

4541

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

G. & O. SURVEY

L. & A.

AUG 13 1930

Acc. No.

State: Florida

DESCRIPTIVE REPORT

Topographic

Sheet No.

4541

Field No. A

LOCALITY

West Coast of Florida

St. Andrews Bay

1930

CHIEF OF PARTY

Roland D. Horne

DESCRIPTIVE REPORT TO ACCOMPANY
Topographic Sheet A
Project 61
Party of Roland D. Horne

INSTRUCTIONS:-

Directors instructions, paragraphs 7 and 8, dated April 29th, 1930.

LIMITS:-

This sheet comprises that part of St. Andrews Bay from Latitude 30-02 to 30-07.5 N. and Longitude 85-34.5 to 85-43.5 W.

GENERAL DESCRIPTION:-

The outer or Gulf Coast is a low sand spit with Hurricane Island laying off the eastern end. On the east end there is little vegetation until in the vicinity of Spanish Shanty a small clump of oak and palmetto is found, farther westward the beach is backed by a quite prominent dune line with oak scrub, palmetto and pine in back of this.

The shoreline on the north shore of the bay is quite heavily wooded from Davis Point to Sand Bluff, there a sand spit makes off to the westward. From this point on east to the vicinity of old Hog Island conditions are about the same. Two long sand spits with a narrow entrance to a small lagoon now take the place of Hog Island. The trees along this shore give the appearance of a bluff line but the rise from high water line ranges from four to twelve feet only, with the exception of the vicinity of Beacon Beach where the rise is abrupt and about twenty feet. A narrow strip of sand beach is found throughout the entire length of this coast.

CONTROL:-

Control for this sheet was furnished by third order triangulation from the base Spanish Shanty 1910 - Weiley 1910.

SURVEY METHODS:-

A traverse from Davis Point 3 to Weiley, closing error 3 meters, no adjustment.

A traverse from Weiley to Middle, closing error 3 meters, no adjustment.

A traverse from Middle to Sand Bluff 2, checked by a three point fix at Beacon Beach, closing error at Sand Bluff 2 of 8 meters was adjusted to the check position in the field.

A traverse from Sand Bluff 2 to Spring 2, checked at Ware by a three point fix, closing error at Spring 2 of 3 meters was not adjusted.

A closed loop traverse from Spring 2 to the eastern limit of the sheet, checked at Spring, closing error of 3 meters, no adjustment.

The east half of Hurricane Island as well as the main island were run in from three point fixes.

SURVEY METHODS (cont):-

A traverse from Spanish Shanty to Lands End 2, closing error 5 meters, no adjustment.

A traverse from Spanish Shanty to Laguna 2, closing error 7 meters, error adjusted on the sheet.

A closed loop traverse from Laguna 2 to Dun to Art and then closing on Laguna 2 with an error of 14 meters. This error was adjusted on the sheet in the field.

All aids to navigation were located by intersections of three or more cuts. The channel buoys have since been shifted by the Engineers during dredging operations.

ESTABLISHED LOCAL NAME:-

Davis Point is locally known as Hawks Point and only very old settlers in the locality can remember it being called Davis Point.

CHANGES OF COAST LINE:-

A suitable junction was reached at Davis Point, the shoreline being changed only slightly from there to the vicinity of Sand Bluff. A bluff line is shown along this coast on the chart, this on the ground has a rise of only from four to twelve feet so is not shown as bluff on this sheet. A bluff line is shown in the vicinity of Beacon Beach where the rise is quite abrupt. At Sand Bluff there are now low sand dunes with a sand spit extending to the westward farther than previously shown. Hog Island shown on previous sheets has entirely washed away, at present there being in this locality two long sand spits enclosing a small lagoon. The island shown on the chart, previously known as Celestine, is now entirely removed. The present shoreline at the eastern limit of the sheet falls inshore of the old high water line about thirty meters, old stumps and trees with roots exposed by wind and water action show that this recession of the shoreline is actual.

On the south side of the bay a satisfactory junction was obtained on Laguna Point, the shoreline on the bay side being changed slightly to Lands End. The outer coast has apparently been eroded away as shown by tree stumps and clay lumps found as far as a quarter of a mile into the Gulf. The present shoreline at the western limit of the sheet falls inside of the old shoreline about 45 meters. The present Hurricane Island is rapidly changing, it being necessary to revise this section of the topography during a period of only a month and a half. Lands End is apparently building out across West Pass to the western end of Hurricane.

The west end of Crooked Island is also shifting and at the present time the tip turns toward the station STOP on the eastern limit of this sheet, but does not fall within the limits of the sheet.

Approved and Forwarded:

Roland D. Horne
Roland D. Horne,
Chief of Party

Respectfully submitted:

Max C. Ricketts
Max C. Ricketts,
Deck Officer, C. & G. Survey

PLANE TABLE POSITIONS

Object & Description		Lat	D.M.	Long	D.P.	Remarks
Reel	Seine reel on end of light dock	30-06	168 ⁷ 7	85-40	1572	
Wood	Maj. Wood's dock	30-06	1463	85-40	1316	End
Net	Seine reel, no tie to shoreline.	30-06	117 ³ 0	85-40	1144	
Moor	Mooring pile off Landgraf's dock.	30-06	447	85-40	332	
Pine	Largest pine just in back of dune end.	30-06	245	85-39	1261	
Lone	Large lone pine	30-06	104	85-39	942	
Ber	Berry's Gulf Inn	30-05	175 ³ 0	85-39	508	West corner
Tide	Gulf Inn Dock	30-05	1653	85-39	514	End of dock
Flag	Flag pole	30-05	1699	85-39	404	Top
Hot	White hotel bldg.	30-05	161 ⁶ 2	85-39	177	West corner
End	Camp Weed dock	30-05	1439	85-39	158	End of dock
Stubs	Two connected stub piling of old beacon	30-05	1252	85-39	20 ³ 5	
Tri	Wooden range triang. on pile structure	30-05	1286	85-39	152	Top of triang.
Shack	Fishing shack	30-05	57	85-38	415	SE corner
Corn	Fishing shack at end of dock.	30-05	10	85-38	546	SE corner
Dock	Light fish dock	30-04	1835	85-38	560	End of dock
Top	Lone pine on beach	30-04	1398	85-37	1012	
Piling	Group of piles near Rear Bar Beacon	30-04	1056	85-37	515	
Pav	Old wrecked pavilion	30-05	1242	85-41	749	Top of steps
Eng Sta	Galv. cylinder filled with concrete	30-04	1170	85-37	407	Eng. K
Pod	Stub diam 2' set in beach.	30-04	82 ⁰ 5	85-36	143 ⁶ 3	Eng Sta used spring 1930 name unknown

(2)

Eng Sta	Conc.monument Copper tack	30-05	464	85-38	740	Eng Sta with name unknown
Land Survey	Conc.monument Brass screw	30-05	640	85-40	528	Land survey mark.

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TOPOGRAPHIC TITLE SHEET

REG. NO. 4541

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

Field Letter A

REGISTER NO. 4541

State Florida

General locality West Coast of Florida

Locality St. Andrews Bay

Scale 1:10,000 Date of survey May 22 to June 4, 19 30

Vessel Shore Party, Chartered Launch DIXIE III

Chief of Party Roland D. Horne

Surveyed by Max G. Ricketts

Inked by Max G. Ricketts

Heights in feet above _____ to ground to tops of trees

Contour Approximate contour Form line interval _____ feet

Instructions dated April 29th, 19 30

Remarks: _____