

7077a&b

Graphic Control

Diag. Cht. No. 1222-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

PBS-E-49

T-7077 a

Field No. PBS-A-50

Office No. T-7077 b

Graphic Control

LOCALITY

State VIRGINIA

General locality LOWER CHESAPEAKE BAY

Locality OLD POINT COMFORT - BUCKROE BEACH -
GRANDVIEW

194 50

CHIEF OF PARTY

G. R. Fish

LIBRARY & ARCHIVES

DATE

DEC 4 1953

B-1870-1 (1)

7077a&b

Graphic Control

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

Registry No. _____

PBS-E-49

Field No. _____

PBS-A-50

Scale 1:10,000

State VIRGINIA General locality LOWER CHESAPEAKE BAY

Specific locality OLD POINT COMFORT - BUCKROE BEACH - GRANDVIEW

Dates: Survey began 24 May 1949 Completed 19 April 1950

Photography _____, Supplemented by ground surveys to _____

Project No. CS-326 Instructions dated 26 July 1948

Vessel } or PARKER, BOWEN, STIRNI Chief of party G. R. Fish
Party } R. H. Tryon, Jr.

Field work by S. L. Hollis, Jr. Office work by S. L. Hollis, Jr.

Final inking by S. L. Hollis, Jr.

Ground elevations } in feet above { M. H. W.
Treetop elevations } { or
 } { _____

Contours } by { Planetable } Interval _____ ft.
Approximate contours } { Multiplex }
Form lines } { _____ }

REMARKS Sheets are primarily a graphic control for use of Hydrographic Survey

DESCRIPTIVE REPORT
TO ACCOMPANY

GRAPHIC CONTROL SURVEY T-

(Field No. PBS - E - 49)

(Field No. PBS - A - 50)

Scale - 1:10,000

G. R. Fish, Chief of Party

Ships PARKER, BOWEN, STIRNI

A. PROJECT:

Project CS-326, Instructions dated 26 July 1948, reference 222/MEK, S-2-PK-BO-ST.

B. SURVEY LIMITS AND DATES:

This is primarily a graphic control survey made for control of the inshore hydrographic survey of the western side Chesapeake Bay from Old Point Comfort to Back River.

Sheet No. PBS-E-49 was surveyed in May 1949 by Lt. Comdr., R. H. Tryon, Jr. and Sheet No. PBS-A-50 was surveyed in April 1950 by Ensign S. L. Hollis, Jr.

C. CONTROL:

^{7-7077a}
Sheet PBS-E-49 is controlled by Triangulation Stations PARROTT 1939, SEAWALL 1944, RUGGLES 1939, EVANS 1939, NORTH BUCKROE (USE) 1939, THIMBLE SHOAL LIGHTHOUSE 1919, 1929, OLD POINT COMFORT LIGHTHOUSE 1866, 1944, FORT MONROE, IRON SIGNAL TOWER 1906, 1943.

^{7-7077b}
Sheet PBS-A-50 is controlled by Triangulation Stations NORTH BUCKROE (USE) 1939, GRANDVIEW 1932, FOX HILL MUNICIPAL WATER TANK 1939, BACK RIVER LIGHTHOUSE 1852, 1932 and FIR 1947. In addition an azimuth line from NORTH BUCKROE (USE) 1939 to THIMBLE SHOAL LIGHTHOUSE 1919, 1929 was plotted on the sheet eccentrically to provide a check line.

D. SURVEY METHODS:

The graphic control was accomplished by standard methods. Some signals were located by cuts and rod readings either from Triangulation Stations or 3-point plane table fixed. Traverses were run elsewhere.

T-7077 a

There are two (2) traverses on Sheet PBS-E-49. One of 1800 meters from RUGGLES to EVANS closed 2 meters in distance. The second traverse of 2250 meters from EVANS to NORTH BUCKROE (USE) closed 5 meters in distance. Necessary adjustment of signals was done in the field.

There are two (2) traverses on Sheet-PBS-A-50. One of 2800 meters from NORTH BUCKROE (USE) to GRANDVIEW closed 5 meters in distance. The second traverse of 1300 meters from GRANDVIEW to a 3-point fix, using FOX HILL, BACK RIVER LIGHTHOUSE and FIR closed 3 1/2 meters in distance. Necessary adjustment of signals was done in the field. ✓

E. AUXILIARY SURVEY METHODS:

At the request of the Supervisor of the Southeastern District a new pier at Latitude 36 02.45', Longitude 75 17.37' on Sheet PBS-E-49 was located by taping and sextant fixes, using topographic signals. The pier was carefully plotted and inked on the topographic sheet. ✓

F. FORM LINES:

No form lines or contours are shown on these sheets. ✓

G. REVISION:

Existing topographic surveys are from a radial line air photo plot controlled by field identification of the existing Triangulation on photographs. Film positives "blown up" to a 1:10,000 scale were furnished this party. The present survey relocated one of the recoverable topographic stations established when the work was accomplished in 1943. Topographic station Buc, 1943, Sheet PBS-E-49 (T-7077a) was checked in the field by rodding in from one of the plane table set ups. Topographic station Fox, 1943, Sheet PBS-A-50 was searched for but not found. T-7077b

The pier previously described (E) does not appear on Sheet T-8314. ✓

H. ADDITIONAL WORK:

This survey is considered complete as a graphic control survey. Any discrepancies from previous work are discussed in the report. No comparison with chart 1222 was made. Form 567, LANDMARKS FOR CHARTS has not been submitted as those objects most prominent are classified information. ✓

I. DEVIATIONS FROM STANDARD PRACTICE:

The graphic control was accomplished by standard methods except as noted in this work. ✓

J. JUNCTIONS:

This survey does not make a junction with contemporary control sheets. ✓

K. LIST OF NEW NAMES:

No field investigation of Geographic ones was accomplished in the field. ✓

L. STATIONS LIST OF PLANE TABLE POSITIONS:

Topographic cards have been submitted on all recoverable plane table positions. Stations for which cards have been submitted are:

1. ABE	8. GAR	15. PAV
2. BAT	9. HIM	16. RUG
3. BEL	10. IDA	17. SHED
4. BUC	11. JIG	18. TAL
5. CIN	12. LAX	19. TOP
6. DAW	13. LAS	20. TON
7. FOG	14. MAN	21. VAN

 ✓

Respectfully submitted

S. L. Hollis Jr.
S. L. Hollis, Jr.
Ensign, USC&GS

Approved & Forwarded:

G. R. Fish
G. R. Fish
COMDR., USC&GS
Comdg. Ships PARKER,
BOWEN, STIRNI

This graphic control sheet has been compared with contemporary hydrographic surveys. No further review by the hydrographic section is necessary at the present time.

A. R. Stirni 11/23/55