

# 4558

Diag. Ch't. No. 281-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey

*Topographic*

Field No.

Office No.

*4558*

### LOCALITY

State

*New York, N.Y.*

General locality

*Hudson River*

Locality

*Yonkers South*

*Hastings*

1930

CHIEF OF PARTY

*C.A. Egner*

LIBRARY & ARCHIVES

DATE

*December 18, 1930*

B-1870-1 (11)++

4558

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U. S. COAST & GEODETIC SURVEY  
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Form 504  
Ed. June, 1923

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

..... Director



State: N.Y. - N.J.

DESCRIPTIVE REPORT

Topographic } Sheet No. "C"  
~~Hydrographic~~ } 4558

LOCALITY

Hudson River

Yonkers - South Hastings

19..30

CHIEF OF PARTY

C. A. Egner

4558

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4558

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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. "C"

REGISTER NO. 4558

State New York - New Jersey

General locality Hudson River

Locality Yonkers - South Hastings

Scale 1:5000 Date of survey September, 19 30

Vessel M. V. NATOMA

Chief of Party C. A. Egner

Surveyed by George R. Shelton

Inked by George R. Shelton

Heights in feet above H.W. to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated July 22, 19 30

Remarks:

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET NUMBER "C"

HUDSON RIVER YONKERS TO SOUTH HASTING

INSTRUCTIONS:

This survey was made under the Director's Instructions dated July 22, 1930.

SURVEY METHOD:

The usual plane-table method of survey was used, namely, three point fixes and resections, no traverse being run. The control used consisted of second and third order triangulation.

EXTENT:

This sheet comprises a re-survey of the shore lines of the Hudson River from Spreckel's Sugar Plant in Yonkers to Greenborough on the East; and on the west side of the river from a point directly opposite the National Sugar Plant to Forrest View play grounds. It is joined on the South by topographic sheet "B" and on the North by topographic sheet "D".

DESCRIPTION:

On the West side of the river the shore line is broken by numerous small indentations but no prominent points appear. The shore line, except when broken by docks and piers, consists of a rock wall from three to four feet high. A trail runs along the shore line from five to fifteen meters from high water throughout the length of the sheet.

The Palisades rise in a sheer bluff from fifty to one hundred meters back of the high water. The bluffs are rock and are a brownish red in color. The area between the bluffs and the shore line is quite steep and heavily wooded for the most part. The bluffs rise to a height of 400 to 500 feet. The area between the high water line and the bluffs is owned by the Palisades Inter-state Park Commission.

Alpine Beach is a play ground for children. There is also a Yacht Basin at this place. There is a ferry slip at the South end of this beach. The park buildings are for the most part constructed of unbarked logs giving a rustic effect.

Twombly Pier is the next landing of any importance.

There is no play grounds here but there is one park building being used as a shelter from rain. North of this pier about a quarter of a mile is a camp site used during the summer months by tourists. The temporary piers are removed in the fall and the camps are completely deserted.

Forrest View on the North end of this sheet is a large park formed by filling in the shoal water. Two piers project out into water deep enough to afford a landing place for excursion boats. This beach is used primarily as recreation place for poor Mothers and their children who are given outing's by the Police Department of New York City. There is one large building being used to afford shelter in case of rain.

The water front along the business district of Yonkers consists almost entirely of private docks with the exception of the first pier North of the National Sugar Plant, which belongs to the City.

Beginning at Glenwood the shore line is quite regular except when broken by small docks and piers of no importance.

Beginning at the Habirshaw Cable Co. plant the New York Central Rail Road parallels the shore line from five to ten meters from high water. The high water line is formed by the rock fill which forms the bed of the rail road. The high and low water lines are practically coincident. The rail road has four tracks for the most part and is electrified.

The area back of the rail road is broken by numerous hills the slopes of which are heavily wooded. This area is sub-divided into large estates.

#### COMPARISON WITH PREVIOUS SURVEYS:

All the piers on the West side of the river have been removed and new ones built as indicated on the topographic sheet. The play ground at Alpine Beach (Cloister landing on the old chart) was formed by filling in the shoal water. The shore line at Forrest View has been changed by filling in.

The only change in shore line on the East side of the river of any importance appears to be at the City dump. The limit of the fill seems to have been reached as a retaining wall has been constructed around the dump. Most of the docks along the Yonkers water front appears to have been re-built.

#### STATISTICS:

Shoreline	9.2 miles (Stat.)
Rail road	4.2 " "
Area	3.5 sq. mi. Stat.

LANDMARKS:

All prominent landmarks are described on Form 567  
"Landmarks for Charts"

Respectfully submitted,

*George R. Shelton*  
George R. Shelton,  
Jr. H. & G. Engr.

Approved and forwarded;

*C. A. Egner*  
C. A. Egner,  
Chief of Party.

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LIST OF STATIONS TO ACCOMPANY TOPOGRAPHIC

SHEET " C "

NAME	LATITUDE	D.M.	LONGITUDE	D.P.	REMARKS
		622		678	
Law (Rock sheet 2)	40 55 30	(303)	73 55 00	(24)	W.W. not recoverable
		921		612	
Sat	40 55 30	(04)	73 55 00	(90)	" " "
		638		171	
Pin	40 56 30	(287)	73 55 00	(531)	Flag pole at Alpine Beach.
		894		151	
Rip	40 56 30	(31)	73 55 00	(551)	W.W. not recoverable
		217		53	
Ban	40 57 00	(708)	73 55 00	(649)	Banner, N.E. corner of small dock
		563		621	
Old	40 57 00	(362)	73 54 30	(81)	N.E. corner of remains of an old pier.
		756		541	
Per	40 57 00	(169)	73 54 30	(161)	S.E. Corner of pier
		129		539	
Pal	40 57 30	(796)	73 54 30	(163)	W.W. not recoverable
		100		163	
Cad	40 58 00	(825)	73 54 30	(539)	Flag pole not recoverable
		270		156.5	
Won	40 58 00	(655)	73 54 30	(548)	W.W. not recoverable
		577		115	
Wit	40 58 00	(348)	73 54 30	(587)	" " "
		39		16	
Cal	40 58 30	(886)	73 54 30	(686)	W.W. rock, cone shaped, 20' high, 17 meters from H.W.L.
		414		651	
Wop	40 58 30	(511)	73 54 00	(51)	W.W. not recoverable
		591		437	
Cin	40 58 30	(334)	73 54 00	(265)	S.E. cor. of S.Pier at Forrest View
		715		407	
Ner	40 58 30	(210)	73 54 00	(295)	S.E. cor. of N.Pier at Forrest View
		186		477	
Men	40 59 00	(739)	73 54 00	(225)	W.W. not recoverable
		55		256	
Oh	40 59 00	(870)	73 53 00	(446)	" " "

NAME	LATITUDE	D.M.	LONGITUDE	D.P.	REMARKS
✓ Re	40 58 30	690 (235)	73 53 00	326 (376)	Concrete bases of steps at W. end of overpass
✓ Ade	40 58 30	233 (692)	73 53 00	472 (230)	N.W. of Palisade boat ho.
✓ Tor	40 58 30	208 (717)	73 53 00	476 (226)	Flag pole at Palisade Boat Club
Ga ✓	40 58 00	283 <i>291</i> (692)	73 53 00	638 (64)	Small house
Car	40 57 30	721 (204)	73 53 30	10 (692)	Switch house
Bill	40 57 30	499 (426)	73 53 30	145 (559)	Flag pole at Corinthian Yacht Club
Bey	40 57 00	796 (129)	73 53 00	651 ( 51)	Flag pole on Abbey Inn
Dog	40 57 00	845 (80)	73 53 30	479 (223)	N.W. cor. of an old Pier
Cup	40 57 00	491 (434)	73 53 30	422 (280)	Cupola on old house
Lag	40 57 00	460 (465)	73 53 30	422 (280)	Flag pole near Cup
Ack ✓	40 56 30	650 (275)	73 54 00	75 (627)	Stack, Habirshaw Cable Co., plant
Ho ✓	40 56 00	210 (715)	73 54 00	175 (527)	N.W. Cor. of small house
Bin ✓	40 56 00	204 (721)	73 54 00	432 (270)	Flag Pole on City of Yonkers Dock.



LANDMARKS SHOWN ON AERIAL PHOTOGRAPHS, ON

AERA COVERED BY SHEET " C "

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EAST SIDE OF RIVER

LANDMARK AND DESCRIPTION	METHOD OF LOCATION	PHOTOGRAPH NUMBER
City	Triangulation	15 - 86
St. Mary's Church	"	15 - 86
Alec	"	15 - 86
TALLER	"	15 - 86
Sugar	"	15 - 86
Stack, Otis Elevator	"	15 - 86
Municipal Pier	Topography	15 - 86
Otis, water tank	Triangulation	15 - 87
Yonkers Ferry	Topography	15 - 87
Baptist Church	Triangulation	15 - 87
First Presbyterian Church	"	15 - 88
First Methodist Church	"	15 - 88
Junior High School	Photograph	15 - 88
Green Cupola, star on finial	"	15 - 88
Red brick building	"	15 - 88
ACK	Topography	15 - 89
Lake Ave., Water tower ( $\Delta$ OAK HILL)	Triangulation	15 - 89
Yonkers Yacht Club	Topography	15 - 89
Twin stacks ( $\Delta$ OUTER)	Triangulation	15 - 89
Yonkers Museum, green cupola and weather vane	Topography	15 - 91

Landmarks shown on Aerial Photographs, on area covered by Sheet "C"  
(Con't)

Description and Landmarks	Method of Location	Photo. No.
<u>EAST SIDE OF RIVER</u>		
Abbey Inn	<del>Topography Triangulation</del>	15 - 92
House, red roof	Photograph	15 - 92
Yellow Apartment, 7 story	"	15 - 93
Concrete retaining wall	"	15 - 93
Cupola	Topography	15 - 94
House with slate roof, 4 chimneys	Photograph	15 - 95
Untermeyer	Triangulation	15 - 95
Signal bridge	Topography	15 - 96
5 Story grey brick house	Photograph	15 - 97
7 Story apartment, dark red brick	"	15 - 97
HOT	Triangulation	15 - 97
Station and overpass	Photograph	15 - 99
Prominent house, Colonial porch with columns.	"	15 - 99
Dark grey house with two gables	"	15 - 99
Retaining wall	"	15 - 99
Palisades Yacht Club	Topography	15 - 101
Signal bridge	"	15 - 101
Over pass	"	15 - 101
Large apartment, red brick tower	Photograph	15 - 125
White Cylinders, Hudson Fuel Co.	"	15 - 125
Monastery or Steeple	Triangulation	15 - 128
Grey building, green slate roof	Photograph	15 - 132
Prominent Club House ( near $\triangle$ CLUB)	"	15 - 134

Landmarks shown on Aerial photographs, on aera covered by sheet "C"  
(Con't)

Landmarks and description	Method of location	Photo. No.
<u>EAST SIDE OF RIVER</u>		
Silver	Triangulation	15 - 134
<u>WEST SIDE OF RIVER</u>		
ROCK	Triangulation	14 - 265
Dark brown house, green cupola	Photograph	15 - 173
Square	Triangulation	15 - 173
House with green roof	Photograph	15 - 173
Miss Miles house, dark grey	"	15 - 173
House under construction, Fokker estate.	"	15 - 173
Green house, black roof	"	15 - 174
Yellow house, grey roof	"	15 - 175
Palisades Water Tank	Triangulation	15 - 177
Yellow house, dark roof	Photograph	15 - 178
Break in Trees, prominent landmark	Photograph	15 - 179
Two small houses, with green roofs	"	15 - 180
Ferry building	"	14 - 268
Pavilion	"	14 - 275
Pavilion	"	14 - 289

*C. A. Egner*  
C. A. Egner, Chief of Party