

# 5607

# 5607

Diag'd. on Diag. Ch. No. 1215-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Photogrammetric Shoreline

Field No. PH-16(47) Office No. T-5607

### LOCALITY

State New York

General locality Long Island

Locality Head of Bay to Bedell Creek

1947

CHIEF OF PARTY

R.J.Sipe

LIBRARY & ARCHIVES

DATE December 19, 1949

Applied to New Cnt. 579 H.E.M. 5/149

# DATA RECORD

T - 5607

Project No. (II): PH-16(47)

Quadrangle Name (IV):

Field Office (II): West Hempstead, N.Y.

Chief of Party: Riley J. Sipe

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Thos. B. Reed

Instructions dated (II) (III): 10 September 1947  
2 March 1948

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): 4-6-49

Date reported to Nautical Chart Branch (IV): 4-18-49

Applied to Chart No. 579  
542

Date: May 1949  
6-2-49

Date registered (IV): 11-10-49

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): North American 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): ~~HARD, 1926~~ **WOODMERE HIGH SCHOOL, 1926**

Lat.: ~~40° 37' 20.137" (621.1m)~~  
**40° 37' 58.209 (1795.5)**  
~~(located on T-5614)~~

Long.: ~~73° 38' 27.173" (638.7m)~~  
**73° 42' 21.286 (500.2)**

Adjusted

~~unadjusted~~

Plane Coordinates (IV):

State: N.Y.

Zone: LONG ISLAND

Y= 148,531.58'

X= 2,081,628.92'

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.

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

# DATA RECORD

Field Inspection by (II): I. Y. Fitzgerald

Date: October 1947

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location):

Same as date of photographs supplemented by field inspection, Oct. 1947. <sup>ENR</sup>

Projection and Grids ruled by (IV): H.R.

Date: 11-13-47

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

Date: 11-13-47

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

Date: 6-7-48

Control checked by (III): F.J.Tarcza

Date: 6-7-48

Radial Plot or Stereoscopic Control extension by (III): F.J.Tarcza

Date: 6-7-48

Stereoscopic Instrument compilation (III):  
Planimetry  
Contours

Date:

Date:

Manuscript delineated by (III): Ruth E. Rudolph

Date: 2-7-49 - 3-3-49 and  
3/22/49

Photogrammetric Office Review by (III):

Joseph Steinberg

Date:

3/25/49 and  
4/4/49 - 4/5/49

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

Date:

Camera (kind or source) (III): U.S.Coast and Geodetic Survey single lens camera  
Type D - focal length 12".

PHOTOGRAPHS (III)

| Number               | Date    | Time | Scale    | Stage of Tide  |
|----------------------|---------|------|----------|----------------|
| 47-D-72 to -73 incl. | 5/27/47 | 1010 | 1:10,000 | 0.3' above MLW |
| 47-D-74 to -75 "     | 5/27/47 | 1010 | 1:10,000 | 0.2' above MLW |
| 47-D-76 to -77 "     | 5/27/47 | 1010 | 1:10,000 | 0.4' above MLW |
| 47-D-104 to 105 "    | 5/27/47 | 1020 | 1:10,000 | 0.6' above MLW |
| 47-D-106 to 107 "    | 5/27/47 | 1020 | 1:10,000 | 0.3' above MLW |
| 47-D-108 to 110 "    | 5/27/47 | 1020 | 1:10,000 | 0.5' above MLW |

49-D-439 to -444 • 4/28/49  
(C&GS)

Tide (III)

Reference Station: Sandy Hook  
Subordinate Station: Norton Pt., Head of Bay  
Subordinate Station: Macy Channel, Hempstead Bay  
East Rockaway, E. Rockaway Channel

Washington Office Review by (IV): Everett H. Roney

Final Drafting by (IV): Catherine E. Maily

Drafting verified for reproduction by (IV): W.O. Halluin W. Streifer

Proof Edit by (IV): W. Streifer

Land Area (Sq. Statute Miles) (III): 6

Shoreline (More than 200 meters to opposite shore) (III): 3 statute miles

Shoreline (Less than 200 meters to opposite shore) (III): 15 statute miles (along approx. centerline)

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II):

Recovered:

67

Identified:

76

Number of BMs searched for (II):

Recovered:

Identified:

Number of Recoverable Photo Stations established (III): 20 ENR

Number of Temporary Photo Hydro Stations established (III): 19

Remarks:

1:24,000 {Photographs available in  
Photogrammetry Div. Files but  
not used in this compilation.  
ENR

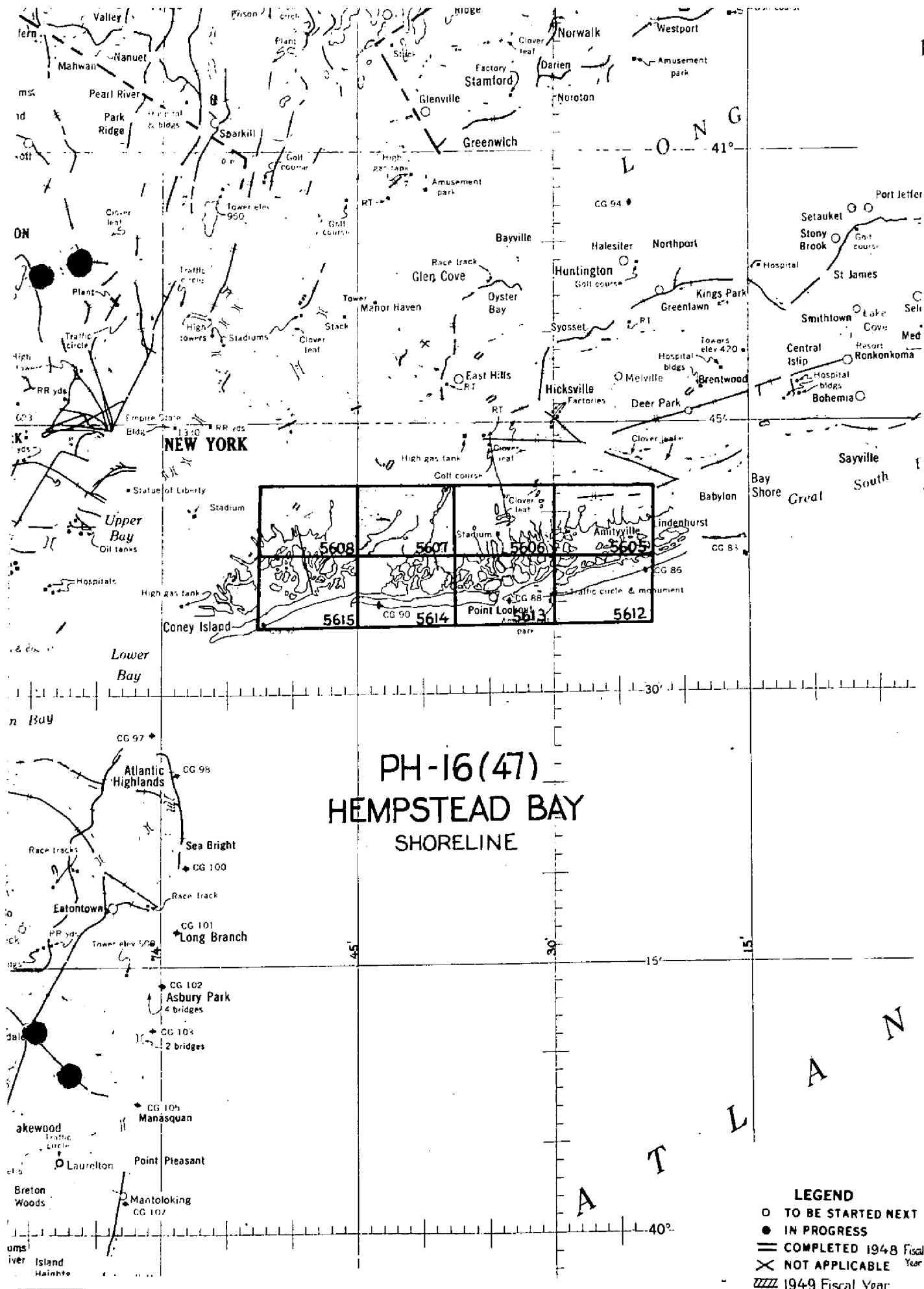
| Ratio of<br>Ranges | Mean<br>Range | Spring<br>Range |
|--------------------|---------------|-----------------|
| 1.0                | 4.6           | 5.6             |
| 1.2                | 5.4           | 6.5             |
| 0.7                | 3.4           | 4.1             |
| 0.8                | 3.9           | 4.7             |

Date: 8 Sept 1949

Date:

Date: 1-24-51

Date: 5/3 51







FIELD INSPECTION REPORT  
T-5607  
(40-37.5 / 73-37.5)  
Project Ph-16(47)  
R.J. Sipe, Chief of Party

This report is for one of eight shoreline sheets comprising Project Ph-16(47). Information contained herein is that which applies, in general, to this sheet alone. Field Inspection Report, Project Ph-16(47) contains information which applies to the project as a whole; and, to which this report is cross referenced.

*It is filed in the Div. of Photogrammetry General Files.*

1. DESCRIPTION OF THE AREA:

This sheet has very little water area within its limits. The northern section of Hewlett Bay (a part of Hempstead Bay), the northeast end of Head of Bay (a part of Jamaica Bay) and the channels leading from these two sections.

The land area is similar to that of T-5605 as described in the Field Inspection Report for that sheet.

There are the following villages within the sheet: Rockville Center, East Rockaway, Lynbrook, Oceanside, Hewlett and Woodmere. Of these, Rockville Center is the largest. All are predominantly residential.

2. COMPLETENESS OF FIELD INSPECTION:

See Field Inspection Report, Project Ph-16(47).

3. INTERPRETATION OF THE PHOTOGRAPHS:

See Field Inspection Report, Project Ph-16(47).

4. HORIZONTAL CONTROL:

*Five (ENR)*

Four C & G S triangulation stations were recovered and identified and one three point fix was made for control of the plot. In addition, one other C & G S triangulation station was identified as a landmark.

7. MEAN HIGH WATER LINE:

See Field Inspection Report, Project Ph-16(47).

8. LOW WATER LINE:

See Field Inspection Report, Project Ph-16(47).

9. WHARVES AND SHORELINE STRUCTURES:

See Field Inspection Report, Project Ph-16(47).

10. DETAILS OFFSHORE FROM THE HIGH WATER LINE:

See Field Inspection Report, Project Ph-16(47).

11. LANDMARKS AND AIDS TO NAVIGATION:

Landmarks are adequately discussed in Field Inspection Report, Project Ph-16(47).

There are no fixed aids to navigation within the limits of this sheet.

12. HYDROGRAPHIC CONTROL:

Nineteen photogrammetric hydrographic stations were established for supplemental hydrographic control. These stations are gables or chimneys of houses, flag poles, corners of docks and piers, etc. No stakes were set on points of grass or other changeable objects.

A list of these photogrammetric hydrographic stations are attached.

No recoverable topographic stations were established.

15. BRIDGES:

See Field Inspection Report, Project Ph-16(47).

13. GEOGRAPHIC NAMES: 11 ✓

See special Geographic Names Report by Mr. A. J. Wraight, Topographic Engineer.

19. COAST PILOT INFORMATION:

See Field Inspection Report, Project Ph-16(47).

Submitted:  
18 November 1947

*I. J. Fitzgerald*  
I. J. Fitzgerald,  
Cartographer



COMPILATION REPORT

SHORELINE MANUSCRIPT

SURVEY NO. T-5607

Manuscript Survey T-5607 is one of eight shoreline surveys in Project NO. PH-16(47) Long Island. This manuscript covers the area from Head of Bay to Bedell Creek. T-5607 has been delineated in accordance with the project instructions dated 2 March 1948.

26. CONTROL

For the layout of control on this manuscript refer to the radial plot report. A list of control stations is included in this report on Form No. M-2388-12.

27. RADIAL PLOT

Refer to the radial plot report for Surveys Nos. T-5607, T-5608, T-5614, and T-5615 submitted to the Washington Office 23 June 1948.

*Filed in Div. of Photogrammetry General Files.*

1. PEARSALL'S M.E. CHURCH SPIRE, 1875, r. 1908 - The radially plotted position falls approximately 1.6 mm northeast of its geographic position. This plotted position falls close to the line of flight and was located by only two cuts. It is believed that a new spire or church has been rebuilt. The location of this church should be checked by the hydrographic party. *Removed from manuscript.*

2. 5607-1 (3 pt.) - It was stated in the radial plot report that the position of this station was not held. The radially plotted position was 0.5 mm. west of the computed geographic position. However, readjustment of the radial plot has been made in that area and the geographic position now holds.

28. DELINEATION

Compilation is in accordance with Photogrammetry Instructions No. 17 dated 15 September 1947.

Limits of areas of marsh, high ground and interpretation of other inland features were determined after careful stereoscopic examination of the photographs.

In accordance with project instructions dated 2 March 1948, outside the detail limits, the photographs were compared with chart 579 and any streets or roads not shown on the chart or recent planimetric surveys have been delineated and roads which no longer exist have been noted with a dashed line around the area.

*See paragraph 47, Review Report. EHR*

30. MEAN HIGH WATER LINE

The delineation of the mean high water line is in accordance with the field identification

31. MEAN LOW WATER LINE

No comment. *Subject to completion or verification during hydrographic surveys. EHR*

32. DETAILS OFFSHORE FROM THE MEAN HIGH WATER LINE

No comment. *Subject to completion or verification during hydrographic surveys. EHR*

33. WHARVES AND SHORELINE STRUCTURES

No comment *Bulkheads are subject to errors of office interpretation in some instances. EHR*

34. LANDMARKS AND AIDS TO NAVIGATION

Two previously charted landmarks, one of which is a triangulation station, and three new landmarks, two of which are triangulation stations, recommended for charting by the field party, were located on the manuscript. The positions of these landmarks are reported on Form 567 submitted with this report.

Shown on Chart No. 579 as landmarks, are two windmills, one tower, and one cupola, for which no recommendation was submitted by the field party.

*See Nautical Chart Letter 787 (1947), filed in Div. of Charts.*

35. HYDROGRAPHIC CONTROL

Nineteen photo-hydro stations were located. For their descriptions refer to list attached to this report. Two copies of this list are being furnished for use of the hydrographic party.

36. LANDING FIELDS AND AERONAUTICAL AIDS

Curtiss Wright Airport is located outside the detailed limits. It is not shown on chart 579 and has therefore been delineated on the manuscript.

37. GEOGRAPHIC NAMES

Geographic names were taken from the final names standards furnished by the Washington Office. A list of names is attached to this report.

38. JUNCTIONS

Junction was made with Survey No. T-5608 to the west, T-5614 to the south, and T-5606 to the east and found to be in good agreement. There is no contemporary survey to the north.

39. BRIDGES

See field report for list of bridge discrepancies.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

By using the vertical projector, T-5607 was compared with the U. S. Army Engineers Lynbrook, N.Y. quadrangle and found to be in fair agreement.

There appears to be a general displacement of detail, as much as 2.5 mm to the northwest in the area west of Reed Channel and 2.5 mm to the northeast east of Reed Channel.

44A. COMPARISON WITH EXISTING PLANIMETRIC MAPS

T-5607 was compared with U. S. Coast and Geodetic Survey No. T-5062, and T-5063, scale 1:10,000, and appears to be in good agreement with both surveys excepting for man made changes.

45. COMPARISON WITH NAUTICAL CHARTS

This manuscript was compared with U. S. Coast and Geodetic Survey Chart No. 579, scale 1:40,000, published May 1941. Minute comparison was not possible because of the great difference in scale between the surveys. They appear, in general, to be in good agreement.

The following topographic information shown on Survey No. T-5607 is of sufficient importance to warrant immediate application to the chart:

None.

The following topographic details above the plane of MHW are not shown on this manuscript but are believed to still exist and should be carried forward on the chart:

None.

Low water features are shown in part and should be completed by the hydrographic party.

Respectfully submitted  
24 March 1949

Paul C. Rudolph  
Engineering Draftsman  
Compilation & Descriptive Report

Harry R. Rudolph  
Supervisor

Joseph Steinberg  
Photogrammetrist  
Photogrammetric Office Review

Approved and forwarded  
7 April 1949

Thos B. Baird  
Officer in Charge  
Baltimore Photogrammetric  
Office

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY~~NON-FLOATING AID~~ LANDMARKS FOR CHARTSTO BE CHARTED  
~~TO BE DELETED~~

STRIKE OUT ONE

Baltimore, Md.

24 March 1949

I recommend that the following objects which have ~~(been charted)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(separate sheets)~~ the charts indicated.

The positions given have been checked after listing by

Joseph Steinberg

Thomas B. Reed

Chief of Party

| 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 |           |                                   |                  |                 |               |                |
| TOWER         | St. Agnes Catholic Church       | Same as charting                 | 40       | 39       | 1043         | 73 | 38 | 1122         | N.A. 1927 | x                                 |                  |                 | 579           |                |
| CHY.          | Rhame Ave. Public Sch           | "                                | 40       | 38       | 562          | 73 | 39 | 1312         | "         | x                                 |                  |                 | 579           |                |
| TANK          | Elev - water, black 120' high   | ROCKVILLE CENTER TANK, 1933      | 40       | 39       | 665          | 73 | 39 | 563          | "         |                                   |                  |                 | 579           |                |
| STACK         | Red brick, 70' high             | JAMAICA BAY LIGHTHOUSE CHY. 1931 | 40       | 37       | 1545         | 73 | 44 | 758          | "         | x                                 |                  |                 | 579           |                |
| TANK          | Elev - water, black - 120' high | E. ROCKVILLE CENTER TANK 1933    | 40       | 39       | 930          | 73 | 38 | 640          | "         | x                                 |                  |                 | 579           |                |

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.

PHOTOGRAMMETRIC HYDROGRAPHIC STATIONS  
T-5607

| No.  | Photo.                 | Description   |
|------|------------------------|---|
| 0701 | 47 D 76                | Chy., black house, red roof.                        |
| 0702 | 76                     | Chy., white stucco house, red & black shingle roof. |
| 0703 | Changed to a landmark. |   |
| 0704 | 47 D 75                | East gable, gray house, dark roof.                  |
| 0705 | 75                     | Flag pole.  |
| 0706 | 75                     | Chy., field stone house.                            |
| 0707 | 75                     | Flag pole   |
| 0708 | 75                     | Flag pole   |
| 0709 | 75                     | North corner of bulkhead.                           |
| 0710 | 75                     | Chy., on house                                      |
| 0711 | 75                     | South gable, small white house.                     |
| 0712 | 75                     | Center chy., large house.                           |
| 0713 | 75                     | South gable, west one of two, small houses.         |
| 0714 | 75                     | South gable, white house, dark roof.                |
| 0715 | 75                     | North chy., on house.                               |
| 0716 | 47 D 74                | Southeast gable, cream house, dark roof.            |
| 0717 | 74                     | Chy., west end white house, gray roof               |
| 0718 | 74                     | Chy., white house, peaked roof.                     |
| 0719 | 47 D 72                | Stack, north end of house.                          |
| 0720 | 72                     | Stack on pump house.                                |

# GEOGRAPHIC NAMES

- ~~Bedell Creek~~
- ~~Cedarhurst~~
- ~~Conselyea Pond~~
- ~~Curtiss Wright Airport~~

- ~~East Rockaway~~
- ~~East Rockaway Channel~~

- ~~Head of Bay~~
- ~~Hewlett~~
- ~~Hewlett Bay~~
- ~~Hewlett Bay Park~~
- ~~Hewlett Beach~~
- ~~Hewlett Harbor~~
- ~~Hewlett Point~~
- ~~Hook Creek~~

- ~~Lake Kathleen Golf Course~~
- ~~Long Island Railroad~~
- ~~Lynbrook~~

- ~~Macy Channel~~
- ~~Meadowview Golf Links~~
- ~~Merrick Road~~
- ~~Mills River~~
- ~~Motts Creek~~

→ Merrick Road State 27A

- ~~Norton Point~~

- ~~Oceanside~~
- ~~Oceanside Golf & Country Club~~

- ~~Powell Creek~~

- ~~Reed Channel~~
- ~~Rockville Center~~

- ~~Sed Creek~~
- ~~Sunrise Highway~~ State No. 27

- ~~Seawene Links~~
- ~~Uncle Daniels Point~~

- ~~Watts Creek~~
- ~~Watts Pond~~ Not shown on manuscript. EWR

- ~~Willow Pond~~

- ~~Woodmere~~
- ~~Wright Memorial Park~~

Names preceded by .  
are approved. 6-22-49  
L. Heck



Review Report of  
Shoreline Map T-5607  
8 Sept. 1949

44. Comparison with Existing Maps:

A. Quadrangles

Lynbrook, N.Y. 1:25,000 1944  
(C. of E.)

B. Planimetric

|        |          |           |
|--------|----------|-----------|
| T-3    | 1:20,000 | 1835      |
| T-4    | 1:20,000 | 1835      |
| T-37   | 1:20,000 | 1837      |
| T-1471 | 1:10,000 | 1879-80   |
| T-1482 | 1:10,000 | 1878      |
| T-3476 | 1:10,000 | 1914      |
| T-4225 | 1:10,000 | 1926      |
| T-5062 | 1:10,000 | 1933-34   |
| T-5063 | 1:10,000 | 1933-34   |
| T-6199 | 1:10,000 | June 1934 |

*This map supersedes the above surveys for nautical charting purposes.*

45. Comparison with Nautical Charts:

579 1:40,000 May 1941

47. Adequacy of the Compilation:-Field inspection was adequate for the shoreline and areas immediately adjacent. Details below the plane of mean high-water are subject to completion or verification during hydrographic surveys. A section of a power line in the southwest part of the sheet, was interpreted by the compiler. It should be completed during hydrographic surveys and checked at Motts Creek to determine whether or not it is a hazard to navigation. This sheet meets the standards of map accuracy and complies with project instructions. (Refer to paragraph 27, this report, etc.)

Reviewed by:

Everett H. Ramey  
Everett H. Ramey

Approved by:

L. V. Griffith  
Chief, Review Section R.H.M.  
Div. of Photogrammetry

J. H. Edmondson  
Chief, Nautical Chart Branch  
Division of Charts

O. S. Reading  
Chief, Div. of Photogrammetry

W. M. Searle  
Chief, Div. of Coastal Surveys, *ge*

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-5607

### 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.**