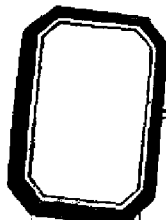


4205



Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director

C. & G. SURVEY

L. & A.

NOV 2 1926

cc. No.

State: Florida

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. J 4205

LOCALITY

Gulf Coast

North End of Boca Ciega Bay and South

~~South of Clearwater~~

Part of Clearwater Harbor

Indian Rocks Beach

192 6

CHIEF OF PARTY

Ray L. Schoppe

GOVERNMENT PRINTING OFFICE

10024

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET " J "

GULF OF MEXICO, CLEARWATER HARBOR AND

BOCA CIEGA BAY, FLORIDA.

STEAMER BACHE

RAY L. SCHOPPE, COMMANDING.

1926

DESCRIPTIVE REPORT  
to accompany  
TOPOGRAPHIC SHEET "J"

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EXTENT:

This sheet represents a survey of the shoreline of the Gulf of Mexico, Clearwater Harbor and Boca Ciega Bay between latitudes  $27^{\circ} 49\frac{1}{2}'$  and  $27^{\circ} 56\frac{1}{2}'$ . A sub-plan covers the Gulf shoreline between triangulation station SOUTH and signal END. A topographic sheet executed by officers' of the Steamer HYDROGRAPHER adjoins this sheet on the North and sheet "H" adjoins it on the South.

CONTROL:

Recovered triangulation stations formed the basic control. No new triangulation stations were established.

METHODS:

Three point fixes were used wherever possible. It was necessary however to use plane table traverse for the survey of the entire Gulf shoreline and also in the survey of the Narrows.

In the survey of the Gulf Beach a two mile traverse was run from triangulation station SWEAT to triangulation station VEC closing perfectly. Using the same orientation as no signals were available a  $4\frac{1}{2}$  mile traverse was run from triangulation station VEC to triangulation station SOUTH. This traverse was 25 meters in error, mainly in azimuth. The shoreline was adjusted between these two points.

A three mile traverse was run from triangulation station RHODES to triangulation station VEC through the Narrows. An error of twenty meters was found on closing, this error being in distance. The shoreline was then adjusted.

A  $2\frac{1}{2}$  mile traverse was run from triangulation station LOOSE over the highway leading to Clearwater and St. Petersburg. This traverse was closed at the East end of the abandoned railroad bridge with an error of seven meters. It was adjusted.

#### CHANGES IN SHORELINE:

In general the shoreline is much the same as that shown on existing charts. One marked change is evidenced in the present location of Indian Pass. The Pass as shown on Chart No. 177 was surveyed on sheet "H". The entrance is very nearly closed and a new aperture appears nearly a mile North of the old location. This new pass is locally known as Indian Pass.

Some change is noticeable in the mangrove and marsh areas especially in the Narrows. The East side of the Narrows is very shallow and marshy. A large island appears on the chart where the Narrows enter Clearwater Harbor. This island is now grown up in mangrove which makes a clear delineation of shoreline impossible. It now appears to be joined to the large key on the West side. Numerous marshy islands appear. The large slough on the East side of triangulation station SOUTH seems to have changed considerably. Changes are constantly taking place on the sand beaches due to wind and tides. A very strong current running in Indian Pass is responsible for the shallow condition of the Narrows at that point.

#### LANDMARKS:

A number of good landmarks were located on a triangulation scheme executed by the Steamer HYDROGRAPHER. Signal TOP is the end of an open draw span on an abandoned railroad bridge. The open draw stands very nearly vertical. The position is listed in the list of plane table positions.

#### NEW NAMES:

Indian Rock Beach is an incorporated town. The town is located on Sand Key, it's limits being approximately the area of the Key. It also includes some territory on the mainland at the East approach to Indian Rock Bridge. As noted before the pass known as Indian Pass is nearly a mile further North than the pass shown on Chart No. 177.

#### REMARKS:

A sub-plan was thought advisable in order to bring the beach topography up to the entrance of Little Pass and enable the hydrographic party to complete the outside hydrography up to this point. This gave a better junction point with the work of the Steamer HYDROGRAPHER. This sub-plan shows only the shoreline on the Gulf side. The symbols do not indicate the East shore. The East shoreline of this key from triangulation station NEW to the limit of the sub-plan was surveyed by the Steamer HYDROGRAPHER. Incidentally signal END is the limit of the mangrove and high ground. A sand spit which is shown on the HYDROGRAPHER'S sheet projects in a Northeasterly direction but is cut off from the main part of the key at extremely high water.

Very few real estate developments exist in this area. Considerable development is contemplated for Indian Rocks Beach but this is already an incorporated town.

Because of the temporary nature the channel beacons were not located by triangulation.

An island appears on the Northeast limit of this sheet. Because it was impossible to survey the whole island, no part of it was surveyed. The information concerning it was obtained from the Steamer HYDROGRAPHER and a broken line drawn on this sheet to represent the Southern limits.

STATISTICS:

This sheet includes 39.4 miles of shoreline and 3.0 miles of roads,

Respectfully submitted,

*James McCormick*

Approved and forwarded.

*Ray L. Schoppe*

Ray L. Schoppe  
Chief of Party.

**RECOVERABLE POSITIONS:**

Description	Latitude 0   '   "	D.M. meters	Longitude 0   '   "	D.P. meters
(TOP) Top of open draw span.	27 53	1133	82 50	587
(WIND) Windmill farthest South of four	27 51	1693	82 50	1566
(HIG) Chimney on gray roof white house	27 51	1382	82 50	1515
(RAY) Chimney on gray house	27 51	1111	82 50	1453
(CHI) House chimney	27 51	802	82 50	1388
(GREEN) Chimney on large red roofed green house	27 51	670	82 50	1352
(PAV) Flagpole on W. gable large pavilion.	27 53	1518	82 50	1582
(GRE) W. gable on red house.	27 53	1768	82 50	1552
(CHIM) White chimney on yellow house.	27 54	135	82 50	1518
(RED) So. gable red roof green house.	27 54	687	82 50	1380

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4205

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. "I"

REGISTER NO. 4205

State Florida

General locality Gulf of Mexico Tampa Bay

North end of Boca Ciega Bay and South Part of Clearwater Harbor  
Locality Boca Ciega Bay, Clearwater Harbor

Scale 1/10000 Date of survey August, 192 6

Vessel BACHE

Chief of Party R. L. Schoppe

Surveyed by J. A. McCormick

Inked by J. A. McCormick

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:.....