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U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R.S. Patton, Director

State: New York

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

Sheet No. J & K

4766

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LOCALITY

Southampton, New York to Montauk

Point, New York

1933

CHIEF OF PARTY,

A. P. Ratti, Lieut., U.S.C. & G.S.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEETS

J-K

SOUTHAMPTON, NEW YORK TO MONTAUK POINT.

Project No. HT-133-Party No. 5-A. P. Ratti, Chief of Party, 1933.

Authority--Director's instructions dated February 25, 1933.

Extent--These sheets comprise a survey of the ocean shore line from Southampton to Montauk Point and the Block Island Sound shore line from Montauk Point to Culloden Point.

Survey Methods--The entire territory was surveyed by the standard Coast Survey plane table methods. This survey was controlled by triangulation stations established and located by A. P. Ratti in 1933. Due to houses on the dunes near Southampton and East Hampton and also natural conditions in a few places, it was necessary to traverse along the beach for short stretches. However, wherever possible the plane table set ups were made on top of the sand dunes where it was possible to resect on triangulation stations. A one hundred meter wire was used for traversing and since frequent checks were possible, errors were negligible.

Description--The ocean coast line from Southampton to Hither Hills camp ground (opposite Conklin 2) consists of a quite wide sandy beach backed by a fairly continuous range of grassy sand dunes varying from about 10 to 30 feet in height. Many houses are on top of these dunes opposite the various towns along this stretch and also some scattered between the towns. Just east of East Hampton the sand dunes are quite low with a much higher range of wooded hills immediately behind.

From Hither Hills camp ground to Hither Plain Coast Guard Station the beach is sand and gravel and narrower with high grassy and bush covered hills in back. The ocean side of these hills is very steep, in places being almost a vertical bluff, but in practically all cases green with grass and brush. Back of this are the wooded "Hither Hills".

Opposite the town of Montauk is another short stretch of low sand dunes above which is seen a six story brick building very conspicuous among all the one and two story houses.

The eastern end of the island consists of a fairly high group of hills, many covered with scrub woods and small brush. The ocean shore line itself is outlined by an almost continuous line of high and eroded bluffs with a narrow and rocky beach below. Large boulders, awash at most stages of the tide, are prevalent along this stretch and small boats, unfamiliar with this territory, should be wary of going too close ashore as no doubt there are many sunken rocks outside the breaker line.

From Montauk Light to Culloden Point along Block Island Sound the shore line shows mostly grass and bush covered sand dunes and hills. Opposite Oyster Pond these dunes are quite low. The topographic sheet shows an inlet to Oyster Pond, but this is often filled up. When erecting signals for hydrography along here the beach was continuous. However, a few days later, after a severe storm, when the topographic survey was made, a natural channel with 3 or 4 feet of water was found.

The entrance to Montauk Yacht Harbor is protected by stone breakwaters with a white light on the end of the east and a red light on the west. About a half mile off shore and in line with the east breakwater is a red bell buoy.

REMARKS

Comparison with charts 52, 1211 & 1214 show no prominent changes.

STATISTICS

Topographic Sheet	: Area Surveyed in : : Square Statute Miles:	: Length of Shoreline : Surveyed in Statute Miles
J	: 17.5	: 17.5
K	: 24.5	: 22.5

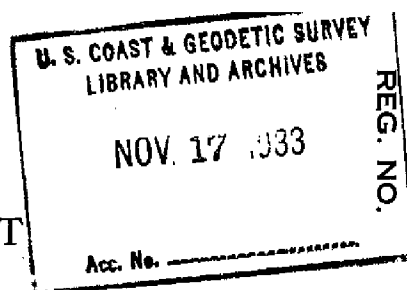
Respectfully submitted.

Daniel S. Ling
Surveyor.

Approved

A. P. Rath
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



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. J 4766

REGISTER NO.

State New York
General locality Long Island County
Locality Easthampton to Southamptons p.m. 111, New York
Scale 1-20,000 Date of survey August-September, 1933
Vessel Party No. 5
Chief of party A. P. Ratti
Surveyed by D. S. Ling
Inked by D. S. Ling
Heights in feet above _____ to ground to tops of trees
Contour, Approximate contour, Form line interval _____ feet
Instructions dated _____ February 25 _____, 1933.
Remarks: Aerial photographic survey of this territory
has been made

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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NOV 17 1933

REG. NO.

4767

Acc. 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. K 4767

REGISTER NO.

State New York

General locality Long Island

Locality Montauk Point to Easthampton Pt. Point, New York

Scale 1-20,000 Date of survey Sept.-October, 1933

Vessel Party No. 5

Chief of party A. P. Ratti

Surveyed by D. S. Ling

Inked by D. S. Ling

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated _____ February 25, 1933

Remarks: Aerial photographic survey of this territory has been made

REVIEW OF TOPOGRAPHIC SURVEY No. ⁴⁷⁶⁶4767

Title (Par. 56) ^{East Hampton to Southampton}
~~Southampton to Montauk Point~~ Long Island, New York
 Chief of Party *A. P. Ratti* Surveyed by *D. S. Ling* Inked by *D. S. Ling*
 Ship *Shore party* Instructions dated *Feb. 25, 1933* Surveyed in ^{Aug-Sept}~~Sept.-Oct.~~ 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.)
None
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *None*
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.) *None shown*
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) ✓
Showing High water line only.
10. ~~The span, draw and clearance of bridges are shown.~~ (Par. 16c.)
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.
15. ~~The~~ ^{No} 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.)
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *Letter file 735/1933* ✓
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.)
18. The geographic datum of the sheet is *North American 1927* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate. ✓
High water line only, supplementing the aero-photo survey of this area.
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) *Only a few general features are named.*
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:

Reviewed in office by *R.J. Christman, Feb. 23, 1934*

Examined and approved:

L.O. Pollock
Chief, Section of Field Records

H.B. Borden
Chief, Section of Field Work

W.H. Pambour
Chief, Division of Charts

G.H. Hulse
Chief, Division of Hyd. and Top.