

4214

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
State: <u>Florida</u>	
11-5613	
DESCRIPTIVE REPORT.	
Topographic	Sheet No. <sup>#6</sup> 4214
LOCALITY:	
Tampa Bay	
Clearwater Harbor~N. Part	
1926	
CHIEF OF PARTY:	
R. P. Eyman	

4214

C. & G. SURVEY  
L. & A.  
DEC 4 1928  
Acc. No.

DESCRIPTIVE REPORT TO ACCOMPANY

TOPOGRAPHIC SHEET NO. 6  
SURVEY OF CLEARWATER HARBOR

INSTRUCTIONS OF JUNE 3, 1924.

RAYMOND P. EYMAN, H. & G. E.  
Chief of Party

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET NO. 6

1. Authority. Instructions from the Director, June 3rd, 1924.
2. General Description of the Coast.

This sheet comprises all the Gulf Coast of Florida between Latitude 27-56.5 N and Latitude 28-01.2 N and the shore of Clearwater Harbor between these latitudes. The Gulf Coast in this vicinity is hard sand and shell, sloping rather abruptly from the line of vegetation to the water. The southern end of Hog Island is covered with a heavy growth of yellow pine as far as the north end of the small bay which makes back into the southern point. From the north end of this bay to the southern end of the Island, <sup>the</sup>preponderance of vegetation is mangrove and scrub palmetto.

The island immediately below Hog Island, called locally Clearwater Beach Island, has been christened by a real estate development "Mandalay, the Isle of a Thousand Palms" and advertised widely in popular magazines. It is a misnomer however and should read ----- Thousand Palmettos, for I have not observed any palms thereon, and certainly a thousand would be in evidence.

The north end of Sand key on the southside of Little Pass is free from vegetation from the north point as far south as latitude 27-57.2. The remainder shown on this sheet with the exception of a cleared space about latitude 27-56.7, is covered with mangrove bushes.

The several small islands in Clearwater Harbor immediately east of Mandalay are covered with high mangrove bushes growing to the water's edge. The east shores of Clearwater Harbor south of the new causeway is about 90% sea wall. Above the causeway little or no sea wall has been established as far as Dunedin. Upon approaching this section of the coast one usually sees first the buildings<sup>s</sup> and standpipes in Clearwater,

for the town is built on a 40 ft. bluff which rises abruptly from the water's edge, and seems to be the highest part of this section of Florida Coast.

### 3. Landmarks.

The most prominent landmark in this region is a large black squat water tank on Bellair Estates about  $\frac{1}{2}$  mile southeast of the Belleview Hotel. ✓

Next in importance is the Fort Harrison Hotel in Clearwater, a large yellow stucco finished building rising well above all buildings in Clearwater. A fixed white light is maintained on a staff on top of this building by the management. It can be seen easily for 15 miles from seaward. ✓

Triangulation stations "Dis", "Keg", "Squat", "Hy", and "Bak" are all high water towers and show well offshore. ✓

A new water tank approximately 120 ft high, is being built on Mandalay about 150 meters north of triangulation station "White". It is at present practically complete. ✓

A large 8 or 9 story hotel, the Mandalay Hotel, is under construction about 0.9 mile north of triangulation station "white". The construction tower of this hotel is 88 ft high and also has a fixed white light on top. ✓

The Belleview Hotel is a very prominent object, and at present has a large white brick chimney with a black top which has been located as triangulation station "Stack". The gables of this hotel are too numerous to be used as distinguishing features.

*Dismantled* Two Radio Towers of station W.G.N.B., on the Fenway Hotel  $\frac{1}{4}$  mile south of Dunedin show well to seaward. The south tower has been

located by triangulation.

#### 4. Changes in Coast Line.

Considerable change in shore line will be noted around Big and Little Passes, especially Little Pass. A small pass has also been created by the resident of Hog Island, in the small peninsula extending from the southeast end of the Island. From recent conversation with him I have learned that he is being forced to close the pass due to the change which currents are making in the topography. He requested that it should not be charted for that reason. It is shown on this sheet as it existed in August 1926. It is at present filled with brush to stop sand and sediment and is not navigable. These are the only natural changes observed.

A rather indefinite layout is shown on the east coast of Mandalay. This is the shore line as existed in August 1926. A complete proposed plan has not been obtained and there is considerable doubt about the entire project. The dotted line near the north end of Mandalay represents a timber bulkhead which was under construction in August 1926.

A dredge was at work in the small bay just east of station "White" and was pumping sand promiscuously into this bay. Consequently the shore line has been dotted. With apologies to the geologist - change and instability is the order of things in this vicinity in general.

A fill for a 100 ft causeway has been dredged up as shown but the connecting spans are not yet in place.

Near the Bellevue Hotel a proposed island park is being built. Most of the timber bulkheading is in place as shown.

About 1/4 mile north of triangulation station "New" on Sand key, the storm's of the past season have washed across the key and

at present only a narrow sand and shell ridge held in place by a few old mangrove roots exist here. It will no doubt be completely broken thru by subsequent storms.

#### 5. Survey Methods.

Practically all the shore line on this sheet was located by rod readings from 3 point plane table fixes. A short section of traverse was run up Steven's Creek, and around the outside of Sand Key, and part of Mandalay. The east sides of the small islands near Mandalay were located by a combination of plane table and sextant fixes.

A few easily identified points in the cities and subdivisions were located and plans from the city engineers and developers adjusted to them. The roads shown ~~in full line~~ are paved. A number of large expensive homes are being built on Mandalay in the paved development shown.

St. Petersburg, Florida.

November 16, 1926.

*Paul H. Smith*  
Lieut. [j.g.]  
(Topographer)

SUPPLEMENTARY TO TOPOGRAPHIC SHEET NO. 6

Since the completion of this sheet, the city of Clearwater has obtained from the Hamilton-Meyers Company, a photographic mosaic of the city and Clearwater Harbor. This map covers practically all the area on topographic sheet no. 6. A number of the roads in the vicinity of the Belleview Biltmore Hotel and north of Stevens Creek were taken from the photographic map. The mosaic, however, does not seem to be carefully matched and for this reason a tracing was not made. It is recommended that the original photographs be obtained and used in making up the chart of this vicinity. All shoals show distinctly and practically all of our triangulation stations can be easily identified. Several <sup>small</sup> discrepancies have been noted in the outline of mangrove on the islands east of Mandalay. All roads shown are paved. The ones in full line have been run by plane table - those in broken line have been transferred from blue prints or tracings.

The magnetic meridian at Little Pass shows a variation of  $2^{\circ} 30'$ . When this observation was made, the needle behaved in a peculiar manner, as tho some electrical influence was close by. The nearest electrical wires are in the vicinity of triangulation station "White", and no cause for the trouble could be discovered around the plane table or observer. The only possible cause was salt water on the head of the plane table tripod which had been wet with spray earlier in the day. This may have caused slight galvanic currents of varying intensity - but the probability of such is slight.

*Phd.*

PLANE TABLE POSITIONS

Object and Description	Latitude	D.M.	Longitude	D.P.	Name on Hydro-sheet
Clearwater Harbor					
Black Pile Bn 86	27-59	515	82-48	1327	
Black Pile Bn 88	27-59	972	82-48	1398	
Conical Hydro. signal	27-59	1386	82-49	147	Sil
Stake with flag North end of island	27-59	775	82-49	455	Bird
Beacon No. 3	27-59	1781	82-49	462	
Construction tower on Mandalay Hotel	27-59	1555	82-49	1065	Tow
Spire on Mandalay Sales Office	27-59	1487	82-49	768	
Tank	27-59	1197	82-49	1042	
Iron cross on yellow stucco residence	27-59	1102	82-49	1083	Iron
E. gable red stucco house	27-59	773	82-49	965	Cow
W. gable red stucco house, tile roof	27-59	775	82-49	980	
Brick chg on drab cottage	27-59	559	82-49	1056	Brick
Chim. on drab cottage	27-59	424	82-49	1056	Chy
Door in chocolate two story house	27-59	267	82-49	1108	Door
2"x2" stake on lbr pile	28-00	19	82-49	633	Stick
2x2 stake with flag on east side of Mandalay	27-59	956	82-49	726	Dog
2x2 stake with white flag about 200 m N of bridge	27-59	136	82-49	690	Cat
Mandalay sign.	27-59	118	82-49	829	
First telephone pole on Bridge on Mandalay	27-59	46	82-49	683	Tel
End of dock Mandalay beach	27-59	76	82-49	1217	
New tank(High) on Mandalay	27-59	77	82-49	1050	Lay
S.W. Car signboard	27-58	1697	82-49	288	
Flagpole on unpainted bldg.	27-58	1101	82-49	1189	Fog
Sign Board	27-58	948	82-49	1254	Sign
Chim. on Red House	27-58	386	82-49	1332	Red
Red slatted bn Little Pass	27-58	767	82-50	182	
2x2 stake with flag	27-58	1147	82-49	620	Cos
Mandalay sign Plot as Hydro signal see N.B.	27-58	1494	82-48	1527	
Black Pile Bn	27-58	1715	82-48	1109	
Center of Bridge	27-58	963	82-48	498	Swing
S.W. Cor. fish house	27-58	871	82-48	372	Fish
Small green dock house	27-58	1224	82-48	39	
Small green dock house	27-59	1136	82-47	1198	
La Jolla Sign	27-59	1256	82-47	1097	
Floridena Sign	27-59	1019	82-47	1137	Flor <i>chey chub Kaw.</i>



PLANE TABLE POSITIONS

Object and Description <del>KKK</del>	Latitude	D.M.	Longitude	D.P.	Name of Hydro-sheet
	Clearwater	Harbor (cont'd)			
Sunset Tavern(S.W. cor. Portico)	27-59	789	82-47	1246	Hot
Green Dock House	27-59	711	82-47	1034	
S.W.Cor S.J.Burroughs Residence	27-59	134	82-47	432	
Round low cement tank	27-58	752	82-48	128	Con
West gable white house	27-58	61	82-48	248	
West gable white house	27-57	1780	82-48	259	
West spire on Yacht Club Dock House	27-57	1708	82-48	429	
Municipal playground tower	27-57	1586	82-48	287	
Bn 59 (?)	27-57	1616	82-48	939	
Center turner St Dock Ho.	27-57	1038	82-48	527	
Black pile bn. double pointer	27-57	1054	82-48	981	
Campanile	27-57	719	82-48	568	
Stake with flag	27-57	131	82-48	885	
Black pile Bn	27-57	595	82-49	290	
Conical Hydro. signal	27-57	455	82-49	1083	Sig.
Chim.on white stucco house	27-56	1594	82-48	959	Chim
Center of white concrete Bridge	27-56	1359	82-48	1261	Bridge
Small shingle roof shack (Also located by "Bache")	27-56	874	82-48	1223	
Black pile beacon	27-56	1194	82-48	550	
Net Racks	27-56	1645	82-50	8	
Cloth on dead Palmetto used by "Bache"	27-56	1576	82-50	459	
White cross signal	27-56	1686	82-50	134	
White cloth on Palmetto used by "Bache"	27-56	1577	82-50	323	
West gable of dock house	27-58	421	82-48	403	
End of dock at Clearwater	27-58	895	82-48	266	Pup
Diving tower on Beach Devel	27-59	77	82-49	1217	
Small signal in Pass	28-00	1163	82-49	97	
End of construction dock Mandalay	28-00	1570	82-49	1253	
Net racks	27-57	453	82-49	1187	

*copy/row*

Clearwater Harbor				
Signal on N pt. of Mandalay	28-00	1143	82-49	1034
Posted sign	28-00	1770	82-49	759
Posted sign	28-00	1242	82-49	601
Tripod signal	28-00	1097	82-49	567
Stake with flag	28-00	1196	82-49	190
Black pile beacon	28-00	1667	82-49	1191
Black pile beacon	28-01	93	82-50	155
Palm tree with white muslin band	28-00	407	82-49	101
North end of Sea wall	28-00	624	82-49	958
Small topographic signal	28-00	335	82-49	1014
Bn # 4 Red slatted bn	28-00	1841	82-50	486
Triangular	28-00	448	82-48	1514
Conical sig. S.W.pt. at Island	28-00	504	82-48	1105
Stake with flag S.W. point of Ely Island	28-00	1223	82-48	1478
Tripod signal	28-00	354	82-48	196
Black pile Bn with white pointer	28-00	662	82-47	947
Concrete fountain 5 ft. sq. (4' above M.L.W.)	28-00	998	82-47	983
White Flagpole	28-00	1378	82-47	909
Dock house at Main Street	28-00	1521	82-47	884
Dugedin, Florida	27-59	1767	82-47	1119
Yacht Club dock spire	27-59	1479	82-47	979
Dunedin	27-59	1460	82-48	356
Yellow stucco dock house	27-59	1351	82-48	776
Windmill	27-59	917	82-48	1160
Black Pile Bn				
Black Pile <del>BN</del> Bn				
Black Pile Bn <del>BN</del>				

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO. 4214

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. 6

REGISTER NO. 4214

State Florida.

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

Locality Clearwater Harbor - North Part

Scale  $\frac{1}{10,000}$  Date of survey August, 1926

Vessel Hydrographer

Chief of Party Raymond P. Eymann

Surveyed by Paul A. Smith

Inked by Paul A. Smith

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated June 3rd, 1924

Remarks: