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U. S. COAST & GEODETIC SURVEY
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Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: N.Y.

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. "E" 4560

LOCALITY:

Hudson River

Irvington to Tarrytown, N.Y.

1930

CHIEF OF PARTY:

C.A. Egner, Ch. of Pty. M.V. Natoma.

4560

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.
4560

th 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. 4560

State New York

General locality Hudson River

Locality ~~Tarrytown~~ Irvington to Tarrytown

Scale 1:5,000 Date of survey October, 1930

Vessel M.V. Natoma

Chief of Party G.A. Egner

Surveyed by M.H. Reese

Inked by J.C. Tison, Jr.,

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated July 22, 1930

Remarks:

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET "E"

HUDSON RIVER - VICINITY TARRYTOWN, N.Y. SEASON, 1930

AUTHORITY:

This work was executed under the Director's orders dated July 22, 1930.

EXTENT:

Re-survey of the East shore of the Hudson River from Irvington to Tarrytown, N.Y.

GENERAL DESCRIPTION:

The high water line along the East shore of this section of the Hudson River is paralleled by the New York Central Railroad tracks from Irvington northward to the outskirts of Tarrytown. A ridge of rolling hills begins to rise immediately to the East of these tracks, and reach their maximum height about one mile back from the river. The slope thus formed is covered with large estates and in general is heavily wooded, with occasional open patches of lawn grass. The high and low water lines are practically coincident, and consist of an almost vertical bank of large rocks about five feet high. At the southern limit of Tarrytown the high water line turns abruptly West, and a point of land known as "Kingsland Point", juts out into the river for a distance of about one-half mile. This point is lined with large docks and industrial plants, except for its extreme western tip, which is covered with large trees and grass and serves as a public park.

On the West side of the river the northern side of Piermont Pier was surveyed, and the high water line carried in to its junction with the mainland. This pier is used exclusively as a ferry landing by the Irvington-Piermont Ferry Co.

LANDMARKS:

All prominent landmarks are described on Form 467, "Landmarks for Charts" and will be submitted in connection with the control for air photographs of this area.

SURVEYING METHODS:

The topography was executed by the three point fix and resection methods, except for a short traverse run between triangulation stations "Doc" and "Tar". This traverse was re-run until it checked exactly.

CHANGES IN SHORELINE AND OTHER CHANGES:

There appears to be no noticeable change in the shoreline along this section of the Hudson River, and all filling in for docks along the Tarrytown waterfront seems to be completed.

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET "E" (CONT'D).

CHANGES IN SHORELINE AND OTHER CHANGES (CONT'D).

A small private dock has been built just north of triangulation station "Tar".

All buoy locations are shown on Hydrographic Sheet #5, and were made by sextant angles.

STATISTICS:

Number of statute miles of shoreline surveyed - 4.0

Number of statute miles of railroads surveyed - 2.5

Respectfully Submitted

J. C. Tison, Jr. Aid.
J. C. Tison, Jr., Aid,
Coast and Geodetic Survey.

Approved and Forwarded,

C. A. Egner
C. A. Egner, Commanding,
U. S. C. & G. S. M. V. Natoma

- LIST OF TOPOGRAPHIC STATIONS -
EAST SHORE HUDSON RIVER - SHEET "E" , - 1930.

No.	Station	Latitude	D.M.	Longitude	D.P.	Height	Description & Remarks
1.	Uno	41° 02 30	249 (676)	73° 52 00	475 (226)		Whitewash on Power Pole Not recoverable.
2.	Dos	41 02 30	424 (501)	73 52 00	418 (283)		Ditto
3.	Tres	41 02 30	506 (419) _L	73 52 00	393 (308)		Ditto
4.	Quat	41 02 30	638 (287)	73 52 00	372 (329)		Ditto
5.	Kin	41 02 30	845 (80)	73 52 00	353 (348)		Ditto
6.	Ses	41 03 00	103 (822)	73 52 00	348 (353)		Ditto
7.	Sep	41 03 00	316 (609) _m	73 52 00	343 (358)		Ditto
8.	Ock	41 03 00	711 (214)	73 52 00	313 (388)		Ditto
9.	Brik	41 03 00	902 (23)	73 52 00	277 (424)		S.W. Corner small ^{brick} bank power house
10.	Non	41 03 30	185 (740)	73 52 00	235 (466)		Whitewash on power pole. Not recoverable.
11.	Des	41 03 30	386 (539)	73 52 00	197 (504)		ditto
12.	Tow	41 03 30	844 (81)	73 52 00	113 (587)		ditto
✓ 13.	Pil	41 04 00	136 (789)	73 52 00	110 (590)		White banner on N.W.Cor.dock
14.	Day	41 04 00	298 (627)	73 52 00	41 (659)		White wash on power pole. Not recoverable.
15.	Co	41 04 00	292 (533)	73 52 00	32 (668)		White wash on rocks, not recoverable.
16.	Rat	41 04 00	560 (365)	73 51 30	691 (09)		ditto.
17.	Wat	41 04 00	732 (193)	73 51 30	664 (36)		ditto.
18.	Boat	41 04 30	41 (884)	73 51 30	678 (22)	30'	Flagpole S.W.cor.Boathouse.
✓ 19.	Tan	41 04 30	261 (664)	73 51 30	810 (90)	30'	Green water-tank.
20.	How	41 04 30	199 (726)	73 52 00	32 (668)		Small wooden shack on dock.
21.	Sig	41 04 30	257 (668)	73 52 00	273 (423)		Wh.Cloth on S.W.cor.Ferrydock.
✓ 22.	^N Man	41 04 30	323 (602)	73 52 00	268 (432)		N.W.Corner Ferry slip.
✓ 23.	Nal	41 04 30	524 (401)	73 52 00	260 (440)		Wh.Banner on S.W. Cor.Slip.

LIST OF TOPOGRAPHIC STATIONS ON EAST SHORE

OF HUDSON RIVER - SHEET "E" - 1 9 3 0


(CONT'D).

No.	Station	Lat.	D.M.	Long.	D.P.	Height	Description and Remarks.
✓ 24.	Cat	41 04 30	614 (311)	73 52 00	100 (600)		Center small frame house in S.E. corner slip.
✓ 25.	La	41 04 30	605 (320)	73 52 00	295 (405)		N.W. corner slip
✓ 26.	Lot	41 04 30	711 (214)	73 52 00	389 (311)		N.W. corner dock.
✓ 27.	Dol	41 05 00	56 (859)	73 52 00	416 (284)	10'	Dolphin 50 meters west of face of dock.
✓ 28.	Lar	41 05 00	345 (580)	73 52 00	574 (126)		Large boulder at H.W.L.
29.	Brek	41 05 00	621 (304)	73 52 00	605 (95)		West end of stone breakwater
30.	Gre	41 05 00	182 (743)	73 52 00	434 (266)		S.W. corner small green shack

LANDMARKS FOR SHEET " E " AS SHOWN ON PHOTOGRAPHS

DESCRIPTION	METHOD OF LOCATION	PHOTO NO.
Church, Irvington	Triangulation	15 - 585
Clock	"	15 - 585
Sky	"	15 - 146
Steve	"	15 - 146
White	"	15 - 146
Four	"	15 - 147
Over pass	Topography	15 - 581
Yel	Triangulation	15 - 581
Catholic Church Spire	Photograph	15 - 577
Washington Irvin High School White cupola	"	15 - 574
Stack	"	15 - 574
Thin	Triangulation	15 - 574
Boat house at O BOAT	Topography	15 - 573
2 Stacks (front range for channel)	Photograph	15 - 572
Gas reservior	"	15 - 572
Reformed Church	Triangulation	15 - 572
Pope	"	15 - 571
Let	"	15 - 571
Tarrytown Light House	"	15 - 486
Chev	"	15 - 485

DESCRIPTION	METHOD OF LOCATION	PHOTO NO.
Fish	Triangulation	15 - 485
Chevrolet Assembly Plant	Photograph	15 - 484
"Fisher Body" Plant	"	15 - 484
Apartment house, John D. Rockefeller Jr.	"	15 - 483
Grey	Triangulation	15 - 488
West	"	15 - 488
Short	"	15 - 489
La	"	15 - 493


C. A. Egner,
Chief of Party,
MEX. NATOMA.