

7906

Diag. Cht. Nos. 1257-2 & 1258

CS-336

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. SO-05151 Office No. H-7906

LOCALITY

State FLORIDA

General locality FLORIDA WEST COAST

Locality ANCLOTE RIVER

194 51

CHIEF OF PARTY

J. D. Thurmond

LIBRARY & ARCHIVES

DATE SEPTEMBER 18, 1953

7906

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-7906

Field No. SO-05151

State Florida

General locality Florida West Coast

Locality Anclote River

Scale 1:5,000 Date of survey 19 April to 24 May 1951

Instructions dated 2 March 1949

Vessel Ship SOSBEE - Skiff No. 735

Chief of party J. D. Thurmond

Surveyed by J. D. Thurmond

Soundings taken by fathometer, graphic recorder, ~~hand lead, and~~ & Pole

Fathograms scaled by D. C. R.

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

Protracted by Alpha G. Atwill

Soundings penciled by Alpha G. Atwill

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

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

This cahier contains Descriptive reports from Ship SOSBEE and from the TAMPA PHOTOGRAMMETRIC OFFICE.

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DESCRIPTIVE REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY NO. H-7906 (SO-05151)

Anclote River Tarpon Springs, Fla.

Scale 1:5,000 19 April to 24 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:

The survey covers the Anclote River from its mouth, longitude 82° 48'.3, eastward to a junction with sheet SO-05251 in longitude 82° 46'.1, about $\frac{1}{2}$ mile N.W. of Tarpon Springs, Fla.

Junction was made at the mouth of the river with sheets Nos. SO-1250 and SO-1151.

H-7904 *H-7908*

Field work began on 19 April and ended 24 May 1951.

C. VESSES AND EQUIPMENT:

The hydrography was accomplished with 25-foot skiff No. 735. The skiff was powered with two Johnson 10 horsepower outboard motors and operated from the Ship SOSBEE basing at Tarpon Springs, Florida. Only one motor was used at a time.

The soundings were recorded with portable depth recorder, Model 808G, No. 140-SP. Depths too shoal to record accurately (usually under 3 feet), were obtained with a sounding pole.

D. TIDE AND CURRENT STATIONS:

Tidal data obtained from portable tide gage No. H-301, established in the Anclote River about $\frac{1}{2}$ mile N.W. of Tarpon Springs, Florida, were used to reduce all soundings.

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

E. SMOOTH SHEET:

Compilation of smooth sheet ^{was} ~~will be~~ accomplished by the Norfolk, Virginia, Processing Office.

F. CONTROL:

Triangulation stations are on the North American 1927 datum and are as follows:

TAR (TARPON, 1934) Geographic position from page 195, Dunnellon to Naples, Florida.

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>
T-5818	1943	Air Photographic
SO-C-50	1950	Graphic Control
SO-A-51 (Resurvey)	1951 2	" "

(Resurvey 1952)*
The majority of Control stations were located by graphic Control on Sheet SO-A-51. In some of the relatively unimportant areas of the river the graphic Control stations were supplemented by natural objects scaled from topographic sheet T-5818. (1941)

* indicated to be destroyed

A list, containing the geographic positions and a brief description of these objects, is attached to this report. Filed with photographs H-7907 (1951)

G. SHORELINE AND TOPOGRAPHY:

The shoreline was transferred from sheet T-5818. Some minor discrepancies were noted during the course of the survey, but it is believed these were due to inaccurate transfer from the 1:10,000 scale sheet to the 1:5,000 scale Boat Sheet.

See P1 of Review

H. SOUNDINGS:

Soundings were obtained by 808 portable depth recorder mounted in the 25-foot skiff with transceivers placed inside and on the bottom of the skiff.

The depth recorder was adjusted to read correct depth by adequate bar checks and adjustment of the initial setting.

In depths too shoal to record accurately (usually under 3 feet), the soundings were obtained with a sounding pole.

I. CONTROL OF HYDROGRAPHY:

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

I. CONTROL OF HYDROGRAPHY CONT.:

No unusual or substandard methods were used, except in the shallow bayou on the north side of the river at its mouth, where the positions were spotted on the boat sheet from topographic features.

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 crossings do not differ by more than 1 foot.

L. COMPARISON WITH PRIOR SURVEYS:

Comparison with H-4574, scale 1:10,000:

Comparison with this survey is impractical since extensive dredging operations have been made since the prior survey.

see P5
of Re-
view

M. COMPARISON WITH CHART:

Comparison with Chart 1257 is rather difficult since the scale is small and relatively few soundings are charted.

see P6
of Review

N. DANGERS AND SHOALS:

The dredged Channel up the river is clear and its limits are well buoyed.

The area outside this Channel has a profusion of small islets, oyster bars and shoals in general, and local knowledge is advisable before attempting to navigate any of these areas.

The depth of the dredged channel at mean low water is 9 feet or more throughout its length. However, Caution should be exercised in the following places:

1. Vicinity of front range light "9", latitude $28^{\circ} 10' .75$, longitude $82^{\circ} 48' .25$. The light should be given a close berth since shoaling exists on the south side of the channel between beacons No. 8 and No. 10.
2. Vicinity of light No. 29, latitude $28^{\circ} 09' .95$, longitude $82^{\circ} 46' .80$. In order to carry 9 feet this light must be given a close berth since there is only 8 feet near mid-channel and to the southward.

N. DANGERS AND SHOALS CONT:

3. East of light No. 36 in latitude $28^{\circ} 09'.63$, longitude $82^{\circ} 46'.38$. The north side of the Channel should be favored since 8 feet exists on the south side of the channel.
4. Between lights Nos. 39 and 43 in latitude $28^{\circ} 09'.65$, longitude $82^{\circ} 46'.19$. In this locality the southern side of the Channel must be favored since 3 to 4 feet exists on the line between the two lights in what at first glance would appear to be a wide expanse of deep water.

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.

Attached to this report:

1. Statistics
2. Tidal Note
3. List of Signals

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-301, was established in the Anclote River about $\frac{1}{2}$ mile N. W. of Tarpon Springs, in Latitude $28^{\circ} 09'.55$ N., Longitude $82^{\circ} 46'.05$ W.

Data obtained from the 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 9 February 1951, ref. No. 36-rcb.

VELOCITY CORRECTIONS

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

STATISTICS

For Hydrographic Survey H _____ (SO-05151)

Project CS-336

Scale 1:5,000

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

Day Letter	Vol. No.	Date	Number of Positions	Mile Soundings		Pole Sdgs.
				Nautical	Statutes	
a	1	19 Apr. 1951	89	7.5	8.6	
b	1	20 " "	91	9.25	10.5	46
c	1	23 " "	80	7.1	8.1	211
d	2	24 " "	136	10.2	11.8	208
e	2	25 " "	105	7.0	8.0	87
f	2	26 " "	70	6.0	6.9	70
g	3	17 May "	109	8.5	9.7	196
h	3	24 " "	107	8.2	9.3	48
Totals	3	19 Apr. 1951 to 24 May 1951	787	63.8	72.9	866

Area = 1.2 Square Statute miles

TOPOGRAPHIC SIGNALS

For Hydrographic Sheet H _____ (SO-05151)

Scaled from Topographic Sheet W-5818

Object & Description	Signal Name	Latitude	D.M. Meters	Longitude	D.P. Meters	Remarks
N. gable SE'ly house on House Id. at Mouth of Anclote River	ANT	28° 10'	745	82° 47'	1400	Small fish house
S.E. gable N'ly. house on House Id. at Mouth of Anclote River	GAB	28 10	880	82 47	1510	" "
S. gable fish house on end of pier at western edge of Anclote	CAT	28 10	602	82 47	244	* "
Chimney on N. face of red brick house S. side Anclote River	NED	28 09	1717	82 47	191	* Large residence
End of small pier in N.W. corner of Meyers Cove	HID	28 10	129	82 46	1357	* Lone pier

* Located on ~~ex~~ SO-A-51 (Resurvey 1952)

LIST OF SIGNALS
H-7906

TRIANGULATION STATIONS

ABE	ANCLOTE RIVER, CUT A RANGE, REAR LIGHT, 1952
FRO	" " , CUT A&B RANGE, FRONT LIGHT 9, 1952
BEE	" " , CUT B RANGE, REAR LIGHT, 1952
DOG	" " , CUT C RANGE, REAR LIGHT, 1952
IRK	" " , CUT E RANGE, REAR LIGHT, 1952
MUG	" " , LIGHT 17, 1952
EDD	EDD 90(U.S.E. 1935), 1952
KEY	PALMETTO KEY, 1910-52
TAR	TARPON, 1934-52
TAC	VICTOR CHEMICAL WORKS, STACK, 1952
TAN	" " " , TANK (ELEVATED), 1952

DESCRIBED TOPOGRAPHIC STATIONS

SOURCE SO-A-51 (Re-vised 1952) *destroyed*

Dal	Ivy	Job	Mil	Ney	Oat	Tax
-----	-----	-----	-----	-----	-----	-----

TOPOGRAPHIC STATIONS

SOURCE SO-A-51 (Not recovered 1952)

Box	Cry	Day	Dif	Joe
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TOPOGRAPHIC STATIONS

SOURCE SO-A-51 (Re-vised 1952) *destroyed*

Amy	Art	Cab	Cam	Cat	Dud	Ebb	Egg	Elf	Era	Far
Fly	Gas	Gin	Her	Hid	How	Hum	Ice	Jar	Joy	Ken
Kid	Lam	Let	Lop	Mid	Nat	Ned	Nod	Oak	Old	Pad
Peg	Rat	Rig	Ris	Sal	Ski	Tid	Toy	Vet	Vim	Wag
Why	Yak	Zig								

PHOTOGRAMMETRIC STATIONS

SOURCE AIR-PHOTO COMPILATION T-5818

Ant	Gab
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ADDENDUM
To Accompany

HYDROGRAPHIC SURVEY H-7906 (Field No. So-05151)

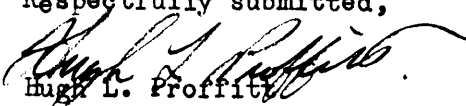
CONTROL

Hydrographic lines and fixes indicate Anclote River Daybeacon 10, (signal Day) was moved before topographic re-survey of 1952. The original position was used to plot the hydrography and the revised position is shown on the smooth sheet as a daybeacon.

GENERAL

This appears to be an excellent basic survey and no particular difficulties were experienced during the smooth plot.

Respectfully submitted,


Hugh L. Proffitt
Cartographer.

Norfolk, Va.
15 Sept. 1953

Approved & Forwarded:


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

REPORT

TO ACCOMPANY

HYDROGRAPHIC SURVEY H-7906 (Field No. SO-05151)

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 (see Item G) was applied to the projection by Mr. R. R. Wagner and verified by Mr. W. A. Rasure. The type of shoreline was indicated by F for MHW, ap for apparent shoreline and bkhd for bulkheads. *Shoreline redrawn in Wash from Bps 50746-47 (1952)*

*See P1
of Review*

All control stations were plotted by dms and dps. 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 RIVER CUT A RANGE REAR LIGHT (ABE)	1952	JEW
ANCLOTE RIVER CUT A & B RANGE FRONT LIGHT 9 (FRO)	1952	JEW
ANCLOTE RIVER CUT B RANGE REAR LIGHT (BEE)	1952	JEW
ANCLOTE RIVER CUT C RANGE REAR LIGHT (DOG)	1952	JEW

<u>Triangulation Stations</u>	<u>Date</u>	<u>Chief of Party</u>
ANCLOTE RIVER CUT E RANGE		
REAR LIGHT (IRK)	1952	JEW
ANCLOTE RIVER LIGHT 17 (MUG)	1952	JEW
EDD 90 (USE-1935)	1952	JEW
PALMETTO KEY (KEY)	1910	GHR
TARPON (TAR)	1934	GLA
VICTOR CHEMICAL WORK STACK (TAC)	1952	JEW
VICTOR CHEMICAL WORKS TANK (TAN)	1952	JEW

<u>Topographic Stations</u>	<u>Date</u>	<u>Method of Location</u>
<u>Field No.</u>		
*BOX Survey SO-A-51 <i>destroyed</i>	1951	Planetable
DAL Resurvey SO-A-51	1952	"
IVY " "	"	"
JOB " "	"	"
MIL " "	"	"
NEY " "	"	"
OAT " "	"	"
TAX " "	"	Theodolite

<u>Hydrographic Stations</u>	<u>Date</u>	<u>Method of Location</u>
<u>Field No.</u>		
AMY Resurvey SO-A-51	1952	Planetable
**ANT Scaled from T-5818	1941	Radial Plot
ART Resurvey SO-A-51	1952	Planetable
CAB " "	"	"
CAM " "	"	"
CAT " "	"	"
*CRY Survey SO-A-51	1951	"
DAY Resurvey SO-A-51	1952	"
*DIF Survey SO-A-51	1951	"
DUD Resurvey SO-A-51	1952	"
EBB " "	"	"
EGG " "	"	"
ELF " "	"	"
ERA " "	"	"
FAR " "	"	"
FLY " "	"	"

Hydrographic StationsDateMethod of LocationField No.

	<u>Field No.</u>	<u>Date</u>	<u>Method of Location</u>
**GAB	Scaled from T-5818	1941	Radial Plot
GAS	Resurvey SO-A-51	1952	Planetable
GIN-118	" "	"	"
HER-12	" "	"	"
HID	" "	"	"
HOW	" "	"	"
HUM 25?	" "	"	"
ICE 13	" "	"	"
JAR	" "	"	"
*JOE	Survey SO-A-51	1951	"
JOY 38	Resurvey SO-A-51	1952	"
KEM 39?	" "	"	"
KID	" "	"	"
LAM B-40	" "	"	"
LET	" "	"	"
LOP	" "	"	"
MID	" "	"	"
NAT	" "	"	"
NED	" "	"	"
NOD 18	" "	"	"
OAK 19	" "	"	"
OLD	" "	"	"
PAD	" "	"	"
PEG 28	" "	"	"
RAT 21	" "	"	"
RIG	" "	"	"
RIS 37	" "	"	"
SAL	" "	"	"
SKI 22	" "	"	"
TID	" "	"	"
TOY 23	" "	"	"
VET	" "	"	"
VIM	" "	"	"
WAG 26	" "	"	"
WHY	" "	"	"
YAK 25	" "	"	"
ZIG 27	" "	"	"

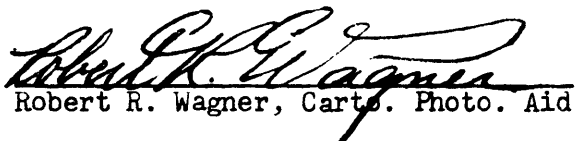
*Stations had been destroyed prior to time of resurvey. They were plotted on smooth sheet from position on SO-A-51 and are shown in red pencil. They should be used with caution.

**Stations were not relocated on the resurvey. They were plotted on smooth sheet from position on T-5818 (1941) and are shown in green pencil. They should be used with caution.

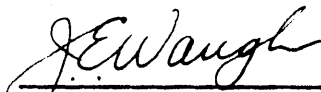
G. SHORELINE AND TOPOGRAPHY.

Shoreline was taken from Planimetric Map T-5818, dated August 1941, scale 1:10,000; and U. S. Engineers' photographs dated 15 February 1948, scale 1:10,000; and Resurvey SO-A-51. The photographs were controlled by holding to common points on a 1:5,000 enlargement of the planimetric and resurvey plane-table sheet. The enlargement was made with the use of a ratio reflecting projector.

See TP-1
of Review
and TPE of
this report.


Robert R. Wagner, Carto. Photo. Aid

APPROVED AND FORWARDED:


J. E. Waugh, Chief of Party

RHC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Coast and Geodetic Survey~~

2 October 1953

Division of Charts: R. H. Carstens

Plane of reference approved in
3 volumes of sounding records for

HYDROGRAPHIC SHEET 7906

Locality Anclote River, Florida

Chief of Party: J. D. Thurman in 1951
Plane of reference is mean low water, reading
2.5 ft. on tide staff at Tarpon Springs
10.6 ft. below B. M. 1 (1926)

Height of mean high water above plane of reference is
1.9 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-7906

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
<u>Florida</u>										BGN	1
<u>Anclote River</u>											2
<u>Brady Island</u>										BGN	3
<u>Meyers Cove</u>											4
<u>Kreamer Bayou</u>										BGN	5
											6
											7
											8
											9
											10
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											26
											27

Names underlined
in red are approved
10-27-53
L. Heck

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. H-7906

Records accompanying survey:

Boat sheets ¹...; sounding vols. ³...; wire drag vols.;
 bomb vols.; graphic recorder rolls ⁴ 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	..787
Number of positions checked	...45
Number of positions revised	...✓
Number of soundings revised (refers to depth only)	...✓
Number of soundings erroneously spaced	...✓
Number of signals erroneously plotted or transferred	...✓
Topographic details	Time ..6.4 hr.
Junctions	Time ...3 hr.
Verification of soundings from graphic record	Time ...15

Verification by *John J. Ballakus*..... Total time 2.09 hr. Date 2 March 54

Reviewed by *Dr. Jeskeid*..... Time 22 Date 5 March, 1954

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

REGISTRY NO. H-7906

FIELD NO. SO-05151

Florida, Florida West Coast, Anclote River

Project CS-336

Surveyed - April - May 1951

Scale 1:5,000

Soundings:

Control:

808 Fathometer
Sounding Pole

Sextant fixes on
shore signals

Chief of Party - J. D. Thurmond
Surveyed by - J. D. Thurmond
Protracted by - A. G. Atwill
Soundings plotted by - A. G. Atwill
Verified and inked by - J. T. Gallahan
Reviewed by - I. M. Zeskind 3/5/54
Inspected by - R. H. Carstens

1. Shoreline and Control

The shoreline shown in brown on the present survey originates with Bps. 50746 and 50747 which were compiled in the Washington Office in 1952 from single lens photographs taken in 1948 on scales of 1:10,000 and 1:20,000. Several piers originating with notes in the sounding volumes, and a wreck originating with the 1952 resurvey of graphic control survey SO-A-51, are shown in red on the smooth sheet.

The source of the control is adequately described in the Descriptive Report.

2. Sounding Line Crossings

Depths at crossings are in good agreement.

3. Depth Curves and Bottom Configuration

The usual depth curves were adequately delineated.

Flats, islets, oyster bars and spoil areas lie adjacent to the dredged channel in the Anclote River.

4. Junctions with Contemporary Surveys

An adequate junction was effected with H-7907 (1951) on the east. The junction with H-7908 (1951) and H-7904 (1951) on the west will be considered in the reviews of those surveys.

5. Comparison with Prior Surveys

- a. H-1593a (1884), 1:40,000
H-1594 (1884), 1:10,000

These surveys cover the area of the present survey. A comparison between the prior and present surveys reveals considerable changes in bottom configuration which are attributed principally to dredging operations and the reclaiming of land. An example of these changes occurs in lat. $28^{\circ}10.0'$, long. $82^{\circ}47.10'$, where an island has been created in an area through which a channel formerly passed. The channel has been dredged 150 meters northward. A comparison also reveals that in several places the channel has been straightened and sharp bends have been eliminated.

The present survey is adequate to supersede the prior surveys within the common area.

- b. H-4574 (1926), 1:10,000
H-4582 (1926), 1:20,000

These prior surveys cover the area of the present survey. A comparison between the prior and present surveys reveals some changes in bottom configuration. These changes are attributed principally to dredging operations. Land has been reclaimed in some places and dredged away in other places, as for example in lat. $28^{\circ}10.2'$, long. $82^{\circ}47.25'$, an island is now found where a channel was formerly located, and in lat. $28^{\circ}09.4'$, long. $82^{\circ}46.05'$, where an island has been eliminated in the process of dredging a channel. In general, however, the axes of the channels in the river on the prior and present surveys are in close agreement.

The present survey is adequate to supersede the prior surveys within the common area.

6. Comparison with Drawing of Chart 858 (First edition, 1954)A. Hydrography

The charted hydrography originates with the present survey after verification and prior to review. The charted hydrography is in agreement with depths on the present survey.

The three islets charted in lat. $28^{\circ}10.3'$, long. $82^{\circ}47.4'$, from H-4574 (1926) are shown on the present survey as one island.

The present survey supersedes the charted information within the common area.

B. Aids to Navigation

The survey positions of the aids to navigation are in substantial agreement with the charted positions and adequately mark the features intended.

C. Dredged Channels

Present survey depths in the dredged channel are in harmony with the charted controlling depth of 8 ft.

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 Recommended

This is an excellent basic survey and no additional field work is recommended.

Examined and Approved:

Wallace A. Bruder
Wallace A. Bruder

Acting Chief, Nautical Chart Branch

H. Arnold Karo
H. Arnold Karo

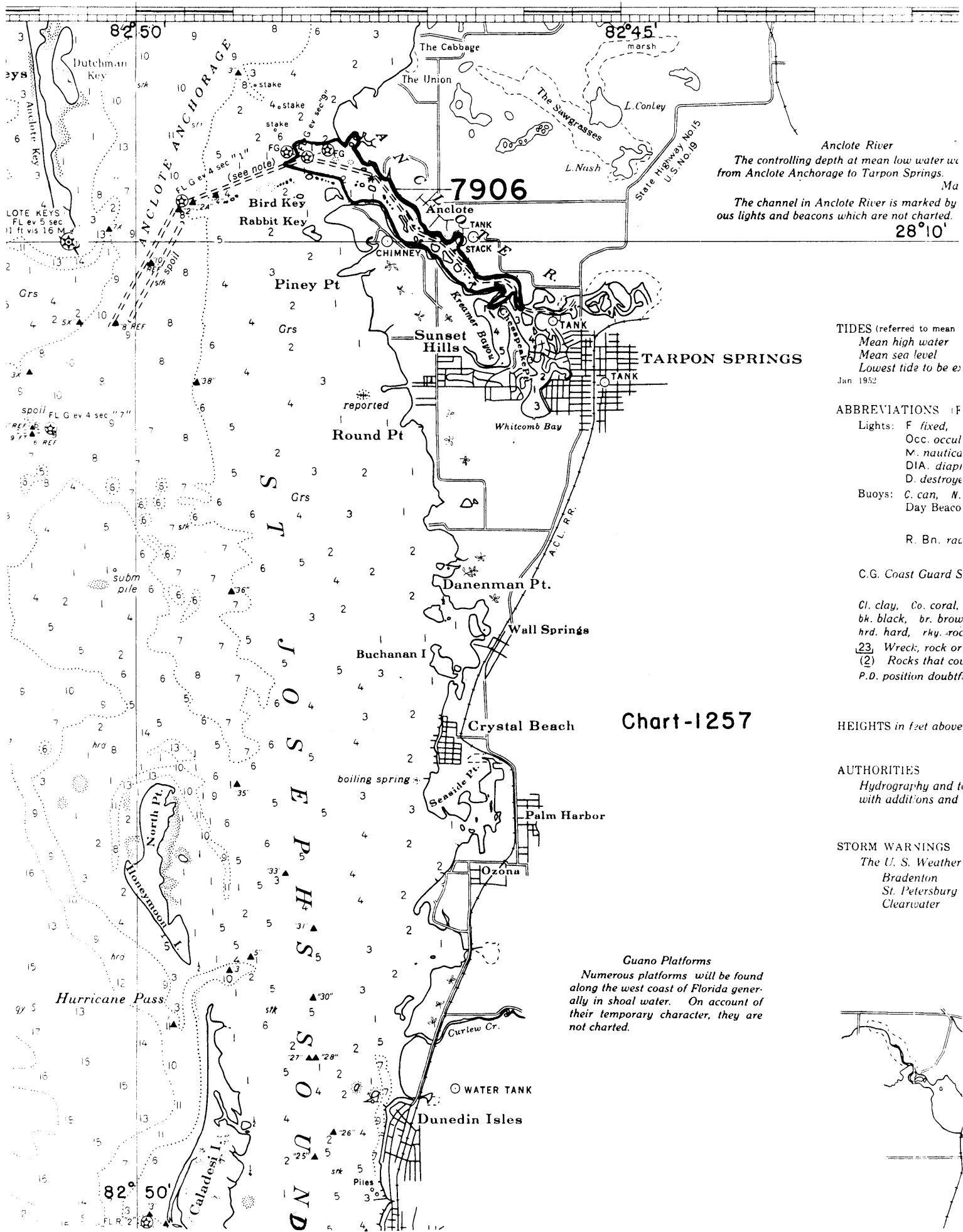
Chief, Division of Charts

G. R. Fish
G. R. Fish

Chief, Section of Hydrography

Earl O. Heaton
Earl O. Heaton

Chief, Division of Coastal Surveys



Anclote River
 The controlling depth at mean low water width from Anclote Anchorage to Tarpon Springs. *Ma*
 The channel in Anclote River is marked by lights and beacons which are not charted.

TIDES (referred to mean)
 Mean high water
 Mean sea level
 Lowest tide to be expected
 Jan 1952

ABBREVIATIONS of
 Lights: F fixed,
 Occ. occul
 M. nautica
 DIA. diaph
 D. destroye
 Buoy: C. can, N. Day Beaco

R. Bn. rac
 C.G. Coast Guard S
 Cl. clay, Co. coral,
 bk. black, br. brow
 hrd. hard, rky. roc
 23. Wreck, rock or
 (2) Rocks that cou
 P.D. position doubtf.

HEIGHTS in feet above
AUTHORITIES
 Hydrography and h
 with additions and

STORM WARNINGS
 The U. S. Weather
 Bradenton
 St. Petersburg
 Clearwater

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.



