

4219

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Florida

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. 4219

LOCALITY:

Gulf Coast

Anclote Anchorage and

St. Josephs Sound

1925-'26

CHIEF OF PARTY:

R. P. Eyman

4219

C & G SURVEY
L & A
DEC 17 1926
Acc. No.

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET NO. 4

ANCLOTE ANCHORAGE & ST. JOSEPH'S SOUND

Instructions of June 3, 1924

STEAMER HYDROGRAPHER

RAYMOND P. EYMAN

Chief of Party

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET NO. 4

1. Authority. Instructions from the Director, dated June 3rd, 1924.

2. General Description of the Coast.

This sheet comprises the Gulf Coast of Florida from Bailey's Bluff to Dunedin. The coast is bordered by long narrow keys, namely, North Anclote, Anclote, and Hog Island. The Gulf coast of these islands are either straight or gently curving sand beaches. The growth consists of pine, palmettos and tropical grass. The bay side is covered with high mangrove bushes growing to the water's edge. The Coast of the mainland is low and sandy, backed by pine growths.

3. Landmarks.

Upon approaching this section of the coast one usually sees the standpipes. The black standpipes (Tar, Dis, Pon and Clear) show well offshore.

A brown skeleton lighthouse tower near a clump of tall trees on Anclote Keys forms a distinctive landmark for vessels well offshore.

Two Radio Towers on the Fenway Hotel about 1/4 mile south of Dunedin show very well. $\Delta N07$
 $\Delta 50A$

4. Changes of Coast Line.

On the mainland the only changes that have occurred have been ~~in~~ those resulting from real estate developments.

The change in the Bay northeast of Yellow Bluff is the result of real estate activity in that locality.

The territory south of triangulation station "Curlew" is known as Dunedin Isles. A great change has taken place as the result of their development program. The portion of the shore from Curlew Creek to Cedar Creek has been seawalled and sand pumped in and operations for seawalling are

extending southward. The two sand banks in St. Joseph's Sound near this territory have been built up by a dredge still working in that locality. These two banks will be connected and form one of the five islands which are to be a part of the Dunedin Isles Development scheme.

In the northern part of Hog Island on the Gulf side an appreciable amount of erosion has taken place, however, the general shape has still been preserved. The island has been broken in two parts by a pass, resulting from a tropical storm a few years past. At the lower end of the island a continual building up of the shore line has been noted by evidence of the old shore.

5. Survey Methods.

Practically all the shore line of the mainland on this sheet was located by rod readings from 3 point plane table fixes. The large number of triangulation stations enabled the topographer to obtain a 3 point fix most anywhere. The Keys and Islands were run by plane table traverse.

The Bay side of Hog Island was surveyed by sextant fixes. The shore is very low, covered with mangrove to the water's edge and the mud very soft and deep. It was found that extreme difficulty was encountered in setting up the plane table and for this reason sextant angles were used to locate the mangrove edge. The large number of triangulation stations on the mainland afford excellent fixes and make this method feasible.

In surveying the mainland rod readings were taken on the roads and railroads whenever possible. The road from Dunedin northward was later surveyed with an azimuth compass and distances paced. The points established by rod readings previously served as a check and control on the traverse. The railroad was determined by pacing off sets from the road.

6. New Place Names.

Southerland is now known as Palm Harbor.

Yellow Bluff has been changed to Ozona.

Seaside changed to Crystal Beach.

Development north of Dunedin known as Dunedin Isles.

A small settlement northeast of Crystal Beach known as Wall Springs.

A small creek south of Curlew Creek is referred to as Cedar Creek.

7. Organization.

This sheet was started by W. E. Strom, Aid. The Gulf Coast of Hog Island, the Anclote Keys, and North Anclote Keys were surveyed by Mr. Strom. The remainder of the survey was made by Joseph P. Lushene, Deck Officer, of the party of Raymond P. Eymann, Commanding Steamer Hydrographer.

Joseph P. Lushene

St. Petersburg, Florida.
December 1st, 1926.

PLANE TABLE POSITIONS

Object and Description	Latitude	D.M.	Longitude	D.P.	Name on Hydro-Sheet
Guano Rack	28-13	425	82-50	993	Long
Guano Rack	28-12	563	82-51	849	Roost
Tripod sig. white target	28-11	1826	82-51	209	Dum
Highest group pines, N. end Anclote Key Round tops	28-11	1599	82-51	137	Clump
White target boards on Palm trunk	28-11	649	82-51	55	Mid
Target boards nailed ob- liquely on Palm trunk	28-11	206	82-51	10	Box
Flag & target boards on Palm trunk	28-10	1500	82-50	1579	Flag
Small palm tree on point	28-10	400	82-50	1414	Lost
Light House	28-10	14.7	82-50	1128	Clote
Guano Rack	28-10	89	82-51	673	Gull
Flag on stake	28-11	614	82-50	946	Tip
Guano Rack	28-10	1720	82-50	459	Duk
Red Beacon	28-12	949.2	82-49	647.8	Red
Beacon # 7	28-10	225.3	82-50	459.3	Chin
Guano Rack	28-09	710	82-50	1386	Bird
Beacon # 5	28-09	474.1	82-50	978	Jo
Black standpipe at Tarpon Springs	28-08	1314.4	82-45	280.6	Tar
Black standpipe at Tarpon Springs	28-09	493.1	82-45	1142.2	Pon
Triangulation Signal	28-12	657.4	82-46	1571.2	Baileys Bluf:
Tripod sig. wht banner bds.	28-11	740	82-47	1087	New
Lg. red bn # 2 slatted pyramid on piles	28-11	1016.4	82-48	1513.2	Cone
Lighted bn # 1, Dock House on piles	28-10	988	82-49	72.6	Ace
Lighted rear range bn, wht slats, ent. Anclote River	28-10	1526.6	82-48	726.4	Out
Front range bn, lighted Ent. to Anclote River	28-10	1427.8	82-48	406.6	Cent
Lighted rear range bn, 1st range, Ent. Anclote River	28-10	1557.3	82-48	39.2	In
Observing tower tri. sta.	28-10	172.5	82-48	419.9	Palmetto Key
Tripod sig. with Flag	28-09	1281	82-47	1524	Pine
Tripod sig, banner boards	28-09	358	82-47	962	False
White Tank	28-08	1567.8	82-47	263.8	White
Tripod signal, Banners and Flag	28-08	560	82-47	413	Tom
Large stake with flag	28-07	1772	82-46	1542	Roxy
Tripod Signal	28-07	808.6	82-47	56.1	Story
Tripod sig, wht banners	28-06	1111	82-47	32	Mak
Stake with flag	28-06	1574	82-46	1555	Bum
Stake with flag	28-06	222	82-46	1595	Fan
Guano Rack	28-08	114	82-48	1180	Pel
Beacon # 87	28-07	350.1	82-50	269.5	Beak

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Black pile bn # 85	28-06	431.7	82-49	1567.4	Jack
Guano Rack	28-06	276	82-50	307	Coot
Black pile Bn # 83	28-05	1598.2	82-50	93.8	Can
Black pile Bn # 81	28-05	681.2	82-49	776.5	Bak
Black pile Bn # 79	28-05	51	82-48	1594.2	Ry
Flagpole on Pavilion	28-05	865.5	82-46	1558.1	Fap
Tri. Sta. Tripod signal	28-04	1719.6	82-47	48.5	Seaside
Stake with Flag	28-04	1400	82-46	1278	Rex
Stake with large Flag	28-04	1118	82-46	913	Dig
Yellow Dock House	28-04	629	82-46	1553	Nice
Galv. Tin Dock House	28-04	381	82-46	1414	Tin
Small Wood Dock House	28-04	286	82-46	1476	Rat
Fruit Crate on Pile	28-04	612	82-47	808	Crate
Black Pile Bn # 77	28-04	372	82-48	768	Off
Guano Rack boards	28-04	734	82-50	1020	Pete
Tripod sig. with banner	28-04	581	82-50	226	Jan
Tripod sig. with banner boards and flag	28-03	1551	82-49	1363	Wet
Tripod sig. with banner boards and flag	28-03	952	82-49	997	Up
Tripod sig. with banner boards and flag	28-03	332	82-49	703	Sail
Guano Rack	28-03	1334	82-47	1349	Rik
Black pile Bn # 75	28-03	908	82-48	388	Peep
Small Rack	28-03	494	82-47	693	Fish
Red slatted Bn # 92	28-03	85.5	82-48	311.8	Sun
Slatted pyramidal signal	28-03	1618	82-47	258	Yel
Large Billboard	28-03	724	82-46	975	Sign
Center of small concrete bridge	28-03	1282	82-46	1298	Brim
2x2 stake with flag	28-03	823	82-46	1502	Nest
2x2 stake with flag	28-03	526	82-46	1542	Sway
Slatted pyramidal tri. sta.	28-02	1794.4	82-47	490.5	Curlew
Stake with white flag	28-02	1357	82-47	341	Mack
Slatted pyramidal Signal	28-02	722	82-47	413	Air
Black water tank	28-02	452.2	82-46	1168	Clear
Obs. tower real estate	28-02	1127.6	82-46	929.6	Real
Large stake, end of dock	28-02	1421	82-49	23	Man
Flag on blackened Palmetto Tree	28-02	1006	82-49	459	Tot
Flag on stake	28-02	163	82-49	434	Lone
Tripod sig. flag & banners	28-01	1382	82-49	583	Scar
Tripod sig. flag & banners	28-01	499	82-49	945	Rain
Tripod Signal	28-01	1652	82-48	1357.1	Mud
Slatted Beacon # 94	28-01	1576	82-47	1611	Tan
Pile Beacon # 73	28-01	1150	82-48	268	Pod

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Object and Description #	Latitude	D.M.	Longitude	D.P.	Name on Hydro-Sheet
Stake with Flag	28-01	1115	82-47	783	Job
<i>Pile Beacon</i>	28-00	1842	82-50	486	Bn # 4
"	28-01	92	82-50	155	Bn # 1
"	28-00	1668	82-49	1194	Bn # 6
Green Tank	28-01	544	82-47	692	Green
Brown Dock House	28-01	251	82-47	755	Brown
Dance Pav. Dock House	28-01	30	82-47	865	Dance
Spire on city dock	28-00	1378	82-47	910	Spire
Black Tank at Dunedin	28-00	1374.6	82-47	580.9	Dis

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C. & G. SURVEY
L. & A.
DEC 17 1926
Area No.

REG. NO.
4219

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. 4

REGISTER NO. **4219**

State Florida.

General locality Gulf Coast of Florida.

Locality Anclote Anchorage and St. Josephs Sound. ✓

Scale 1
20,000 Date of survey Oct. 1925, June & July 1926

Vessel Steamer Hydrographer.

Chief of Party Raymond P. Eyman.

Surveyed by W. E. Strohm & Joseph P. Lushene.

Inked by Joseph P. Lushene.

Heights in feet above.....to ground to tops of trees

Contour, Approximate contour, Form line interval.....feet

Instructions dated June 3rd, 192 4.

Remarks:.....