

7904

Dair. Chart. Nos. 1257-2 & 1258

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. SC-1250 Office No. H-7904

LOCALITY

State Florida

General locality Florida West Coast

Locality Anclote Keys to Daneman Point

1945 & 1951

CHIEF OF PARTY

James D. Thurmond

LIBRARY & ARCHIVES

DATE NOV. 2, 1953

7904

NOV 2 1953

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-7904

Field No. SO-1250

State Florida

General locality Florida West Coast

Locality Anclote Keys - ^{to Danenman Pt} ~~Anclote Anchorage~~

Scale 1:10,000 Date of survey 10 October 1950 to 18 April 1951

Instructions dated 2 March 1949

Vessel Ship SOSBEE and Skiff No. 735

Chief of party James D. Thurmond

Surveyed by James D. Thurmond & Ira R. Rubottom

Soundings taken by ~~fathometer~~, graphic recorder, ~~and~~ ~~and~~ ~~and~~ ~~and~~ ~~and~~ Pole.

Fathograms scaled by Ship's Personnel

Fathograms checked by " "

Protracted by Richard D. Lynn

Soundings penciled by A.G. Atwill

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

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

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DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY NO. H-7904 (SO-1250)

Anclote Keys & Anclote Anchorage, Florida West Coast

Scale 1:10,000 10 Oct. 1950 to 18 April 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:

B.L.N. decision
This survey covers the inshore area from the northern part of St. Joseph's Sound, Latitude 28° 07'.00, to central part of Anclote Anchorage, latitude 28° 11'.00. It extends offshore to longitude 82° 51'.75.

Junction is made with the following sheets:

H-7876 (1949-50)

H-7908 (1951)

H-7905 (1950)

SO-1649 on the south, SO-1151 on the north, and SO-2150

on the west, H-7909 (1951) on the north and H-7906 (1951) on the northeast.

Field work began on 10 October 1950 and ended 18 April 1951.

C. VESSELS AND EQUIPMENT:

Hydrography was accomplished with 25 foot skiff No. 735, built especially for work in shoal water. The skiff was operated with two Johnson 10 horsepower outboard motors and operated from the USC&GSS SOSBEE which based 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.

One line was run, with the Ship SOSBEE, out the main Channel from Anclote Anchorage off the mouth of the Anclote River to South Entrance Light "1".

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

D. TIDE AND CURRENT STATIONS:

Tidal data obtained from portable gage No. H-²⁹¹~~301~~, established at Anclote Keys Lighthouse, Florida, were used to reduce all soundings.

Current Station No. 7, Project CS-336 in latitude 28° 10'.06 N., longitude 82°49'.80 W. was observed for 56 continuous hours, 22 - 25 January 1951, by the Ship SOSBEE.

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.

First Order triangulations as follows:

CLO-(Anclote Keys Lighthouse, 1910) Geographic Position from Page 196, Dunnellon to Naples, Fla.

TAR-(TARPON, 1934) Geographic Position from Page 195, Dunnellon to Naples, Florida.

Third Order triangulation as follows:

KEY-(Palmetto Key, 1910) Geographic Position from Page 762, Boca Ciega Bay to Anclote Anchorage, Florida.

Topographic Stations were obtained from the following:

<u>Reg. No.</u>	<u>Date</u>	<u>Method of Location</u>
SO-A-50 Resurvey '52 -	1950 (52) -	Graphic Control
SO-B-50 " -	1950 (52) -	" "
SO-C-50 " -	1950 (52) -	" "
T-8361 (CS-372)-	1943 -	Air Photographic

G. SHORELINE AND TOPOGRAPHY:

The shoreline was transferred from film positives of Topographic Sheets Nos. T-8361(CS-372) and T-8378(CS-373), which were furnished by the Washington Office.

No changes were made in the shoreline or topographic features. (see Review P 1)

H. SOUNDINGS:

Hydrography was accomplished by the use of 808 depth recorders mounted in a 25 foot skiff with the traneivers placed inside and on the bottom of the skiff.

The depth recorders were adjusted to read Correct depth by adequate bar checks and adjustment of the initial reading. Corrections for Settlement and Squat for Ship SOSBEE applied to soundings in record book, but not to soundings on Boat Sheet.

I. CONTROL OF HYDROGRAPHY:

Hydrography was Controlled by 3-point sextant fixes on signals located by triangulation, graphic control or air photographic methods. 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 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:

Since this former survey was made, a Channel has been dredged into Anclote Anchorage in an easterly-westerly direction in latitude $28^{\circ} 08'.26$, continuing in a north-easterly direction to Anclote River Light "1", thence in an east northeasterly direction to the mouth of the Anclote River. This Channel has a Controlling depth of 9 feet. In the immediate vicinity of the Channel the dredgings have been dumped, thus building up shoal spots which were not in existance at the time of the former survey.

Over the remainder of the sheet the depths are in very close agreement.

M. COMPARISON WITH CHART:

The depths are in close agreement with those shown on Chart No. 1257. Sunken Wreck Charted in Latitude $28^{\circ} 08'.60$, Longitude $82^{\circ} 47'.65$, was investigated and should be retained.

N. DANGERS AND SHOALS:

All important Dangers and Shoals are at present adequately delineated on the Chart with the following exceptions:

N. DANGERS AND SHOALS CON'T:

In the South Entrance Channel two shoal spots exist one on each side of the Channel directly opposite each other and very close to the channel. These two spots are particularly dangerous in that they are only 53 meters apart lying between Bn. "5" and ~~Light 67~~^{Light 67} and the northerly, or shoaler spot, lies 10 meters on the Channel side of the line of beacons marking the norther side of the Channel. The Currents usually set at an angle across the Channel at this point.

The shoals are located as follows:

1. Least depth ^{6.0'} 6-3/4 ft., latitude 28° 08'.⁸27, longitude 82° 51'.08. ✓
2. Least depth ^{7.0'} 7 1/2 ft., latitude 28° 08'.⁵24, longitude 82° 51'.08. ✓

Two other shoal spots lie in the area marked "Spoils" on the Chart east of Bns. 8 & 10.

1. Least depth 6 ft., latitude 28° 09'.²⁹30, longitude 82° 50'.08. ✓
2. Least depth ^{5.0'} 5 1/2 ft., latitude 28° 09'.83, longitude 82° 49'.74. ✓

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. ✓

U-Y. MISCELLANEOUS:

No velocity corrections were applied to fathometer soundings since the fathometers were adjusted to record Correct depth by adequate bar checks. Initial Corrections were applied where necessary. ✓

Z. TABULATION OF APPLICABLE DATA:

Previously forwarded:

1. Current Station No. 7.
2. Form 567 Landmarks for Charts.
3. Form 567, Non-floating Aids to Navigation dated 20 April 1951.
- 4, Report of Settlement & Squat Tests, Ship SOSBEE.

Z. TABULATION OF APPLICABLE DATA: (CON'T.)

Attached to this report:

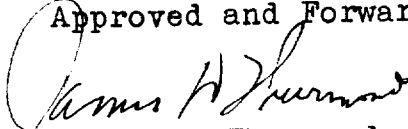
1. Statistics.
2. Tidal Note.
3. List of Signals.
4. List of Settlement and Squat Corrections
for Ship SOSBEE.

Thurmond Special Report #19 (1951)

Submitted by,

Ira R. Rubottom
Commander, C&GS

Approved and Forwarded:

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

ADDENDUM TO
DESCRIPTIVE REPORT FOR SO-C-50
TAMPA FIELD UNIT

A. PROJECT:

The work on this resurvey consisted of the relocation of signals shown on SO-C-50, 1:20,000. It was undertaken on Instructions addressed to LCDR J. E. Waugh, dated 4/2/52, reference 71-aal; and Supplemental Instructions for Project CS-336 addressed to the Commanding Officer, Ship SOSBEE, dated 4/2/52, reference 22/MEK, S-2-50. These latter instructions were amended by letter to the Commanding Officer, Ship SOSBEE, dated 4/18/52, reference 21/MEK, S-1-50.

B. SURVEY LIMITS AND DATES:

This survey covers the northern part of Anclote Anchorage, Anclote Keys and the entrance to Anclote River.

The field work was accomplished between 9-16 July 1952.

C. CONTROL:

Five (5) triangulation stations were recovered. Ten (10) triangulation stations were established.

Recovered Stations:

<u>Name</u>	<u>Date</u>	<u>Chief of Party</u>
ANCLOTE KEYS LIGHTHOUSE	1910	G. H. R.
PALMETTO KEY	1910	G. H. R.
TARPON	1934	G. L. A.
BAILEYS BLUFF	1910	G. H. R.
NORTH ANCLOTE 2	1910	G. H. R.

Stations located by this party:

VICTOR CHEMICAL WORKS TANK (ELEVATED)
ANCLOTE RIVER LIGHT 1
ANCLOTE RIVER CUT A & B RANGE FRONT LIGHT 9
ANCLOTE RIVER CUT A RANGE REAR LIGHT

TIDAL NOTE

Portable tide gage, No. H-²⁹¹~~301~~, was established at the southern end of Anclote Keys, in Latitude 28° 09'.90 North., Longitude 82° 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.

J.D. Thurmond Special Report #19 (1951)

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 ft. 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	

Processing Office
 LIST OF SIGNALS
 H-7904

TRIANGULATION STATIONS ✓

ABE ✓ ANCLOTE RIVER, CUT A RANGE REAR LIGHT, 1952
 BBE ✓ 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
 RIV ✓ ANCLOTE RIVER, LIGHT 1, 1952
 TAR ✓ TARPON, 1934-52
 USE ✓ NORTH AXIS, TA-36 (USE, 1940), 1952

MARKED TOPOGRAPHIC STATIONS ✓

COP, 1950	So-C-50	Resurvey of 1952	
EVA, 1950	So-C-50	" " "	
FEZ, 1941	T-5819	" " "	524 with 50-A-50
NOR, 1950	So-C-50	" " "	
TREK, 1950	So-B-50	" " "	
TRY, 1950	So-A-50	" " "	
WEST MON. (USE), 1950	So-B-50	Resurvey of 1952	

*Planetable sheets
 50-B-50, 50-A-50
 and 50-C-50
 marked for
 destruction*

TOPOGRAPHIC STATIONS ✓ (Source So-A-50, Resurveyed 1952)

Jon ✓ Lon ✓ Mar (d) ✓ Mat (d) ✓ Ned ✓ Toe (d)

(Source So-B-50, Resurveyed 1952)

Alm ✓ Bal ✓ Bin ✓ Bn. S ✓ Ebb ✓ *Gal ✓ Hex ✓ Ida ✓ Imm ✓ Jib ✓ Joe (d)
 Ked (d) Lip ✓ Max ✓ New ✓ Nig ✓ Off ✓ Out ✓ Pie (d) Pos ✓ San ✓ Sty (d)
 Tid (d) Upp (d)

(Source So-C-50, resurveyed 1952)

Dif ✓ Sax ✓ Van ✓

PHOTOGRAMMETRIC FEATURES ✓ (Source Air-photo compilation T-8361) ✓

Cup ✓

*Not recovered on 1952 resurvey. Position adjusted to agree with that work. ✓

REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY H-7904 (FIELD NO. SO-1250)

E. SMOOTH SHEET.

The projection was received in the Tampa Photogrammetric Office on 3 November 1952, for applying shoreline and control.

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

All control was plotted and checked by dm's and dp's. In plotting the control, it was 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. The stations are as follows:

<u>TRIANGULATION STATIONS</u>	<u>Date</u>	<u>Chief of Party</u>
ANCLOTE KEYS LIGHTHOUSE	1910	GHR
ANCLOTE RIVER LIGHT 1	1952	JEW
ANCLOTE RIVER CUT A & B RANGE FRONT LIGHT 9	1952	JEW
ANCLOTE RIVER CUT A RANGE REAR LIGHT	1952	JEW
ANCLOTE RIVER CUT B RANGE REAR LIGHT	1952	JEW
EDD 90 (USE-1935)	1952	JEW
NORTH AXIS TA-36 (USE-1940)	1952	JEW
PALMETTO KEY	1910	GHR
TARPON	1934	GLA

*See also
Processing Office
List of Signals
for source of
additional
signals*

<u>TOPOGRAPHIC STATIONS</u>		<u>Method of Location</u>
<u>Registry No.</u>		
COP	Resurvey SO-C-50	Planetable
EVA	" "	"

<u>TOPOGRAPHIC STATIONS</u>		<u>Date</u>	<u>Method of Location</u>
<u>Registry No.</u>			
JOE	Resurvey SO-B-50	1952	Planetable
KED	" "	"	"
NEW	" "	"	"
NOR	" SO-C-50	"	" <i>Planetable</i>
PIE	" SO-B-50	"	" <i>sheets SO-B-50 &</i>
TID	" "	"	" <i>SO-C-50. marked</i>
TREE	" "	"	" <i>for destruction</i>
STY	" "	"	"
UPP	" "	"	"
WEST	<u>MON.</u> "	"	"

HYDROGRAPHIC STATIONS

ALM	Resurvey SO-B-50	"	"
BAL	" "	"	"
BIN	" "	"	"
BN 3	" "	"	"
DIF	" SO-C-50	"	"
FEZ	" SO-B-50	"	"
HEX	" "	"	"
IDA	" "	"	"
INN	" "	"	"
JIB	" "	"	"
LIP	" "	"	"
MAX	" "	"	"
NIG	" "	"	"
OFF	" "	"	"
OUT	" "	"	"
POS	" "	"	"
SAN	" "	"	"
SAX	" SO-C-50	"	"
VAN	" "	"	"

G. SHORELINE AND TOPOGRAPHY.

Shoreline was taken from Planimetric Maps T-5818, dated August 1941 and T-5819, dated March 1941, scale 1:10,000. The shoreline was corrected at Stations COP (Lat. 28° 10.7'; Long. 82° 52.9') and TREE (Lat. 28° 10.4'; Long. 82° 48.9') to agree with field measurements taken at the time of resurveys.

Two small islands, located at Approximate Latitude $28^{\circ} 10.4'$
and Longitude $82^{\circ} 49.1'$, were omitted because they do not appear
on the boat sheet. (*Islands conflict with hydro*)


Robert R. Wagner, Carto. Photo. Aid

APPROVED AND FORWARDED:

William A. Rasur
for J. E. Waugh, Chief of Party

DESCRIPTIVE REPORT TO ACCOMPANY

Sheet SO-B-50 St. Joseph Sound & Anclote Anchorage
Scale 1-20,00 October 1950
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 northern part of St. Joseph Sound and the southern part of Anclote Anchorage.

The work was accomplished during October 1950.

C. CONTROL:

Adequate third order triangulation stations were recoverable and used for Control.

No unusual methods were employed and no traverses were run.

D. LANDMARKS:

A thorough investigation of Landmarks for Charts was made over this area in 1948, and no additional marks are recommended.

E. REVISIONS:

No revisions were made in the shoreline or other topographic features.

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. *Forms filed under hydro. surveys*
Positions corrected from 1952 resurvey

A list of all plane-table positions determined on this sheet is attached.

Approved and Forwarded:

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

Submitted by,

Ira R. Rubottom
Commander, C&GS

See revised positions of 1952
PLANE-TABLE POSITIONS

Sheet 30-B-50

Object and Description	Signal Name	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks
Anclote Anchorage, S. Entrance Light "1"	OUT	28°-08'	500	82°-51'	1573	15 ft.	Black box & pointer on dolphin.
Anclote Anchorage, S. " "	INN	28°-08'	525	82°-50'	1456	16 "	" "
Anclote Anchorage, S. Light "7"	NIG	28°-08'	1520	82°-51'	168	12 "	Black square day-mark & pointer on pile.
Anclote Anchorage, Turn Day-beacon "5X"	LIP	28°-09'	462	82°-50'	980	12 "	" "
Anclote River Light "1"	RIV	28°-10'	691	82°-49'	882	15 "	Black Box & pointer on pile.
Anclote Keys Daybeacon "7X"	EBB	28°-10'	214	82°-50'	458	12 "	Black square day-mark & pointer on pile
St. Joseph Sound Daybeacon "38"	IDA	28°-08'	1230	82°-49'	587	12 "	Red triangular daymark & pointer on pile
Guano platform	NEW	28°-09'	1421	82°-51'	660	12 "	Center of platform
" "	KED	28°-09'	477	82°-49'	155	12 "	" "
Piles of old Bird Rack	JIB	28°-09'	522	82°-48'	1324	12 "	Center of piles
" "	MAX	28°-09'	694	82°-50'	1385	12 "	" "
" "	OFF	28°-10'	79	82°-51'	687	12 "	" "
" "	HEX	28°-07'	507	82°-50'	1539	12 "	" "
" "	GAL	28°-06'	1761	82°-50'	648	12 "	U.S.E. mark on lone pile
W. MON U.S.E.	MON	28°-07'	04	82°-50'	357	4 "	Center of end of pier
Outer end of USCG pier	TID	28°-09'	1615	82°-50'	936	6 "	South Gable
Gable of boat house	STY	28°-09'	1732	82°-50'	1064	15 "	Temporary Signal
Banner in tree on point	BAL	28°-10'	193	82°-50'	1353	10 "	" "
" on Palm stump	AIM	28°-10'	388	82°-50'	1420	10 "	Topo Disc in 4 inch tile at base of Largest Tree.
TREE, 1950 on small Islet with two Trees on S. side of Anclote R. Channel	TREE	28°-10'	774	82°-48'	1560	3 "	

Positions revised in 1952
 PLANE-TABLE POSITIONS

Sheet 50-B-50

Object and Description	Signal Name	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks
N.W. Gable white house	JOE	28°-07'	1841	82°-46'	1488	20 ft.	Prominent gable to seaward
Banner in bush	POS	28°-08'	610	82°-47'	429	6 "	Temporary Signal
Dormer Window pavillion on pier	PIE	28°-08'	1185	82°-47'	765	6 "	Center of W. side
Banner in bush	SAN	28°-09'	342	82°-47'	988	4 "	Temporary Signal
" "	PIN	28°-09'	1264	82°-47'	1527	6 "	"
S.W. Gable Hotel (Upham House)	UPP	28°-10'	17	82°-47'	673	50 "	Prominent Gable to Seaward
Anclote Anchorage, S. Entrance, Bn. "3"	-	28°-08'	507	82°-51'	1010	8 "	Black Pile
Anclote Anchorage, S. Entrance, Bn. "5"	-	28°-08'	518	82°-51'	259	8 "	"
Anclote Anchorage, S. Entrance, Bn. "8"	-	28°-09'	417	82°-50'	388	3 "	Red Pile
Anclote Anchorage, S. Entrance, Bn. "10"	-	28°-09'	1433	82°-49'	1398	8 "	Red Pile

DESCRIPTIVE REPORT TO ACCOMPANY
SURVEY SO-B-50 (RESURVEY) SCALE 1:20,000
ST. JOSEPH SOUND & ANCLOTE ANCHORAGE
TAMPA FIELD UNIT

A. PROJECT:

The work on this survey consisted of the relocation of signals shown on Survey SO-B-50, 1:20,000. It was undertaken on Instructions addressed to LCDR Joseph E. Waugh, dated 4/2/52, reference 71-aal; and Supplemental Instructions for Project CS-336 addressed to the Commanding Officer, Ship SOSEKE, dated 4/2/52, reference 22/MEK, S-2-50. These latter instructions were amended by letter to the Commanding Officer, Ship SOSEKE, dated 4/18/52, reference 21/MEK, S-1-50.

B. SURVEY LIMITS AND DATES:

This resurvey covers the northern part of St. Joseph Sound and the southern part of Anclote Anchorage.

The field work was accomplished between 19-26 May 1952.

C. CONTROL:

Five (5) triangulation stations were recovered and two (2) new triangulation stations were established.

Recovered Stations:

<u>Name</u>	<u>Date</u>	<u>Chief of Party</u>
NORTH HOG ISLAND	1910	G. H. R.
ANCLOTE KEYS LIGHTHOUSE	1910	G. H. R.
PALMETTO KEY	1910	G. H. R.
STORY	1926	R. P. E.
TARPOW	1934	G. L. A.

Stations established in 1952 by this party:

ANCLOTE RIVER LIGHT 1
VICTOR CHEMICAL WORKS TANK (ELEVATED)

D. LANDMARKS:

No change.

E. REVISIONS:

The original Survey 80-B-50 was returned to this party for analysis and additional work if found necessary. Your attention is invited to the following:

1. A new projection was made as the original projection was apparently in error. (See pencil note on original survey).
2. Triangulation Station STOKY 1926 was recovered by personnel from the Ship SOSNEE after the original survey had been submitted. It was used in the location of signals on this resurvey.
3. The new stations established (See C. above) and STOKY 1926 materially strengthen the 1952 positions.
4. It is the understanding that T-8361 (1:20,000) is a reduction from the original Survey T-5818 (1:10,000) with minor corrections and the addition of contours. The original surveys were modified still further in 1948 by the addition of detail from Survey CS 372 (1:20,000) and Topographic Survey T-7101 (1:20,000).
5. Numerous blue pencil notes had been placed on the original survey. These notes have been answered (where necessary) by placing a pencil note alongside the applicable signal on the resurvey.

F. NEW NAMES:

No change.

G. LIST OF PLANETABLE POSITIONS:

A composite list of all planetable positions determined on this resurvey is attached. In addition revised cards (Form 524) for all recoverable topographic stations are being

submitted. This composite list of signals shows the several positions of common points on the numerous surveys of this area. Unless otherwise noted, the 1952 locations should be used with the proviso that the Daybeacons and Lights along Anclote Anchorage South Entrance Channel, St. Josephs Sound, Anclote Keys and Anclote River were serviced just prior to the 1952 work and may have been disturbed. You will please note that Daybeacon 5 was moved and that a new Daybeacon 6 was established. The U. S. Coast Guard have been contacted and there is no record available of when the Daybeacons are serviced. Hydrographic Signal GAL was not recovered. Please refer to the attached copy of correspondence with the Supervisor, Southeastern District.

William A. Rasure, Photogrammetrist

APPROVED AND FORWARDED:

J. E. Waugh, Chief of Party

ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-7904 (Field No. So-1250)

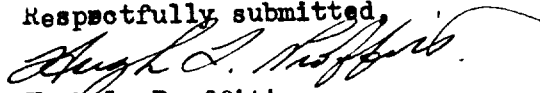
GENERAL

With the exception of the shallow flats, the bottom in this entire area is characterized by numerous pot-holes and sloughs. In general, the soundings checked very well in these areas.

SHORELINE

Shoreline at North Point was not entered on the smooth sheet by the Tampa Office.

Respectfully submitted,



Hugh L. Proffitt
Cartographer

Norfolk, Va.
28 Oct. 1953

Approved & Forwarded:



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

STATISTICS

For Hydrographic Survey H-7984(1950-51)(SO-1250)

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	10 Oct. 1950	245 a day	33.3	38.3	123
b	2	11 " "	225 b	30.3	34.5	25
	2 & 3	12 " "	63 c	9.6	11.0	--
	3	19 " "	174 d	23.3	26.8	11
e	4	20 " "	179 e	27.1	31.2	8
f	4 & 5	24 " "	226 f	31.1	36.7	24
g	5 & 6	25 " "	213 g	26.6	30.6	139
h	6 & 7	26 " "	186 h	20.4	23.5	268
j	7	27 " "	194 j	28.2	32.4	1
k	8	1 Nov. "	147 k	21.8	25.1	--
l	8 & 9	2 " "	194 l	29.3	33.5	--
m	9 & 10	3 " "	199 m	30.8	35.2	--
n	10	7 " "	206 n	29.2	33.5	78
p	11	8 " "	199 p	29.6	33.8	--
q	11 & 12	22 " "	205 q	28.8	32.9	14
A(Ship)	16	27 " "	22 A	3.4	3.9	--
r	12 & 13	17 Jan. 1951	133 r	20.4	23.3	--
s	13	27 Feb. "	108 s	16.3	18.8	--
t	13 & 14	28 " "	163 t	24.1	27.5	--
u	14	1 Mar. "	139 u	19.8	22.6	--
v	14 & 15	16 Apr. "	114 v	15.4	17.7	8
w	15	18 " "	37 w	3.5	4.0	7
Totals	16	10 Oct. 1950 to 18 Apr. 1951	3571	502.3	576.6	706

Area Square statute miles = 20.1.

NAME	LATITUDE		T-5818	T-7101	1950	1952	
	LONGITUDE						
ALM	28	10			388	401	
	82	50			1420	1400	
BAL	28	10			193	200	
	82	50			1353	1340	
SYX	28	09	1739		1732	1738	
	82	50	1067		1064	1065	
YED	28	09	1632		1615	1624	
	82	50	996		986	995	
OFF	28	10			79	82	
	82	51			687	670	
NEW	28	09			1421	1433	
	82	51			660	656	
MAX	28	09			694	691	
	82	50			1385	1385	
LIP ANCLOTE ANCHORAGE TURN DAYBEACON 5X	28	09		464	462	463	
	82	50		983	980	978	
ANCLOTE ANCHORAGE SOUTH ENTRANCE DAYBEACON 8	28	09		422	417	413	
	82	50		393	388	383	
NIG ANCLOTE ANCHORAGE SOUTH ENTRANCE DAYBEACON 3X	28	08		1525	1520	1527	
	82	51		187	168	176	
OUT ANCLOTE ANCHORAGE SOUTH ENTRANCE LIGHT 1	28	08		500	500	502	Rebuilt 1950
	82	51		1600	1573	1576	
ANCLOTE ANCHORAGE SOUTH ENTRANCE DAYBEACON 3	28	08		500	507	510	
	82	51		1033	1010	1008	

80-B-50

NAME	LATITUDE		T-5818	T-7101	1950	1952	
		LONGITUDE					
ANCLOTE ANCHORAGE							
SOUTH ENTRANCE	28	08		516	518	524	Rebuilt
DAYBEACON 5	82	51		275	259	90	1950
ANCLOTE ANCHORAGE							
SOUTH ENTRANCE	28	08				439	ESTAB-
DAYBEACON 6	82	51				86	LISHED 1952
INN							
ANCLOTE ANCHORAGE							
SOUTH ENTRANCE	28	08		517	525	522	BUILT
LIGHT 7	82	50		1465	1456	1448	1940
HEX	28	07			507	513	
	82	50			1539	1532	
MON	28	07			04	16	
W. MON (USE)	82	50			357	349	
PEZ	28	07	693 **			689.3	Traverse
	82	46	1630			1634.0	
JOE	28	07			1841	1841	
	82	46			1488	1496	
PIE	28	08			1185	1185	
	82	47			765	761	
SAN	28	09			342	337	
	82	47			988	983	
BIN	28	09			1264	1262	
	82	47			1527	1523	
TRIE	28	10			772	771	
	82	48			1561	1560	
RIV							
ANCLOTE RIVER	28	10	689	700	691	692.0	BUILT
LIGHT 1	82	49	896	895	882	892.6	1910

SO-B-50

NAME	LATITUDE		T-5818	T-7101	1950	1952
		LONGITUDE				
EBB						
ANGLOTE KEY	28	10		221	214	212
DAYBEACON 7K	82	50		469	458	464
IDA						
ST. JOSEPHS SOUND	28	08		1224	1230	1223
DAYBEACON 3B	82	49		589	587	584
KED	28	09			477	470
	82	49			155	156
JIB	28	09			522	510
	82	48			1324	1328
ANGLOTE ANCHORAGE						
SOUTH ENTRANCE	28	09		1258	1433	1441
DAYBEACON 10	82	49		1595	1398	1406
POS	28	08			610	607
	82	47			429	430
UPP	28	09			10'17"	1839
	82	47			673	669
STEEL WATER TANK						
1948 (Same as WHITE	28	10		82.0	81	79.5
WATER TANK, VICTOR)	82	46		858.0	860	864.1 *
ANGLOTE RIVER	28	10	578	564	567	560
DAYBEACON 2	82	49	949	957	947	951
ANGLOTE RIVER	28	10	668	642	646	639
DAYBEACON 2A	82	49	860	859	857	856

* 1952 triangulation

** T-5819

Tampa Photogrammetric Office
Box 1689 Tampa Florida

18 July 1952

AIR MAIL

To: Supervisor, Southeastern District
U. S. Coast and Geodetic Survey
418 Post Office Building
Norfolk 10, Virginia

Subject: SOSBEE - Topographic Sheets

Reference: Your letter dated 7/14/52

In compliance with your request of 14 July, the following information is submitted:

<u>NAME</u>	<u>LOCATION</u>	<u>DIFF. FROM 1950</u>
HEX	Latitude 28° 07' / 513 (1334) ✓	/6
	Longitude 82° 50' / 1532 (106) ✓	-7
W.MON (USE)	Latitude 28° 07' / 16 (1831) ✓	/12
	Longitude 82° 50' / 349 (1289) ✓	-8

*Checked on
H-7876 968*

You will please note that the 1952 location of the signals differ from the 1950 location. HEX was positively identified. The only object visible in 1952 in the vicinity of GAL was the one remaining pile that projects from MHW. The area was visited when this mud flat was awash. There is evidence that a group of piles covering a large area existed here at one time. It is believed that GAL was not recovered. The only pile visible in the area of W. MON (USE) is awash at MLW. It was located for the station.

JEW:mb

J. E. Waugh
LCDR, USC&GS
Officer in Charge

COPY

COPY

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

711-aal

26 August 1952

To: Lt. Comdr. Joseph E. Waugh
U. S. Coast and Geodetic Survey
P. O. Box 1689
Tampa, Florida

Subject: Photogrammetric manuscripts, Project Ph-91, R. S.
Nos. 449 to 455, inclusive.

The subject manuscripts upon completion at Tampa should be forwarded to this office for examination and for copying; they will then be sent promptly to the Norfolk Processing Office. Copies of the manuscripts will be furnished our Nautical Chart Branch so that the map corrections can be applied to the nautical charts. Please include in the descriptive reports for these manuscripts all information necessary for the Norfolk Processing Office to apply the signals and shoreline to the smooth hydrographic sheets.

The planetable revision on Project Ph-91 need not be forwarded to the Washington Office, but should be sent directly to the Norfolk Processing Office.

/s/ Robert W. Knox
Acting Director

cc: CO, Ship SOSBEE

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Tampa Photogrammetric Office
Box 1689 Tampa Florida

3 October 1952

To: Supervisor, Southeastern District
U. S. Coast and Geodetic Survey
418 Post Office Building
Norfolk 10, Virginia

Subject: Records for Project CS-336 (Ph-91)

Reference: Letter from the Director dated 8/26/52; ref. 711-aal

The first of the graphic control resurveys are being forwarded to you under separate cover. The other resurveys will be forwarded as they are processed.

Although the Director did not call for recommendations in the area covered by the graphic control resurveys, the following comments are offered as a help in preparing the smooth sheets for the area north of approximate Latitude $27^{\circ} 52\frac{1}{2}'$. All signals that could be recovered in this area were either verified or relocated on planetable sheets using standard graphic control methods. Please refer to each individual resurvey for detailed discussion. An addendum has been added to each report covering the Tampa Field Unit's part of the survey.

It is suggested that after the signals have been plotted on the smooth sheets in the usual manner that they should be used in transferring the detail from the photogrammetric surveys. In the area to the south of approximate Latitude $27^{\circ} 52\frac{1}{2}'$ where 1952 photography is available a new radial plot was laid. Differences were found to exist between the old plot and this new one. It is reasonable to supposed since minor differences were found between the photogrammetric surveys compiled in 1938, the revisions made in 1943, 1948, 1949 and the recompilation made in 1952, that similar differences will exist in this area to the north of Latitude $27^{\circ} 52\frac{1}{2}'$. It is suggested that the 1:10,000 planimetric surveys (T-5818 and Revision Survey 449) be used where possible for the shoreline detail in this area and that the photogrammetric surveys be fitted into the signals as plotted.

It will be necessary to make minor corrections to the original surveys due to the revisions made in and/or on these graphic control resurveys and also on Surveys No. T-8361 (1943), T-8379 (1943),

DESCRIPTIVE REPORT

To accompany Sheet T _____ (SO-C-50)

Anclote Keys and Anclote Anchorage, Florida.

Scale 1-20,000 October 1950 to February 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 northern part of Anclote Anchorage, Anclote Keys and the entrance to Anclote River.

The work was accomplished during October 1950 and February 1951.

C. CONTROL:

Adequate third order triangulation stations were recoverable and used for control.

No unusual methods were employed and no traverses were run.

D. LANDMARKS:

No additional Landmarks are recommended.

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. *Forms filed under hydro. surveys*
Positions revised from 1952 RESURVEY

All Nonfloating Aids For Charts have been submitted on form No. 567.

Approved and Forwarded:

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

Submitted by,

Ira R. Rubottom
Ira R. Rubottom
Commander, C&GS

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. SO-C-50 (Resurvey)

REGISTER NO.

State FLORIDA

General Locality WEST COAST OF FLORIDA

Locality ANCLOTE ANCHORAGE

Scale 1:20,000 Date of survey JULY, 1952

Vessel TAMPA FIELD UNIT

Chief of party J. E. WAUGH

Surveyed by WILLIAM A. RASURE

Inked by ROBERT R. WAGNER

Heights in feet above MHW to ground ~~to tops of trees~~

~~Contours: Approximate contours, Form data taken by XXXXX~~

Instructions dated SEE REPORT, 19

Remarks: GRAPHIC CONTROL SURVEY TO VERIFY THE LOCATION OF
HYDROGRAPHIC SIGNALS IN THIS AREA.

GPO 26653

*This survey has been designated for
destruction - applicable information has been
transferred to #7904 (1950-51)
7908
7909*

To: Supervisor, SE District

Page 2
10/3/52

T-7101 (1948), T-7103 (1948), CS-372 (1949) and CS-374 (1949). The high water line has been rodded in at various set-ups on the graphic control resurvey for SO-A-51 to assist in making these adjustments. They should be helpful in the area covered by the 1:5,000 hydrographic survey. Several common points are found on the various surveys and also should assist in making these adjustments.

J. E. Waugh
LCDR, USC&GS
Officer in Charge

JEW:mb

cc: Ch. Div. of Photo.
CO Ship SOSBEE

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Positions revised in 1952 PLANE-TABLE POSITIONS

Sheet T

(50-C-50)

Object and Description	Signal Name	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks
Anclote Keys Daybeacon "7X"	EBB	28° 10'	214	82° 50'	458	12 ft.	Black square & pointer on pile
Anclote River Light "1"	R1V	28 10	691	82 49	882	15 "	Black Box & pointer on pile
Cut - A Front Rg. Light "9"	FR0	28 10	1422	82 48	411	15 "	"
Cut - A Rear Range Light	ABE	28 10	1552	82 48	49	22 "	White Tri. structure on piles
Cut - B Rear Range Light	BEE	28 10	1517	82 48	730	22 "	"
Anclote River Daybeacon "2"	--	28 10	567	82 49	947	12 "	Red Pointer on Pile, Red Refl.
Anclote River Daybeacon "2A"	--	28 10	646	82 49	857	12 "	"
Anclote River Daybeacon "3"	--	28 10	918	82 49	257	12 "	Black Pointer on Pile, Green Ref.
Anclote River Daybeacon "4"	--	28 10	878	82 49	234	12 "	Red Pointer on Pile, Red Ref.
Anclote River Daybeacon "5"	--	28 10	1128	82 48	1331	12 "	Black Pointer on Pile, Green Ref.
Anclote River Daybeacon "6"	--	28 10	1051	82 48	1356	12 "	Red Pointer on Pile, Red Ref.
Anclote River Daybeacon "8"	CUR	28 10	1305	82 48	633	12 "	Red Pointer on Pile, Red Ref.
Anclote Anchorage North Entrance Light "2"	TRY	28 15	52	82 52	1505	15 "	Red Box & Pointer on Pile D&D.
Anclote Anchorage North Entrance Light "4"	YET	28 14	1328	82 49	1576	15 "	"
Bailey Bluff Daybeacon "1"	FEZ	28 13	734	82 48	410	12 "	Black Square Daymark on Pile
North Anclote Light "6"	WAX	28 12	1088	82 49	390	16 "	Red Box & Pointer on Pile D&D.
Anclote N. Channel Daybeacon "3"	YAK	28 11	1021	82 48	1540	12 "	Black Square & Pointer on Pile

Positions revised in 1952

PLANE-TABLE POSITIONS (Cont'd.) Sheet # _____ (30-C-50)

Object and Description	Signal Name	Latitude	D.M. Meters	Longitude	D.P. Meters	Height	Remarks
Bird Rack 20x20 ft. on piling	HGG	23° 13'	647	82° 48'	172	12 ft.	Flag cen. of E. side.
Bird Rack 20x20 ft. on piling	GAL	28 15	1350	82 47	1216	12 "	Center of Platform
Bird Rack 20x20 ft. on piling	SAD	28 13	573	82 50	1374	12 "	Center of Platform
Piling of Old Bird Rack	TOY	28 12	559	82 51	845	4 "	Highest Piling
Piling of Old Bird Rack	OFF	28 10	79	82 51	687	12 "	Highest Piling
S.W. Gable Offshore Shack	BAG	28 11	882	82 47	623	15 "	
COP, 1950 Marked Topo Station	COP	28 10	1305	82 50	1558	1 "	Topo Disc in 4-inch Tile at Base of Palm 1350 m. N. of Lt. Ho.
EVA, 1950 Marked Topo Station	EVA	28 11	352	82 51	38	1 "	Topo Disc in 4-inch Tile at Base of S'ly Australian Pine.
NOR, 1950 Marked Topo Station	NOR	28 11	1838	82 51	219	1 "	-ditto- At Base of N'ly Pine
S'ly of two Australian Pines Near Center of Ancloote Key	DIF	28 11	113	82 51	11	35 "	West side of Key
Banner on Tree	BAL	28 10	193	82 50	1353	10 "	Temporary Signal
Banner on Palm Stump on Point	ALM	28 10	388	82 50	1420	10 "	Temporary Signal
Cloth on Point of Mangrove	SAX	28 10	825	82 50	1107	6 "	Temporary Signal
Cloth on Point of Mangrove	VAN	28 10	1660	82 50	1363	6 "	Temporary Signal
Flag on Pole N. End of Key	PAR	28 12	244	82 50	1587	15 "	Temporary Signal
Cloth on Mangrove, Deadman Key	RAG	28 11	1740	82 50	1118	6 "	Temporary Signal
Flag on Pt. N. Ancloote River	ZAG	28 11	377	82 47	1494	15 "	Temporary Signal
Cloth on Dead Tree in Bight	COD	28 11	1787	82 47	158	10 "	Temporary Signal
Sign on Palm Near N. End of Key	PAD	28 11	1053	82 51	110	8 "	Temporary Signal

Stations located by this party: (Continued)

ANCLOTE RIVER CUT B RANGE REAR LIGHT

NORTH ANCLOTE LIGHT 6

ANCLOTE ANCHORAGE NORTH ENTRANCE LIGHT 4

SAD (CENTER OF BIRDTRACK)

DRIB (CENTER OF BIRDTRACK)

NORTH AXIS TA 36 (USE-1940).

Position differs 4.1 meters from USE

Attention is invited to the discrepancies found to exist between the location of the following stations. They were originally located by planetable in 1950, then by three point fixes, the position being computed. On these original observations a theodolite was used at EGG, a navigation sextant at the others. These objects were located by this party with cuts taken with a theodolite.

NAME	LATITUDE LONGITUDE	SOSHEE METERS	TAMPA METERS
EGG	28° 13' 82 48	646.1(1) 178.2	651 (2) 180
DRIB - 1952	28 13 82 48		647.1(1) 182.4
ANCLOTE ANCHORAGE NORTH ENTRANCE LIGHT 2	28 15 82 52	49.4(3) 1494.0	49.9(1) 1494.7
ANCLOTE ANCHORAGE NORTH ENTRANCE LIGHT 4	28 14 82 49	1324.5(3) 1583.6	1325.5(1) 1582.2
NORTH ANCLOTE LIGHT 6	28 12 82 49	1090.8(3) 382.3	1090.6(1) 383.4

Method of Location:

- (1) Theodolite
- (2) Planetable from DRIB - 1952
- (3) Navigation Sextant

A line check between Baileys Bluff - Light 4 differed by 0.2 meter. This is the only common line to the two methods of location.

D. LANDMARKS:

No change.

E. REVISIONS:

The original Survey SO-C-50 was returned to this party for analysis and additional work if found necessary. Your attention is invited to the following:

1. A new projection was made as the original projection was apparently in error. (See pencil note on original survey)
2. All signals shown on the original survey were relocated with the exception of ERG and GAL. Signal ERG was not recovered. Signal GAL fell off the limits of the sheet to the north and since it was located by a three-point fix on the original survey, it was not relocated.

Signal PAR (banner on mangrove) was not positively recovered. A banner was placed on the most prominent mangrove tree on the point and graphically located.

Signals ALM, BAL and TREE were located on the sheet to the south, (SO-B-50) and checked on this resurvey.

F. NEW NAMES:

No new names are recommended.

G. LIST OF PLANETABLE POSITIONS:

A composite list of all positions determined on this resurvey is attached. In addition, revised cards (Form 524) for all recoverable topographic stations and Forms 567 for Non-floating Aids and obstructions are submitted. This composite list of signals shows the several positions of common points on the numerous surveys of this area; unless otherwise noted, the 1952 locations should be used.

William A. Rasure
William A. Rasure, Photogrammetrist

APPROVED AND FORWARDED:

See attached approval sheet.

J. E. Waugh, Chief of Party.

SO-C-50

NAME	LATITUDE		T-5818	T-7101	1950	1952	
	LONGITUDE						
ANCLOTE RIVER	28	10	1124	1129	1128	1129	
DAYBEACON 5	82	48	1334	1335	1331	1329	
ANCLOTE RIVER	28	10	1058	1048	1051	1049	
DAYBEACON 6	82	48	1348	1363	1356	1358	
YAK							
ANCLOTE NORTH	28	11	1034	1036	1021	1014	
CHANNEL DAYBEACON 3	82	48	1536	1540	1540	1541	
ZAG	28	11			377	369	
	82	47			1494	1498	
BAG	28	10			882	890	
	82	47			623	639	
COD	28	10			1787	1782	
	82	47			158	173	
EGG	28	13			647	651	
	82	48			172	180	
HOD	28	13	369(Survey		376	363	(3-point fix
	82	45	1438 T-5802)		1439	1449	theodolite)
						366 (SO-B-51)	
						1449	
ANCLOTE RIVER	28	10			1305	1308	
DAYBEACON 8	82	48			633	638	
FEZ	28	13			734	731	
	82	48			410	411	
SAX	28	10			825	821	
	82	50			1107	1100	
ANCLOTE ANCHORAGE							
NORTH ENTRANCE	28	14		1306	1328	1325.5*	*Triangu-
LIGHT 4	82	49		1568	1576	1582.2	lation
SAD	28	13			573	569.8*	(*Triangu-
(BIRDTRACK)	82	50			1374	1372.6	lation) topo. stat.

NAME	LATITUDE LONGITUDE		T-5818	T-7101	1950	1952	
TRY ANCLOTE ANCHORAGE							
NORTH ENTRANCE	28	15		38	52	49.9*	*Three-point fix
LIGHT 2	82	52		1478	1505	1494.7	
TOY	28	12			559	572	
	82	51			845	843	
PAR	28	12			244	258	
	82	50			1587	1589	
NOR	28	11			1838	1836	
1950 MARKED	82	51			219	200	
RAG	28	11			1740	1749	
	82	50			1118	1139	
PAD	28	11			1053	1041	
	82	51			110	91	
EVA	28	11			352	347	
1950 MARKED	82	51			38	21	
DIF	28	11			113	107	
	82	50			51'11m.	1631	
VAN	28	10			1660	1653	
	82	50			1363	1362	
COP	28	10			1305	1313	
1950 MARKED	82	50			1558	1547	
ANCLOTE RIVER	28	10	875	875	878	871	
DAYBEACON 4	82	49	258	245	234	237	
ANCLOTE RIVER	28	10	919	918	918	918	
DAYBEACON 3	82	49	277	275	257	255	

SO-C-50

NAME	LATITUDE LONGITUDE		T-5818	T-7101	1950	1952	
NORTH ANCLOTE LIGHT 6	28 82	12 49		1078 395	1088 390	1090.6* 383.4	*Triangu- lation.
NORTH AXIS TA36 (USE 1940)	28 82	11 50			592 892	588.0* 892.2	*Triangu- lation.
ANCLOTE RIVER LIGHT 1	28 82	10 49		700 895	691 882	692.0* 892.6	*Triangu- lation
ANCLOTE RIVER CUT B RANGE REAR LIGHT	28 82	10 48		1519 722	1517 730	1516.1* 731.6	*Triangu- lation
ANCLOTE RIVER CUT A RANGE REAR LIGHT	28 82	10 48		1543 40	1552 49	1547.2* 43.2	*Triangu- lation
ANCLOTE RIVER CUT A & B RANGE FRONT LIGHT 9	28 82	10 48		1418 408	1422 411	1417.9* 412.7	*Triangu- lation
VICTOR CHEMICAL WORK TANK (ELEVATED)	28 82	10 46		82 858	81 860	79.5* 864.0	*Triangu- lation

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

711-aal

26 August 1952

To: Lt. Comdr. Joseph E. Waugh
U. S. Coast and Geodetic Survey
P. O. Box 1689
Tampa, Florida

Subject: Photogrammetric manuscripts, Project Ph-91,
R. S. Nos. 449 to 455, inclusive

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/s/ Robert W. Knox
Acting Director

cc: CO, Ship SOSBEE

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Tampa Photogrammetric Office
Box 1689 Tampa Florida

3 October 1952

To: Supervisor, Southeastern District
U. S. Coast and Geodetic Survey
418 Post Office Building
Norfolk 10, Virginia

Subject: Records for Project CS-336 (Ph-91)

Reference: Letter from the Director dated 8/26/52;
ref. 711-aal

The first of the graphic control resurveys are being forwarded to you under separate cover. The other resurveys will be forwarded as they are processed.

Although the Director did not call for recommendations in the area covered by the graphic control resurveys, the following comments are offered as a help in preparing the smooth sheets for the area north of approximate Latitude $27^{\circ} 52\frac{1}{2}'$. All signals that could be recovered in this area were either verified or relocated on planetable sheets using standard graphic control methods. Please refer to each individual resurvey for detailed discussion. An addendum has been added to each report covering the Tampa Field Unit's part of the survey.

It is suggested that after the signals have been plotted on the smooth sheets in the usual manner that they should be used in transferring the detail from the photogrammetric surveys. In the area to the south of approximate Latitude $27^{\circ} 52\frac{1}{2}'$ where 1952 photography is available a new radial plot was laid. Differences were found to exist between the old plot and this new one. It is reasonable to suppose since minor differences were found between the photogrammetric surveys compiled in 1938, the revisions made in 1943, 1948, 1949 and the recompilation made in 1952, that similar differences will exist in this area to the north of Latitude $27^{\circ} 52\frac{1}{2}'$. It is suggested that the 1:10,000 planimetric surveys (T-5818 and Revision Survey 449) be used where possible for the shoreline detail in this area and that the photogrammetric surveys be fitted into the signals as plotted.

RS 449 covers area lat $27^{\circ} 54'$ to lat $27^{\circ} 50'$
and is a revised base of T-5824

this does not cover H-7908

To: Superviros, SE District

Page 2
10/3/52

It will be necessary to make minor corrections to the original surveys due to the revisions made in and/or on these graphic control resurveys and also on Sueveys No. T-8361 (1943), T-8379 (1943), T-7101 (1948), T-7103 (1948), CS-372 (1949) and CS-374 (1949). The high water line has been rodded in at various set-ups on the graphic control resurvey for SO-A-51 to assist in making these adjustments. They should be helpful in the area covered by the 1:5,000 hydrographic survey. Several common points are found on the various surveys and also should assist in making these adjustments.

J. E. Waugh
LCDR, USC&GS
Officer in Charge

JEW:mb

cc: Ch. Div. of Photo.
CO Ship SOSBEE

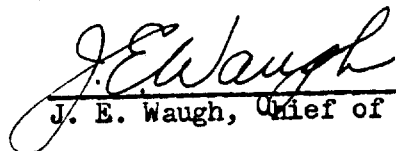
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APPROVAL SHEET FOR RESURVEY SO-C-50

Graphic Control Survey SO-C-50 is approved as submitted and no additional work is recommended.

You are respectfully referred to attached copies of correspondence and Paragraphs E, F and G of applicable Hydrographic Surveys.



J. E. Waugh, Chief of Party

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

13 November 1953

~~DIVISION OF HYDROGRAPHY AND TOPOGRAPHY~~

Division of Charts: R. H. Carstens

Plane of reference approved in
16 volumes of sounding records for

HYDROGRAPHIC SHEET

7904

Locality West Coast of Florida

Chief of Party: J. D. Thurmond in 1950-51
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.

GEOGRAPHIC NAMES

Survey No. H-7904

Name on Survey											
	A	B	C	D	E	F	G	H	K		
<u>Florida</u>										BGN.	1
<u>Anclote Keys</u>		(for title)								"	2
<u>Anclote Anchorage</u>											3
<u>St. Josephs Sound</u>											4
<u>North Point</u>		(of <u>Honeymoon I.</u>)								BGN.	5
<u>Round Point</u>										"	6
<u>Piney Point</u>											7
<u>Anclote River</u>											8
<u>Rabbit Key</u>										BGN.	9
											10
											11
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											27

Names underlined
in red are approved
11-12-53. LHeck

See chart 1257 for
placement of names.

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H-7904

Records accompanying survey:

Boat sheets ..1..; sounding vols. ..16..; wire drag vols.;
 bomb vols.; graphic recorder rolls 13 Env;
 special reports, etc. 1 Smooth Sheet; 1 Descriptive Report;

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

Number of positions on sheet	.....	3571
Number of positions checked	.....	54
Number of positions revised	.....	5
Number of soundings revised (refers to depth only)	.....	117
Number of soundings erroneously spaced	.....	7
Number of signals erroneously plotted or transferred	.....	0
Topographic details	Time	24
Junctions	Time	20
Verification of soundings from graphic record	Time	8

Verification by *J.C. Kunkert*..... Total time 1.6 P... Date 4/20/55

Reviewed by..... *A.R. STIRNI*..... Time 24 hrs Date 5/6/55

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. H-7904

FIELD NO. SO-1250

Florida, Florida West Coast, Anclote Keys to Danenman Pt.

Project No. CS-336

Surveyed - Oct. 1950 - April 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, J. R. Rubottom
Protracted by - R. D. Lynn
Soundings plotted by - A. G. Atwill
Verified and inked by - J. E. Gearhart
Reviewed by - A. R. Stirni 6 May 1955
Inspected by - R. H. Carstens

1. Shoreline and Control

The shoreline originates principally with T-5818 and T-5819 of 1941 at the scale of 1:10,000. No material difference with the shoreline on subsequent air-photographic surveys T-8361 (1943) and T-8378 (1943) were noted. A pier at lat. $28^{\circ}10.35'$, long. $82^{\circ}47.68'$ was added from revision survey CS-372 (1949). Shoreline applied in brown is from BP-50747, which was compiled in the Washington Office in 1952 from single lens photographs taken in 1948. The low-water areas outlined in dashed orange at lat. $28^{\circ}10.40'$, long. $82^{\circ}49.00'$ were transferred from the boat sheet of the present survey.

The source of the control is given in the Descriptive Report. Graphic control surveys, SO-B-50 (Rev. 52) and SO-C-50 (Rev. 52) have been marked for destruction. All pertinent information thereon has been transferred to the present survey.

2. Sounding Line Crossings

Depths at sounding line crossings are in good agreement.

3. Depth Curves and Bottom Configuration

The bottom is mostly flat and shoal except in the vicinity of the channels where it is marked by numerous pot holes, sand bars and small ridges. The usual depth curves are adequately delineated with the addition of the 3-ft. curve to accentuate the numerous irregularities.

4. Junctions with Contemporary Surveys

Adequate junctions are effected with surveys H-7908 (1951) and H-7909 (1951) on the north, H-7905 (1950) on the west, H-7876 (1949-50) on the south, and H-7906 (1951) on the north-east at the Anclote River entrance.

5. Comparison with Prior Surveys

H-1594 (1884), 1:10,000
 H-4574 (1926), 1:10,000
 H-4582 (1926), 1:20,000

A comparison between the present and prior surveys reveals no significant changes on the shoal flats which comprise the greater part of the area surveyed; however, there are scattered differences in depth of from 1 to 2 ft. The natural channel around the south end of Anclote Key maintains a continuity of depths of 8-15 ft. on the present survey whereas on survey H-4582 it shoaled to depths of 3-4 ft. at lat. $28^{\circ}10.00'$, long. $82^{\circ}51.45'$. The channel leading to the Anclote River from Light "1" at lat. $28^{\circ}10.37'$, long. $82^{\circ}49.56'$ is subject to periodic dredging. The present controlling depth is 8 ft. as compared with the controlling depth of 6 ft. on survey H-4574.

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 prior to verification and review. A few minor differences in depth of $1/2$ to 1 ft. are noted between the chart and the present survey. Islets charted in lat. $28^{\circ}10.3'$, long. $82^{\circ}49.4'$ from the present survey are below MHW and should be charted as sand areas uncovering at MLW.

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.

C. Dredged Channels

The charted controlling depths in the dredged channels of the area surveyed originate with the present survey information.

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

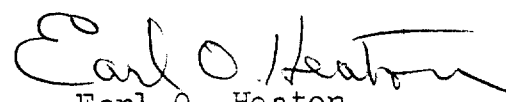
This is a good basic survey and no additional field work is recommended. ✓

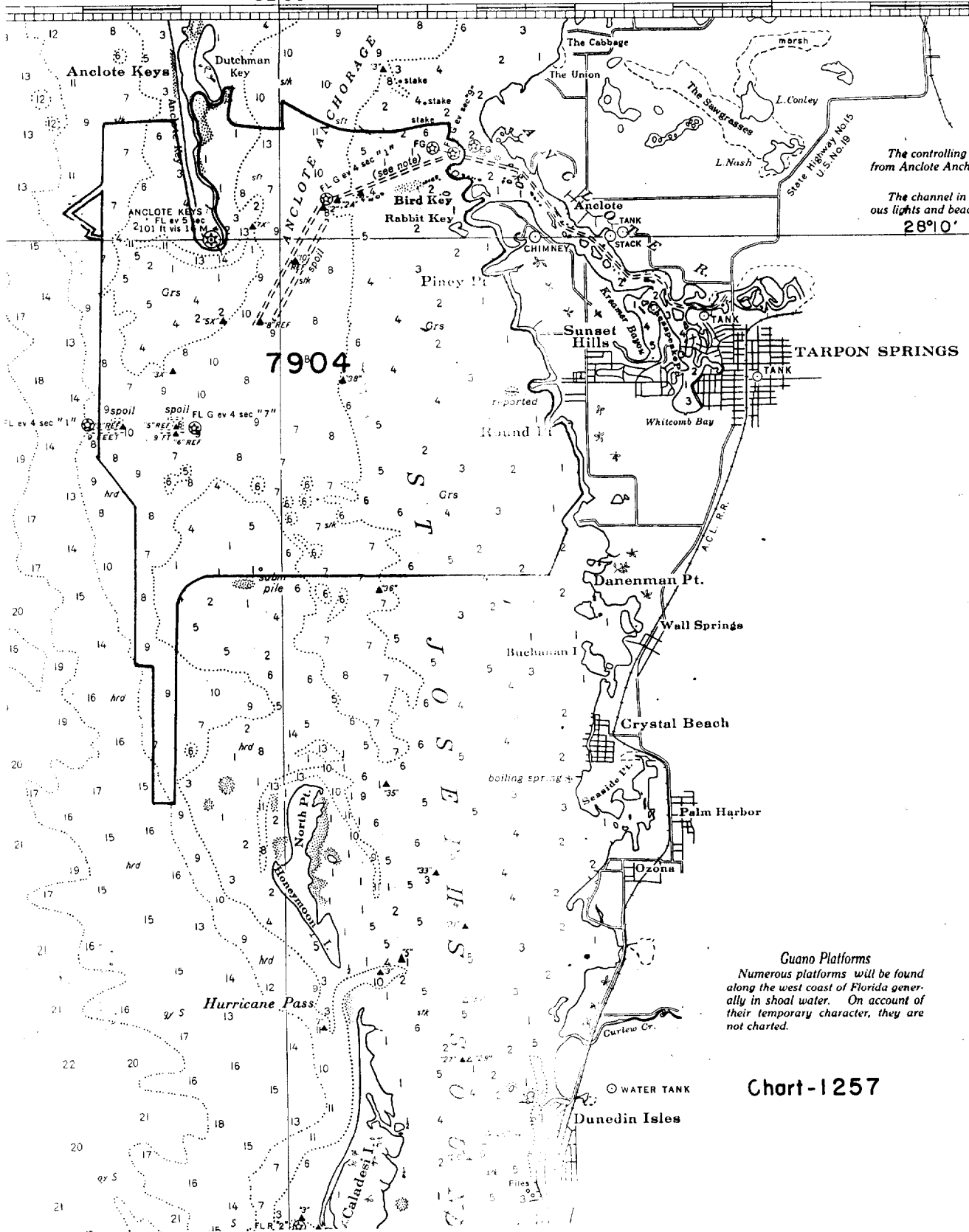
Examined and Approved:


H. R. Edmonston.
Chief, Nautical Chart Branch


E. R. McCarthy
Chief, Division of Charts


J. C. Bull
Chief, Hydrography Branch


Earl O. Heaton
Chief, Division of Coastal Surveys



The controlling lights and buoys are as shown on this chart.

The channel in the Anclote Anchorage is 28°10'

Guano Platforms
 Numerous platforms will be found along the west coast of Florida generally in shoal water. On account of their temporary character, they are not charted.

Chart-1257

