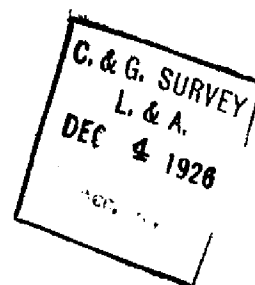


4212

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>Florida</u>
11-5613
DESCRIPTIVE REPORT.
#3
Topography Sheet No. <u>4212</u>
LOCALITY:
<u>Tampa Bay</u>
<u>Terraceia Bay to Piney Pt.</u>
<u>1926</u>
CHIEF OF PARTY:
<u>R. P. Eyman</u>

4212



DESCRIPTIVE REPORT TO ACCOMPANY

TOPOGRAPHIC SHEET NO. 3
SURVEY OF TERRACELA BAY

INSTRUCTIONS OF JUNE 3, 1924

RAYMOND P. EYMAN, H. & G. E.

Chief of Party

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

2. General Description of Coast.

(a) Tampa Bay.

The shore along Tampa Bay is very low and thickly wooded. In most cases the growth is thick mangrove. The coast is very irregular having numerous shallow bays and lagoons. It will be noted that a chain of small islands extends along this side of Tampa Bay.

The shore line has no prominent features that can be used as land marks.

(b) Terraceia Bay.

The west shore of Terraceia Bay is very low and a dense growth of mangrove extends to the waters edge. The growth is extremely dense and difficulty is experienced in traveling inshore.

The greater part of the east shore of Terraceia Bay consists of low sandy shore covered with palms, palmetto and tropical grass. A conspicuous yellow tank (triangulation station "Yel") is situated on this side of the bay. It can be seen from all parts of Terraceia Bay.

3. Change of Coast Line.

(a) Terraceia Bay.

Changes have occurred in the N.E. end of Terraceia Bay. A small mud flat between Frog Creek and Mae Williams as shown on the old topo sheet has been filled and a railroad as well as a road cross this area.

Mae Williams Creek has been steadily drying up and consequently has decreased in size.

It will be noted that there are two bights connected by a small cut off to the northeastward of Terraceia Point. The present Chart shows only one small inlet. It will be interesting to note that one of the bights nearly breaks thru to Tampa Bay.

A difference was found in a small bight to the southwestward of Mc Gill's Cutoff.

A small difference is shown in the island which is separated from Sneads Island by Clam Bar Bayou. One outstanding difference is that at present the island is cut in two, whereas it is shown as one on the old topo sheet.

A change will be noted in the extreme southeast end of Terraceia Bay. Instead of a long narrow key surrounded by marsh and low mangrove, a dense growth of high mangrove and marsh extends to the waters edge. It was not only impractical but nearly impossible to obtain the true line as shown on the old topo sheet. And for this reason the shore line was dotted as it is not the high water mark but the waters edge alongside the marsh and mangrove.

(b) Tampa Bay Shore.

The southern shore of Bishop's Harbor consists of high dense growth mangrove and for this reason it was found impossible to locate the tree or heavy line shown on the charts and they have been traced from the old sheet and shown as dotted lines.

4. Survey Methods.

Tripod signals were established at all outstanding points in Terraceia Bay and after the necessary computations the sheet was taken into the field and a day was spent in cutting in the signals forming a scheme of graphical triangulation. Having located all the signals the following operation consisted merely of setting up at any of the stations and taking rod readings to the nearby topographic features. This method ~~was~~ proved to be very rapid and accurate.

Graphical triangulation was also executed in surveying Mc Gills Bay and Bishop's Harbor. It was found that the control was extremely poor along the outside coast. The only control were the stations Terraceia 2, Mullet Beacon and Pinellos Beacon. The latter two were at such a distance in the bay

that it was extremely difficult to pick them up readily. For this reason additional control had to be established. Tripod signals were built along the coast and these signals were cut in from the triangulation stations with a theodolite and positions computed. In this way good control was had for topography, and hydrography was done simultaneously. Since the signals are merely tripod signals and not permanent they have not been inked on the topo sheet. Thus excellent control was had in the execution of topography in this area.

All the work was done with a plane table except the ~~tree~~^{tree} line northeast of Bishops Harbor which was run with a compass traverse merely to verify the old topo sheet. The traverse was 2 miles and the error was found to be 16 meters.

5. New Place Names.

At the northeast end of Terraceia Bay between Mac Williams Creek and Frog Creek the depot located on the S.A.L. R.R. (Seaboard Air Line) is known as Rubonia.

(The following information was obtained from an old fisherman living on one of the keys for 20 years):

The island called Two Brothers Island on the present chart is misnamed. By all the local people it is known as Joe's Island. The two islands east of Joe's Island are known as Two Brothers Islands.

The Bay called Clam-Bar Bay is known as Alderman's Bayou.

The south key that forms the entrance to Bishop's Harbor is known as Mariposa Key. This information was furnished by the fisherman who lives on the Key and he stated that his deed described the property as Mariposa Key.

To the eastward of Mariposa Key a small circular bay exists which is known as Mosé's Hole.

To the northward of Mariposa Key the long narrow key on the north side of the entrance to Bishop's Harbor is known as Harbor Key.

The northeast end of Bishop's Harbor is known as "North East Head"; the south east end as "South East Head". The most northern bight of this Harbor is known as "Hell's Half Acre".

At the north end of Harbor Key a very small marshy creek exists. It is very unimportant but is sometimes referred to as "Little Redfish Creek".

The creek just to the northward of this creek is called "Redfish Creek".

6. Organization.

The survey was made by Deck Officer J. P. Lushene in May 1926 of the party of R. P. Eymann, Comd'g. Str. Hydrographer.

*St. Petersburg Fla.
November 30, 1936
Joseph P. Lushene
J.P.L.*

PLANE TABLE POSITIONS

Object and Description	Latitude	D.M.	Longitude	D.P.	Name on Hydro-sheet
Window in packing plant	27-34	1560	82-33	1015	Gal
So. gable of Depot	27-34	1304	82-33	537	Dep
F.P. Top of large house	27-34	1455	82-33	1529	Spike
Flag on stake	27-34	1207	82-33	1233	Pup
Door in small new shack	27-34	927	82-33	480	Pink
Flag on stake	27-34	563	82-33	1220	Jac
Fish Rack	27-34	423	82-33	1370	Bed
✓ Door in tin warehouse	27-34	730	82-33	1426	Ten
White door on red barn	27-34	839	82-34	337	Barn
Gray brick chim.	27-34	667	82-34	499	Fire
Flag on stake	27-34	241	82-34	453	Mess
S.E. cor. of dock house	27-34	368	82-34	861	Don
Bright red chimney	27-34	407	82-34	1179	Jim
Large tripod signal	27-33	1703	82-34	557	It
Flag on stake	27-33	481	82-34	715	Flag
Large tripod signal	27-33	1059	82-35	636	Was
Brick chim. on lone house	27-33	1092	82-35	1157	Brick
Large tripod signal	27-33	227	82-35	1479	So
Flag on large stake	27-33	244	82-36	296	West
Slatted Beacon	27-33	6	82-36	377	For
Large tripod signal	27-33	11	82-36	1162	That
Flag on large stake	27-33	571	82-36	375	Gill
High Palmetto	27-33	272	82-36	1613	Rude
Stick with cloth	27-32	1794	82-34	600	Bel
Stick with cloth	27-32	1818	82-34	872	Ann
Stick with cloth	27-32	1746	82-34	1045	Brak
Slatted banner on palm	27-32	1153	82-35	269	Dress
Large tripod signal	27-32	113	82-35	1023	Neck
High Oil Derrick	27-31	1070	82-35	1340	Oil
Large tripod signal	27-31	1287	82-36	217	Low
Red slatted beacon	27-31	1370	82-36	651	Bn # 4
Center of Bridge	27-31	1006	82-36	936	Bridge
Warehouse	27-31	1357	82-36	1024	Wore
Large tripod signal	27-32	298	82-36	650	She
Bn with Lite	27-32	1678	82-35	1613	Bird
Stick with flag	27-32	726	82-36	703	Hay
Stick with flag	27-32	673	82-36	902	Did
Stick with flag	27-32	388	82-36	1151	Sit
Stick with flag	27-32	283	82-36	1304	Nut
Stick with flag	27-32	333	82-36	1544	Kit
Stick with flag	27-32	508	82-36	1480	Cat
Large tripod signal	27-32	1230	82-36	614	Lv
Slatted Beacon	27-32	1396	82-36	979	Rit

PLANE TABLE POSITIONS

Object and Description	Latitude	D.M.	Longitude	D.P.	Name on Hydro-sheet
Beacon	27-32	1348	82-36	1618	Square
Beacon	27-32	1253	82-37	336	Con
Large tripod signal	27-32	914	82-37	376	Ter
Large tripod signal	27-32	1702	82-37	749	Plan
Painted palm tree	27-32	1584	82-37	1394	Shot
Large tripod signal	27-32	643	82-38	153	Sis
Slatted boards on Palmetto	27-33	177	82-37	1547	Sal
Large stake with flag	27-33	1509	82-37	319	Min
Flag on stick	27-34	309	82-36	1400	(Flag)
Flag on Dock	27-34	939	82-36	880	Rain
Stake	27-34	1374	82-36	813	Rot
Stake	27-34	1152	82-36	609	Ding
Flag on stake	27-34	422	82-36	843	Shine
Stake	27-33	1631	82-36	918	Mark
Flag on stake	27-33	1388	82-36	637	Moon
Flag on stake	27-33	1816	82-36	254	Lite
Stake	27-33	1548	82-36	51	Lan
Flag on stake	27-34	448	82-36	22	Mike
Cloth on Branch	27-34	468	82-36	343	Clancy
Flag on stake	27-34	659	82-35	1046	Pat
Stake	27-34	1734	82-36	330	Rat
Stake	27-35	179	82-36	173	Mice
Flag on stake	27-35	499	82-35	987	Monk
Flag on branch	27-35	600	82-35	627	Bat
High Palmetto White	27-35	1169	82-35	1012	Tel
Shack, painted white	27-35	1082	82-35	771	Ben
Flag on stake	27-36	139	82-34	1248	Dog
Flag on branch	27-35	1803	82-34	990	Bob
Flag on stake	27-36	330	82-34	861	Mose
Small stake	27-35	1097	82-34	606	Saw
Top of Derrick on Dock	27-36	786	82-34	459	Der
Flag on branch	27-36	573	82-34	153	Cut
Cloth on branch	27-36	487	82-34	234	End
Flag on stake	27-36	859	82-34	50	Rak
Beacon with green can	27-36	790	82-33	1247	Can
Flag on stake	27-36	558	82-33	1486	Fool
Flag on stake	27-36	268	82-33	588	Bull
End of Doc	27-36	324	82-33	409	Doc
Flag on stake	27-36	726	82-32	1625	Mud
Flag on stake	27-36	877	82-33	569	Oar
Flag on stake	27-36	1087	82-33	1213	Rod
Large red house	27-38	1796	82-33	47.7	Ho

PLANE TABLE POSITIONS

Object and Description	Latitude	D.M.	Longitude	D.P.	Name on Hydro-sheet
Center of Gray House	27-38	1417	82-33	284	Gray
Sig, on end of Dock	27-38	1044	82-33	857	Pin
Large tripod signal	27-38	09	82-33	1198	Rig
Large tripod signal	27-37	1444	82-33	1428	Cres
Large tripod signal	27-37	822	82-33	1574	Cent
Large tripod signal	27-36	1603	82-33	1632	Mid
Large tripod signal	27-36	588	82-34	1096	Boe
Large tripod signal	27-35	1398	82-35	119	Ret
Large tripod signal	27-35	1097	82-35	1369	Burr
Large tripod signal	27-35	691	82-36	203	Sot
Large tripod signal	27-34	1448	82-36	926	Out
Yellow Cupola on Barn	27-34	1416	82-34	754	Ola
Cloth on Branch	27-36	912	82-34	365	Press
White slatted beacon	27-36	1465	82-34	791	Slat
Beacon	27-36	1053	82-34	633	Tri
Four Piles	27-34	739	82-37	224	Piles
Beacon with Arm	27-34	627	82-37	101	Plex
Dredge Range	27-40	97	82-34	925	Mew
Tripod signal	27-33	1103.5	82-37	924.0	Terraceia 2
Unlit Beacon	27-32	1334.6	82-38	776.0	Unlit
Lighted Beacon	27-32	1362.2	82-38	1086.1	Lit
Beacon	27-32	271.5	82-40	78.4	Sho
Beacon	27-32	174.0	82-40	231.1	F.R. 1
Beacon	27-31	1759.6	82-39	1628.9	R.R. 1
Beacon	27-32	215.4	82-39	1204.7	R.R. 4
Beacon	27-31	1696.0	82-39	1265.2	F.R. 3
Beacon	27-31	1644.3	82-39	396.0	F.R. 4
Beacon	27-31	1443.7	82-39	194.2	Cut
Tripod signal	27-31	1663.8	82-38	1315.5	Sneads
Yellow Tank	27-32	1022.8	82-34	1388.8	Yel
Smoke Stack	27-29	1390.8	82-34	42.3	White

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4212

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. 3

REGISTER NO. 4212

State Florida.

General locality ~~Gulf Coast of Florida~~, Tampa Bay.

Locality Terraceia Bay to Piney Point.

Scale $\frac{1}{20,000}$ Date of survey April, 1926

Vessel Steamer Hydrographer

Chief of Party Raymond P. Eyma

Surveyed by 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, 1924

Remarks: