

5023

U. S. COAST & GEODETIC SURVEY  
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Acc. No.

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: New York.

DESCRIPTIVE REPORT

Topographic  
~~Hydrographic~~

Sheet No. T-5023.

LOCALITY

Hudson River.

Upper Nyack to Rockland

Lake Landing.

1933.

CHIEF OF PARTY

M. H. Reese.

U. S. GOVERNMENT PRINTING OFFICE: 1923

5023

For Field Inspection Report for This Sheet  
See Desc. Report T 5024

Descriptive Report to Accompany  
Air-photo Topographic Sheet T-5023.

General Information:

a. Date of Instructions- November 15, 1932.

b. Sheet data-

Projection by	M. H. R.	March 11, 1933.
Projection checked by	N. R. M.	March 11, 1933.
Control plotted by	N. R. M.	March 14, 1933.
Control checked by	E. M. N.	March 15, 1933.
Radial line plot by	N. R. M.	March 17-27, 1933.
Drafting of photographs by	N. R. M.	Apr. 1-May 2, 1933.

c. Statistics-

Area of sheet: 3.0 sq. statute miles.  
Miles of shoreline: 6.3 statute miles.

d. Reports affecting sheet-

Topography of shoreline by C. A. Egner, 1932. The information shown on the sheet is confined to the interpretation of the detail from the photographs. The field party did not make any descriptive notes on the field prints of the pictures as to the character of the country or changes in the shoreline that may have taken place since the pictures were taken.

e. Numbers, time, and date, of photographic flights-

15-379 - 406, 11:30 A.M., Sept. 4, 1930.  
15-233 - 242, 11:00 A.M., Sept. 4, 1930.  
15-454 - 457, 11:50 A.M., Sept. 4, 1930.

Control:

Sources-

1. Triangulation by C. A. Egner, 1932. Aluminum Control Sheets Field Nos. A. and B. by C. A. Egner, 1932.
2. Errors;  
Station Hook Mt. 2 was incorrectly located on the photographs. Station Bank was not located on the photographs and no sketch was furnished for it to be located by. Station Cliff was indefinitely located on the photographs.

Compilation:

a. Method-

The radial line plot as applied to single lens photographs was used throughout the sheet.

b. Adjustment of plot-

Considerable difficulty was experienced in making the plot due to the triangulation stations being incorrectly located on the photographs and one station not being on the photographs.

Compilation: (continued),

c. Interpretation-

The crest of the palisades are shown with a special symbol. Notes are so placed as to explain the meaning of the symbol. In some instances there are bluffs and quarries between the shoreline and the crest of the palisades.

d. Information from other sources-

The shoreline was traced from Aluminum Sheets Field Nos. A. and B.

e. Comparison with other surveys-

Satisfactory junctions were obtained with air-photo sheets T-5021 and T-5024. The detail as traced from Field Sheets A. and B. agrees very well with the detail located by air-photo compilation.

Landmarks:

Landmarks for this area were submitted by the field party of 1932.



M. H. Reese,  
Lieut.(j.g.), C. & G. Survey.

*photo*  
REVIEW OF TOPOGRAPHIC SURVEY No. 5023

Title (Par. 56)

Chief of Party *M. H. Keese*

*Compiled*

Surveyed by *N. K. M.*

Inked by *N. K. M.*

*New York compilation Party*  
~~Ship~~

Instructions dated *Nov. 15, 1932*

*Photographs taken Sept. 4, 1930*  
~~Surveyed in~~

- ✓ 1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 16, 16.)
- ✓ 2. The character and scope of the survey satisfy the instructions.
3. The control and ~~closures of traverses~~ *adjustments of the radial plot* were adequate. (Par. 12, 29.)  
*See remarks on reverse side this page.*
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. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
- ✓ 10. The span, draw and clearance of bridges are shown. (Par. 16c.) *none*
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.

1. Control and adjustment of the plot. Due to the lack of ground control the plot is considered as weak and liable to error in the area north of lat.  $41^{\circ}-07.4'$  and west of long.  $73^{\circ}-55'$ . The descriptive report does not discuss the adjustment of the radial plot in sufficient detail.

2. Date of survey: In the absence of field inspection notes (see par. d., page 1, desc. report.) this sheet must be considered as of Sept. 4, 1930, the date on which the photographs were taken. A more recent survey of the shoreline is shown on T4700 and T4701 of 1932. This sheet is the most recent survey of the detail inshore from the high water line and includes sheets T4700 and T4701.

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. *not sufficient discussion of the adjustments of the radial plot in the areas of insufficient ground control*
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) *None submitted - see remarks on reverse side of this sheet.*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *Submitted by the party of C. A. Egner, 1932*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *None shown*
18. The geographic datum of the sheet is *North American* and the reference station is correctly noted. (Par. 34.)
19. Junctions with contemporary surveys are adequate.
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) *See reverse side of this page*  
*See notes by H.B. on reverse side of this page*
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 *B. G. Jones*

Examined and approved:

*K. T. Adams*  
Chief, Section of Field Records  
*L. O. Abbott*  
Chief, Division of Charts

*H. B. Gordon*  
Chief, Section of Field Work  
*G. H. de*  
Chief, Division of Hyd. and Top.

### 3. Descriptions of recoverable topographic relations

No descriptions of recoverable topographic relations were submitted with this sheet. Recoverable topographic relations shown on this sheet are shown also on T4700 and T4701, 1932 and are described either in the descriptive reports for these sheets or on form 524 filed under numbers T4700 and T4701.

(4) geographic names No authority was given in the disc. report for the name ~~town~~ "Trough Hollow" shown for the town at the north end of this sheet. That name has, therefore, been changed to "Rockland" to agree with the chart.

"Trough Hollow" is found on U.S.G.S. Tarrytown Quad., and applies to the trough or gap through the ridge at this point. H.B. Sept 10, 1934.

The name of the town is Rockland Lake,  
(See U.S. Geol. Sur. Map and Postal Guide)

The name Upper Nyack should be placed near lat.  $41^{\circ}06'$ . Title should be corrected.

Names for the Park will be given when investigation has been completed. (See Top 4700)

H. Bacon

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REG. NO.

Acc. No. T-5023

AIR PHOTO 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. ....

REGISTER NO. T-5023.

State New York

General locality Hudson River.

Locality Upper Nyack to Rockland Lake Landing.

Scale 1:5,000 Date of photographs- Sept. 4, 1930.  
Date of compilation May 2, 1933.

~~Used~~ Photographs taken by the Aerotopograph Corp. of America.

Reviewed and recommended for approval

Chief of party ~~Compilation~~ M. H. Reese May 20, 1933.

Photographs plotted by N. R. McLeod March 27, 1933.

Inked by N. R. McLeod May 2, 1933.

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

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

Instructions dated November 15, 1932.

Remarks: Compilation of aerial photographs Nos., 15-379 - 406,

15-233 - 242, 15-454 - 456. Reduced to scale and printed by.  
photo lithographic process. ...

Polyconic projection by M. H. Reese March 11, 1933.

Projection verified by N. R. McLeod March 11, 1933.

Control plotted by N. R. McLeod March 14, 1933.

Control verified by E. M. Noon March 15, 1933.