

4703

U. S. COAST & GEODETIC SURVEY
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Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: New York

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. "E"

4703

LOCALITY

Hudson River, Grassy Point to

~~Gouldville~~

Grassy Point to Jones Point

1932

CHIEF OF PARTY

C. A. Egner

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES
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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. 4703

State New York

General locality Hudson River

Locality Grassy Point to ~~Caldwells~~ Jones Point

Scale 1/10:000 Date of survey July - Oct., 19 32

Vessel M. V. MATOLA

Chief of party C. A. Egner

Surveyed by John C. Bull

Inked by John C. Bull

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated May 25, 19 32

Remarks: _____

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC SHEET NO. "E"
PROJECT NO. 108
HUDSON RIVER, NEW YORK
GRASSY POINT TO CALDWELL

INSTRUCTIONS:

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

METHOD OF SURVEY:

Methods described in the Topographic Manual 144 were used. Signals were located by cuts from triangulation stations. Four short traverses were run. On the west side of the river two traverses were run; from signal Rib through Stony Point National Park to the railroad and from a three-point fix just south of triangulation station INN along highway 9W to locate triangulation station TOMPKINS SCHOOL 1881. These short traverses were not closed. On the east side of the river two traverses were run; from signal Kick through Verplanck. This traverse closed within the allowable limit and was adjusted. A spur line was run from signal Eva eastward to the fork in the road. The rest of the road was sketched in to meet highway 9E at a point just north of triangulation station STAN.

Topographic features north of Lents Cove are not shown on this sheet because this area is covered by the next sheet which is on a 5000 scale.

EXTENT:

This sheet comprises a survey of the shore line of the Hudson River from Stony Point to Caldwell.

DESCRIPTION:

The shore line in this section is uniform, rocky , and abrupt. There is practically no change in the shore line at high and low water.

CONTROL:

The control was furnished by second and third order triangulation brought forward from Project 66, Hudson River, New York, 1930.

MAGNETIC DECLINATION:

A Magnetic Declination was taken at triangulation station JONES 2, 1932.

NEW NAMES:

None.

STATISTICS:

Shore line	13.0 statute mi.
Traverse	2.6 " "
Area	8.0 sq. statute mi.

LANDMARKS:

Shown on Form 567 "Landmarks for Charts.

Respectfully submitted,

John C. Bull
John C. Bull,
Aid.

Approved and forwarded,

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

REVIEW OF TOPOGRAPHIC SURVEY No. 4703

Title (Par. 56) *Grassy Pt. to Caldwell, Hudson River, New York*
 Chief of Party *C.A. Egner* Surveyed by *J. C. Bull* Inked by *J. C. Bull*
 Ship *Natonua* 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-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.) *None submitted*
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 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 compi-
lation 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.) *Listed in Desc. Rep.*
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.)
19. Junctions with contemporary surveys are adequate. ✓
20. Geographic names are shown on the sheet and are covered by the Des-
criptive 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: *Water signals are named and described on the hyd. sheet*

Reviewed in office by *R.J. Christman, Jan. 5, 1934.*

Examined and approved:

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

T.S. Borden
Chief, Section of Field Work
G. W. Anderson
Chief, Division of Hyd. and Top.

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T4703 -

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

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	"		"		
East side	o	' meters	o	' meters	
Out	41-14	226 (1625)	73-56	1025 (372)	W. pile.
High		338 (1513)		829 (568)	Brick stack. ✓
Pole		425 (1426)		1350 (47)	Flag pole. ✓
Lip		370 (1481)	73-57	10 (1387)	N. R.
Bee		473 (1378)		140 (1257)	N. R.
Hive		642 (1209)		159 (1238)	Flag pole. ✓
Hunt		734 (1117)		257 (1140)	N. R.
Plot		949 (902)		329 (1068)	N. R.
Sum		1119 (732)		300 (1097)	Summer house. ✓
Mid		1450 (401)		399 (998)	N. R.
Saw		1466 (385)		205 (1192)	N. R.
Food		1689 (162)		432 (965)	N. R.
Dirt		1655 (196)		836 (561)	Small house on beach.
Chim		1742 (109)		956 (441)	Center chimney, brick house. ✓
Ty		1700 (151)		1187 (210)	West end of south horizontal gas tank.
Kick		1835 (16)		1349 (48)	Derrick. ✓

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NAME	LATITUDE		LONGITUDE		DESCRIPTION
	"		"		
East side	o ' meters		o ' meters		
Live	41-15	149 (1702)	73-57	1323 (94)	W. gable, green roof.
Oil		315 (1536)		1388 (9)	South gas tank.
Soc		633 (1218)		1278 (119)	South gas tank east of old ferry slip.
Coal		787 (1064)		1345 (52)	West gable, coal shed.
Dust		1042 (809)		1257 (140)	West gable, north shed of rockcrusher plant. ✓
Trap		1135 (716)		1187 (210)	House--end of rock chute.
Tip		1537 (314)		1056 (341)	N. R.
Toe		1681 (170)		893 (504)	N. R.
Son		1809 (42)		770 (627)	N. R.
Chip	41-16	272 (1579)		414 (983)	Flagpole near beach. ✓
Eva		267 (1584)		283 (1114)	Flag pole, hill top. ✓
Foot		331 (1520)		414 (983)	West gable, south dock, Day Line Park. ✓
Nose		475 (1376)		314 (1083)	West gable--North dock, Day Line Park. ✓
Eye		558 (1293)		233 (1164)	N. R.
Ear		748 (1103)		54 (1343)	N. R.

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	"		"		
East side	o	' meters	o	' meters	
Tar	41-16	839 (1012)	73-56	1350 (47)	N. R.
Hope		865 (986)		1265 (132)	N. R.
Ton		908 (943)		1178 (219)	N. R.
Bar		826 (1025)		989 (408)	N. R.
Good		605 (1246)		897 (500)	N. R.
Sue		735 (1116)		893 (504)	N. R.
Head		621 (1230)		666 (731)	N. R.
Back		832 (1019)		771 (626)	West gable, small shed.
Gas		1033 (818)		812 (584)	Center of south gas tank. ✓
Barn		1190 (661)		855 (541)	N. R.
Pig		1264 (587)		708 (688)	N. R.
Sap		1411 (440)		603 (793)	N. R.
Toy		1371 (480)		419 (977)	N. R.
Run		1536 (315)		367 (1029)	N. R.
West side					
Gabe	41-13	(495)	73-58	846 (551)	Yellow gable, green roof.
Bay		(159)		768 (629)	N. R.

NAME	LATITUDE "	LONGITUDE "	DESCRIPTION
West side	o ' meters	o ' meters	
Edge	41-13 (9)	73-58 750 (647)	N. R.
Wood	41-14 199 (1652)	861 (536)	Large brick stack. ✓
Tree	432 (1429)	749 (648)	N. R.
Pin	725 (1126)	586 (811)	N. R.
Dill	800 (1051)	376 (1021)	N. R.
Elto	965 (886)	340 (1057)	N. R.
Fort	1080 (771)	557 (840)	N. R.
Rib	1133 (718)	720 (677)	N. R.
Cart	1153 (698)	860 (537)	N. R.
Flip	1319 (532)	868 (529)	N. R.
Top	1454 (397)	907 (490)	N. R.
Box	1532 (319)	939 (458)	N. R.
Cross	1683 (168)	980 (417)	N. R.
Dol	41-15 39 (1812)	978 (419)	N. R.
Chute	186 (1665)	1017 (380)	East end of rock chute. ✓
Boy	584 (1267)	1030 (367)	N. R.

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	"		"		
West side	o	' meters	o	' meters	
Girl	41-15	769 (1082)	73-58	1003 (394)	N. R.
Hen		954 (897)		1020 (377)	East gable, green roof.
Bell		1434 (417)		1055 (342)	N. R.
Fish		1550 (301)		970 (427)	N. R.
Green		1669 (182)		1008 (389)	Green cupola.
Baby		1849 (2)		864 (533)	W. R.R. box. ✓
Nut	41-16	128 (1723)		824 (573)	East gable, red roof garage.
Trim		207 (1644)		785 (612)	East gable, yellow garage.
Bat		257 (1594)		788 (629)	Flag pole.
Fall		431 (1420)		698 (699)	Stone chimney.
Bit		584 (1267)		621 (776)	N. R.
Cut		713 (1138)		584 (813)	Flag station.
Fir		804 (1047)		507 (890)	N. R.
Race		980 (871)		476 (921)	N. R.
Monk		1139 (712)		492 (904)	Flag pole, filling station. ✓
Key		1243 (608)		458 (938)	Center gable, house on hillside.

NAME	LATITUDE		LONGITUDE		DESCRIPTION
	"		"		
West side	o	' meters	o	' meters	
Jay	41-16	1362 (489)	73-58	250 (1146)	South gable, red roof.
Bird		1382 (469)		210 (1186)	Brick chimney.
Lim		1370 (481)		128 (1268)	White railroad box. ✓
Cloud		1399 (452)		55 (1341)	Chimney, tar paper roof.
Stik		1411 (440)	73-57	1359 (37)	White railroad box. ✓
Mad		1477 (374)		1164 (232)	N. R.
Dog		1488 (383)		1030 (366)	N. R.
Tail		1579 (272)		915 (481)	N. R.
School		1606 (45)		901 (495)	Cupola school house. ✓

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

T-4703

LANDMARKS FOR CHARTS

Norfolk, VirginiaDecember 8, 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. Egner, H. & G. E.

Chief of Party.

DESCRIPTION	POSITION					METHOD OF DETERMINATION	CHARTS AFFECTED
	LATITUDE		LONGITUDE		DATUM		
	°	'	D. M. METERS	°			
STONY POINT L.H. <i>Tower light</i>							
1851-81, 1932	41	14	689.7	73	58	458.0	N.A. Triang. 281 ² ✓
STACK ROCKCRUSHER 1932	41	15	295.0	73	58	1254.9	" " 281 ² ✓
Chimney on the road house known as "Come Inn"							
INN 1932	41	15	1805.2	73	58	995.2	" " 281 ² ✓
VERPLANCK SQUARE WHITE CUPOLA, 1881	41	15	368.3	73	57	1033.9	" " 281 ² ✓
Square tower							
CROSS 1901	41	15	799.6	73	57	918.6	" " 281 ² ✓
Wedge-shaped belfry on Episcopal Church.							
WEDG : 1932	41	16	1819.2	73	57	877.8	" " 281 ² ✓
North flagpole at Day Line Park. Foot	41	16	331.0	73	57	414.0	" Topo. 281 ² ✓
South flagpole at Day Line Park. Chip	41	16	272.0	73	57	414.0	" " 281 ² ✓
Steel tank at Fleischmans plant. FLY 1932	41	16	1009.7	73	56	669.1	" Triang. 281 ² ✓
Stack at Fleischmans plant. MAN 1932	41	16	1207.2	73	56	520.3	" " 281 ² ✓
Peekskill Brewery Ventilator. VENT 1901	41	16	1380.2	73	56	606.7	" " 281 ² ✓

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.

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

J. M. Albert

Oct. 1934

GEOGRAPHIC NAMES

Date Jan. 15, 1935Chart No. 282Names approved Jan. 15, 1935. *H.M.S.*Diagram No. OK. Harlow Bacon

*, Approved by the Division of Geographic Names, Department of Interior.

C, Not Approved by the Division of Geographic Names, Department of Interior.

R, Referred to the Division of Geographic Names, Department of Interior. *R *Decided in favor of Tomkins without referring to D.G.N.*

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	Tompkins Cove ^{R *}	<u>Tomkins Cove</u> , same on U.S.G.S. & U.S.E. blueprint #27129 RR Guide and P.O.			
	Caldwell	Caldwells & on U.S.G.S. also U.S.G.B. decision same <u>Jones Point</u> - <u>U.S.G.B. decision</u>			
	Verplank (Pt and Town)	<u>Verplanck</u> & on U.S.G.S. also U.S.G.B. decision			
	Tompkins Cove ^{R *} <u>Tomkins</u>	On survey sheet U.S.C. & G.S. H-2564, 1901; T-2559, 1901; <u>Tomkins</u> on T-5284, 1933; Thompsons on T-480, 1854.			
	<u>Stony Point</u> (Village)	Same			41° 18.5 73° 58.7
	<u>Hudson River</u>	Same			
	<u>Stony Pt.</u> (Point)	"			41° 14.5 73° 58.4
	<u>Montrose Point</u>	"			
	<u>Georges Island</u>	"			
	<u>Greens Cove</u>	"			
	<u>Lake Meahagh</u>	Same			
	+ <u>Indian Pt.</u>				
	<u>Lents Cove</u>	Same			
	+ <u>Charles Pt.</u>				
	+ <u>Travis Pt.</u>				
	<u>Stony Point Bay</u>	Same			
	+ From Hopkins Atlas of Westchester County N.Y. 1929				