

6006

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| Form 504 Ed. June, 1928 | |
| DEPARTMENT OF COMMERCE | |
| U. S. COAST AND GEODETIC SURVEY | |
| R. S. Patton, Director | |
| <div></div> | |
| State: <u>New York</u> | |
| DESCRIPTIVE REPORT | |
| Topographic Hydrographic | Sheet No. "H" 6006 |
| LOCALITY | |
| <u>Hudson River</u> | |
| <u>CRUM ELBOW</u> | |
| <u>Poughkeepsie to Greer Point</u> | |
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| <div></div> | |
| 1933 | |
| CHIEF OF PARTY | |
| <u>C. A. Egnar</u> | |

6006

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. "H"

POUGHKEEPSIE TO GREER PT.

HUDSON RIVER, N. Y.

INSTRUCTIONS:

This project, known as HT-147, is a continuation of projects HT-66 and HT-108 on the lower sections of the river. No specific instructions were issued for project HT-147, and instructions issued for projects on the lower sections of the river were followed since the surveys were carried on in a similar manner. The above instructions were supplemented, from time to time, by informal verbal instructions.

METHODS:

The usual plane-table methods of survey were used. All topographic signals were located by cuts from triangulation stations. Shore line on both sides of the river was located by rod-readings from set-ups over triangulation stations, topographic signals, and three-point fix positions. All inshore topography was obtained by traverse which closed within the allowable limit and was adjusted proportionally.

Limits of fields, vegetation, etc., on this sheet were sketched in. All buildings along the river's edge were accurately located, but dwellings along highways were sketched in.

On the west side of the river between the main highway and the river's edge, there are several unimproved roads which were not surveyed. The junctions of these roads with the main highway have been located, and it was thought not practicable to show the remainder of them. Enough control has been furnished to reduce these secondary roads from aerial photographs, should the area be photographed.

The section of road beginning at Latitude 41-43, 1463 meters, Longitude 73-57, 1272 meters, and extending in a southeasterly direction to Latitude 41-43, 809 meters, Longitude 73-57, 840 meters, was obtained by a needle survey. Both ends were accurately

located by traverse. No other areas were surveyed by needle on this sheet.

EXTENT:

This sheet comprises a survey of east and west shore line and adjacent topography of the Hudson River from Poughkeepsie, New York, north to Greer Point, New York.

DESCRIPTION OF SHORE LINE:

Shore line on both sides of the river is fairly regular, heavily wooded, and composed of natural rock formations and rock fills along the New York Central Railroad and the West Shore Railroad. There are comparatively few private docks north of Poughkeepsie. No off-lying dangers occur within the limits of this sheet.

CONTROL:

The control for this sheet consists of Second, Third, and Fourth Order triangulation brought forward from the vicinity of West Point. Triangulation stations DEYO 3, SHAY, and COLLEGE are of Second Order accuracy. Stations CORNELL, NORTH BASE, TOLL, PENN, MIT, COES, CLEARWATER 2, CRUM ELBOW 2, BUNNY, WEBEN, ROGERS, SPENCER, and CAST are of Third Order accuracy. The remaining stations are of Fourth Order accuracy.

NEW NAMES:

No new names occur on this sheet.

LANDMARKS FOR CHARTS:

Landmarks of sufficient prominence for charting purposes are included with this report on Form 567.

REMARKS:

The topography around triangulation stations STATE and STACK LADDER is not shown. These stations are on the property of the Hudson River State Hospital, and a blue print of the institution showing buildings and road plan has been forwarded to the office along with descriptive data of triangulation stations.

*BP not on file.
This information
is recorded on
the back of Desc.
Sta Stack Ladder*

The railroad bridge crossing the lower end of the sheet is a fixed steel truss structure with enough clearance for any vessel passing up the river. Attention has been called

(H534) not mentioned in Report

in the report for Hydro Sheet No. 5 that this bridge is no longer considered safe, and is now used only by freight trains at very slow speed.

STATISTICS:

| | |
|-----------------------------------|------|
| Area in square statute miles | 7.0 |
| Statute miles of high water line | 10.5 |
| Statute miles of creeks and roads | 22.0 |

Respectfully submitted,

J. T. Jarman
J. T. Jarman,
Aid.

Approved and forwarded:

C. A. Egner
C. A. Egner,
H. & G. E.,
Commanding NATOMA.

SIGNALS LOCATED BY TOPOGRAPHY

SHEET "H", HUDSON RIVER, N. Y.

| NAME | LATITUDE | | | LONGITUDE | | | Description |
|------|----------|----|----------------------|-----------|----|----------------------|---|
| | o | ' | Seconds in Meters | o | ' | Seconds in Meters | |
| Joe | 41 | 42 | --- (567) | 73 | 56 | 580 (806) | R. Blower on planing mill #2. |
| It | 41 | 42 | --- (991) | | | 626 (760) | NR White cross on building. |
| Ike | | | --- (1156) | | | 661 (725) | R East flag pole on Day Line pier. |
| Her | | | --- (1368) | | | 687 (699) | NR Whitewashed rock. |
| Za | 41 | 44 | 228 (1623) | | | 298 (1088) | NR Whitewashed rock. |
| Velt | 41 | 46 | 58 (---) | | | 237 (1149) | R Westernmost chimney of Roosevelt's Hyde Park house. |
| Was | | | 95 (---) | | | 1051 (335) | NR Whitewashed rock. |
| Vul | 41 | 45 | 1703 (148) | | | 935 (451) | NR Whitewashed rock. |
| Tit | | | 1455 (396) | | | 785 (601) | R. Chimney on watchman's shanty. |
| Sit | | | 1277 (572) | | | 682 (704) | NR Whitewashed rock. |
| Rye | | | 1125 (726) | | | 589 (797) | NR Whitewashed rock. |
| Park | | | 984 (887) | | | 490 (896) | NR Whitewashed rock. |
| On | | | 776 (1075) | | | 399 (987) | NR Whitewashed rock. |
| No | | | 627 (1224) | | | 329 (1057) | R. Striped R.R. box. |
| Jail | | | 304 (1547) | | | 269 (1117) | R. White R. R. sign. |

| NAME | LATITUDE | | | LONGITUDE | | | Description |
|------|----------|----|----------------------|-----------|----|-------------------------------|-----------------------------------|
| | o | ' | Seconds in Meters | o | ' | Seconds in Meters | |
| Joy | 41 | 45 | 121 (1730) | 73 | 56 | 270 (1116) | NR Whitewashed rock. |
| In | 41 | 44 | 1786 (65) | | | 276 (1110) | NR Whitewashed rock. |
| Bud | | | 1593 (258) | | | 287 (1099) | NR Whitewashed rock. |
| Hi | | | 1409 (442) | | | 269 (1117) | NR Whitewashed rock. |
| Gar | | | 1240 (611) | | | 282 (1104) | NR Whitewashed rock. |
| Fly | | | 977 (874) | | | 279 (1107) | NR White wrapped tree. |
| Fox | | | 763 (1088) | | | 308 (1078) | NR Whitewashed rock. |
| Egg | | | 589 (1262) | | | ⁶ 345 (1040) | NR Whitewashed rock. |
| Ate | | | 578 (1273) | | | 303 (1083) | NR Whitewashed rock. |
| Din | | | 585 (1266) | | | 265 (1021) | NR Whitewashed boards on tree. |
| Dog | | | 522 (1329) | | | 258 (1128) | NR Whitewashed boards. |
| Bar | | | 475 (1376) | | | 267 (1119) | NR Whitewashed rock. |
| Ale | | | 473 (1378) | | | 291 (1095) | NR Whitewashed tree. |
| Cap | | | 422 (1429) | | | 285 (1101) | NR Whitewashed box. |
| Cop | | | 421 (1430) | | | 262 (1124) | NR Whitewashed boards. |
| Bul | | | 336 (1515) | | | 247 (1139) | NR Whitewashed rock. |

| NAME | LATITUDE | | | LONGITUDE | | | Description |
|------|----------|----|----------------------|-----------|----|----------------------|---|
| | o | ' | Seconds in Meters | o | ' | Seconds in Meters | |
| Add | 41 | 44 | 280 (1571) | 73 | 56 | 248 (1138) | NR Whitewashed board. |
| Zip | | | 234 (1617) | | | 253 (1133) | NR Whitewashed stump. |
| Zoo | | | 220 (1631) | | | 341 (1045) | NR White wrapped pile. |
| You | 41 | 43 | 1847 (04) | | | 279 (1107) | NR White rock. |
| Wil | | | 1707 (144) | | | 246 (1140) | NR Whitewashed rock. |
| Van | | | 1562 (289) | | | 276 (1110) | NR Whitewashed rock. |
| Up | | | 1474 (377) | | | 313 (1073) | NR Whitewashed rock. |
| The | | | 1239 (612) | | | 338 (1048) | NR Whitewashed rock. |
| She | | | 1054 (797) | | | 394 (992) | NR White wrapped pile. |
| Rice | | | 855 (996) | | | 405 (981) | NR Whitewashed rock. |
| Pack | | | 605 (1246) | | | 430 (956) | R Sq. stack, Poughkeepsie Water Works. |
| Ox | | | 481 (1370) | | | 463 (923) | R Flag pole M. I. T. boat house. |
| Not | | | 292 (1559) | | | 503 (883) | NR Whitewashed rock. |
| Let | | | 57 (1794) | | | 525 (861) | NR Whitewrapped pile. |
| Jay | 41 | 42 | --- (192) | | | 522 (864) | R Upright post of yellow derrick. |
| And | 41 | 46 | 230 (---) | 73 | 57 | 409 (977) | NR Whitewashed rock. |
| Bay | | | 126 (---) | | | 355 (1031) | NR Whitewashed rock. |

| NAME | LATITUDE | | | LONGITUDE | | | Descriptions |
|------|----------|----|----------------|-----------|----|----------------|---------------------------------------|
| | o | ' | Meters | o | ' | Meters | |
| Cow | 41 | 45 | 1802 (49) | 73 | 57 | 248 (1138) | NR Whitewashed rock. |
| Dye | | | 1642 (209) | | | 146 (1248) | NR Whitewashed rock. |
| Fog | | | 1482 (369) | | | 18 (1368) | NR Whitewashed rock. |
| Hog | | | 1311 (540) | 73 | 56 | 1313 (73) | NR Whitewashed rock. |
| Jug | | | 964 (887) | | | 1082 (304) | NR Whitewashed rock. |
| Log | | | 711 (1140) | | | 1016 (370) | NR Whitewashed rock. |
| Now | | | 497 (1354) | | | 988 (398) | NR Whitewashed rock. |
| Over | | | 371 (1480) | | | 977 (409) | NR Whitewashed rock. |
| Pete | | | 37 (1814) | | | 1011 (375) | NR Whitewashed telephone pole. |
| Sob | 41 | 44 | 1736 (115) | | | 1044 (343) | R White R.R. box. |
| Tat | | | 1502 (347) | | | 1084 (303) | NR Whitewashed telephone pole. |
| Wine | | | 1293 (558) | | | 1100 (287) | NR Whitewashed rock. |
| Work | | | 1017 (834) | | | 1118 (269) | R Whitewashed east end of culvert. |
| Ark | 41 | 45 | 742 (1109) | | | 1123 (264) | NR Whitewashed rock. |
| Bow | | | 694 (1157) | | | 1084 (303) | R East gable of "Columbia" boathouse. |
| Cur | | | 620 (1231) | | | 1123 (263) | NR Whitewashed telephone pole. |

| NAME | LATITUDE | | | LONGITUDE | | | Descriptions |
|---------------------------|----------|----|----------------------|-----------|----|----------------------|--------------------------------------|
| | o | ' | Seconds in Meters | o | ' | Seconds in Meters | |
| Dug | 41 | 45 | 505 (1346) | 73 | 56 | 1090 (297) | NR Whitewashed rock. |
| Holy | | | 343 (1508) | | | 1093 (294) | NR Whitewashed rock. |
| Jack | | | 124 (1728) | | | 1066 (321) | NR Whitewashed rock. |
| Box | 41 | 43 | 1810 (41) | | | 1084 (302) | NR Whitewashed rock. |
| Bug | | | 1607 (244) | | | 1115 (271) | R Black R. R. box. |
| Bum | | | 1369 (482) | | | 1119 (267) | NR Whitewashed rock. |
| Cuf | | | 1194 (657) | | | 1149 (237) | NR Whitewashed rock. |
| Can | | | 730 (1121) | | | 1196 (190) | NR Whitewash on gable of shack. |
| Crap | | | 456 (1395) | | | 1227 (159) | NR Whitewashed rock. |
| Dry | | | 132 (1719) | | | 1274 (112) | R. White R. R. sign #2 $\frac{1}{2}$ |
| Dum | 41 | 42 | --- (48) | | | 1244 (142) | NR White crossed banner on sign. |
| Hen | | | --- (125) | | | 1279 (107) | R East gable of yellow house |
| Hay | | | --- (435) | | | 1356 (30) | R Center of "Cable Crossing" sign |
| Lee | | | --- (485) | 73 | 57 | 1 (1385) | R Chimney on White house. |
| Lug | | | --- (959) | | | 38 (1348) | R East gable of red roof house. |
| Gable Gable | 41 | 43 | 275 (1576) | 73 | 56 | 1339 (47) | R East gable of gray house |
| High | | | 944 (907) | | | 1263 (123) | R East gable of brown house. |

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

Norfolk, Va.

December 11 _____ 1933

DIRECTOR, U. S. COAST AND GEODETIC SURVEY:

The following determined objects are prominent, can be readily distinguished from seaward from the description given below, and should be charted.

C. A. Jones

Chief of Party.

[illegible]

A list of objects which are of sufficient prominence for use on the charts, together with a description of the same, must be furnished in a special report on this form, and a copy of such report must be attached by the Chief of Party to his descriptive report. The selection, determination, and description of these points are of primary importance.

The description of each object should be short, but such as will identify it; for example, standpipe, water tower, church spire, tank, tall stack, red chimney, radio mast, etc. Generally, flagstaffs and like objects are not sufficiently permanent to chart.

REVIEW OF TOPOGRAPHIC SURVEY No. 6006

Title (Par. 56) *Hudson River, Poughkeepsie to Greer Point, New York*Chief of Party *C. A. Egner* Surveyed by *J. T. Jarman* Inked by *J. T. Jarman*Ship *Natoma* Instructions dated *June 18, 1933* Surveyed in *Oct-Nov. 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.)
No elevations determined
5. The delineation of -contours-formlines- is satisfactory. (Par. 49, 50.) *None shown*
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.) *BP mentioned in Desc. Rep. was not received. Desc. of Δ Stack Ladder shows plan of buildings and roads at the Hudson River State Hospital.*
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 ^{not} shown. (Par. 16c.)
Coast Pilot gives this information for the Ry. Bridge at Poughkeepsie.
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~~ 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.) *They are listed in the Descriptive Report.*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) ✓
17. The magnetic meridian was shown and declination was checked. ✓ (Par. 17, 52.)
18. The geographic datum of the sheet is *North American* and the reference station is correctly noted. (Par. 34.) *Seconds in meters and datum name added in the office.*
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.) ✓
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 Jan. 17, 1934*

Examined and approved:

L. O. Lobert
Chief, Section of Field Records

L. O. Lobert
Chief, Division of Charts

F. S. Borden
Chief, Section of Field Work

G. W. de
Chief, Division of Hyd. and Top.

80-DRM

January 27, 1934.

To: Ensign J. T. Jarman,
U. S. Coast and Geodetic Survey,
P. O. Box 468,
Miami, Florida.

Through: Lieut. Comdr. H. A. Cotton,
U. S. Coast and Geodetic Survey,
Chief of Party.

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

Subject: Review of topographic sheet No. 6006, Hudson River,
Poughkeepsie to Greer Point.

The review of topographic sheet No. 6006, Hudson River, Poughkeepsie to Greer Point, has recently been made in this office. The survey is considered as a satisfactory one. It is desired to call to your attention two criticisms of the sheet as made by the reviewer:

1. Although a list of signals located by triangulation was placed in the descriptive report, there were no descriptions of recoverable stations accomplished on Form 524. The use of this form, especially in such a locality as the Hudson River, is considered essential.

2. The reference station was noted on the sheet, but the seconds in meters and the datum name were omitted. These were supplied at this office.

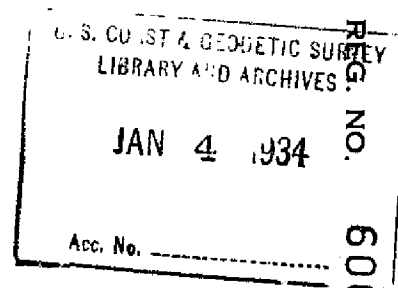
(Signed) J. B. MAWLEY

Copy to:
Lieut. C. A. Egner,
U. S. Coast and Geodetic Survey,
808 Realty Building,
Savannah, Georgia.

Acting Director.

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. H

REGISTER NO. **6006**

State New York

General locality Hudson River

Locality Poughkeepsie to Grear Point

Scale 1:10,000 Date of survey Oct. Nov., 19 33

Vessel NATOMA

Chief of party C. A. Egner

Surveyed by J. T. Jarman

Inked by J. T. Jarman

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated from season of 1930, 19 _____

Remarks: _____