

4701

U. S. COAST & GEODETIC SURVEY
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Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: New York

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. "C" 4701

LOCALITY:

Hudson River, Ossining to Harmon

JUN 32

CHIEF OF PARTY:

C. A. Egner

4701

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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REG. NO. 4701

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. C

REGISTER NO. 4701

State New York

General locality Hudson River

Locality Ossining to ~~xxxxx~~ Croton Pt., & Vicinity

Scale 1/10:000 Date of survey July - Oct, 1932

Vessel M. V. NATOMA

Chief of party C. A. Egner

Surveyed by Paul Taylor

Inked by Paul Taylor

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated May 25, 1932

Remarks: _____

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. "C"

HUDSON RIVER, NEW YORK

OSSINING TO HARMON

* * * * *

INSTRUCTIONS:

There were no instructions issued to cover the topography under this project. However, as the work was similar to that executed in 1930 on lower sections of the river, instructions for that year were considered to apply.

METHOD OF SURVEY:

The customary plane-table method was used. The majority of signals were located by intersection from triangulation stations and the table set over these stations. Very few three-point fixes were necessary. Short traverses were run up Croton River and from signal Water to signal Cap on the west side of the river.

EXTENT:

This sheet comprises a survey of the shore line of Hudson River from Sing Sing Prison, south of Ossining, to triangulation station CROW, just north of Harmon, including the Croton River from the mouth to about one half mile north.

DESCRIPTION:

The shore line on the west side of the river is rocky and fairly uniform while that of the east side is broken by Croton Point and Croton River. The shore line is generally rocky on the east side of the river, broken by docks around Ossining, a sand beach on the north side of Croton Point, and the marshes around the mouth of Croton River. The shore line on the south side of Croton Point, bordered by a grassy swamp, is the low water line. No attempt was made to obtain the high water line back of this swamp as it is to be filled in for an air port in the near future, funds permitting.

The traverse up Croton River was started from signal Sot and closed on a three-point fix at signal Pave. On the west side of the river, the traverse was started at signal Water and ran north to signal Cap and back to Water.

No attempt was made to obtain topographic features back of the shore line as this section is covered by aerial photographs. However, prominent objects were located back of the shore line by intersection and spotted on the photographs. Triangulation stations are indicated on the photographs by black circles and topographic signals by green circles. Photographs for this section will be forwarded collectively and not for each individual sheet.

NEW NAMES:

Red Rock Camp was established recently and the name does not appear on charts. Names appearing in pencil on this sheet were obtained from local residents but were not inked due to conflicting opinions.

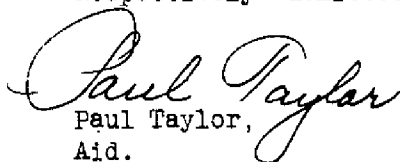
STATISTICS:

Shore line	13.0 statute miles
Traverse	2.0 " "
Area	8.0 sq. statute miles.

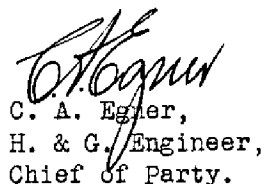
LANDMARKS:

Shown on Form 567 "Landmarks for Charts".

Respectively submitted,


Paul Taylor,
Aid.

Approved and forwarded,


C. A. Egner,
H. & G. Engineer,
Chief of Party.

REVIEW OF TOPOGRAPHIC SURVEY No. 4701

Title (Par. 56) *Assining to Croton Pt. & vicinity, Hudson River, New York*
 Chief of Party *C. A. Egner* Surveyed by *P. Taylor* Inked by *Paul Taylor*
 Ship *Natoma* Instructions dated *May 25, 1932* Surveyed in *July-Oct. 1932.*

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-forlines- was accomplished. (Par. 18, 19, 20, 21, 22, 23.)
No elevations determined
5. The delineation of -contours-forlines- 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.) *None submitted*
7. High water line on marshy and mangrove coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)
See Desc. Rep. page 1, relative to shoreline south of Croton Pt.
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.

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 IMs and DPs, 68.) *List of Topo stations included in Desc. Reps.*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *Filed as letter 86/1933*
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.)
Name of datum 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.) ✓
"Red Stone" is shown as one word on chart 281, not "Red Rock Camp." Add name Harmon (see Top 5025) Other names are being investigated. H.B. Sept 11, 1934
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.F. Christman, Jan. 5, 1934.*

Examined and approved:

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

K.S. Bosden
Chief, Section of Field Work
E. Hude
Chief, Division of Hyd. and Top.

5.49

SIGNALS LOCATED BY TOPOGRAPHY, SHEET "C", HUDSON RIVER

T4701

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	o	' meters	o	' meters	
Sin	41-09	258 (1593)	73-54	1198 (201)	Roof peak at pavilion at North Park.
Uno		435 (1416)		1300 (99)	N. R.
Dos		624 (1227)		1372 (27)	N. R.
Tres		850 (1001)	73-55	112 (1287)	N. R.
Quat		1044 (807)		254 (1145)	N. R.
Cinco		1291 (560)		415 (984)	N. R.
Six		1516 (335)		572 (827)	N. R.
Sep		1753 (98)		722 (677)	N. R.
Last	41-10	60 (1791)		848 (551)	N. R.
Win		355 (1496)		1140 (259)	N. R.
Rek		724 (1127)	73-56	87 (1312)	South end of wrecked tug.
Rock		851 (1000)		269 (1130)	N. R.
Water		1104 (747)		513 (886)	N. R.
Camp		1300 (551)		837 (562)	N. R.
Ink		1437 (414)		975 (424)	Banner on extreme SW corner of dock.
Cap		1602 (249)		1269 (130)	East gable of boat house.

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	°	' meters	°	' meters	
Gun	41-09	168 (1683)	73-52	441 (958)	Flagpole outside of W wall of Sing Sing Prison and WNW of SMOKE.
White		421 (1429)		344 (1055)	N. R.
Pole		717 (1134)		342 (1057)	Yacht Club flagpole.
Cup		844 (1007)		376 (1023)	Cupola on small yellow office building.
Mid		879 (972)		562 (837)	N. R.
Stand		962 (889)		403 (996)	Standard Oil Co. gas tank.
City		1119 (732)		124 (1275)	City gas tank.
East		1213 (638)		370 (1029)	West oil tank.
Black		1311 (540)		313 (1086)	Black metal stack.
Rite		1391 (460)		353 (1047)	Yacht club flagpole.
Club		1405 (446)		320 (1079)	Roof peak of yacht club.
Roof		1654 (197)		337 (1062)	North peak red roof, warehouse.
Sky		1771 (80)		344 (1055)	Tall white flagpole.
Red	41-10	48 (1803)		385 (1014)	Red cupola.
Sun		67 (1748)		457 (942)	West roof peak, small shack.
Chim		254 (1597)		503 (896)	Chimney on brick power house.

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	o	' meters	o	' meters	
Box	41-10	541 (1310)	73-52	609 (790)	Black & white switch box.
Post		605 (1246)		663 (736)	N. R.
Wood		717 (1134)		733 (666)	N. R.
Cross		863 (988)		807 (591)	N. R.
Sig		1209 (642)		841 (557)	Switch signal.
East		1225 (626)		873 (525)	N. R.
Duck		1275 (576)		565 (833)	Yellow house gable.
Bay		1433 (418)		953 (445)	N. R.
Sot		1878. (173)		1046 (352)	N. R.
Dobe		1198 (656)	73-51	1361 (37)	West roof peak of house with three gables.
Chil		960 (891)		1122 (276)	North chimney red roof house.
Off	41-11	125 (1726)	73-52	1166 (232)	Chimney on brick office.
Mud		341 (1510)		800 (598)	NW corner bathhouse
Pave		649 (1202)		675 (723)	N. R.
Beer		146 (1705)	73-53	3 (1395)	N. R.
Ale		24 (1827)		199 (1200)	N. R.
Rye	41-10	1540 (311)		305 (1094)	N. R.

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	o	' meters	o	' meters	
Rum	41-10	1370 (481)	73-53	560 (839)	N. R.
Fire		1103 (748)		806 (593)	Chimney on old house.
Hang		1080 (771)		860 (539)	Wind bag on hanger.
Gin		874 (977)		1033 (366)	N. R.
Frog		770 (1081)		1165 (234)	N. R.
Sir		542 (1309)		1218 (181)	N. R.
Spin		271 (1580)		1281 (118)	N. R.
Wop		350 (1501)		1391 (8)	N. R.
Mike		618 (1233)	73-54	26 (1373)	N. R.
Pat		959 (892)		16 (1383)	N. R.
Face		1404 (447)	73-53	1330 (69)	N. R.
Ton		1672 (179)	73-54	140 (1259)	N. R.
Hup		1831 (20)		100 (1298)	West chimney of brick house.
Crop	41-11	292 (1559)		177 (1211)	N. R.
North		453 (1398)		140 (1258)	N. R.
Board		323 (1528)	73-53	1314 (84)	N. R.
Sue		331 (1520)		1235 (163)	Tall white flagpole.

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	o	' meters	o	' meters	
Ride	41-11	205 (1646)	73-53	1215 (183)	Aero-ride tower.
Cop		270 (1581)		1021 (377)	N. R.
Bath		443 (1408)		920 (478)	N. R.
Tent		857 (994)		634 (764)	N. R.
Wine		1120 (731)		581 (817)	N. R.
Boil		1215 (636)		547 (851)	N. R.
Shop		1085 (766)		541 (857)	Turret on brick shop.
Lob		953 (898)		284 (1114)	Brick stack.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-4701

LANDMARKS FOR CHARTS

Norfolk, Virginia

December 9, 1932

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. Egnor, H. & G. E.

Chief of Party.

DESCRIPTION	POSITION					DATUM	METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE		LONGITUDE					
	°	'	°	'	D. P. METERS			
Large red stack at Sing Sing Prison. SMOKE	41	09	140.1	73	52	327.7	N. A. Triang.	281
New Yellow stack at Sing Sing Prison. BIG STACK	41	09	327.3	73	52	298.7	" "	281
South water tank at Sing Sing Prison. SING	41	09	258.8	73	51	1352.2	" "	281
North tank at Sing Sing Prison. TWIN TANK	41	09	281.6	73	51	1352.6	" "	281
Large brick stack at Harmon Railroad Yards.								
STACK HARMON	41	11	896.9	73	53	260.1	" "	281
Tall white flagpole at South Park. FLAGPOLE 1	41	08	1112.1	73	54	689.7	" "	281
Tall white flagpole at North Park. FLAGPOLE 2	41	09	181.0	73	54	1166.1	" "	281
ROCKLAND LIGHT	41	08	1533.9	73	54	419.6	" "	281
North gable on red house. GAB	41	10	1451.9	73	56	1129.9	" "	281

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, flagstaves and like objects are not sufficiently permanent to chart.