

6855

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic }
~~Hydrographic~~ } Sheet No. B

State MARYLAND

LOCALITY
CHESAPEAKE BAY
COVE POINT, MARYLAND

193 41

CHIEF OF PARTY
H. Arnold Karo

5000

| | | | | | | |
|-----------|----|------|------|---|--------------|--------|
| Appelbaum | to | char | 539 | - | Apr. 1942 | J.K.S. |
| " | " | " | 1224 | " | " | S.L.S. |
| " | " | " | 1225 | | Aug. 6, 1942 | J.K.S. |
| " | " | " | 553 | | 9-2-42 | X.R. |

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. B

REGISTER NO. **T6855**

State MARYLAND

General locality CHESAPEAKE BAY

Locality COVE POINT

1:5,000

Scale 1:1,250 Date of survey September, 1941

Vessel Launch ELSIE III

Chief of party H. Arnold Karo

Surveyed by H. Arnold Karo

Inked by Robert M. Raeder

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

Contour, Approximate contour, Form line interval ----- feet

Instructions dated August 19, 1941

Remarks: -----

DESCRIPTIVE REPORT
to
Accompany Topographic Sheet No. B (Field)

Register No. T 6855 (1941)

Scale 1:5,000 and
1:1250

COVE POINT, MARYLAND.

Launch ELSIE III H. Arnold Karo, Chief of Party.

INSTRUCTIONS:

Work was executed under authority of the Director's letter 22 mjc, 1993 NO, dated August 19, 1941.

AREA AND LOCALITY:

This survey is of a local nature only, and covers the area indicated in the letter of the Navy Department H 1-18/EC 11/S81-6 (4-8)ND5 RGT: vrr, dated August 4, 1941. It consists of a detailed survey of the government reservation at Cove Point, Md., on a scale of 1:1,250 and a survey on a scale of 1:5,000 showing shoreline of the same area together with additional shoreline north and south of Cove Point in order that signals and shoreline might be used for the hydrographic survey which was requested by the Navy Department.

GENERAL DESCRIPTION OF COAST LINE:

The beach is sandy and has a width of from ten to fifty meters back of the high water line. The extreme storm water line has been indicated on the detailed survey of the Government Reservation. In the case of a hurricane or storm of exceptional velocity, the entire point probably would be inundated as the beach is low and sandy and is only a few feet above high water.

South of the Government Reservation, numerous summer houses have been built.

LANDMARKS:

No additional landmarks were located. The landmarks shown on chart #1224 are complete for the area of this chart.
survey

CONTROL:

Control for the sheet consisted of the station COVE POINT LIGHTHOUSE, 1848-1934. The azimuths from △ COVE POINT LIGHTHOUSE to △ CEDAR POINT LIGHTHOUSE and

▲ CEDAR POINT WATER TANK were computed and drawn on the sheet to provide orientation.

TRAVERSES:

Two closed traverses were run, one to the southern limit of the work and back, and one to the northern limit and back. The traverse to the south closed within two meters, which was adjusted, while the one to the north closed flat.

GENERAL REMARKS:

The 1:5,000 scale survey was made for the purpose of locating hydrographic signals to be used by the hydrographic party. The 1:1,250 scale survey was made for the purpose of providing a detailed topographic survey of the Government Reservation located at Cove Point, Md.

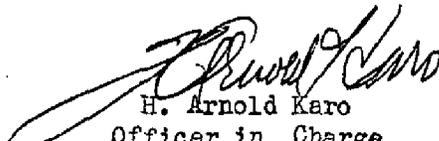
NAMES:

All names were taken from Chart No. 1224 and are in agreement with local usage.

STATISTICS: SOUNDINGS

| | | |
|-----------------------------|-----------|-----|
| Statute miles of Shore Line | - - - - - | 1.4 |
| Number of Signals located | - - - - - | 20 |

Respectfully submitted,


 H. Arnold Karo
 Officer in Charge
 Norfolk Processing Office

Norfolk, Va.
1st December, 1941.

Remarks

Decisions

| 1 | | 383763 |
|----|--|----------|
| 2 | | U.S.G.B. |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |

GEOGRAPHIC NAMES
 Survey No. **T6855**

| Name on Survey | A. On Chart No. | B. On previous survey No. | C. On U. S. quadrangle Maps | D. From local information | E. On local Maps | F. P. O. Guide or Map | G. Rand McNally Atlas | H. U. S. Light List | K. |
|---------------------------|-----------------------|---------------------------------|-----------------------------------|---------------------------------|---------------------|--------------------------|--------------------------|------------------------|----|
| <u>Cove Point</u> | | | | | | | | | 1 |
| <u>Chesapeake Bay</u> | | | | | | | | | 2 |
| <u>Gov't. Reservation</u> | | | | | | | | | 3 |
| | | | | | | | | | 4 |
| | | | | | | | | | 5 |
| | | | | | | | | | 6 |
| | | | | | | | | | 7 |
| | | | | | | | | | 8 |
| | | | | | | | | | 9 |
| | | | | | | | | | 10 |
| | | | | | | | | | 11 |
| | | | | | | | | | 12 |
| | | | | | | | | | 13 |
| | | | | | | | | | 14 |
| | | | | | | | | | 15 |
| | | | | | | | | | 16 |
| | | | | | | | | | 17 |
| | | | | | | | | | 18 |
| | | | | | | | | | 19 |
| | | | | | | | | | 20 |
| | | | | | | | | | 21 |
| | | | | | | | | | 22 |
| | | | | | | | | | 23 |
| | | | | | | | | | 24 |
| | | | | | | | | | 25 |
| | | | | | | | | | 26 |
| | | | | | | | | | 27 |

Names underlined in red app. 10.
 by L. Heck, 2/6/42

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT
 PHOTOSTAT OF

~~NO. 4~~
 No. T **T6855**

received Dec. 6, 1941
 registered Dec. 13, 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 |
|-------|--|---------|---------------------|
| 20 | | | |
| 22 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 30 | | | |
| 40 | | | |
| 62 | | | |
| 63 | | | |
| 82 | | | |
| 83 | | | |
| 88 | | | |
| 90 | | | |
| | | | |
| | | | |

RETURN TO

| | |
|----|------------|
| 82 | R. W. Knox |
|----|------------|

VPK

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTER NO. T-6855

FIELD NO. B

Maryland - Chesapeake Bay, Cove Point
Surveyed in September 1941, Scale 1:5000
Instructions dated August 19, 1941 (Director's Letter)

Plane Table Survey

Aluminum Mounted

Chief of Party - H. Arnold Karo
Surveyed by - H. Arnold Karo
Inked by - Robert M. Raeder
Reviewed by - Harold F. Stegman, Feb. 5, 1942
Inspected by - H. R. Edmonston

1. Adjoining Surveys

There are no contemporary topographic surveys adjacent to T-6855.

2. Prior Surveys

- a. T-256 (1848), T-281 (1847), and T-388(1852); scale 1:20,000.

A comparison with these surveys indicates that the high water line has receded about 50 meters, in the immediate vicinity of Cove Point Light House. The sand beach extending about 220 meters SSE of the Light House has advanced about 30 meters since the date of the early surveys.

- b. T-2861 (1907-08), scale 1:20,000

Northeast of Cove Point Light House the high water line has receded about 10 meters. The construction of a breakwater in the vicinity has apparently impeded the rate of erosion. The sandy point southeast of the light house has worn away about 50 meters. The shoreline northwest and southwest of Cove Point shows very little change.

3. Comparison with Chart 539 (Latest Print dated 9/17/41)

- a. Topography

Topography on the chart originates with planetable survey T-2861 (1907-08) considered in paragraph 2b above.

- b. Aids to Navigation

Cove Point Light House agrees with the position on the chart and Atlantic Coast Light List of 1941.

c. Magnetic Meridian

The observed magnetic deflection agrees closely with the charted value of 7°15' W.

4. Condition of Survey

Excellent. Since the position of Cove Point L. H. 1848-1934 has not been adjusted, it was necessary to use the unadjusted position. Comparison with adjusted triangulation in the vicinity indicates that the correction will be approximately +1.7 meters in latitude and +1.5 meters in longitude. This amount is appreciable on the 1:1250 scale insert.

5. Compliance with Project Instructions

Satisfactory.

6. Additional Field Work Recommended

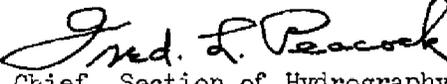
None.

7. Superseded Old Surveys

| | |
|------------------|----------|
| T-256 (1848) | In part. |
| T-281 (1847) | " " |
| T-388 (1852) | " " |
| T-2861 (1907-08) | " " |

Examined and approved:


Chief, Surveys Section


acting Chief, Section of Hydrography


Chief, Division of Charts


Chief, Division of Coastal
Surveys

