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

State: New York.

DESCRIPTIVE REPORT

Topographic Sheet No. 5023.

LOCALITY

Hudson River.
Upper Nyack to Rockland
Lake Landing.

1933.

CHIEF OF PARTY

M. H. Reese.
For Field Inspection Report for This Sheet
See Descriptions 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—
   15-233 = 242, 11:00 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 photo-
   graphs 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.
Title (Par. 56)

Chief of Party M. H. Keener Confirmed
Surveyed by N. K. M.
Inked by N. K. M.

Newspaper Confirmed
Ship

Instructions dated Nov. 15, 1932
Photographed left, 1932
Surveyed in

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 9, 8, 9, 16, 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.)

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.)

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 unable to render in the area north
of lat. 41°-074' and west of long. 73°-55'. The
descriptive report does not discuss the
adjustment of the control plot in sufficient
detail.

2. Date of survey. In the absence of field verification
notes (see para. 1, page 1, disc. extant), this chart
must be considered as of date 4, 1930, the date
on which the photographs were taken. A more recent
survey of the whole area is shown on T4700 and T4701
of 1932. This chart is the most recent survey of
the district north from the high-water line and
southeast, 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, 52.)

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. (Par. 58, 60.) This information is essential in the preparation of the final sheet.

15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 58 except scaling of DPs). No written notes (Par. 45, 46) were made on any recoverable stations.

16. A list of landmarks for charts was furnished on Form 567 and plotted checked. (Par. 15d, e, 60.) No written notes were made on any recoverable stations.

17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) No written notes were made on any recoverable stations.

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, 65.) The sheet has been noted by the Chief, Division of Charts, and the Chief of Field Records.

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.

24. Remarks:

Reviewed in office by T. G. Jones

Examined and approved:

K. T. Adams
Chief, Section of Field Records

L. O. Andrews
Chief, Division of Charts

R. L. Brandt
Chief, Section of Field Work

H. W. Miller
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 within in the descriptive reports for those sheets or on Form 524 filed under Numbers T4700 and T4701.

(4) Geographic Names. No authority was given in the descriptive report for the name "Hook 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.

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

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

The name Upper Nyack should be placed near lat. 41°06', title should be corrected.

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

H. Bacon
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.

Date of photographs: Sept. 4, 1930.

Date of compilation: May 2, 1933.

Scale: 1:5,000

Photographs taken by the Aerotopograph Corp. of America.

Reviewed and recommended for approval: 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 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.