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U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: New York

DESCRIPTIVE REPORT

Topographic

~~XXXXXXXXXX~~

Sheet No. "E" 4783

LOCALITY

Hudson River

Newburgh to Danskammer Light.

19 33

CHIEF OF PARTY

C. A. Egner

U. S. GOVERNMENT PRINTING OFFICE: 1922

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "E"

NEWBURGH TO DANSKAMMER LIGHT
HUDSON RIVER, NEW YORK

PROJECT NO. HT - 147, 1933

M. V. NATOMA

C. A. EGNER, COMMANDING.

INSTRUCTIONS:

Work on this sheet was executed as part of the season's work of combined operations done by the M. V. NATOMA. There were no specific instructions issued for topography covered by this sheet. However, as work was similar to that executed on lower sections of the river, those instructions were considered to apply.

METHOD OF SURVEY:

The usual plane-table method was used. With the exceptions noted below, topographic signals were located by intersection from triangulation stations. Topography along the shore line was run directly from these signals or from three-point fixes. Inshore topography was obtained from traverses.

Exceptions: Signal DAGO and ALE on the west bank of the river, and signals BOY and PIE on the east bank were located from traverses.

EXTENT:

This sheet comprises a survey of the shore line and adjacent topography from Newburgh to Danskammer Point including the towns of Beacon, Chelsea, Roseton, and Middlehope.

DESCRIPTION:

The shore line on each side of the river is generally rocky, being, throughout its greater part, shore line made by the rock fills forming the road beds of the New York Central and the West Shore Railroads. In the vicinity of Newburgh and Roseton on the west bank and of Beacon, Brockway, and Chelsea on the east bank, there are many old and new docks.

The shore back of the railroads is generally hilly and heavily wooded.

In the vicinity of Roseton and Brockway, there has been some change in shore line due to the policy of the brick plants in those places of filling in low places with scrap brick.

The streets and main roads on this sheet were obtained from closed traverses. Secondary roads, private roads, and trails were run by needle traverses and tied in to either three-point fixes or to the main traverse.

Buildings along the water front were located from rod-readings, while those inshore were either located by cuts from traverses or sketched in, as in the case of dwellings along streets. All large buildings that might be used as possible landmarks for photographs were located by rod-readings.

Vegetation lines and vegetation were sketched in.

Some difficulty was encountered in getting the topography in Beacon to connect up properly with that on sheet "D". Reference is made to this with recommendations, in the Descriptive Report for Sheet "D".

Difficulty was encountered in securing a satisfactory junction with Sheet "F" for the secondary roads shown in the northeast corner of this sheet, due probably to weak fixes and to the topography being in the corner of the sheet. For this reason, it is recommended that the topography in this area be checked if, and when, photographs are available.

NAMES:

On the old charts the settlement in the vicinity of Latitude 41-33, Longitude 73-58 is LOW POINT. The point of land there is still called "Low Point" and is so noted on the sheet. However, the Post Office and railroad station is called CHELSEA, and that name is used exclusively in this vicinity to denote the town.

The settlement in the vicinity of Latitude 41-32, Longitude 73-59 with no name on the old charts is locally known as BROCKWAY.

The settlement in the vicinity of Latitude 41-34, Longitude 73-58, given separately on the old charts as JOVAS, no longer bears this name and is considered to be a part of ROSETON.

JUNCTIONS:

This sheet joins sheet "D" of 1933 at triangulation station STACK COLDWELL, which is on the north side of Newburgh, and sheet "F" of 1933 at triangulation station LIGHT, which is Danskammer Light, at the extremity of Danskammer Point.

STATISTICS:

Shore line	19.6	Statute miles.
Traverse	33.5	" "
Area covered	5.0 sq.	" "

LANDMARKS:

Landmarks are shown on Form 567, "Landmarks for Charts."

Respectfully submitted,

A. W. Green, Jr.
A. W. Green, Jr.
Draftsman.

Approved and forwarded:

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

LIST OF TOPOGRAPHIC SIGNALS

TOPOGRAPHIC SHEET NO. "E"

HUDSON RIVER, NEW YORK

NAME	LATITUDE			LONGITUDE			Description
	o	'	Seconds in Meters	o	'	Seconds in Meters	
Dago	41	30	--- (838)	74	00	453 (---)	N. R. White pile.
Fish			--- (484)			502 (---)	R. N. edge of "H" on Newburgh sign.
Lu			--- (299)			542 (---)	N. R. Gable of small house.
Yat			--- (26)			569 (---)	R. Yacht club flagpole.
Thum	41	31	415 (1436)			557 (---)	N. R. Whitewashed rock.
Book			705 (1146)			520 (---)	N. R. Whitewashed rock.
Yard			818 (1033)			529 (---)	R. Yard sign on R. R.
Tug			1059 (792)			414 (---)	N. R. Whitewashed rock.
Slow			1272 (579)			422 (---)	R. Low concrete box on R.R.
Stan			1565 (286)			281 (---)	N. R. White pole
Go			1815 (36)			153 (---)	N. R. Whitewashed rock.
Shack	41	32	192 (1659)			54 (---)	R. Watchman's shanty on R.R.
Wash			858 (993)	73	59	1316 (75)	N. R. Whitewashed rock.
Bot			1056 (795)			1280 (111)	R. Low concrete box on R.R.

NAME	LATITUDE			LONGITUDE			Description
	o	'	Meters	o	'	Meters	
Sham	41	32	1273 (578)	73	59	1223 (168)	N. R. White pole.
Road			1528 (323)			1133 (258)	N. R. Whitewashed rock.
Rail			1753 (98)			1053 (338)	N. R. Whitewashed rock marked "G".
Hole	41	33	347 (1505)			646 (743)	N. R. White pole.
Chute			585 (1267)			303 (1088)	R. End of chute.
Red			920 (932)			46 (1345)	R. Gable on black house.
Liz			1100 (752)	73	58	1297 (93)	N. R. Whitewashed rock.
Add			1269 (583)			1161 (229)	R. Striped box on R. R.
At			1477 (375)			926 (464)	N. R. Whitewashed rock.
Boy			1675 (177)			708 (682)	N. R. White pile.
Bat			1850 (2)			448 (942)	R. S.E. gable of brick plant.
Tin	41	34	190 (---)			257 (1133)	R. Small tin shack.
Ball			395 (---)			107 (1283)	N. R. White pile
Bar			495 (---)			7 (1383)	N. R. White pile.
Bay			640 (---)	73	57	1249 (141)	N. R. West corner of dock.
Ale			993 (---)			1328 (63)	N. R. Whitewashed rock.

NAME	LATITUDE			LONGITUDE				Descriptions
	o	'	Seconds in Meters	o	'	Seconds in Meters		
Dump	41	30	--- (887)	73	59	390 (1001)	N. R.	White pile.
Paul			--- (677)			191 (1200)	N. R.	White rock.
Lum			--- (491)			204 (1187)	N. R.	White rock.
Hen			--- (212)			227 (1164)	N. R.	Whitewashed rock.
Pris	41	31	96 (1755)			211 (1180)	R.	Striped box.
Shanty			380 (1471)			148 (1243)	R.	Watchman's shanty.
Bas			630 (1220)			101 (1290)	N. R.	Whitewashed rock
Hank			849 (1002)			96 (1295)	N. R.	White flag in willow.
Old			1088 (763)	73	58	1334 (57)	N. R.	Whitewashed rock
Strip			1433 (418)	73	59	4 (1387)	N. R.	White pile.
Stack			1671 (180)	73	58	1112 (279)	R.	Empire stack.
Trunk	41	32	184 (1667)			1071 (320)	N. R.	Whitewashed tree.
Box			287 (1564)			920 (471)	R.	Striped box.
Spot			521 (1330)			972 (419)	N. R.	White spot.
Pie			602 (1249)			867 (524)	N. R.	White pile
Rag			810 (1041)			847 (544)	N. R.	White flag in willow.
Long			1063 (788)			771 (620)	N. R.	Whitewashed rock.

NAME	LATITUDE			LONGITUDE				Description
	o	'	Seconds in Meters	o	'	Seconds in Meters		
Fish	41	32	1261 (590)	73	58	709 (683)	R.	Town of Fishkill sign.
Wat			1704 (147)			517 (872)	R.	Watchman's shanty.
Flat	41	33	121 (1730)			493 (898)	N. R.	Whitewashed rock.
Sole			318 (1533)			349 (1042)	R.	S. flagpole.
Nov			403 (1448)			325 (1065)	R.	N. flagpole.
On			624 (1227)			78 (1312)	R	Turret on white house.
Zig			807 (1043)	73	57	1371 (20)	N. R.	Whitewashed rock.
End			1113 (739)			1071 (320)	N. R.	Whitewashed rock.
Came			1313 (538)			904 (486)	N. R.	Whitewashed rock
Crap			1492 (359)			764 (626)	N. R.	Whitewashed rock.
Dot	41	34	67 (---)			444 (946)	R.	Striped box.
D11			214 (---)			368 (1022)	N. R.	Whitewashed rock.
Den			404 (---)			259 (1131)	N. R.	Whitewashed rock "A".
Dog			591 (---)			124 (1266)	R.	Striped box on R. R.
Man			891 (---)	73	56	--- (16)	R.	West gable of watchman's shanty.
Dye			1125 (---)			--- (97)	R.	Striped box on R. R.

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REG. NO. 4783

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. "E"

REGISTER NO. 4783

State New York

General locality Hudson River

Locality Newburgh to Danskammer Point.

Scale 1/10:000 Date of survey Sept-Oct, 1933

Vessel M. V. NATOMA

Chief of party C. A. Egner

Surveyed by A. W. Green Jr.

Inked by 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 193, 19

Remarks:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-4783

LANDMARKS FOR CHARTS

Norfolk, Va.

December 8, 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. Egner

Chief of Party.

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED	
	LATITUDE		LONGITUDE		DATUM			
	°	'	D. M. METERS	°				'
Baptist BAB 1933, church spire ✓	41	30	770.3	74	00	717.0	N.A. Triang.	282 ✓
FIRST PRESBY CHURCH SPIRE, 1905-1933 ✓	41	30	795.9	74	00	813.0	" "	" ✓
Large brick stack COLDWELL STACK 1933 ✓	41	30	1102.3	74	00	526.0	" "	" ✓
Windmill on top of hill WINDMILL 1933 ✓	41	32	537.1	74	00	219.6	" "	" ✓
S.E. gable of BAT, brick plant. ✓	41	33	1850.	73	58	448.	" Topo.	" Building is charted ✓
LIGHT 1933, Beacon ✓	41	34	797.8	73	57	1144.4	" Triang.	" ✓
In beacon SILVER STACK 1933, ✓	41	30	905.2	73	58	1297.1	" "	" ✓
Empire Brick Works' ✓ STACK 1933, stack	41	31	1671.	73	58	1113.	" Topo.	" ✓
tall ✓ TALL 1933, yellow stack	41	32	1390.4	73	58	590.0	" Triang.	" ✓
Government Hospital ✓ SILVER TANK 1933	41	32	1099.2	73	57	1052.8	" "	" ✓
Matthew Hospital ✓ MATT 1933, stack	41	31	246.5	73	56	1336.6	" "	" ✓
Matthew Hospital ✓ GREEN TANK 1933	41	31	993.4	73	56	1110.4	" "	" ✓

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

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

J. M. Albert

Oct. 1934

Applied to chart 283 J.M.A. June 1935