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Diag. Cht. No. 77-4

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC
Field No.	C & D Office No. 6961a.&b
LOCALITY	
State	MARYLAND
General locality	PATUXENT RIVER
Locality	Town Point to Sotterley Point (C) Town Point to Broome Island (D)
194 43	
CHIEF OF PARTY	
Thos. R. Reed	
LIBRARY & ARCHIVES	
DATE June 15, 1944	

B-1870-1 (1)

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Applied to Cht. 553, before V. & R., 8-14-44. X.C.K.

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. C

REGISTER NO. **6961a**

State MARYLAND

General locality Patuxent River

Locality Point Patience

Scale 1:10,000 Date of survey October, 1943

Vessel M. V. COWIE

Chief of party Benjamin H. Rigg

Surveyed by William B. Page

Inked by Joseph E. Waugh & George E. Russell, Jr.

Heights in feet above MHW to ground ~~to tops of trees~~

~~Contours Approximate contours. Foot line interval 100 feet~~

Instructions dated September 11, 1943

Remarks: _____

DESCRIPTIVE REPORT

To Accompany Topographic Sheet

c

Patuxent River, Md. Project CS-307

Instructions. This survey was made in accordance with instructions dated September 11, 1943.

General. This sheet is devoted mainly to graphical triangulation for Control of Hydrographic Sheet No. H-6877, ⁽¹⁹⁴³⁾ in the Patuxent River, Md., vicinity of Town Point to Broome Island.

A small amount of shore line was run to show recent construction changes, vicinity of Lat. 38-19.8, Long. 76-28.2; to Lat. 38-19.9, Long. 76-28.7. *Applied to air photographic survey T-8543 (1942-73)*

Landmarks for Charts. Landmarks for charts are covered in a separate report on this subject by the Chief of Party.

Control. Control was provided by 2nd and 3rd order triangulation. Signals were located by graphical triangulation. Work at the southern end of the sheet was carried out ahead of the triangulation. The discrepancy between the graphical control positions and the triangulation positions were well within the allowable limit. No traverses were run on the sheet.

Location of Special Ranges. The Naval Authorities of this area made use of certain special ranges, which are not adaptable to navigational purposes. These are listed below.

1. A Front and Rear Range located on a shoal in the vicinity of Lat. 38-21.3, Long. 76-29.2.
2. Signals "Your" and "Wake" are Rear and Front Range markers in the vicinity of Lat. 38-20.8 Long. 76-28.4.
3. Two small range markers on Point Patience. Lat. 38-19.9 Long. 76-28.9
4. Signals "Gar" and "Kind" are Front and Rear Range markers in the vicinity of Lat. 38-19.4 Long. 76-29.3.
5. Signals "Vale" and "Job" are Front and Rear Range markers in the vicinity of Lat. 38-19.4 Long. 76-29.4.

Signals. Signals of permanent nature are described on form 524. A list of these are as follows.

Gun 1943 (Hydrographic name is Nine.)	Pull 1943
Rate 1943	Day 1943
Epic 1943	

A list of signals which were located both by air-photo radial plot and by graphical triangulation is given below. The Hydrographic name is given in all cases.

Cad	Full	Pull	Stack
Cot	Lay	Quit	Up
Dark	Nine	Sex	

There are twelve signals located outside the H.W.L.. A list of these signals follows and a brief identification note is given.

Entford is a triangulation station (intersection) and consists of a pole target on a duck blind, named "Berton 1943".

Dark --- Flag on the end of a deck.

Doc ---- S.W. Corner of a dock.

Full --- Cloth on piling on N.E. corner of dock.

Gar --- Front Range marker.

Gas --- Small shack on end of dock.

Job ---- Rear Range marker.

Pit ---- Group of six piles. (This group, is about 8 ft. in diam.)

Too ---- "Point Patience Light 1943", Tri. Intersection Station.

Vale --- Front Range Marker.

Wake --- Front Range Marker.

Your --- Rear Range Marker.

Respectfully Submitted,

William B. Page
William B. Page
Jr. H. & G. Engr.

Thos B Reed

Approved; Lt. Comdr. Thos. B. Reed
Chief of Party

The present survey has been applied to air photographic survey T-8543 (1942-43) a comparison has been made with contemporary hydrographic surveys. No further review by the Hydrographic Survey section is necessary at the present time.

R. H. Carstens
4/22/47

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. D

REGISTER NO. 6961b

State Maryland

General locality Patuxent River

Locality various short section of shore line not shown on
air photographic surveys

Scale 1:10,000 Date of survey November & December 1943

Vessel M. V. COWIE

Chief of party Benjamin H. Rigg

Surveyed by William B. Page

Inked by William B. Page

Heights in feet above MHW to ground ~~XXXXXX~~

~~Contour, Approximate contour, For a line interval, XXXX feet~~

Instructions dated September 11, 1943

Remarks: _____

DESCRIPTIVE REPORT

To Accompany Topographic Sheet d

Patuxent River, Md. Project CS-307.

Instructions. This work was done in accordance with instructions from the Director dated September 11, 1943.

General. This sheet is not a complete topographic survey or a graphical control sheet. It is intended only to supply certain sections of the shoreline in small creek tributaries of the Patuxent River, for the Air-Photo Radial Plots.

Due to clouds and overhanging trees, there are small sections of shore line which could not in some cases be traced from the photographs. To obtain these sections, it was necessary to rod in the H.W.L. with the plane table and telemeter rods.

Control. There is no projection or triangulation control for this sheet. Signals established by air-photo radial plot were used as control points and all shore line was located by telemeter rod shots from these points or setups established from these points.

System of Identification. Each creek or section of creek is blocked out within a rectangle. Each rectangle has a letter in the upper right hand corner by which it may be referred to. It also contains the Latitude and Longitude position, Aerial Photograph Number and Hydrographic Sheet Number upon which the creek may be found.

The shore line sections may be oriented by placing a tracing of the signals and shore line on the Aerial Photograph plot or Hydrographic Survey sheet so that the position of the signals correspond.

Sections c,d,e,f,g,h, and j have only signals determined by Air-Photo Plot.

Sections a and b have some additional signals which were located only by telemeter rod shots. These additional signals will not be found on the Air-Photo Compilation Sheets. The signals which are to be used for orientation of the shore line on sections a and b may be identified by the letter P which is placed beside the signal on the sheet.

Respectfully submitted,

William B. Page
William B. Page
Jr. H. & G. Engr.

Thos B. Reed
Approved; Lt. Comdr. Thos. B. Reed
Chief of Party

The present survey has been applied to T-8543 & T-8544 (1942-43) & comparison has been made with contemporary hydrographic surveys. No further review by the Hydrographic Surveys Section is necessary at the present time.

R.H. Carstens
4/22/47

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

No. H
No. T

T6961

raf

received
registered
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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