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Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

....., Director

State: Virginia

**DESCRIPTIVE REPORT**

Topographic }  
Hydrographic } Sheet No. 4492

LOCALITY

Norfolk

Craney Island and Vicinity

1929-1930

CHIEF OF PARTY

R.F. Studds, H.E. Finnegan

G. & C. SULLIVAN  
L. & A.  
MAR 27 1930  
Acc. No.

DESCRIPTIVE REPORT

to accompany the

TOPOGRAPHIC SHEET "C" 4492

Revision Survey of Vicinity of Craney I., Norfolk, Va.

INTRODUCTION.

This survey was made according to verbal instructions given Lieutenant R. F. A. Studds, December 7, 1929.

This sheet comprises that part of Norfolk Harbor from Longitude  $76^{\circ} 21'$  to  $76^{\circ} 24'$  and between Latitudes  $36^{\circ} 52' 30''$  and  $36^{\circ} 54'$ .

This report covers the topographic work done in the survey of the above mentioned area.

SHORELINE, WHARVES, ETC.

A field comparison was not made with Topographic Sheet 3774. Photostatic copies were not requested of this sheet in the field.

A comparison was made in the office with Topographic Sheet 3774. Changes in the shoreline and wharf delineation were noted. Some of the more important changes are given in detail as follows:

The shoreline was found to have changed very little with the exception of the slough S.W. of Craney I. (Craney Island Creek). It was noted that this slough had filled considerably and that the marsh does not extend as far at the leads of the various smaller sloughs as is shown on Topographic Sheet 3774.

Several small wharves on the south side of Craney I. are now shown as "Dilapidated Wharves" or "Piling Only". These were compared with Chart 400 in the field.

CHARACTER OF CONTROL.

The control for this survey was furnished from previous triangulation in this locality.

METHODS EMPLOYED.

A traverse was run from  $\frac{1}{2}$  Craney I. West Base 2 (1903-1913) to  $\frac{1}{2}$  South (1919). Closing four meters short in distance and checking in azimuth. This error was not adjusted.

From  $\frac{1}{2}$  South (1919) a traverse was run to  $\frac{1}{2}$  Love (1929), resecting when possible on Craney I. Light House (1903-1919). This traverse checked in distance, with an error of seven meters in azimuth. This error was not adjusted. An offset traverse from the above traverse was run from Hydrographic Signal "Bar" to the lead of the slough S.W. of Craney I. (Craney Island Creek) and back, closing on Hydrographic Signal "Bar" six meters short in distance and checking in azimuth. This error was not adjusted.

ESTABLISHED LOCAL NAME.

The slough leading to the S.W. from Craney I. is known locally as "Craney Island Creek".

GENERAL.

Stakes marking a narrow dredged channel to the Quarantine Station Dock, Craney I., were located by intersection. A range for this channel built by the keeper of the Quarantine Station was also located and is shown on the topographic sheet. This was not considered by the topographer as an aid to navigation as it is maintained by the keeper of the Quarantine Station. It consists of an electric light on each of two small poles approximately 140 meters apart. This range is only good for night running as it is difficult to pick up at any distance in the day time.

A list of plane-table positions of permanent objects is attached to this report.

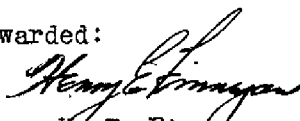
$\frac{1}{2}$  Sewells Point Channel Front Range (1919) has been removed,  $\frac{1}{2}$  Norfolk Channel Rear Range (1919) and  $\frac{1}{2}$  Sewells Point Channel Rear Range (1919) have been rebuilt. These beacons stand in practically the same positions and were checked satisfactorily by plane-table.

Submitted



L. W. Swanson,  
Aid, U.S.C. & G. Survey,  
Topographer.

Forwarded:

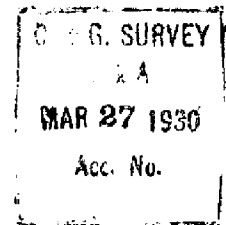


H. E. Finnegan,  
Jr. H. & G. E., U.S.C. & G. Survey  
Chief of Party.

tr

Form 537a

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY



REG. NO. 4492

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 Letter "C"

REGISTER NO. 4492

State Virginia

General locality Norfolk, Va.

Locality Craney Island, and Vicinity  
~~Elis. River~~

Scale 1:10,000 Date of survey Dec. '29 - Jan. '30 19

Vessel Launch #65 - Norfolk Shore Party

Chief of Party R.F.A. Studds - Henry E. Finnegan

Surveyed by L.W. Swanson

Inked by L.W.S.

Heights in feet above to ground to tops of trees

Contour Approximate contour Form line interval feet

Instructions dated Verbal instructions to Chief of Party

Remarks: