

4090

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AGENCY

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *Virginia*

11-5613

DESCRIPTIVE REPORT.

Hyd. Sheet No. *4090*

LOCALITY:

*Approaches to
Chesapeake Bay*

1919

CHIEF OF PARTY:

Serau, H. A.

4090

DESCRIPTIVE REPORT
to accompany
HYDROGRAPHIC SHEET NO
APPROACHES TO CHESAPEAKE BAY.
H. A. Seran, H. & G. Engineer,
Chief of Party.

This sheet covers the line run to the 100 fathom curve and the inshore line, a portion of which comes off the limits of the 40,000 sheet.

The work is precise dead-reckoning. In depths to 25 fathoms leadline and trolley gear were used. In greater depths the soundings are up and down casts, using the electric sounding machine and registering sheave. Bottom specimens were obtained at each cast with the sounding machine and were regularly of fine white sand with broken shells.

This work is all in the general vicinity of the work on the 40,000 sheet and attention is directed to the descriptive report accompanying that sheet for further details.

H. A. Seran,

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H. & G. Engineer.

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Hyd. 4090.

- The ~~foo~~ field plotting of the ships course was accepted unverified. The plotting of the 15 minute log readings and the soundings were verified.
- The 15 minute logs readings were plotted correctly except in two cases. The soundings were not so well done. The selection of ~~the~~ critical values was poor and the spacing — careless.

Respectfully submitted

E. K. Ellis

Drift

Craftsmen.

Dept. of War.

Gen. Staff Corps

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4090

State VIRGINIA.
 OFFSHORE
 General locality APPROACHES TO CHESAPEAKE BAY.
 Locality EAST OF CAPE HENRY.
 Chief of party . H. A. Seran, H. & G. Engineer.
 Surveyed by Party of Ship Bache.
 Date of survey . July - October 1919.
 Scale 1:80,000.
 Soundings in . Feet.
 Plane of reference 4.2 on staff at Assateague Anchorage.
 Protracted by S.M. Ferguson Soundings in pencil by R. D. Horne.
 Inked by Verified by
 Records accompanying sheet (check those forwarded):
 Des. report, _____ Tide books, _____ Marigrams, _____ Boat sheets,
 _____ Sounding books, _____ Wire-drag books, _____ Photographs.
 Data from other sources affecting sheet

Remarks: