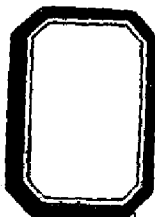


4204



Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director

C. & G. SURVEY

L. & A.

NOV 2 1926

State: Florida

DESCRIPTIVE REPORT

Topographic

~~*Hydrographic*~~

Sheet No.

H

⁴²⁰⁴
4204

LOCALITY

Tampa Bay

~~near Seigney St.~~

Upper Part of Boca Ciega Bay

North of Pulver Bridge

192 6

CHIEF OF PARTY

Ray L. Schoppe

GOVERNMENT PRINTING OFFICE

4204

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET " H "

BOCA CIEGA BAY, FLA.

STEAMER BACHE

RAY L. SCHOPPE

COMMANDING

1926

DESCRIPTIVE REPORT OF TOPOGRAPHIC SHEET "H"

BOCA CIEGA BAY FLORIDA
S. S. BACHE OCTOBER 1926

CHIEF OF PARTY: RAY L. SCHOPPE
TOPOGRAPHER: H. ARNOLD KARO

AUTHORITY

The topography of this sheet was executed during the month of July and August 1926 under instructions to the Commanding Officer, Steamer HYDROGRAPHER, dated June 3, 1924 and supplemental instructions to the Commanding Officer, Steamer BACHE, dated December 3, 1925.

LIMITS

This sheet includes the shoreline of Boca Ciega Bay from Pulver Bridge northwest to approximately lat. $27^{\circ} 50' N$; the greater part of Long or Four Mile Bayou, and the Gulf Coast from the bathing pavilion at the north end of St. Petersburg Beach, signal Gate, northwest to approximately lat. $27^{\circ} 50' N$, long. $82^{\circ} 50' 1 W$; the landed area between Boca Ciega Bay and the Gulf and for a short distance on the eastern side of Boca Ciega Bay and surrounding Four Mile Bayou.

CHARACTERISTICS

All of the landed area on this sheet is low with the exception of the area just east of the Duhme' Estate, which attains an elevation of between 40 and 50 feet. The area included between the Gulf and Boca Ciega Bay is sandy, covered with grass, scattered palmettos and palms on the western or Gulf side and for the main part mangroves on the eastern side, extending from a few to several hundred meters; the exception being from Pulver Bridge to Treasure Island. Three or four small mangrove islands are found in this latter area; that farther to the northward having several mangrove islands. During the extreme highwater of the hurricane of September 18th-19th, the land area along the Gulf was almost entirely inundated.

The area immediately surrounding Long or Four Mile Bayou above Seminole Bridge is low, densely covered with pine trees, grass and small palmettos, and has numerous swampy areas, some of which are partially drained by dredged drainage canals, the most important of which extends along the right or eastermost arm of Four Mile Bayou through to Cross Bayou in Old Tampa Bay. On the westerly side of the upper end of Four Mile Bayou, the improved districts, consisting mainly of orange and grapefruit orchards, extend to within about 200 meters of the Bayou.

The landed area on the eastern side of Boca Ciega Bay from the Jungle Club Yacht Basin to the Seminole Bridge, for a strip of from 100 to 300 meters, is densely covered with pine trees, grass and small palmettos, as is the entire area from Turtle Crawl Point to Welche's Causeway. From Welche's Causeway northwest to triangulation station OAK, the limit of this sheet, the area is covered with pine trees, grass and small palmettos, part of which has been cleared or thinned by the various real estate development companies working in these parts. From Pulver Bridge to the Jungle Club Yacht Basin, the area is improved, having many fine residences with well kept lawns and palm trees.

CONTROL AND METHOD OF SURVEY

Control was obtained from old recovered triangulation stations and a small amount of additional triangulation. The method used was that of stadia traverse between triangulation stations, augmented by three point fixes where possible. Several stadia traverse loops were used, especially in the area of Four Mile Bayou, in order to strengthen the traverses where it was not possible to close on a triangulation station. In all traverses the closures were negligible and needed no adjustments. All channel beacons were located by plane table cuts as were some of the hydrographic signals.

Aerophotos, maps and blueprints of the various subdivisions together with those for the city of St. Petersburg proved to be of great value, where available, in checking up minor details, obtaining the nature of the vegetation, and for obtaining the location of a few streets and roads where it was not practicable to traverse them.

The shoreline from Pulver Bridge to the Jungle Club Yacht Basin and from Pulver Bridge to Treasure Island was surveyed by H. K. Hilton.

All work was done in accordance with the General Instructions for Field Work, paragraphs 145 to 197. Hydrographic signals were established where necessary and cut or traversed in. Distortion of the sheet was small and nearly uniform so that little trouble was encountered from this source.

DETAILS OF SHORELINE

All the shoreline on the Gulf, as well as that of Blind Pass and Johns Pass, consists of a broad sand beach with a very distinct high water line. On the western side of Boca Ciega Bay, from Pulver Bridge to the Treasure Island real estate development, except for a few small mangrove islands, the shoreline consists of a narrow sand beach with a definite high water line. From Treasure Island to triangulation station WAIT, the northern limit of the shoreline, except for Welche's Causeway the shoreline consists of mangrove trees with an indefinite high water line.

On the eastern side of Boca Ciega Bay, a concrete bulkhead extends from Pulver Bridge to the Jungle Club Yacht Basin. From the yacht basin to the Seminole Bridge the shoreline consists of a narrow sand beach.

Most of the shoreline of Long or Four Mile Bayou consists of marsh grass with a small amount of mangrove. A definite high water line was located back of the marsh grass. Several small mangrove islands are found scattered thruout the lower end of the bayou.

From Turtle Crawl Point to triangulation station OAK the shoreline consists in the main of marsh grass with a few strips of sand beach in the vicinity of Turtle Crawl Point. A definite high water line was located back of the marsh grass.

CHANGES OF SHORELINE

Very little change of shoreline was noted as compared with the existing charts, except in the vicinity of real estate developments where the shoreline and existing or nonexistent islands are changed to suit the individual taste.

The old natural channel at Indian Pass is virtually closed. At extreme high water a small portion of it is awash. A new channel has broken thru just south of triangulation station SWEAT and promises to become of more importance as time goes on. The details of this new channel are shown on the next sheet above, topographic sheet "J". The mangrove islands at the lower end of Four Mile Bayou have changed considerably.

PLACE NAMES

Names were taken from existing charts and verified where possible. additional names were taken from the plans and maps of the city and of the real estate developments where sufficiently well known as to insure their permanency.

DEVELOPMENTS

There are three real estate developments included on this sheet at present which are still in the experimental stage and are apt to continue so for some time. Namely Treasure Island, Madeira Beach and Duhme' Estate. Little work if any has been done on Duhme' Estate and it is considered of little importance at present.

Treasure Island, the largest of the three, is still in the experimental stage and little has been done. Permit has been obtained from the War Department and it is planned to build a free causeway across Boca Ciega Bay on the extension of Central Avenue westward. They also plan on building several islands. Nothing exists as yet except a few sidewalks, a bath house and the engineers office.

Madeira Beach, at the western end of Welche's Causeway, is also in the experimental stage and is at present in difficulty due to confusion in legal titles to the various lots. While all that exists there at present is the bath house and a few refreshment stands, it was quite popular as a bathing beach due no doubt to the fact that it can be reached without passing over a toll bridge.

LANDMARKS

Due to the flat nature of the country no natural landmarks of any value are to be found within the limits of this sheet. The only artificial landmarks of any value are the three water tanks located by triangulation under the names of SLIM, HIGH and FAR.

STATISTICS

Statute miles of shoreline	58.6
Area, square statute miles	20.0
Statute miles of roads or streets traversed	12.7
Number of triangulation stations	19
Number of hydrographic signals	168
Number of recoverable planetable positions	15

*Approved & forwarded,
Ray T. Schoppa*

Respectfully submitted,

David Kero

RECOVERABLE PLANETABLE POSITIONS

DESCRIPTION	LAT.	D.M.	LONG.	D.P.	REMARKS
GATE, West gable bathing pavilion St. Petersburg beach.	27° 44'	1107	82° 45'	427	
GLUE, Red chimney white House.	27° 45'	576	82° 44'	980	
TED, Red chimney white House.	27° 45'	1102	82° 45'	1612	
LEG, Red chimney	27° 45'	1840	82° 44'	772	
BEE, Chimney green tile roof.	27° 46'	1069	82° 44'	1298	
RAT, West gable green roofed white house.	27° 46'	1143	82° 46'	1104	
TOP, Chimney red roofed house.	27° 47'	216	82° 45'	167	
GANG, East tower gang plank.	27° 47'	570	82° 45'	377	
BATH, SW. Gable Red roofed bath house.	27° 47'	1830	82° 48'	88	
VAN, Red chimney green roofed white house.	27° 48'	1009	82° 46'	364	
CUP, Cupola, Fruit packing plant.	27° 48'	1380	82° 45'	938	
Sunken boiler	27° 49'	471	82° 48'	1148	
PO, Prominent large tree on point.	27° 49'	1789	82° 46'	544	
OLD, Prominent Large Tree.	27° 51'	1837	82° 46'	399	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4204

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. "H"

REGISTER NO. 4204

State Florida

General locality Tampa Bay

Locality ~~Boca Ciega Bay~~ Upper Part of Boca Ciega Bay

Scale 1/10000 Date of survey July - August, 192 6

Vessel BACHE

Chief of Party R. L. Schoppa

Surveyed by H. Arnold Kero

Inked by H. Arnold Kero

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

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

Instructions dated June 3, 1924 December 3,, 192 5

Remarks:.....