

6205

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

DESCRIPTIVE REPORT

Topographic } Sheet No. D 6205
Hydrographic }

State New York

LOCALITY

Hudson River

Cruger Island to Silver Point

Project HT-190

1934

CHIEF OF PARTY

John A. Bond

U. S. GOVERNMENT PRINTING OFFICE: 1934

6205

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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FEB 11 1935

Acc. No. _____

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. "D"

REGISTER NO. 6205

State New York

General locality Hudson River

Locality Cruger Island to Silver Point

Scale 1: 10000 Date of survey September, 19 34

Vessel MIKAWA

Chief of party John A. Bond, H. & G. Engr.

Surveyed by C. F. Chenworth, Aid

Inked by C. F. Chenworth, Aid

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated July 25, 19 34

Remarks:

DESCRIPTIVE REPORT

To Accompany Topographic Sheet D

Hudson River

Instructions dated July 25, 1934

Project No. HT-190

GENERAL DESCRIPTIONS

This sheet consists of two strips covering the Hudson River from Cruger Island to Silver Point.

On the east side of the river the tracks of the New York Central railroad extend along the shoreline for nearly the whole extent of the sheet. The general appearance of the country east of the tracks is wooded.

On the west shore of the river there are several towns. Glasco and Malden are small settlements and Esopus Creek, which is the entrance to the village of Saugerties, enters in the area which is left blank on this sheet. This area was surveyed on Sheet "E" on a 1:5,000 scale. The rest of the area gives the appearance mostly of wooded country.

In compliance with the instructions, only the shoreline and the topographic detail immediately adjacent thereto were surveyed.

LANDMARKS

The landmarks falling within the limits of the sheet are being submitted on a separate report.

CONTROL

The control was adequate. Triangulation stations were numerous and several could be seen from nearly all points on the sheet.

SURVEY METHODS

Standard Coast Survey methods were used throughout. Little or no traverse was run as all triangulation stations were set up over first and signals on the opposite shore were located by cuts. The positions of these signals thus obtained were later used as points to set up over.

BUILDINGS

Buildings were not rodded in, nor accurately located, however, in some instances a dotted line in pencil is drawn around the areas occupied by buildings for the aid of the photo compilation.

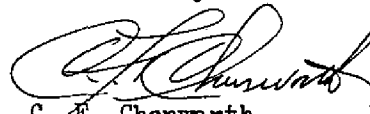
GRASS SYMBOL IN WATER AREA

It will be noted that in several cases the grass symbol is given in water areas. This is not marsh but tall grass which grows up through the water and shows above high tide, and which probably dies out in the winter-time.

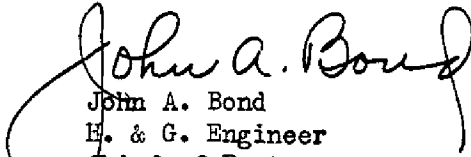
DATUM

The datum used is North American, carried forward through the unadjusted third order triangulation of C. A. Egner, 1933, and J. A. Bond, 1934. At station Terry, near Kingston, there is a discrepancy of about 4 meters between the third order work and the 1858 second order triangulation. At station Mt. Merino, near Hudson, the discrepancy between the third order and 1858 second order triangulation is about 8 meters. As a scheme of first order triangulation is contemplated over the area in the near future, which will permit adjustment of the third order triangulation as well as establishing the N.A. 1927 datum, projection lines have been left in pencil, (their extremities indicated by short inked lines) the final projection on the N.A. 1927 datum to be supplied by the office.

Submitted by:


C. F. Chenworth
Aid, U.S.C. & G.S.

Approved by:


John A. Bond
H. & G. Engineer
Chief of Party

POST-OFFICE ADDRESS: Belhaven, N. C.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

March 28, 1935

71
82-CKG
107747-29
11.41

To: The Director
U. S. Coast and Geodetic Survey
Washington, D. C.

From: Commanding Officer
U.S.C.&G.S. Launch MIKAWA
Belhaven, N. C.

Subject: Topographic Sheets

As requested in your letters of March 23rd (80-LEF) and March 26th (80-SD) I am returning herewith 3 tracings on which I have supplied, in green ink, the information requested in your letters.

In reference to tracing A on which a short section of shoreline between stations "Ida" and "Nel" has been supplied, Ensign Chenworth who did the topography informs me that he is of the belief that a close inspection of the topographic sheet will reveal this section of shoreline in pencil, which he inadvertently failed to ink.

John A. Bond
John A. Bond
Lieut. U.S.C. & G.S.
Commanding

80-LEF

March 23, 1935.

To: Lieutenant John A. Bond,
U. S. Coast and Geodetic Survey,
Launch MIKAWB,
Belhaven, North Carolina.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Topographic Sheets.

Enclosed tracing A shows a small gap between your sheets T-6206 and T-6205, Hudson River. It is thought that you may recall the locality sufficiently to sketch in the missing shoreline between stations "Ida" and "Nel" on the tracing.

Tracing B shows signals "Sir" and "Orp" in red. These signals are outside the shoreline and are not described in the records. Please advise as to their character.

(Signed) Z. S. PATTON

Inclosures omitted;
mailed 3-25-35

Director.

DM

73° 56' 30" 04' 30"

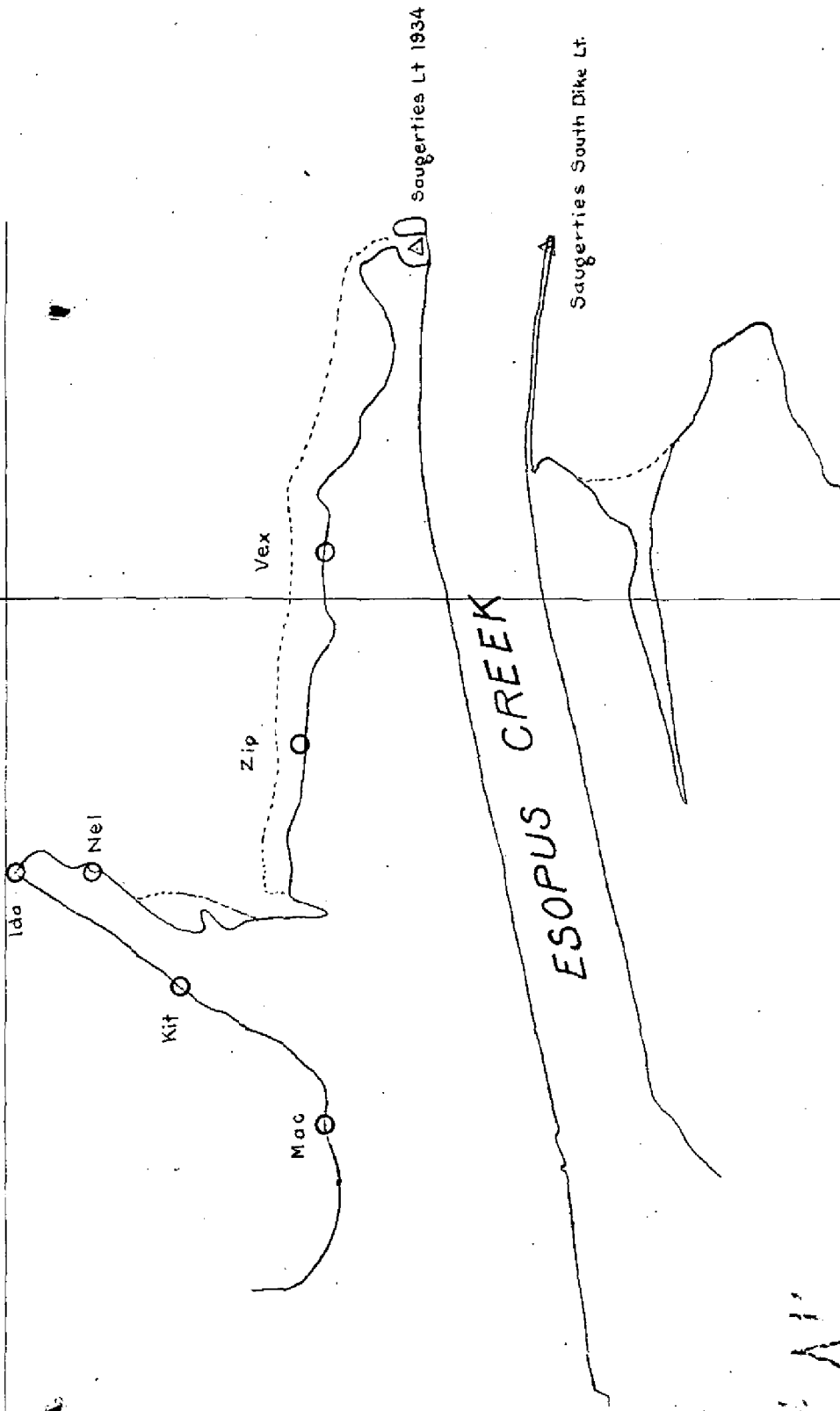
73° 56' 00" 04' 30"

42° 04' 00"

42° 04' 00"

73° 56' 30"

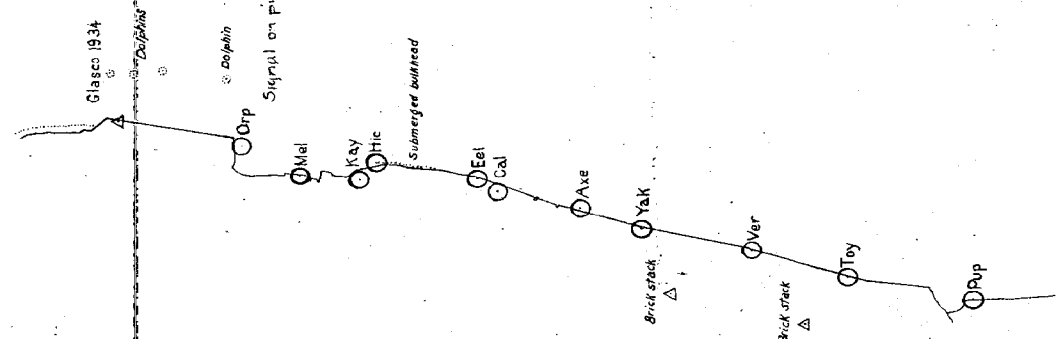
73° 56' 00"



TRACING OF T-6206 FIELD LETTER "E" Scale 1:500
SHORELINE IN RED FROM T-6205 "D" 1:10,000

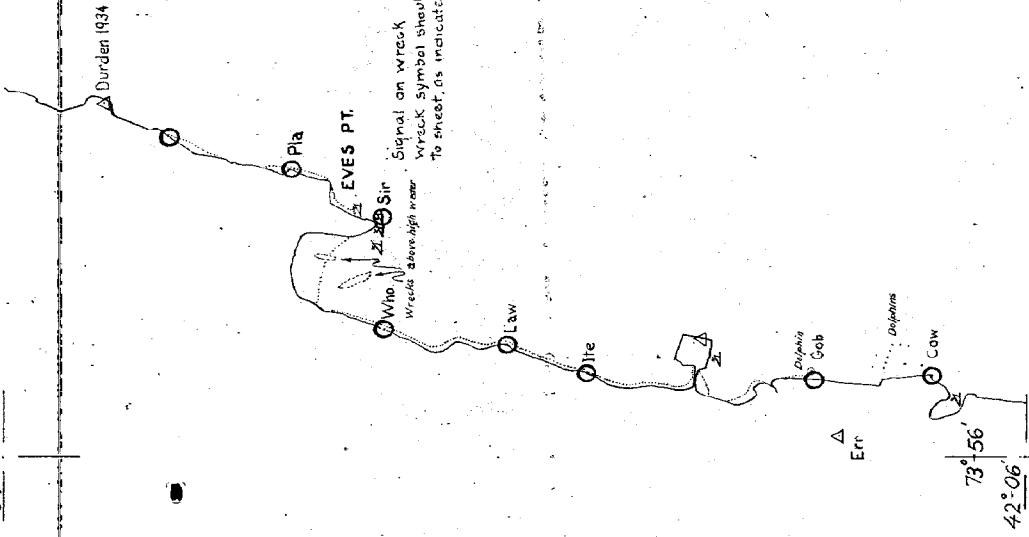
73° 56' 42° 03'

73° 56' 42° 02'



73° 55' 42° 07'

55' 06'



B

Traced from T-6205

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6205 (1934)

Cruger Island to Silver Point, Hudson River, New York

Surveyed September 1934

Instructions dated July 25, 1934

Plane Table Survey - Aluminum Mounted

Chief of Party - J. A. Bond.

Surveyed by - C. F. Chenworth.

1. Condition of Records.

The records conform to the requirements of the Topographic Manual with the following exceptions:

a. No description of Recoverable topographic stations, Form 524, were submitted. It is assumed that the large number of triangulation stations made the marking of topographic stations unnecessary, and also that none of the topographic stations which were located, were of a recoverable nature.

b. The projection lines were left in pencil by the field party, pending adjustment of triangulation. (See D.R. page 2). These have been inked in the office.

c. Signals "Sir" in lat. $42^{\circ}06.65'$, long. $73^{\circ}55.65'$ and "Orp" in lat. $42^{\circ}02.8'$, long. $73^{\circ}56.4'$ are outside of the high water line and no information is given as to their character. This matter has been referred to the field party.

d. Although the Descriptive Report mentioned that Landmarks for Charts, Form 567 is to be submitted in a separate report, the information had not yet been received in the office at the time of the review.

2. Compliance with Instructions for the Project.

The survey complies with instructions for the project.

3. Junctions with Contemporary Surveys.

Satisfactory junction was made with T-6203(1934) and T-6207(1934).

There is a gap about 25 meters in the junction with T-6206(1934) near \odot Ida, in lat. $42^{\circ}04.5'$, long. $73^{\circ}56.15'$. This matter has been referred to the field party.

4. Comparison with Prior Surveys.

a. T-726(1858).

This is on a scale of 1:5000, and overlaps the present survey where

Information received and
applied to survey: A.F.U.
(see letter in D.R. T. 6205)

Esopus Creek flows into the Hudson River. The area has been changed considerably due to silting and to dike construction at the mouth of the Creek.

5. Field Drafting.

The field inking of the survey was satisfactory.

6. Additional Work Recommended.

The survey is complete, and no additional work is necessary, except to clear up the gap in junctions as mentioned under paragraph 3.

7. Superseding Prior Surveys.

Insofar as the topography actually included on the present survey is concerned, it supersedes the foregoing prior surveys for charting purposes.

T-726 (1858) in part.

8. Reviewed by - A. F. Jankowski, February 1934.

9. Inspected by - A. L. Shalowitz.

Examined and approved:

C. K. Green, *C. K. Green*
Chief, Section of Field Records.

J. B. Borden
Chief, Section of Field Work.

L. O. Rollins
Chief, Div. of Charts.

G. H. Hulse
Chief, Div. of H & T.