

8540

Diag. Cht. No. 369-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey SHORELINE

Field No Ph-54(49)B Office No. T-8540

LOCALITY

State NEW YORK

General locality STATEN ISLAND

Locality GREAT KILLS HARBOR

194

CHIEF OF PARTY

E.R. McCarthy, Chief of Field Party.

H.A. Paton, Baltimore Photogrammetric Office.

LIBRARY & ARCHIVES

DATE

Dec. 15-1953

8540

DATA RECORD

T- 8540

Project No. (II) Ph-54(49)B Quadrangle Name (IV):

Field Office (II): New Dorp, S.I., N.Y.

Chief of Party: E.R. McCarthy

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: H. A. Paton

Instructions dated (II) (III): 20 October 1949

Copy filed in Division of
Photogrammetry (IV)

Office Files

Method of Compilation (III): graphic

Manuscript Scale (III): 1:10,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 6-14-50 Date reported to Nautical Chart Branch (IV): 6-16-50

Applied to Chart No.

Date:

Date registered (IV): 29 Oct 1953

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III): MHW

Mean sea level except as follows:
Elevations shown as (25) refer to mean high water
Elevations shown as (5) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): ~~BARCLAY, 1903-08~~ Oakwood Heights, Sewage Disposal Plant, Red Cupola (N.Y.) 1930

Lat.: ~~40° 31' 33.825" (1043.3m)~~ 40° 32' 57.189 (1764.0m) Long.: ~~74° 10' 07.679" (180.7m)~~ 74° 06' 50.760 (1194.4)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV): Transverse Mercator

State:

New York

Zone:

East

Y=

191475.79

X=

545740.25

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

INAPPLICABLE

Areas contoured by various personnel
 (Show name within area)
 (II) (III)

DATA RECORD

Field Inspection by (II): W.H. Shearouse
J.A. Clear
J.T. Beecher
H.R. Spies
H.R. Moore
Planetable contouring by (II): —

Date: Jan. 1950

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):
Identified on field photographs

4-28-49

Projection and Grids ruled by (IV): T.L.J.

Date: 3-10-50

Projection and Grids checked by (IV): **F.J. Tarcza**

Date: 3-20-50

Control plotted by (III): **F.J.Tarcza**

Date: 3-20-50

Control checked by (III): **Wayne L. Lineweaver**

Date: 3-24-50

Radial Plot of Stereoscopic
Control extension by film. F.J.Tarcza

Date: 3-27-50

Planimetry

Stereoscopic Instrument compilation (III):

Date:

Contours

Date:

Manuscript delineated by (III): **D.A. Maskell**

Date: 5-9-50

Photogrammetric Office Review by (III): J.W. Vonasek

Date: 6-9-50

Elevations on Manuscript
checked by (II) (III):

Date:

Camera (kind or source) (III): U.S.C. & G.S. single lens type "D" focal length 12"

Number	Date	Time	Scale	Stage of Tide
D-70	4/28/49	0903	1:10,000	3.9' above MLW
D-71	"	0903	"	"
D-75	"	0910	"	"
D-76	"	0911	"	"
D-77	"	0911	"	"
D-78	"	0911	"	"

Tide (III)

From predicted tide tables

Reference Station: Sandy Hook, New Jersey.
Subordinate Station: Great Kills
Subordinate Station:

Ratio of Ranges	Mean Range	Spring Range
1.0	4.6	5.6
1.0	4.7	5.7

Washington Office Review by (IV): *Everett H. Ramey*

Date: *23 July 1952*

Final Drafting by (IV): *A.P. Berry*

Date: *9-10-52*

Drafting verified for reproduction by (IV): *L. Vancher*

Date: *9-15-52*

Proof Edit by (IV): *H. Striffler*

Date: *10-17-52*

Land Area (Sq. Statute Miles) (III): *4*

Shoreline (More than 200 meters to opposite shore) (III): *7.2*

Shoreline (Less than 200 meters to opposite shore) (III): *1.2*

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): *36*

Recovered: *19*

Identified: *21**

Number of BMs searched for (II):

Recovered: *2*

Identified: *2*

Number of Recoverable Photo Stations established (III): *3*

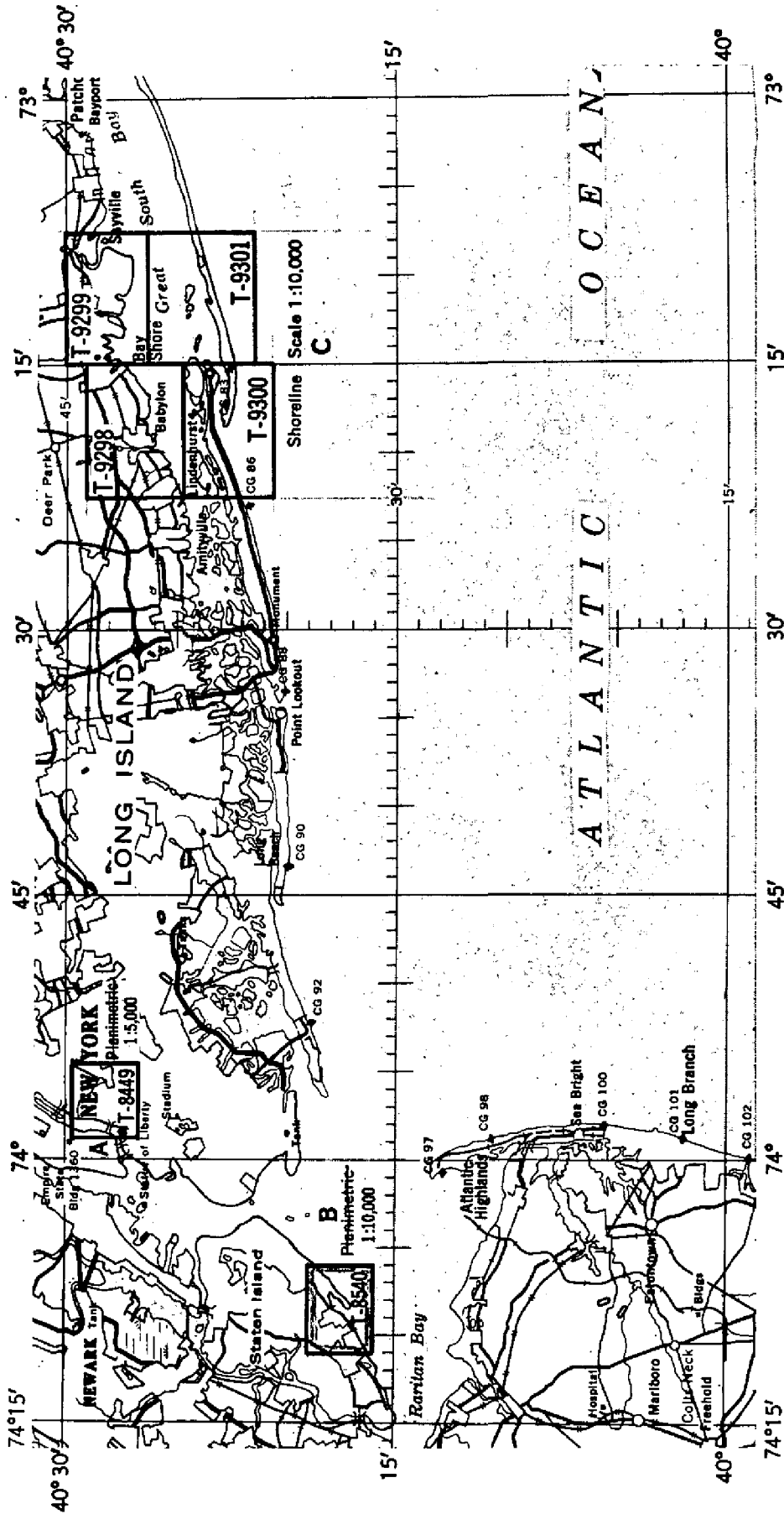
Number of Temporary Photo Hydro Stations established (III): *none*

Remarks:

* Includes HUGUENOT CHURCH, 1903 and MIDLAND BEACH, ELECTRIC POWERHOUSE, WATER TANK, 1930 which were classified as lost.

PLANIMETRIC AND SHORELINE MAPPING PROJECT PH-54 A-B-C (49)

NEW YORK, Long Island



SUMMARY TO ACCOMPANY SHORELINE SURVEY T-8540

Survey T-8540 constitutes the only survey of Project Ph-54 (49)B and covers Great Hills Harbor, Staten Island, New York, and some adjacent area.

This project is a graphic compilation project. Field work in advance of compilation included shoreline inspection, some inspection of interior features and the recovery and identification of horizontal control.

This survey was compiled at a scale of 1:10,000 and covers $2\frac{1}{2}'$ in latitude by $4'$ in longitude. Because it was originally planned as a planimetric survey more than the usual quantity of detail was compiled. The survey does not, however, fulfill the requirements for a planimetric survey.

Items registered under T-8540 will include a descriptive report and a cloth-mounted lithographic print of the manuscript at a scale of 1:10,000.

Field Inspection Report

2. Areal field inspection.--The area is the rolling type of countryside. East of Hylan Blvd., the main road traversing the area in a NE-SW direction, the rise is gradual, that part covered by the Great Kills Park being almost flat. West of the Boulevard the rise is more abrupt and hilly. The maximum elevation is about 125 feet.

Although this section is in the Borough of Richmond, one of the five Boroughs of New York City, it is in contrast with the others in that it is more like a small town. Great Kills, the main settlement was at one time an incorporated town and still retains its individuality though it has no official boundary lines. Except for this settlement the area is sparsely settled and undeveloped. There are some graded and maintained streets and many dedicated but undeveloped ones.

The area is adequately served by good roads and Great Kills Harbor is the home port of numerous small boats. Most of these are pleasure craft or small commercial fishing boats.

Vegetation is fairly heavy throughout, deciduous trees predominating. The exception is Great Kills Park which has been cleared of all vegetation. This Park is still being developed. Planted or volunteer grass is the only vegetation to be found.

Photographic coverage and quality are excellent. The photographs being of recent date there were very few features to be added or deleted. Field inspection is complete and believed to be adequate for compilation of an excellent map manuscript.

3. Horizontal Control.--All Coast and Geodetic Survey stations shown on the project diagram were searched for, of these the following are reported lost.

WYETH, 1903-08
GREAT KILLS, 1903-08
ST. MICHAELS, 1903-08
ELM TREE, 1903-08
HUGUENOT CHURCH, 1903-08

MIKE, 1931
GIFFORDS, 1903-08
MIDLAND BEACH,
FERRIS WHEEL, 1930
MIDLAND BEACH, ELEC., POWERHOUSE, W.T. 1930
GREEN RIDGE, DOLAN BRICK WORKS, STACK, 1931
HUGUENOT, STANDPIPE, 1930
OAKWOOD HEIGHTS, INCINERATOR CHIMNEY, 1930
STATEN ISLAND, S. WHITE CHIMNEY, 1930
MARINE, 1932
S. S. WHITE, 1903
STATEN ISLAND, WHITE ROOF, MIDDLE POLE, 1930
STEPS, 1932

HUGUENOT CHURCH, 1903-08, and MIDLAND BEACH ELECTRIC POWERHOUSE W.T., 1930, were identified for use in the photogrammetric plot.

The foundation blocks were found for the water tank and the center pricked direct.

The church foundation was recovered and the east end pricked direct. These points should prove of value in the plot as it is believed they are identified within 5 feet of their true position. *See sub-heading 23*

The Richmond Borough Engineers have primary traverse lines through the area. Copies of these were obtained and are submitted for any use they may be needed for. These people were very cooperative and interested in our work. Their traverses are believed to be accurate as are tied-in at our control stations. This is one of the few instances where unlimited local assistances could have been obtained although very little was needed.

4. Vertical Control.--Three tidal bench marks were searched for; two recovered and identified.

5. Contours and drainage.--Inapplicable.

6 Woodland cover.--Discussed under item 2.

7. Shoreline and alongshore features.--As stated under item 2 the photographs are of recent date. All alongshore features are shown with no new ones built since photography.

The mean high water line was located by measuring from identifiable topographic features and visual inspection.

8. Offshore features.--Offshore features are composed of wrecks close enough to shore to be inspected visually and labelled.

The foreshore is sand throughout and the low-water line was paced or taped from identifiable topographic features and symbolized accordingly or symbolized as approximate if not located accurately.

9. Landmarks and aids.--The three nonfloating aids to navigation appearing on the photographs were pricked direct and reported on Form 567, topographic station cards also being submitted. Two of these aids form a range and a point on range was identified. *See sub-heading 69*

There are no new landmarks worthy of charting. The incinerator stack presently charted no longer exists and Form 567 for its deletions *is being submitted, copy attached.*

10. Boundaries, Monuments and lines.--A set of City of New York Parks department topographical Maps showing the limits of Great Kills Park is being submitted. From these the exact limits can be scaled and applied to the map manuscript.

This area is in Richmond County (Borough), N.Y.C., a Sheets and Property map, obtained from the Borough Engineer, showing Ward limits **is being submitted.*

See sub-heading 41 ** Not mapped. E.H.*
11. Other control.--No Photo-Hydro or topographic stations were established. *See sub-heading 9*

12. Other interior features.--Roads in sparsely settled areas were classified. Only the main streets and roads in urban areas were classified. These were also named, the names being taken from posted street signs. *See sub-heading 68*

Streets were ridden out and public buildings labelled in urban areas. In rural areas class 2 buildings were carefully inspected and labelled or deleted.

There are no bridges over navigable water.

13. Geographic names.--This is the subject of a special report submitted with the data for this subproject under the date 28 Jan. 1950. *854.4**

14. Special reports and supplemental data.---The Geographic Names Report is the only special report.

Listed below are maps and plans submitted with this report as a part of the data for compiling the map manuscript.

Borough Engineer Topo. Maps-

No. R-T-16-100(index to detailed maps)

R-T-16-103

R-T-16-104

R-T-16-105

R-T-16-106

R-T-16-107

R-T-16-113

R-T-16-114

R-T-16-118

R-T-16-125

R-T-16-129

R-T-16-140

See sub-heading 67

2 sheets, City streets lay-out maps.

3 prints, showing primary traverse lines Borough of Richmond.

1 print, sheet no. 5 of Map of Borough of Richmond.

Above data filed in the Div. of Photogrammetry.

The transmitting letter on which this report is listed includes all data for this subproject.

Respectfully submitted
28 January, 1950

William H. Shearouse

William H. Shearouse
Cartographer

WHS

PHOTOGRAMMETRIC PLOT REPORT

PROJECT Ph-54(49)B

SURVEY T-8540

21. AREA COVERED

This photogrammetric plot is for the area of Survey T-8540, a planimetric survey of the area surrounding Great Kills Harbor, between Eltingville and New Dorp, in the Borough of Richmond, New York.

22. METHOD-RADIAL PLOT

Map Manuscripts

The map projection furnished by the Washington Office is on acetate, ruled at a scale of 1:10,000 with the polyconic projection in black and the New Jersey grid in red. No base sheet was furnished.

The horizontal control stations were plotted on the map projection sheet using beam compass and meter bar. The substitute stations and a reference mark were plotted graphically using a steel protractor.

A sketch showing the distribution of photographs and control stations is attached to this report.

Photographs

The photographs used in this radial plot are all single lens photographs taken with the type D camera, focal length 12 inches, at a contact scale of 1:20,000. Ratioed prints at a scale of 1:10,000 were used. There were thirteen (13) photographs used in the radial plot, numbered 49-D-68 to 49-D-80 inclusive.

Templets

Vinylite templets were made of all photographs, using a master templet to correct for paper distortion. The photographs were ratioed with collimation marks made by using a special glass plate in the enlarger.

Closure and adjustment to control

Since no base sheet was furnished, the radial plot was laid on the map projection sheet. With an abundance of control, no difficulty was encountered laying the plot. A majority of the photographs had three or more control points and could be fixed individually. Two control stations could not be held. One was doubtful in identification and the second was near another station (100 meters away), which was held. A third station SUB. PT. BARCLAY, 1903 could not be plotted because the position was not available for the azimuth station used in establishing the substitute station.

22. METHOD-RADIAL PLOT (continued)

Transfer of photogrammetric points

The position of all photograph centers and pass points were transferred by pricking directly on the back of the map projection sheet, which was turned over on a light table after the radial plot was completed.

23. ADEQUACY OF CONTROL

There was sufficient control for a good radial plot, and many of the photographs had three or more control points. The distribution of control was adequate.

There were three stations for which radially plotted position were established.

1. SUB. PT. ELTINGVILLE, COLUMBIA FISHING CLUB, FLAGPOLE (N.Y.) 1930, falls 0.8 mm northwest of the geographic position. The identification and position of this station were rechecked but no error was found. A cupola about 100 meters east of this station was held. It was noted that the published position for the flagpole is a "no check" position. It is assumed that either the flagpole has been moved or the position is in error by about 8 meters. The latter is more probably because the angle to the two stations from which it was established is only 7°.

2. HUGUENOT CHURCH, 1903 - The radially plotted position falls about 0.5 mm northwest of the geographic position. The identification of this station was doubtful. The church was destroyed and an attempt was made to prick the approximate position of the station in the ruins of the church. The error is believed to be in identification and will not affect the survey since the station is outside the survey limits by 2300 meters.

See sub-heading 3

3. SUB.PT. BARCLAY, 1903. The position of the azimuth station was not available and this substitute station could not be computed. There was sufficient control in the area without this station.

25. PHOTOGRAPHY

Photographic coverage was adequate and definition was good. No badly tilted photographs were found.

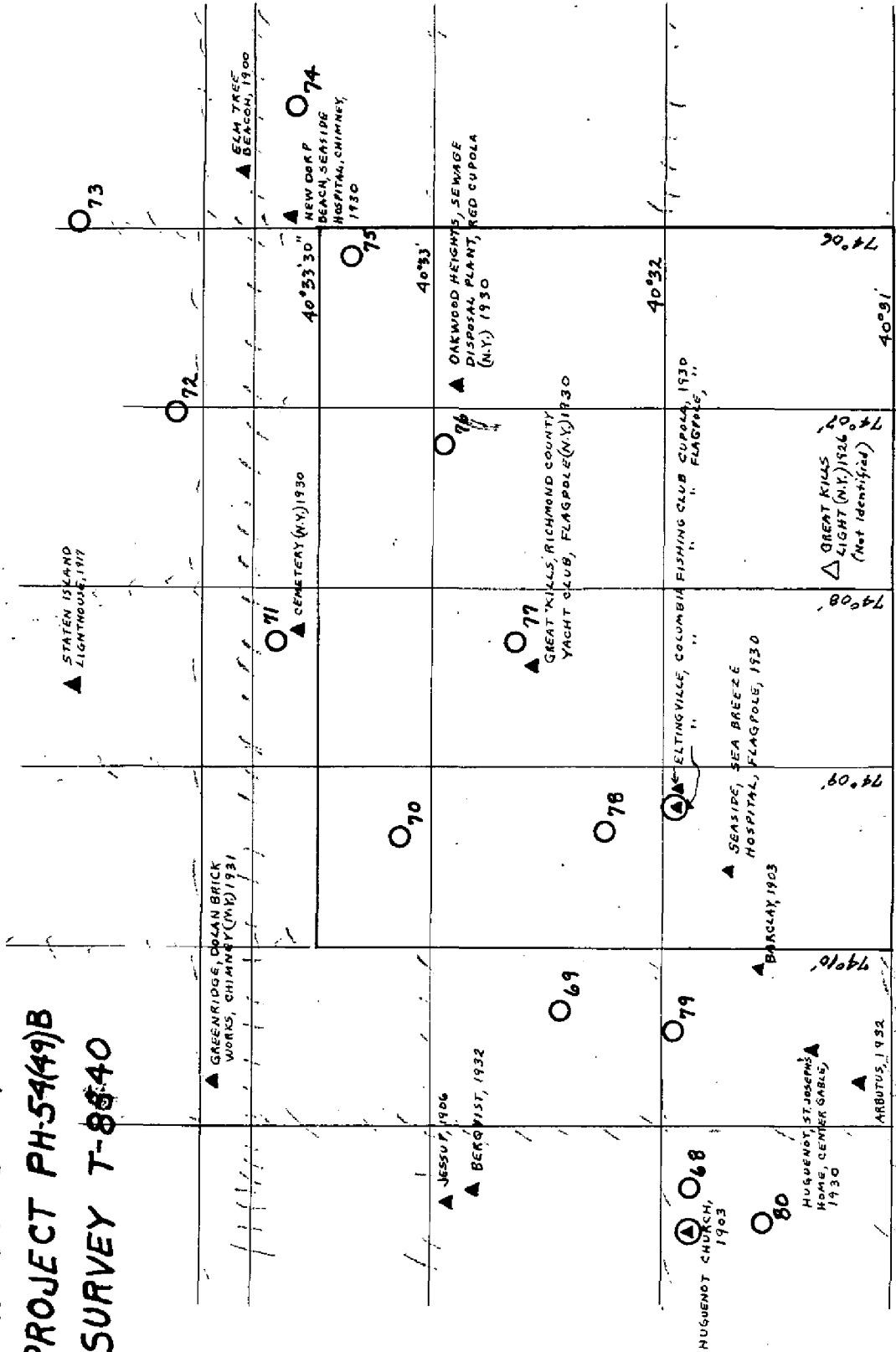
Respectfully submitted

Frank J. Marcza

Frank J. Marcza
Cartographer (Photo.)

km

LAYOUT SURVEY
PROJECT PH-54(49)B
SURVEY T-8840



- PHOTOGRAPH CENTERS
- ▲ TRIANGULATION STATIONS (Identified and Held)
- ⊙ TRIANGULATION STATIONS (Not Held in Radial Plot)

#901 6.10.20

MAP T. 8540

PROJECT NO. Ph-54(49)B

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ν -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
HUGENOT, ST. JOSEPH'S HOME CENTER GABLE, 1930	N.Y.C. P. 52	N.A. 1927	40 31 19.525				602.3	1248.4		<i>w. of map limits</i>
			74 10 32.190				757.7	654.6		
ARBUTUS, 1932	G-2477 P. 70	"	40 31 07.278				224.5	1626.2		<i>w. of map limits</i>
			74 10 36.934				869.4	543.0		
HUGENOT CHURCH, 1903-08	G-1228 P. 204	"	40 31 53.159				1639.7	211.0		<i>sta destroyed</i>
			74 11 27.150				874.4	537.8		
EARCLAY, 1903-1908	G-1228 P. 204	"	40 31 33.825				1043.3	807.4		<i>w. of map limits</i>
			74 10 07.679				180.7	1231.5		
BERQUIST, (NY) 1932	G-4123 P. 5	"	40 32 51.721				1595.3	255.4		<i>w. of map limits</i>
			74 11 22.563				530.9	880.9		
JESSUP, 1906	G-4123 P. 16	"	40 32 52.995				1634.6	216.1		<i>w. of map limits</i>
			74 11 22.898				538.8	873.0		
RM BERQUIST, (NY) 1932			PLOTTED GRAPHICALLY							<i>w. of map limits</i>
GREEN RIDGE, DOLAN BRICK WORKS, CHIMNEY (NY) 1931	N.Y.C. P. 96	NA 1927	40 34 01.423				43.9	1806.8		<i>n.w. of map limits</i>
			74 10 40.601				955.1	456.3		
SEASIDE, SEA BREEZE HOSPITAL FLAGPOLE 1930	G-2477 P. 59	"	40 31 41.570				1282.2	568.5		
			74 09 35.161				827.6	584.6		
SUB. PT. SEASIDE SEA BREEZE HOSP. FLAGPOLE, 1930			PLOTTED GRAPHICALLY							
ELTINGVILLE, COLUMBIA FISHING CLUB, CUPOLA (NY) 1930	G-2477 P. 59	"	40 31 55.892				1724.0	126.7		Page 14
			74 09 09.978				234.8	1177.3		
GREAT KILLS, RICHMOND GO. YACHT CLUB FLAG- POLE (NY) 1930	"	"	40 32 35.640				1099.3	751.4		<i>Sta disturbed</i>
			74 08 24.730				581.9	830.0		

1 FT. = 3048006 METER

COMPUTED BY H.R. Rudolph

DATE 3-13-50

CHECKED BY F.J. Tarozza

DATE 3/20/50

M. 2388-12

COMPILATION REPORT

T - 8540

31. DELINEATION

This survey was delineated by graphic methods.

32. CONTROL

The identification and density of horizontal control was adequate. Refer to report on horizontal control recovery by William H. Shearouse.

33. SUPPLEMENTAL DATA

Geographic name standards dated 2 February 1950, sheet No. 1 and sheet No. 2 on Army Map Service quadrangles "Arthur Kill, N.Y., N.J." and "The Narrows, N.Y., N.J." were furnished by the Washington Office.

The key map of Great Kills Park was used for the boundary.

See paragraph 14 of the field report.

See sub-heading 67

34. CONTOURS AND DRAINAGE

Contours - inapplicable

Drainage - No comment

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was adequate. The delineation of low water lines was based on field inspection.

36. OFFSHORE DETAILS

No comment

37. LANDMARKS AND AIDS

Three non-floating aids were pricked direct by the field party. Form 567 is being submitted for these aids. Form 567 for the deletion of Oakwood Heights Incinerator Stack as a landmark is also being submitted with this report. There are no new landmarks.

38. CONTROL FOR FUTURE SURVEYS

Forms 524 are being submitted for the three non-floating aids mentioned previously *under sub-heading 9.*

39. JUNCTIONS

None. There are no contemporary surveys adjacent to this survey.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment. *See sub-heading 66*

41. BOUNDARIES

There are no boundaries shown on this manuscript. The whole area is within the boundaries of Richmond County and the Borough of Richmond.

See sub-heading 67

42 to 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

This manuscript was compared with the Army Map Service quadrangles "Arthur Kill, N.Y., N.J.," and "The Narrows, N.Y., N.J.", scale 1:25,000, edition of 1947.

47. COMPARISON WITH NAUTICAL CHARTS

Survey No. T-8540 has been compared with U.S.C. & G.S. Chart No. 369, scale 1:40,000, published February 6, 1950 and corrected to March 20, 1950.

See sub-heading 65

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Respectfully submitted
9 May 1950

Doris A. Maskell J.S.
Cartographic Draftsman

Approved and forwarded
14 June 1950

Hubert A. Paton
Officer in Charge
Baltimore Photogrammetric
Office

48. GEOGRAPHIC NAMES

- Amboy Road
- Arden Ave
- *Borough of Richmond*
- Crookes Point*
- Eltingville
- Giffords Lane
- Great Kills
- Great Kills Harbor*
- Great Kills Park
- Hylan Boulevard
- Nelson Ave
- *New York (for title)*
- Oakwood Beach
- Raritan Bay
- Richmond Ave.
- *Staten Island (for title)*
- Staten Island Rapid Transit
- Wilson Ave.

* = recent (1950) U.S. B.G.N.
decisions.

Names preceded by • are
approved. Based on recent
names report. 7-21-50.
L. Heck.

PHOTOGRAMMETRIC OFFICE REVIEW

T- 8540

1. Projection and grids JWV 2. Title JWV 3. Manuscript numbers JWV 4. Manuscript size JWV

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy JWV 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) JWV 7. Photo hydro stations JWV 8. Bench marks JWV 9. Plotting of sextant fixes None 10. Photogrammetric plot report JWV 11. Detail points JWV

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline JWV 13. Low-water line JWV 14. Rocks, shoals, etc. JWV 15. Bridges None 16. Aids to navigation JWV 17. Landmarks JWV 18. Other alongshore physical features JWV 19. Other along-shore cultural features JWV

PHYSICAL FEATURES

20. Water features JWV 21. Natural ground cover JWV 22. ~~Planetable contours~~ 23. ~~Stereoscopic instrument contours~~ 24. ~~Contours in general~~ 25. Spot elevations JWV 26. Other physical features JWV

CULTURAL FEATURES

27. Roads JWV 28. Buildings JWV 29. Railroads JWV 30. Other cultural features JWV

BOUNDARIES

31. Boundary lines JWV 32. Public land lines —

MISCELLANEOUS

33. Geographic names JWV 34. Junctions None 35. Legibility of the manuscript JWV 36. Discrepancy overlay JWV 37. Descriptive Report JWV 38. Field inspection photographs JWV 39. Forms JWV 40. Joseph W. Vorachek Joseph Steinberg
Reviewer Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler_____
Supervisor

43. Remarks:

M-2623-12

When the channel into Great Kills Bay Staten I. is plotted independantly of the range line for the entrance the two do not coincide, being not only out in position but differing in direction by 3° .

The range lights are located by photo plot (1950) and the channel is controlled by local grid and surrounding well defined topographic features (U.S.E., Bps 51523 and 51524)

H. M.

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

STRIKE OUT ONE

New Dorp, Staten Island. Jan. 1950. 19

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by

Joseph W. Vonasek

STATE		New York		POSITION		METHOD OF LOCATION AND SURVEY No.		DATE OF LOCATION		CHARTS AFFECTED	
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	
			° ' "	D. M. METERS	° ' "	D. P. METERS					
	GREAT KILLS CHANNEL RANGE FRONT LT.		40 32	193	74 08	804	N.A. 1927	Air Photo Plot T-8540	1950	✓	286 369
	GREAT KILLS CHANNEL RANGE REAR LT.		40 32	417	74 08	894	N.A. 1927	Air Photo Plot T-8540	1950	✓	286 369
	MARINE PARK LT.		40 31	1470	74 08	385	N.A. 1927	Air Photo Plot T-8540	1950	✓	286 369
Filed with Chart Letter L 398(1950)											

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

New Dorr, Staten Island. Jan 1950

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be charted on *(deleted from)* the charts indicated.

The positions given have been checked after listing by W. H. Shearouse

E. R. McGathy

Chief of Party.

Chief of Party.

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

REVIEW REPORT
Shoreline Survey T-8540
23 July 1952

62. Comparison with Registered Topographic Surveys:

T-9	1:10,000	1835-36
T-490	"	1855
T-532	"	1855
T-680	"	1856
T-816	"	1856-65
T-1710	"	1886
T-1711	"	1886
T-5107 supp.	"	1932-33
T-6220	"	1934

Survey T-8540 is to supersede these surveys for nautical charting purposes for common areas.

63. Comparison with Maps of Other Agencies:

Arthur Kill, N.Y.-N.J. (AMS)	1:24,000	1947
The Narrows, N.Y.-N.J. (AMS)	"	1947

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

369	1:40,000	1947 corr. 52-5/19
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Changes made to the survey manuscript during this review are shown in red.

66. Adequacy of Results and Future Surveys:

This survey fulfills requirements for a shoreline survey and meets the National Standards of Map Accuracy.

67. Boundaries:

The limits or boundary line of Great Kills Park was deleted during this review because there was a discrepancy between the field inspection and the maps referred to under sub-heading 14.

68. Roads:

Not all roads outside urban areas were classified. However, the classification from interpretation of the photographs should be adequate for a shoreline survey.

69. Aids to Navigation:

The Light List gives the azimuth of the Great Kills Channel Range as $334\frac{1}{2}$ and the distance between front and rear lights as 150 yds. This survey scales 337° in azimuth for the range with approximately 260 yds. between lights.

Reviewed by:

Everett H. Ramey
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APPROVED:

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NAUTICAL CHARTS BRANCH

SURVEY NO. T8540

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.