

4750

4750

4750

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

OCT 12 1933

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
4750

Topographic
~~Hydrographic~~

Sheet No. B

LOCALITY

Hudson River

Garrisons to Cold Springs

U.S.G.B.

1933

CHIEF OF PARTY

C. A. Egner

D E S C R I P T I V E R E P O R T
T O A C C O M P A N Y
T O P O G R A P H I C S H E E T " B "
G A R R I S O N S T O C O L D S P R I N G S
H U D S O N R I V E R , N E W Y O R K
P R O J E C T N O . 1 4 7 , 1 9 3 3

M. V. NATOMA

C. A. EGNER, COMMANDING

I N S T R U C T I O N S :

There were no instructions issued to cover work on this project. However, as work was similar to that executed on lower sections of the river, those instructions were considered to apply.

M E T H O D
O F S U R V E Y :

The usual plane-table method was used. Hydrographic signals were located by intersections from triangulation stations. Topography along the shore line was run directly from these signals. No elevations were taken as this area is covered by Geological Survey Quadrangle Maps.

E X T E N T :

This sheet comprises a survey of shore line and adjacent topography from Garrison to Cold Springs, including West Point.

DESCRIPTIONS:

The shore line on both sides of the river is rocky.

All roads shown in solid lines were located by traverses. The private roads and trails shown in broken lines were located by needle traverses.

Triangulation stations on this sheet were plotted from the 1932 datum. There is a slight discrepancy in the junction of this sheet with sheet "C", 1933, due to a change of datum. While this discrepancy in the case of the triangulation stations it is not large enough to affect the shoreline or hydrography.

Station NECOR was located expressly for the Army Authorities at West Point. This marks the upper limit of the West Point Reservation, where same butts onto the Hudson River.

JUNCTION:

This sheet joins sheet "A" of 1933 at Triangulation Station BLOCKHOUSE and sheet "C" at Triangulation Station COLD.

T-4749
T-4751

STATISTICS:

Shore line, statute miles of	9.0
Traverse, " " "	8.5
Area in square statute miles	4.0

LANDMARKS:

Landmarks are shown on Form No. 567 "Landmarks for Charts".

Respectfully submitted,

Paul Taylor
Paul Taylor
Aid, U.S.C. & G. Survey

Approved and forwarded;

C. A. Egnor
C. A. Egnor
H. & G. E. U.S.C. & G. Survey,
Chief of Party.

Probably river line connection with adjusted triangulation, N.A. Datum. Rgt.

TOPOGRAPHIC SIGNALS SHEET "B" , 1933

SIGNAL	LATITUDE			LONGITUDE			REMARKS
	o	'	" in meters	o	'	" in meters	
In	41	25	15 (- - -)	73	57	1062 (332)	Not recoverable
The	41	24	1763 (88)	73	57	1014 (380)	Not recoverable
Fun	41	24	1781 (70)	73	57	973 (421)	Peak round red roof house
Girl	41	24	1565 (286)	73	57	923 (471)	Not recoverable
Boy	41	24	1541 (310)	73	57	915 (479)	Dolphin
Her	41	24	1419 (432)	73	57	885 (509)	Not recoverable
She	41	24	1569 (282)	73	57	652 (742)	Not recoverable
Cud	41	24	1502 (349)	73	57	538 (855)	Black railroad switch box
Ate	41	24	1263 (588)	73	57	345 (1049)	Black railroad switch box
Dot	41	24	1116 (735)	73	57	400 (994)	Not recoverable
Max	41	24	980 (871)	73	57	533 (861)	Not recoverable
Go	41	24	1634 (217)	73	58	370 (-)	Not recoverable
Tit	41	24	1297 (554)	73	58	299 (-)	Not recoverable
Zoo	41	24	1173 (678)	73	58	246 (-)	Not recoverable
Short	41	24	885 (966)	73	58	133 (-)	Not recoverable
Ox	41	24	716 (1135)	73	58	133 (-)	Not recoverable
Pal	41	24	583 (1268)	73	58	108 (-)	Not recoverable

TOPOGRAPHIC SIGNALS SHEET "B", 1933

Signal	Latitude			Longitude			Remarks
	o	'	Sec. in meters	o	'	Sec. in meters	
Ham	41	24	492 (1359)	73	58	300 (-)	Small black stack
Po	41	24	481 (1370)	73	58	21 (-)	Not recoverable
Re	41	24	356 (1495)	73	57	1359 (35)	Not recoverable
Tat	41	24	232 (1619)	73	57	1375 (19)	Not recoverable
Hi	41	24	106 (1745)	73	57	1256 (138)	Not recoverable
Sit	41	24	14 (1837)	73	57	1140 (255)	Not recoverable
Ev	41	24	898 (953)	73	57	513 (881)	Not recoverable
Ike	41	24	816 (1035)	73	57	735 (659)	Not recoverable
Lin	41	24	637 (1214)	73	57	888 (506)	Not recoverable
Add	41	24	523 (1328)	73	57	840 (554)	Not recoverable
Sob	41	24	386 (1465)	73	57	839 (555)	Constitution Island Light
Bul	41	24	226 (1625)	73	57	431 (963)	Not recoverable
Go	41	24	109 (1742)	73	57	280 (1114)	Not recoverable
Rice	41	24	94 (1757)	73	57	136 (1258)	Boat house, south gable
Ale	41	24	122 (1729)	73	56	693 (701)	Not recoverable
Dil	41	24	175 (1675)	73	56	430 (964)	Not recoverable
Park	41	24	82 (1769)	73	56	401 (993)	Not recoverable
Sly							

TOPOGRAPHIC SIGNALS, SHEET "B", 1933

Signal	LATITUDE			LONGITUDE			REMARKS
	0	'	Sec. in Meters	0	'	Sec. in Meters	
Sly	41	23	1810 (40)	73	56	369 (1025)	Not recoverable
Tod	41	23	1490 (361)	73	56	231 (1163)	White railroad sign
Tit	41	23	946 (905)	73	56	901 (493)	Not recoverable
Bay	41	23	1719 (132)	73	57	1005 (389)	Not recoverable
Up	41	23	1599 (252)	73	57	889 (505)	Not recoverable
Mad	41	23	1491 (360)	73	57	788 (606)	Aero-plane sack
Dog	41	23	1601 (250)	73	57	564 (830)	Not recoverable
Kid	41	23	1594 (257)	73	57	426 (968)	Not recoverable
Wil	41	23	1507 (344)	73	57	289 (1105)	Not recoverable
Zoo	41	23	1237 (614)	73	57	139 (1255)	Not recoverable
Stat	41	23	1262 (589)	73	57	602 (792)	Tall monument
Fun	41	23	1029 (822)	73	57	174 (1210)	Not recoverable
Jail	41	23	873 (978)	73	57	325 (1069)	Not recoverable
Sal	41	23	693 (1158)	73	57	351 (1043)	Not recoverable
Log	41	23	528 (1323)	73	57	403 (991)	Not recoverable
Was	41	23	437 (1414)	73	57	453 (941)	Not recoverable
Cop	41	23	286 (1655)	73	57	463 (931)	Not recoverable

TOPOGRAPHIC SIGNALS Sheet "B", 1933

Signal	LATITUDE			LONGITUDE			REMARKS
	0	1	" IN METERS	0	1	" IN METERS	
Pen	41	23	1118 (733)	73	57	528 (866)	Railroad speed sign
Cud	41	23	1038 (813)	73	57	544 (850)	Not recoverable
Bar	41	23	1763 (88)	73	56	1001 (393)	Not recoverable
Den	41	23	1464 (387)	73	56	1190 (204)	Not recoverable
Rye	41	23	1114 (737)	73	56	1238 (156)	Not recoverable
Tall	41	23	960 (891)	73	56	1250 (144)	Red gas pump

REVIEW OF TOPOGRAPHIC SURVEY No. 4750

Title (Par. 56) *Garrisons to Cold Springs, Hudson River, New York*
 Chief of Party *C. A. Egner* Surveyed by *Paul Taylor* Inked by *Paul Taylor* & *A. W. Green Jr.*
 Ship *Natoma* Instructions dated *July 22, 1930* Surveyed in *July-Aug. 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*
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, refers to Geological Survey Quadrangle Maps.*
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.)
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.)
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.)
19. Junctions with contemporary surveys are adequate. *Small discrepancies exist at both the north and south junctions with adjacent sheets (T4751 and T4749).*
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 Oct. 30, 1933.*

Examined and approved:

L. O. Colburn
Chief, Section of Field Records

L. O. Colburn
Chief, Division of Charts

H. B. Borden
Chief, Section of Field Work

G. E. Rude
Chief, Division of Hyd. and Top.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO. 4750

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. B

REGISTER NO. **4750**

U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES OCT 12 1933 Acc. No. _____
--

State New York

General locality Hudson River

Locality Garrisons to Cold Springs

Scale 1/5,000 Date of survey July- Aug, 1933

Vessel M. V. NATOMA

Chief of Party C. A. Egner

Surveyed by Paul Taylor

Inked by Paul Taylor and A. W. Green Jr.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated season of 1930, 19____

Remarks: _____

APPLIED TO ALUMINUM-MOUNTED DRAWING OF THE RECONSTRUCTION
OF CHART No. 282

F. M. Albert

Oct. 1934