Topographic Stations have been listed separately on Forms No. 524.

All Nonfloating Aids for Charts have been submitted on Form No. 567.

A complete list of all planetable positions determined on this sheet is attached to this report.

Approved and Forwarded:

Submitted by,

James D. Thurmond
Commander, C. & G.S.
Commanding Ship SOSBEE.

Ira R. Rubottom
Commander, C. & G.S.

See position sheet for revised work in 1952

PLANE-TABLE POSITIONS

Sheet 7

(30-B-51)

Object and Description	Signal Name	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks
Anclote Anchorage North Entrance Light #4 ⁿ	VEE	28° 14'	1324.5 1580	82° 49'	1585.6 1590	15 ft.	Red Box & Pointer on Pile Dolphin.
Balley's Bluff Daybeacon #1 ⁿ	FEZ	28 13	734	82 48	420 410	12 "	Black Square Day-mark on Pile.
North Anclote Light #6 ⁿ (with order through)	WAI	28 12	1068 1068	82 49	382.3 390	16 "	Red Box & Pointer on Pile Dolphin.
Bird Rack 20x20 ft. on piling	SAD	28 13	578	82 50	1374	12 "	Center of Platform
Bird Rack 20x20 ft. on piling	EGG	28 13	648 648	82 48	178.2 178	12 "	Flag Cen. of E. Side
Bird Rack 20x20 ft. on piling	GAL	28 15	1344.9 1350	82 47	1220.8 1210	12 "	Center of Platform
Bird Rack 20x20 ft. on piling	SAG	28 16	614 614	82 47	490 490	12 "	Flag Cen of W. Side (Piling only in 1952)
Bird Rack 20x20 ft. on piling	HEV	28 16	1080 1080	82 45	337 330	12 "	Center of Platform (Piling only in 1952)
Bird Rack 20x20 ft. on piling	DON	28 12	774	82 46	1580 1480	14 "	At End of Road
S.W. Gab. Shack Balley's Bluff	HEI	28 14	564 564	82 45	576 565	20 "	Off Big Bayou Pt.
S.W. Gab. Shack	LAW	28 16	478	82 44	1250	20 "	Off Mouth of Rocky Cr.
S.W. Gab. Shack	OBA	28 16	1500 1500	82 44	1120 1090	20 "	Off Ptlachascotee R.
S.W. Gab. Shack, Offshore	PRJ	28 16	1378 1378	82 45	104 104	20 "	"
S.W. Gab. Shack	WHY	28 17	1400 1400	82 45	240 240	20 "	Off Cow Key, West N.Y. Shack in the area,
White Chimney, ^{S. side} on House on Pt.	WAL	28 16	1339 1300	82 44	722 740	30 "	N. of Ptlachascotee River.
Radio Tower, Steel (Destroyed) 1952	WAT	28 16	1525 1500	82 44	690 690	70 "	-ditto-
Flag in Right W. of Balley's Bluff	ERG	28 12	1188	82 46	130 130	12 "	Temporary Signal

PLANE-TABLE POSITIONS (Cont'd.)
Sheet 1

(90-B-51)

Name and Description	Signal Name	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks
Flag N. of Ben Pilot Pt.	FAT	28° 13'	1068	82° 45'	797	15 ft.	Mouth of Filmans Cr.
Flag S. of Big Bayou	GM	28 14	180 394	82 45	15	15 "	N. of Trouble Cr.
Marked Station of Green Key Stamped "JOE 1951"	JOE	28 15	472 468	82 45	857	19 "	Steno Disk 10-4-inch Tile
Flag on N.W. Side of "	ICE	28 15	578 588	82 45	760 744	12 "	Temporary Signal
Sign Board at N. End of Cause- way to Green Key	KND	28 15	505 510	82 45	216 190	8 "	" "
Bird rack 20x20 ft. on piling (4th order triangulation)	NON	28 17	1472.6	82 47	613.5	12 "	Constructed late 1951
S.W. Gab. Masonry Ho.	—	28 15	430	82 45	866	20 "	ON/Western tip of Green Key.
HOD, 1940 (1952 position)	HOD	28 13	366	82 45	1449	1	Marked Topo Station on Ben Pilot Pt.

GEOGRAPHIC NAMES

Survey No. H-7908

Name on Survey	Source									
	A	B	C	D	E	F	G	H	K	
<u>Florida</u>									BGN	1
										2
<u>Anclote Keys</u>									BGN	3
<u>Anclote Anchorage</u>										4
<u>Anclote Key</u>										5
<u>Dutchman Key</u>									BGN	6
<u>North Anclote Key</u>									"	7
<u>Baileys Bluff</u>										8
										9
										10
										11
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										27

Names underlined
 are not approved
 10-22-53 J. Hack

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H-7908..

Records accompanying survey:

Boat sheets ...¹...; sounding vols. ⁸.....; wire drag vols.;
 bomb vols.; graphic recorder rolls ⁵ Env.
 special reports, etc. ¹ Descriptive Report; ¹ Smooth Sheet;.....

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

Number of positions on sheet		<u>2033</u>
Number of positions checked		<u>32</u>
Number of positions revised		<u>0</u>
Number of soundings revised (refers to depth only)		<u>12</u>
Number of soundings erroneously spaced		<u>0</u>
Number of signals erroneously plotted or transferred		<u>0</u>
Topographic details	Time	<u>20</u>
Junctions	Time	<u>6</u>
Verification of soundings from graphic record	Time	<u>10</u>

Verification by J. J. Sullivan Total time 220.. Date 19 Oct 54

Reviewed by A. R. S. TIRMI Time 36 hrs Date 27 Oct -54

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-7908

FIELD NO. SO-1151

Florida, Florida West Coast, Anclote Keys and Anclote Anchorage

Project CS-336

Surveyed - March - May 1951

Scale 1:10,000

Soundings:

Control:

808 Fathometer
Sounding Pole

Sextant fixes on
shore signals

Chief of Party - J. D. Thurmond
Surveyed by - J. D. Thurmond and I. R. Rubottom
Protracted by - G. L. Fernandes
Soundings plotted by - G. L. Fernandes
Verified and inked by - J. T. Gallahan
Reviewed by - A. R. Stirni 10-27-54
Inspected by - R. H. Carstens

1. Shoreline and Control

The shoreline originates with air-photographic survey T-5818 of 1939-41. No changes in the shoreline are noted on subsequent smaller scale surveys T-8361 made in 1943 and CS 372 made in 1948. The bird rack (uncharted) at lat. $28^{\circ}12.03'$, long. $82^{\circ}49.98'$ on T-5818 is not shown on the present survey and is presumed to be destroyed. Revised shoreline applied in brown at lat. $28^{\circ}10.90'$, long. $82^{\circ}47.80'$ is from Bp. 50747, a preliminary shoreline compilation made from single lens photographs of 1948.

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

Graphic Control Survey SO-B-51 (Rev. 52) is marked for destruction. All pertinent information thereon has been transferred to the present survey.

2. Sounding Line Crossings

Depths at crossings are in good agreement.

3. Depth Curves and Bottom Configuration

Hydrographic development is adequate to clearly delineate the usual depth curves. The 3-ft. curve has been added to accentuate the many sand bars, natural channels and depressions which characterize portions of this area.

4. Junctions with Contemporary Surveys

Adequate junctions are effected with H-7909 (1951) on the north and west and H-7906 (1951) on the southeast. The junction with H-7904 (1951) on the south will be considered in the review of that survey.

5. Comparison with Prior Surveys

H-1593 (1884), 1:40,000
H-1594 (1884), 1:10,000
H-4582 (1926), 1:20,000

These prior surveys covered the area of the present survey during the periods indicated. Though no significant changes have taken place over the span of years, there are random differences in depth of 1 to 2 feet. The depth curves are generally similar. The present survey more thoroughly develops the detail of bottom configuration and permits greater expression in curve delineation. The natural channel north of North Anclote Key at lat. $28^{\circ}12.90'$, long. $82^{\circ}50.50'$ has widened from a former width of 240 meters to the present width of 400 meters by current and tidal action between Anclote Anchorage and the Gulf of Mexico.

The present survey 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. 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 very good basic survey and no additional field work is recommended.

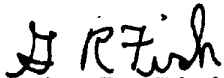
Examined and approved:



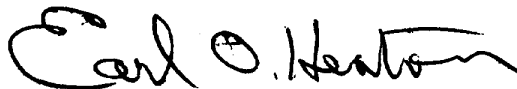
H. R. Edmonston
Chief, Division of Charts



E. R. McCarthy
Acting Chief, Division of Charts



G. R. Fish
Chief, Hydrography Branch



Earl O. Heaton
Chief, Division of Coastal Surveys

839

RHC

Form 719
DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
Rev. June 1937

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Hydrography and Topography~~

5 November 1953

Division of Charts: R. H. Carstens

Plane of reference approved in
8 volumes of sounding records for

HYDROGRAPHIC SHEET 7908

Locality West Coast of Florida

Chief of Party: J. D. Thurmond in 1951
Plane of reference is mean low water, reading
2.5 ft. on tide staff at Anclote Lighthouse
6.2 ft. below B. M. 1 (1925)

Height of mean high water above plane of reference is 2.1 feet.

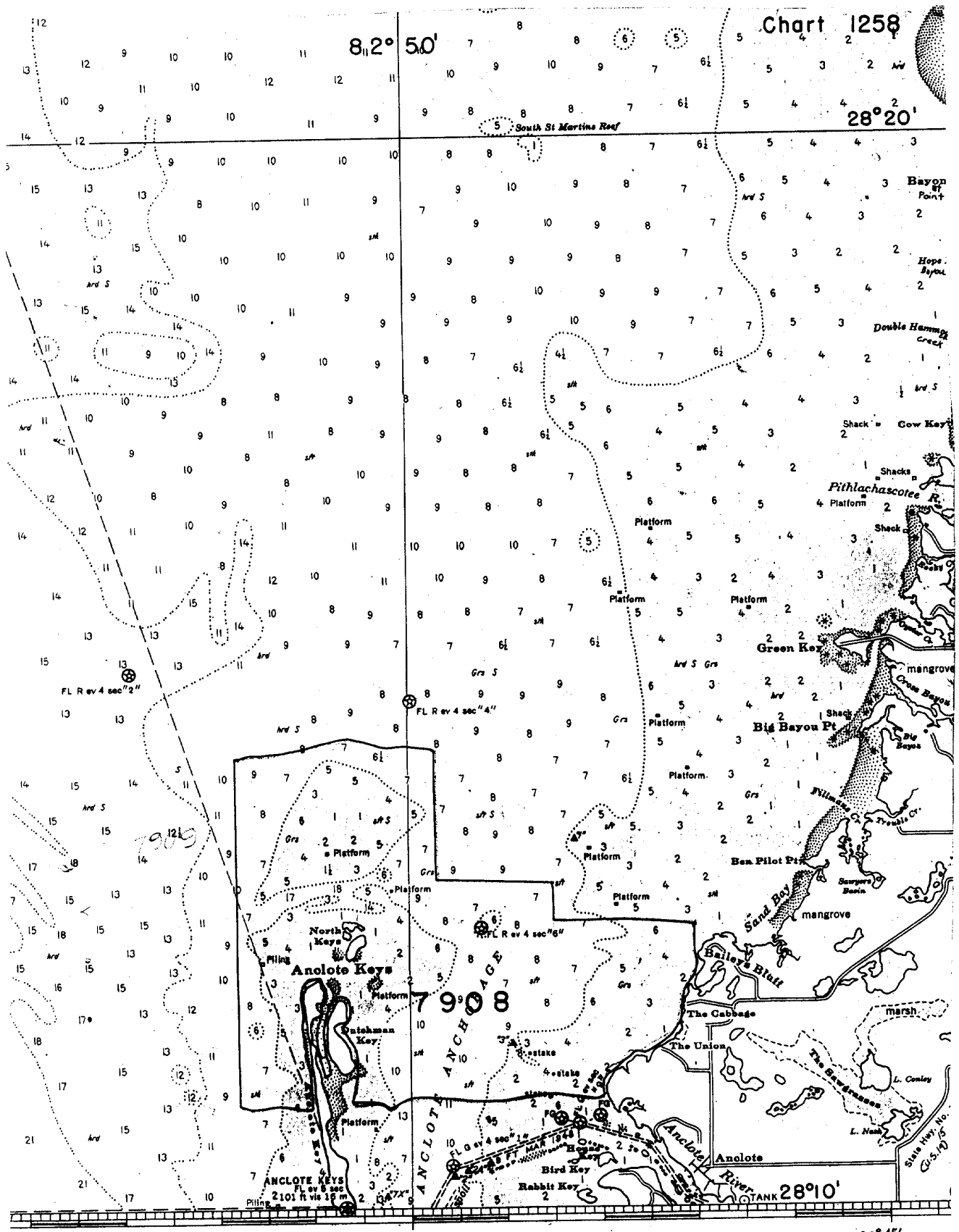
Condition of records satisfactory except as noted below:

E. C. McKay
Section of Tides

Chief, Division of Tides and Currents.

81° 50'

28° 20'



(JOINS CHART 1257)

82° 50'

28° 10'

