

4782

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
~~Hydrographic~~

Sheet No. "D" 4782

LOCALITY

Hudson River

Cornwall to Newburgh

19 33

CHIEF OF PARTY

C. A. Egnor

U. S. GOVERNMENT PRINTING OFFICE: 1931

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "D"

CORNWALL-ON-THE-HUDSON TO NEWBURGH

HUDSON RIVER, NEW YORK

PROJECT NO. HT-147, 1933

M. V. NATOMA

C. A. EGNER, Commanding.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "D"

CORNWALL-ON-THE-HUDSON to NEWBURGH

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PROJECT NO. HT-147, 1933

M. V. NATOMA

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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. Hydrographic signals were located by intersection from triangulation stations, except in the case of those behind Dennings Pt., which were located from traverse. Topography along the shoreline was run directly from these signals or from three-point fixes. Inshore topography was obtained from traverses.

EXTENT:

This sheet comprises a survey of the shoreline and adjacent topography from Cornwall-On-The-Hudson to Newburgh, including Palopel Island and Beacon.

DESCRIPTION:

The shoreline on both sides of the river is generally rocky and lined with numerous old docks and piles along the water fronts of Cornwall-On-The-Hudson, Newburgh, and Beacon.

Numerous docks have been removed and new ones added all along both sides of the river. However, little changes were noted in the natural topography.

A concrete and brick breakwater has been built around the south and east sides of Palopel Island, and the fantastic castle-like structure, built on the east side of the island, is known as Bannerman's Island Arsenal. This small island now makes an excellent landmark from both river and air.

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 rodreadings, 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 rodreadings.

Vegetation lines and vegetation were sketched in.

The railroad drawbridge across Moodna Creek, south of Cornwall-On-The-Hudson, has been replaced by a deck-girder bridge as this creek is no longer navigable.

There was a great deal of difficulty experienced in running topography around the city of Beacon. Traverse points would check in latitude but would have to be adjusted in longitude. This discrepancy was found also to exist in the junction of this sheet with topographic sheet "E" in this vicinity. It is thought that this discrepancy was due to the topography being done on one corner of the sheet and the consequent difficulty in keeping the board in orientation, also to the relatively weak fixes necessarily taken in that locality.

Due to this difficulty, it is recommended that this area around Beacon be checked if and when photographs are taken.

Detached topography around the azimuth line, located by request, on the Newburgh Free Academy grounds was done so that these marks may be conveniently located on photographs. Both marks are shown on the sheet with a standard triangulation station symbol, but only High School South Azimuth mark was located by triangulation. The north mark was located by topography.

NAMES:

The name of New Windsor, between Cornwall-On-The-Hudson and Newburgh, on the old chart, is no longer commonly used and for that reason was left off this sheet. This was a small settlement of workmen for the now abandoned shipyards in that locality and only a few small buildings now remain.

JUNCTIONS:

This sheet joins sheet "C" of 1933 at triangulation station HUBBARD 2, which is just south of Cornwall-On-The-Hudson, and sheet "E" at triangulation station STACK COLDWELL which is on the north side of Newburgh.

STATISTICS:

Shore line	22.8 statute miles
Traverses	36.3 " "
Area covered	4.0 sq. " "

LANDMARKS:

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

Respectfully submitted,

Paul Taylor
Paul Taylor,
Aid.

Approved and forwarded:

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

TOPO SIGNALS

SHEET "D".

NAME	Latitude		Longitude			Description
	o	' Seconds in Meters	o	' Seconds in Meters		
Boul	41	26 1500 (351)	73	58 1210 (183)	N.R.	Whitewashed rock.
Mo		1706 (144)		1297 (96)	"	Whitewashed rock.
Za	41	27 104 (1747)		1361 (32)	"	Signal cloth on telephone pole.
Zoo		283 (1568)	73	59 61 (1332)	R.	R. R. signal tower.
Pit		493 (1358)		110 (1283)	N.R.	Whitewashed rock.
Tul		510 (1341)		395 (998)	R.	East turret of breakwater.
Pal		469 (1382)		578 (815)	R.	West turret of breakwater.
Gib		606 (1245)		565 (828)	N.R.	Whitewashed rock.
Shel		648 (1203)		285 (1108)	R.	South gate turret.
Gat		668 (1183)		280 (1113)	R.	North gate turret.
Sea		809 (1042)		167 (1226)	N. R.	Whitewashed rock.
Gul		1035 (816)		186 (1207)	N. R.	Whitewashed rock.
Bum		1152 (699)		180 (1213)	R.	R. R. signal tower.
Cre		1589 (262)		192 (1201)	N. R.	Whitewashed rock.
Sig		1730 (121)		173 (1220)	R.	Steel R. R. signal tower.

NAME	Latitude		Longitude		Description
	o ' "	Meters	o ' "	Meters	
Con	41 28	72 (1779)	73 59	189 (1204)	N. R. Whitewashed pile.
End		206 (1645)		174 (1219)	N. R. West end of brick chute.
Brick		769 (1082)		93 (1300)	R. Square brick stack.
Yard		963 (888)		166 (1227)	N. R. Whitewashed pile.
Crab		1151 (700)		153 (1239)	N. R. Whitewashed pile.
Meat		1278 (573)		148 (1244)	N. R. Whitewashed pile.
Stack		1322 (529)	73 58	1300 (93)	R. Brick stack.
Cat		1605 (246)		1352 (40)	N. R. Whitewashed rock.
Flu		1825 (26)		1318 (74)	R. R. R. tool house flue.
Sup	41 29	73 (1778)		1299 (93)	N. R. Whitewashed rock.
Whip		262 (1589)		1248 (144)	R. Steel R. R. signal tower.
Ink		606 (1245)		732 (660)	R. Black steel tank.
Box		567 (1284)		1249 (143)	N. R. Black and white telephone box.
Yel	41 28	654 (1197)	73 58	787 (606)	R. West chimney of large yellow house.
Ge	41 29	736 (1115)		1333 (60)	N. R. Cable small shack.

NAME	Latitude		Longitude		Descriptions
	o	' Seconds in Meters	o	' Seconds in Meters	
Be	41	29 756 (1095)	73	59 116 (1276)	N. R. White wrapped pile
East		492 (1359)		186 (1206)	" North corner large sign board.
Bed		338 (1513)		256 (1136)	R. Small red boat house.
Fish		224 (1627)		243 (1149)	N. R. Flag on fish stake.
Flag		140 (1711)		344 (1048)	N. R. Flag on tree.
Tree		23 (1828)		403 (989)	N. R. Whitewashed tree.
La		0 (1851)		464 (928)	N. R. Whitewashed rock.
Broad		311 (1540)		501 (891)	N.R. Whitewashed rock.
Way		459 (1392)		491 (901)	N. R. Whitewashed rock.
May		606 (1245)		443 (949)	N. R. Whitewashed rock.
Post		794 (1057)		363 (1029)	N. R. Whitewashed pile.
Lat		918 (933)		342 (1050)	N. R. White banner.
Tall		944 (907)		207 (1185)	R. Tall one of two black stacks.
Red		1103 (748)		34 (1358)	N. R. R. R. switch post.
Blu		1364 (487)		40 (1352)	N. R. Whitewashed rock.
Fly		1672 (179)		112 (1280)	N. R. Whitewashed rock.

NAME	Latitude		Longitude			Description
	o	Seconds in Meters	o	Seconds in Meters		
Bis	41 29	1783 (68)	73 58	1377 (15)	R.	Black metal stack.
Cab	41 30	77 (1774)	73 59	161 (1231)	N. R.	Whitewashed rock.
Rock		220 (1631)		206 (1186)	N. R.	Whitewashed rock.
Rot		285 (1566)		468 (924)	N. R.	White banner on old ferry slip.
Lite		362 (1489)		486 (906)	N. R.	Light pole on dock.
Gas		448 (1403)		478 (914)	N. R.	Gasoline sign.
Bell		559 (1292)		485 (907)	R.	Beacon bell tower.
Boy		863 (988)		476 (916)	N. R.	White pile
Dump		965 (886)		394 (998)	N. R.	White banner.
Pil	41 28	45 (1806)	73 58	868 (525)	R.	Small green spire.
Tur	41 27	1235 (616)		1262 (131)	R.	Small turret on brick house.
Low	41 26	856 (995)	73 59	885 (508)	N. R.	Whitewashed rock.
Cit		867 (984)		1054 (339)	N. R.	R. R. yard sign.
Cove		1004 (847)		1222 (171)	N. R.	Flag on tree.
Rust		1165 (686)		1370 (23)	N. R.	Small rusty stack.
Cup		1345 (506)	74 00	255 (1138)	R.	Coal house gable.

NAME	Latitude		Longitude		Descriptions
	o	' Seconds in Meters	o	' Seconds in Meters	
Iron	41	26 1406 (445)	74	00 497 (896)	N. R. Whitewashed rock.
Coal		1590 (261)		812 (581)	R. R.R. water tank.
Yard		1814 (37)		1086 (307)	N R. Whitewashed boards.
Wal		1209 (642)		1129 (264)	R. White church spire.
Corn		1526 (325)		1351 (42)	R. Flagpole.
Mud	41	27 99 (1752)		1299 (94)	N. R. Small concrete box.
Pole		757 (1094)		1236 (157)	N. R. Small flagpole.
Flag		1096 (755)		1106 (287)	N. R. White flag.
Dive		1304 (547)		1010 (383)	N. R. Whitewashed pile.
Peel		1716 (135)		1121 (272)	N. R. Whitewashed rock.
Rum	41	28 34 (1817)		1233 (159)	N. R. White telegraph pole.
Gin		253 (1598)		1156 (236)	N. R. Whitewashed rock.
Sut		407 (1444)		1129 (263)	N. R. Whitewashed rock.
Big		672 (1179)		1176 (216)	R. South gas tank.
Gam		11 (1840)	74	01 353 (1039)	R. Windmill.
Twin		847 (1004)	74	00 1147 (245)	R. Large gasoline tank.

NAME	Latitude		Longitude		Description
	o ' °	Seconds in Meters	o ' °	Seconds in Meters	
Gas	41 28	963 (888)	74 00	1101 (291)	R. Large gasoline
Truk		1109 (742)		1002 (390)	N. R. Whitewashed pile.
Wop		1332 (519)		978 (414)	N. R. Whitewashed rock.
Nail		1524 (327)		851 (541)	N. R. Whitewashed pile.
Nat		1499 (352)		1140 (252)	R. East gable brick house.
Shed	41 29	119 (1732)		715 (677)	N. R. Whitewashed corner of shed.
Tydol		264 (1587)		723 (670)	R. Tydol gasoline tank.
Dol		414 (1437)		603 (789)	N. R. Flag on pile.
Hard		706 (1145)		741 (651)	R. Black metal stack.
Shi		686 (1165)		554 (839)	N. R. Whitewashed pile.
Wow		998 (853)		490 (902)	N. R. Whitewashed pile.
Boil		1214 (637)		517 (875)	N. R. Boiler of old wreck.
Do		1359 (492)		523 (869)	N. R. Small sign.
War		1645 (206)		442 (950)	N. R. Whitewashed pile.
Whip	41 30	134 (1717)		454 (938)	N. R. Whitewashed pile.
Berg		311 (1540)		406 (986)	R. Bell tower.

NAME	Latitude			Longitude			Descriptions
	o	'	Seconds in Meters	o	'	Seconds in Meters	
Pin	41	30	599 (1252)	74	00	416 (976)	N. R. Whitewashed pile.
Bull			715 (1136)			409 (983)	R. Newburgh dock flagpole.
Oar			860 (991)			443 (949)	R. East gable chute.
Dago			1011 (840)			446 (945)	N. R. White pile.
Ball	41	29	1370 (481)			711 (681)	R. Ball-shaped gas tank.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-4782

LANDMARKS FOR CHARTS

Newburgh, N. Y.

November 15, 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					DATUM	METHOD OF DETERMINATION	CHARTS AFFECTED	
	LATITUDE		LONGITUDE						
	O	I	D. M. METERS	O	I				D. P. METERS
PALOPEL ID. Beacon	41	27	577.5	73	59	683.8	N.A.	Triang.	282
BRICK, Sq. brick stack.	41	28	769	73	59	93	"	Topo.	"
STACK, Red brick stack.	41	28	1322	73	58	1300	"	"	"
BIS, Black metal stack.	41	29	1783	73	58	1377	"	"	"
SILVER STACK 1933	41	30	905.2	73	58	1297.1	"	Triang.	"
FISHKILL LDC. CH. SPIRE	41	30	443.8 703.4	73	58	941.6 1186.7	"	"	"
Steel PRESS 1933, water tank	41	27	183.6	74	01	87.3	"	"	"
South one of 3 large BIG, gas storage tanks.	41	28	672	74	00	1176	"	Topo.	"
Large brick SHIP STACK 1933, stack	41	28	1772.1	74	00	957.7	"	Triang.	"
Large white CITY 1933, flagpole.	41	29	1594.0	74	00	808.5	"	"	"
M. E. CHURCH SPIRE 1905	41	30	21.6	74	00	755.9	"	"	"
St. Patricks CHURCH SPIRE 1905	41	30	130.8	74	00	850.3	"	"	"
UNION PRESBY CLOCK TOWER 1905.	41	30	241.2	74	00	731.5	"	"	"
TRINITY CHURCH SPIRE 1905	41	30	473.2	74	00	934.2	"	"	"
FIRST PRESBY CHURCH SPIRE, 1905-1933	41	30	795.9	74	00	813.0	"	"	"
BAB, 1933, Church spire	41	30	770.3	74	00	717.0	"	"	"
Large CEMENT, concrete stack	41	30	460.0	74	00	725.7	"	"	"

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS

T-4782

Manhatch, N. Y.

November 15, 1938

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. Egan~~

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

U. S. GOVERNMENT PRINTING OFFICE: 1901

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REG. NO. 4782

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. 4782

State New York

General locality Hudson River

Locality Cornwall on The Hudson to Newburgh.

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

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 Season of 1930, 19____

Remarks: _____

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

J. M. Albert

Oct. 1934