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U. S. COAST AND GEODETIC SURVEY
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: VIRGINIA

DESRIPTIVE REPORT

Topographic } Sheet No. B 4798
Hydrographic }

LOCALITY

ASSATEAGUE ANCHORAGE

1933

CHIEF OF PARTY

Ray L. Schoppe

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director.

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET
NO. B
ASSATEAGUE ANCHORAGE
VIRGINIA

U.S.C. & G.S.S. LYDONIA.
Ray L. Schoppe,
Commanding.

PLANE TABLE POSITIONS TO ACCOMPANY TOPOGRAPHIC SHEET #B

VIRGINIA, 1933

OBJECT & DESCRIPTION	LAT	D.M.	LONG	D.P.	HEIGHT	REMARKS
	o °	Meters	o °	Meters	Feet	
Boathouse	37-52	891.2	75-21	380.7	10	East Gable, Center, Top.
Fish Factory Elevator	37-52	47.1	75-22	75.8	40	Top Center Of Bldg.
Drill Pole	37-51	1412.5	75-22	93.2	40	Center
Flag Pole	37-51	1499.3	75-22	156.5	65	Center
Fishing Pt. Lt.	37-52	1135.3	75-23	390.8	15	Lt.

Copy "A"

Work on this sheet was done in accordance with instructions dated April 27, 1933, Project # 143.

A shore party from the ship LYDONIA arrived in Ocean City, Maryland, on April 17th, 1933 to build signals for hydrographic control for the field season. The party consisted of seven men and the officer in charge. Truck # 158 was assigned for its use.

Topography was done in conjunction with signal building and was for the primary purpose of photo-topographic control.

A 1:20,000 topographic sheet was completed to Lat. $37^{\circ}55'$, Long. $75^{\circ}19'$ on the south, and a 1:10,000 sheet was continued southward from this point along the outer beach to Fishing Point. Work was stopped because it became evident that the shore control was then in advance of what the ships would be able to use during the current season.

No hydrography was done from the control furnished by this sheet, and the work is being submitted for its value in photo-topographic and beach erosion work only.

The prominent, and only, landmarks along the coast are the Assateague Light House; Assateague Coast Guard Station; and the fish factories on Fishing Point, all of which are shown on Coast & Geodetic Survey Charts Nos. 1220 and 1221. There are no natural identifying characteristics along this section of the coast.

Topographic control was based upon triangulation as follows: Assateague Light House 1849; Assateague Anchorage Light House 1909; and Assateague Coast Guard 1933.

All errors were very small, and appreciably under the allowable. They were adjusted on the sheet by the usual method.

A 100 meter wire was used for measuring distance between plane-table set-ups.

The storm of August 23, 1933 destroyed all small hydrographic signals as well as many objects of a normally permanent nature. The shore line was changed somewhat during this storm but the degree of change can not be determined without a re-survey.

Ray T. Schopf.

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 Letter B

REGISTER NO.

State VirginiaGeneral locality Assateague Island.Locality Assateague AnchorageScale 1:10,000 Date of survey June, 19 33Vessel LYDCIA.Chief of Party Ray L. SchoppeSurveyed by D. H. KonichokInked by D. H. KonichokHeights in feet above to ground to tops of treesContour Approximate contour Form line interval feetInstructions dated April 27,, 19 33

Remarks: Done for photo-topographic control and location of
hydrographic signals only. Sheet not complete. See descriptive
Report.

REVIEW OF TOPOGRAPHIC SURVEY No. 4798

Title (Par. 56) *Assateague Island*Chief of Party *Ray L. Shoppe* Surveyed by *D.H. Konichak* Inked by *D.H. Konichak*Ship *Lydonia* Instructions dated *April 27, 1933* Surveyed in *June, 1933*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions.
3. The control and closures of traverses were adequate. (Par. 12, 29.)
4. ~~The amount of vertical control that the Manual specifies for contours-formlines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~
5. ~~The delineation of contours-formlines is satisfactory. (Par. 49, 50.)~~
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None submitted*
7. ~~High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)~~
8. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Reefs and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
Toms Cove Light was located by plane table on H 5714 and was transferred to this sheet by the reviewer
10. The span, draw and clearance of bridges are shown. (Par. 16c.) *No bridges shown*
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control. *Sheet submitted for its value in photo-topographic and beach erosion work only*
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.) *None submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *None shown*
18. The geographic datum of the sheet is *N.A. 27 (Adjusted)* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
Joins T 5797 (1933)
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report ~~after review by~~
24. Remarks: *This is not a complete survey (See par. 14) Fishing point is continually building up in a WNW direction*

Reviewed in office by *Chas P. Bush* May 5 1936

Examined and approved:

E. H. Green
Chief, Section of Field Records

L. O. Zolhut
Chief, Division of Charts

Frederic L. Peacock
Chief, Section of Field Work

Stude
Chief, Division of Hyd. and Top.