

7020

Diag'd. on Diag. Ch. No. 1257-Z

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. A-1945 Office No. T-7020

LOCALITY

State FLORIDA

General locality WEST COAST OF FLORIDA

Locality ST. PETERSBURG

1946

CHIEF OF PARTY

Lt. Comdr. George E. Morris Jr.

LIBRARY & ARCHIVES

DATE July 1, 1946

B-1870-1 (1)

7020

ST. PETERSBURG TOPOGRAPHIC SURVEY
Preliminary report to accompany
tracing of Topographic sheet.

T7020

This survey was made in accordance with the letter from the Director, dated, 4 May 1945. The work was begun 20 November 1943.

A projection was made on a 1:5,000 scale on an aluminum mounted sheet, control plotted, and shore line details transferred from an oxalid print of Topographic map number T-5830, by the use of the projector.

There was some discrepancy between this survey and that of T-5830; however, the majority of detail fell within the limits of accuracy for a 1:10,000 scale map. The maximum error (approximately 0.85mm) was in the detail around the U. S. Coast Guard Air Station and the location of Yacht Basin North Mole Light.

Numerous hydrographic signals were located for the aid of the hydrographic party and are shown with a 2.5 mm. circle.

All buildings shown on this survey are new buildings to be added or corrections to buildings which were misplaced on Topographic Map number T-5830. A section of this map is being submitted showing the location of five (5) buildings which are to be deleted.

This tracing is being submitted and the original plane table sheet retained in this office due to construction work still in progress on the shore line in South Yacht Basin. This area has been shown with a dashed line, which is the position of stakes driven for the top of a concrete revetment and approximately the mean high water line. Upon completion of construction, this shore line will be rechecked and plane table sheet inked and forwarded to Washington. Appropriate recovery cards, H & T cards and a list of Landmarks for Charts will be submitted with the sheet.

Approved and Forwarded:

Lieut. Comdr. J. C. Bose
Chief of Party

Respectfully submitted,

William A. Rasure
Photogrammetric Engineer.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

T7020

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. A-1945

REGISTER NO. T-7020

State FLORIDA

General Locality WEST COAST (TAMPA BAY)

Locality ST. PETERSBURG

Scale 1:5,000 Date of survey NOVEMBER, 1945

Vessel _____

Chief of party J. C. BOSE

Surveyed by WILLIAM A. RASURE

Inked by WILLIAM A. RASURE

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated MAY 4, 1945

Remarks: 7 Recoverable T. Sta. cards and 1 R. (Triangulation Sta.) card
on file

DESCRIPTIVE REPORT TO ACCOMPANY SHEET A-1945

Instructions dated 4 May 1945

Preliminary report submitted with tracing of topographic sheet.

General Description of Coast.

The area is on Tampa Bay, water front of St. Petersburg, Florida. The more prominent objects being the municipal pier to the north, Albert Whitted Airport in the center of sheet and U. S. Coast Guard Depot to the south. The two brick stacks of the Florida Power and Light Company and Municipal pier being the most prominent objects visible from seaward.

Landmarks and Non-Floating Aids to Navigation.

Seven (7) Landmarks for charts and six (6) non-floating aids to navigation were located and are submitted on Form No. 567; six of these are also on Form No. 524.

Chart letter 271 (1946)
Control.

U.S. Coast and Geodetic Survey triangulation stations were used for control. All stations used were intersection stations with the exception of CENTRAL, 1934.

Plane table positions were determined by graphic solution of the three point problem or resection. The work was started at the north west corner of the Central Yacht Basin and progressed southward. Positions of all prominent objects, both inland and seaward, were determined by intersection. The only traverse run was along the shoreline southwardly from the U.S. Coast Guard Depot. It was closed on a three point fix with no appreciable error. Excellent intersections were obtained on all objects located, and it is believed that this survey falls well within the required limits of accuracy. The shoreline was run in by planetable with the exception of the northern part of Central Yacht Basin and the Municipal pier. This area was taken from a single lens photograph, Ratio Print No. 45 C 2172 (approximate scale 1:2,500). Several identifiable points on the photograph were located by plane table and details were traced from the photograph by the use of the projector. Most of the buildings in the Maritime Training Station and along the west shore of Bayboro Harbor were located in the same manner.

Geographic Names.

No investigation was made of Geographic names and those shown on the sheet were taken from sheet T-5830 and are all well known names locally.

Comparison with previous Surveys.

Discrepancies between this survey and T-5830 were noted in the preliminary report. The main changes in the shoreline were in the northern and eastern limits of Albert Whitted Airport, and small area south of the U.S. Coast Guard Depot.

The airport was enlarged by pumping spoil from the bay. The greatest change is along the shoreline of the east side of the airport.

Respectfully submitted,

William A. Rasure.
William A. Rasure
Assoc. Photo. Engineer

Approved and Forwarded:

George E. Morris Jr.
Lt. Comdr. George E. Morris Jr.

NAUTICAL CHARTS BRANCH

SURVEY NO. T-7020

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

GEOGRAPHIC NAMES

Survey No. **T7020**

Name on Survey	<div>On Chart No.</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>
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