

6820

U. S. COAST & GEODETIC SURVEY

LIBRARY AND ARCHIVES

MAY 16 1941

Acc. No.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

LYNNHAVEN INLET

Cape Henry Virginia

April 21, 1941

SCALE 1 : 5000

SHIP OCEANOGRAPHER

Fred. L. Peacock Chief of Party, C&GS

6820

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. --

REGISTER NO. T6820

State Virginia

General locality Cape Henry

Locality Lynnhaven Inlet

Scale 1:5000 Date of survey April 21, 1941

Vessel Ship OCEANOGRAPHER

Chief of party Fred. L. Peacock

Surveyed by Dale E. Sturmer

Inked by Dale E. Sturmer

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

Contour, Approximate contour; Form line interval -- feet

Instructions dated March 21, 1941

Remarks:

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

LYNNHAVEN INLET

CAPE HENRY - VIRGINIA

April 21, 1941

INSTRUCTIONS:

This survey was executed in accordance with the Director's Instructions to the Commanding Officer, Ship OCEANOGRAPHER, dated March 21, 1941; File 22 mjc, 1995 OC 1.

SCALE:

The scale of this sheet is 1 : 5000

LIMITS:

As the purpose of this sheet is to locate the landmarks in the immediate vicinity of Lynnhaven Inlet, only a small area around the entrance of the inlet where the highway and railroad bridges cross, is shown.

CONTROL:

Horizontal control consisted of triangulation stations HYGEIA INN 1929 and VAN, 1941. Station VAN was located by a 3-point fix. (See Progress Sketch for triangulation of April, 1941 of this area).

SURVEY METHODS:

Standard planetable survey methods were used throughout. This sheet was done in advance of the 1941 control so the projection was constructed on the sheet after the field work was completed.

HIGH WATER LINE:

In the construction of the highway bridge approach, fills were made at each end of the bridge which changed the high water line. So on this sheet the new high water line was carried back far enough to make a connection with the old shoreline.

BRIDGES:

The highway bridge is of recent construction, is two-lane with a 23-foot roadway, and is made of concrete. The draw is a single leaf bascule type and is power operated. The horizontal clearance is 31.5 feet and the vertical clearance when closed is 5.3 feet above mean high water.

The railroad bridge, which appears to have been there a good many years and is probably shown on previous topographic surveys of this area, is of the trestle type. The draw is horizontal swing type, pivoting on the western end, and is hand operated. The horizontal clearance when open is 28 feet, and the vertical clearance when closed is 3.5 feet above mean high water.

LANDMARKS:

The landmark recommended for charting is the northerly counterbalance of the highway draw span. The points shown on the sheet are the centers of the counterbalances. The height of the counterbalances is 33 feet above mean high water. The twin power poles shown on the sheet, while conspicuous close to, are liable to be confusing offshore.

OCT 28 1949

C. B.

J. a. m.

✓ Bridge
File Card
prepared
6-19-53
HMA

COMPARISON WITH PREVIOUS SURVEYS:

It will be noted that the present highway bridge is north of the railroad bridge instead of south as shown on Chart 481.

✓
correct on
latest print

Respectfully submitted,

Dale E. Sturmer

Dale E. Sturmer, Ensign, C&GS,
U.S.C. & G.S.S. OCEANOGRAPHER.

Approved and forwarded:

Fred. L. Peacock
Fred. L. Peacock,
Chief of Party, C&GS.

Remarks.

Decisions

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3	For title	"
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GEOGRAPHIC NAMES

Survey No. **T6820**

Name on Survey	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A,	B,	C,	D	E	F	G	H	K
<u>Chesapeake Bay</u>									1
<u>Lynnhaven Inlet</u>									2
<u>Cape Henry</u>									3
Names underlined in red approved by L. Heck on 8/18/41									4
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MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOGRAPH OF~~

~~Mount~~

No. T **T6820**

{ received May 15, 1941
registered June 5, 1941
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	T. B. Reed
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✓ *TBR*

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6820

Virginia, Cape Henry, Lynnhaven Inlet
Surveyed April 1941; Scale 1:5,000
Instructions dated March 21, 1941

Plane Table Survey

Aluminum Mounted

Chief of Party - F. L. Peacock
Surveyed by - D. E. Sturmer
Inked by - D. E. Sturmer
Reviewed by - R. H. Carstens
Inspected by - H. R. Edmonston, May 19, 1943

1. Adjoining Surveys

The present survey is isolated and makes no junction with any other survey.

2. Comparison with Prior Surveys

- a. T- 507 (1852) 1:20,000
T- 753 (1859) 1:20,000
T-1659 (1884) 1:20,000

The shoreline on the west side of Lynnhaven Inlet has receded southwestward as much as 250 meters since these prior surveys were accomplished. The present survey is adequate to supersede them within the common area.

- b. T-2699 (1905) 1:20,000
T-3647 (1916) 1:30,000

Topographic detail in this area has been changed, since the prior surveys were made, by the construction of a highway bridge and its approaches. Therefore, the present survey should supersede the earlier surveys within the common area.

3. Comparison with Chart 481 (Latest print date 1-9-43)

The charted topography originates with the present survey and is correctly charted.

4. Condition of Survey

Satisfactory.

5. Superseded Surveys

T- 507 (1852) in part
T- 753 (1859) " "
T-1659 (1884) " "
T-2699 (1905) " "
T-3647 (1916) " "

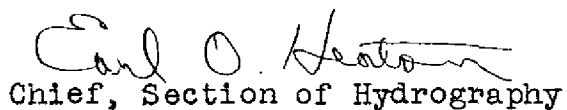
Examined and approved:



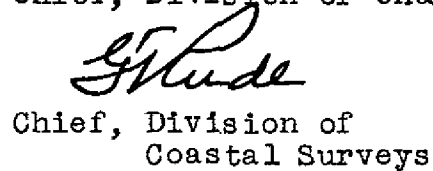
Chief, Surveys Branch



Chief, Division of Charts



Chief, Section of Hydrography



Chief, Division of
Coastal Surveys