

5862

Diag'd. on Diag. Ch. No. 1255

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Air Photo Compilation

Field No. CS-242-G Office No. T-5862

LOCALITY

State Florida

General locality Pine Island Sound

Locality PINELAND

Date of Photos: 12-14-'39 , 11-10, 12-42

1943

CHIEF OF PARTY

K.G. Crosby

LIBRARY & ARCHIVES

DATE March 17-1943

5862

- Applied to Chart Cor. 474 May 1945

DATA RECORD

T- 5862

Quadrangle (II):

Project No. (II):
242-G

Field Office: Tampa, Florida Chief of Party: K. G. Crosby

Compilation Office:
Tampa, Florida

Chief of Party: K. G. Crosby

Instructions dated (II III):
April 3, 1940Copy filed in *Division of* Descriptive
Report No. T- *(VI)**Photogrammetry Office Files*

Completed survey received in office: 20 Dec. 1943

Reported to Nautical Chart Section:

Reviewed: 28 Sept. 1945 Applied to chart No. 474 (prior to revised) May. 1945
Date:

Redrafting Completed: 4 Mar. 1947

Registered: 26 May, 1948

Published: May, 1947

Compilation Scale: 1:10,000

Published Scale: 1:10000

Scale Factor (III): 1.00

Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L.
H.W.

Reference Station (III): Bokeelia 1934

Lat.:

26° 42' 19.363" (595.92m)

Long.:

82° 09' 32.280 (892.32m)

Adjusted

~~Unadjusted~~

State Plane Coordinates (VI): Florida, West Zone

X = 448,102.13

Y = 862,072.03

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
4328	12/14/39	1:43	1:10,000	+ 0.6
11543	11/10/42	10:53	"	+ 0.2
11544	"	10:54	"	+ 0.2
11545	"	10:54	"	+ 0.2
11610	11/12/42	11:32	"	- 0.3
11611	"	11:32	"	- 0.3
11612	"	11:33	"	- 0.3

Tide from (III): South Boca Grande, Charlotte Harbor

Mean Range: 1.0 Spring Range: 1.3

Camera: (Kind or source) 9 lens (U.S.C. & G.S)

Field Inspection by: H. A. Duffy, Prin.Photo.Aid date: 1943
L. C. Bonham, Jr. Topo.Engr.

Field Edit by: _____ date: _____

Date of Mean High-Water Line Location (III): Time of Photographs

Projection and Grids ruled by (III) Washington Office date: 5/21/43

checked by: _____ date: _____

Control plotted by: Oscar M. Rivera, Sr. Photo. Aid date: 7/13/43

Control checked by: Rudolph Dossett, Prin. Photo. Aid date: " 11/1/54

Radial Plot by: Tampa Office Personnel date: Aug. 1943

Detailed by: M. M. Slavney, Prin.Engr. Draftsman date: Nov-Dec. 1943

Reviewed in compilation office by: F. H. Elrod, date: Dec. 1943
Prin. Photo. Aid

Elevations on Field Edit Sheet
checked by: _____ date: _____

STATISTICS (III)

Land Area (Sq. Statute Miles): 16.1

Shoreline (More than 200 meters to opposite shore): 38

Shoreline (Less than 200 meters to opposite shore): 11

Number of Recoverable Topographic Stations established: 6

Number of Temporary Hydrographic Stations located by radial
plot: 48

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered
by, (II) Field Party, (III) Compilation Party, or, (VI) the
Washington Office.

When entering names of personnel on this record give the
surname and initials (not initials only).

Remarks:

DESCRIPTIVE REPORT
TO ACCOMPANY
SHEET T-5862

CONTROL

Control was sufficient for the radial plot and all stations recovered were used. *Brown, 1860*

RADIAL PLOT

Jug Point, 1909
Bokelia 1934
Pine Is., Graham Wilson Est., white tank, 1934

A report on the radial plot may be found in the compilation report for sheet T-5872

DETAILING

The photographs were clear and sufficient for detailing. Photograph 4326, taken on December 14, 1939, was not used for detailing as the survey sheet was sufficiently covered by the more recent photographs taken in November 1942.

Field inspection was adequate for detailing; it may be noted, however, that Florida State Highway No. 183 in its entirety and two short sections of side roads have been shown on the survey sheet as "Rd. 1" whereas the field inspection has them labeled "Rd. 2". This was done after consulting with Lieut. Comdr. K. G. Crosby, Chief of Party.

LANDMARKS AND AIDS TO NAVIGATION

It is recommended that "TANK, elevated, silver, wood, 1943" on Little Bokelia Island be charted as a landmark. It is listed on Form 567 and made a part of this report.

Non floating aids to navigation are listed on Form 567 and made a part of this report.

*chart letter
No. 394
(1942)*

HYDROGRAPHIC CONTROL

Forty eight un-marked H & T stations have been located by the hydrographic party.

The following marked H & T stations have been established and may be recovered for use by the hydrographic party: (fms 5-24)

<u>Station</u>	<u>Year</u>	<u>Established by</u>
✓ ORN	1943	K. G. Crosby
✓ RAG	1943	" " "
✓ SET	1943	" " "
✓ PAD	1943	" " "
ROT	1943	" " "
TANK, elevated, wood, silver	"	" " "
Pine Island Sound Lt. 37 (wh.)	"	" " "

GEOGRAPHIC NAMES

The geographic names for this area have been covered in a separate report entitled "Special Report to Supplement Name Sheets Nos. 25-31 - Florida West Coast: Caloosahatchee River, San Carlos Bay, Pine Island Sound, and Matlacha Pass, submitted by Harold A. Duffy, Prin. Photo Aid, May 31, 1943. 214✓

COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

There were none available.

COMPARISON WITH EXISTING NAUTICAL CHARTS

Nautical Chart 1255 of scale 1:80,000 and Chart 474 of scale 1:40,000 were available for comparison with the survey sheet. Because the scale is larger and the printing date is more recent Chart 474 will be used for comparison.

The following discrepancies are noted:

Chart 474 does not show any roads on Pine Island, therefore no bridge is shown connecting Bokeelia Island with Pine Island.

Chart 474 fails to show the break in Bokeelia Island named Shell Cut.

Chart 474 gives an erroneous picture of the shoreline in the entire area of the perimeter of Pine Island north of 26° 40'.

The narrow dredged channel known as "Wilson Cut" is omitted from Chart 474.

The compilation survey sheet 5862, should supersede present charted information.

Respectfully submitted,

Milton M. Slavney

Milton M. Slavney
Prin. Eng. Draftsman

Forwarded:

Kenneth G. Crosby
Kenneth G. Crosby,
Chief of Party.....X

EXHIBIT 1000 FOR FIELD INSPECTION AND MAPPING
PROJECT 242

SYMBOLS

Fi - Pine
Cy - Cypress
Pal - Palmetto
Palm - Palm
D T - Deciduous trees (broad leaf)
Cit - Citrus (orchard)
Mx - Mixed, cypress & Dec. trees
(Density)
Bot. - Botanical
Twp. - Thinly wooded
Hav. - Heavily wooded
Scr. - Scrub trees

TERMINOLOGY

C - Cultivation
Gr. - Grass
T Gr. - Tall tropical grass
L - Line (dashed blue line on
inshore limits)
W - Water grass in water (dashed
blue line on offshore limits)
Sw - Swamp
Ag - Agriculture
Hdg - Hedge

SYMBOLS

Ca - Canal (width)
Cr - Creek
D - Ditch (width)
I - Intermittent stream
POU - Possible drainage unsurveyed
Bsg - Bridge or symbol
Cv - Culvert
Lar - Levee
FAS - Florida Aeronautics Survey
L - Local Engineer
USGS - U.S. Geological Survey

SYMBOLS

PA 1 - 1st class road (paved)
PA 5 - 2nd class road
Tr - Trail
RR - Railroad
O.V. - Overpass (state the kind)
U - Underpass (state the kind)
X - Abandoned trail, road, etc.
RA ab - Rte. abandoned (grade only)

SYMBOLS

Fi - Pine
Cy F - Cypress forest
I P - Intermittent forest

SYMBOLS

H.H.L. - High high waterline (solid red
line - East land)
L.H.L. - Low waterline (dashed red line)
L.H.L. - Light line (solid blue line for
mean high water line on beach)
Tr. - Track
Fr - Fence
L.C. - Levee
Skhd - Skidroad
Cane - Canebrake
To. - Trench
Jet - Jetty
Dol - Dolphin
File - File (give type)
Jad - Jaded
Rd - Road
Rk - Rock or rocky
Sty - Story
T - Tower
Slr - Slit (height)

SYMBOLS

H - House, barn or building
Ch - Church (give name)
St S - Court house (give name)
Bo H - Post house
P.O. - Post office (give name)
R.O. - Railroad station (give name)
Hos - Hospital (give name)
Sch - School (give name)

SYMBOLS

F - Fence
B - Bridge (maintained)
FIZ - Fire zone (dashed)
Gen - Cemetery
Park - Park (give name)
Shoal - Approx. limits by long dashed
line for use by hydrographer
F.T. - Fire tower
T.T. - Transmission tower (tell steel)
P.L. - Power line

GEOGRAPHIC NAMES

Survey No. T-5862

1	Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
	<u>Florida</u>								USGB	1
	<u>Charlotte Harbor</u>	✓								2
	<u>Pine Island Sound</u>	✓								3
	<u>Matlecha Pass</u>	✓								4
	<u>Pine Island</u>	✓								5
	<u>Fla. 183</u>	✓								6
										7
	<u>Jug Creek Shoal</u>	✓								8
	<u>Bokeelia</u>	✓								9
	^e <u>Bokeelia Island</u>	✓								10
	<u>Back Bay</u>	✓								11
	<u>Howard Mound</u>	✓								12
	<u>Shell Cut</u>	✓								13
	<u>Jug Creek Point Shoal</u>	✓								14
	<u>Jug Creek Point</u>	✓								15
	<u>Smokehouse Reef</u>	✓								16
	<u>Smokehouse Bay</u>	✓								17
	<u>The Smokehouse</u>	✓							(Matlecha Pass to Smokehouse Bay passage)	18
	<u>Indian Field</u>	✓							(locality)	19
	<u>Pineland</u>	✓								20
	<u>Wilson Cut</u>	✓								21
	<u>Little Jim Creek</u>	✓								22
	<u>Big Jim Creek</u>	✓								23
	<u>Little Bokeelia Bay</u>	✓								24
	<u>Little Bokeelia Island</u>	✓								25
	<u>Buzzard Roost</u>	✓								26
	<u>Tom Bay</u>	✓								27

**List of Non-floating
Aids to Navigation
Sheet T-5862**

LANDMARKS FOR CHARTS

TO BE CHARTED } STRIKE OUT ONE
TO BE DELETED }
TO BE DELETED }

Tampa Photogrammetric Office

1101 E. Broadway, Tampa, Florida Dec. 14, 1943

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing.

Kenneth G. Crosby

Chief of Party.

[illegible]

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES

Survey No.

T-5862

2	Name on Survey	A	B	C	D	E	F	G	H	K	
	Allen Creek	✓									1
	Jug Creek	✓									2
	Ace of Hearts pt ?	✓			(north entr. point Jug Creek)						3
	Patricio Shoal	✓									4
	Broken Islands	✓									5
	Darling Key	✓									6
	Orange Pass	✓									7
	Part Island	✓									8
	Water Turkey Bayou	✓									9
	Turkey Creek	✓									10
	Patricio Island	✓									11
											12
											13
											14
											15
											16
											17
											18
											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red approved

by L. Heck on 14/30/46

REVIEW REPORT
Planimetric Map Manuscript T-5862

28.-DETAILING

Corrections were made to the shoreline and road classifications and several ditches were added. These corrections and additions are shown in red on the map manuscript.

44.-COMPARISON WITH PREVIOUS SURVEYS

T-738 1/20000 1859

The present survey supersedes T-738 for comparable areas.

45.-COMPARISON WITH NAUTICAL CHARTS

1255 1/80000 (1929) 1938

There are major differences in both shore and inland detail, and in cultural development.

Chart 1255 shows Pineland (settlement) to be inland, whereas it is by the shore.

474 1/20000 See Descriptive Report

T-5862 was applied to chart 474 previous to the date of this review.

Reviewed by:

Under the direction of
R. M. Berry *R.M.*

Lena T. Stevens
Lena T. Stevens, 28 Sept. 1945

APPROVED BY:

B.G. Jones 3/49
Technical Assistant to the
Chief, Div. of Photogrammetry

K.T. Adams
Chief, Div. of Photogrammetry

H. Richardson
Chief, Nautical Charts Branch
Division of Charts

C.K. Green
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. T-5862

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.