## DESCRIPTIVE REPORT

**Type of Survey:** Photogrammetric Shoreline

**Field No.:** Office No. T-5606

### LOCALITY

- **State:** New York
- **General locality:** Long Island
- **Locality:** Parsonage Cove to East Bay

### 1946-1947

**CHIEF OF PARTY**

R.J. Sipe, Chief of Party

T.D. Reed, Balto. Photo Office

### LIBRARY & ARCHIVES

**DATE:** February 15, 1950
DATA RECORD

T - 5606

Project No. (II): PH-16(47) Quadrangle Name (IV):

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): 4-1-49 Date reported to Nautical Chart Branch (IV): 4-4-49

Applied to Chart No. 579 Date: 5/49 Date registered (IV): 10-21-49

Publication Scale (IV):

Geographic Datum (III): N.A. 1927 Publication date (IV):

Vertical Datum (III):
Mean sea level except as follows:
Elevations shown as (+) refer to mean high water
Elevations shown as (-) refer to sounding datum
I.e., mean low water or mean lower low water

Reference Station (III): TRAM, 1909

Lat: 40° 38' 37.043" (1142.6m) Long: 73° 32' 24.027" (564.6m)

Plane Coordinates (IV):

Y = 152, 659.74 State: New York Zone: Long Island

X = 2, 127, 657.78

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

Field inspection by (II):  I. Y. Fitzgerald  
Date:  11-18-47

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 (Sept 1947)

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.Tarcoza  
Date:  5-11-48

Control checked by (III):  M.F.Kirk  
Date:  5-48

Radial Plot of (III):  F.J.Tarcoza  
Date:  7-22-48

Stereoscopic Instrument compilation (III):  
Date:

Planimetry  
Date:

Contours  
Date:

Manuscript delineated by (III):  J.Homick  
Date:  1-27-49 to 3-29-49

Photogrammetric Office Review by (III):  J.Steinberg  
Date:  3-29-49 to 3-30-49

Elevations on Manuscript  
checked by (II) (III):  
Date:
<table>
<thead>
<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>47-D-78 to 47-D-84</td>
<td>5-27-47</td>
<td>1010</td>
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<td>0.4' above MLW</td>
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<tr>
<td>47-D-96 to 47-D-99</td>
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<tr>
<td>47-D-100 to 47-D-103</td>
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<tr>
<td>V-311 RW</td>
<td>7-18-46</td>
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<td>1:10,000</td>
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<tr>
<td>27-V-311 RW</td>
<td>7-17-46</td>
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**Tide (III)**

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<thead>
<tr>
<th>Ratio of Ranges</th>
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<th>Spring Range</th>
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<tr>
<td>1.0</td>
<td>4.6</td>
<td>5.6</td>
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<tr>
<td>0.7</td>
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<td>4.1</td>
</tr>
<tr>
<td>0.5</td>
<td>2.2</td>
<td>2.7</td>
</tr>
</tbody>
</table>

Reference Station: Sandy Hook
Subordinate Station: Freeport, Baldwin Bay
Subordinate Station: Bellmore, Bellmore Creek, Hempstead Bay

Washington Office Review by (IV): Everett H. Ramey
Final Drafting by (IV): Catherine E. Hasley
Drafting verified for reproduction by (IV): Wm. Allen Jones
Proof Edit by (IV): J. L. Stringfellow

Date: 1 Aug 1949

Land Area (Sq. Statute Miles) (III): 10
Shoreline (More than 200 meters to opposite shore) (III): 18 statute miles
Shoreline (Less than 200 meters to opposite shore) (III): 34 statute miles
Control Leveling - Miles (II): Recovered: 7 Identified: 7
Number of Triangulation Stations searched for (II):
Number of BMs searched for (II):
Number of Recoverable Photo Stations established (III): 3
Number of Temporary Photo Hydro Stations established (III): 19

Remarks:
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>LONGITUDE OR X-COORDINATE</th>
<th>DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
<th>SCALE FACTOR 1:000</th>
</tr>
</thead>
<tbody>
<tr>
<td>W.E.A.F. NORTH TOWER, 1933</td>
<td>G-4084 P. 69</td>
<td>N.A. 1927</td>
<td>40 11 11.517</td>
<td>73 31 49.863</td>
<td>355.3 (14.95.5)</td>
<td>1170.9 (239.0)</td>
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<td>FRY'S CUPOLA, 1875</td>
<td>GREAT SOUTH BAY pg. 44</td>
<td>N.A.</td>
<td>40 39 53.808</td>
<td>73 31 19.979</td>
<td>1659.8 (191.0)</td>
<td>-12.3</td>
<td>1617.5 (203.3)</td>
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<td>JONES BEACH HOTEL, FLAGPOLE, 1933</td>
<td>G-4084 P. 69</td>
<td>1927</td>
<td>40 39 35.710</td>
<td>73 30 32.773</td>
<td>1101.5 (749.2)</td>
<td>769.9 (639.6)</td>
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<tr>
<td>'SUB POINT TEAM, 1909</td>
<td>N.A.</td>
<td>1927</td>
<td>40 38</td>
<td>73 32</td>
<td>1114.2 (706.5)</td>
<td>529.2 (880.6)</td>
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<td>BALDWIN, SMALLER TANK, 1926</td>
<td>N.Y.L.I. P. 73</td>
<td>1926</td>
<td>40 39 51.880</td>
<td>73 36 17.796</td>
<td>1600.3 (250.4)</td>
<td>418.0 (592.1)</td>
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<td>BALDWIN, LARGER TANK, 1926</td>
<td>N.Y.L.I. P. 72</td>
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<td>40 39 51.819</td>
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<td>1592.2 (258.5)</td>
<td>394.1 (1015.3)</td>
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<td>MERRICK, SMALL TANK, 1926</td>
<td>N.Y.L.I. P. 72</td>
<td>1926</td>
<td>40 40 02.143</td>
<td>73 33 30.784</td>
<td>661.1 (1781.6)</td>
<td>723.1 (686.2)</td>
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<tr>
<td>MERRICK, LARGE TANK, 1926</td>
<td>N.Y.L.I. P. 73</td>
<td>1926</td>
<td>40 40 01.834</td>
<td>73 33 32.635</td>
<td>56.6 (1791.4)</td>
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<td>5606-1 (3 pt.) Computed from field data</td>
<td>NA 1927</td>
<td>1927</td>
<td>40 37 16.666</td>
<td>73 33 17.087</td>
<td>1401.0 (48.7)</td>
<td>1106.6 (303.5)</td>
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<tr>
<td>STACK, 1947</td>
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<td>40 38 48.509</td>
<td>73 32 58.040</td>
<td>1196.3 (354.5)</td>
<td>1363.7 (46.1)</td>
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<td>NBBB, 1947</td>
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<td>40 38 44.288</td>
<td>73 34 36.921</td>
<td>1366.1 (481.7)</td>
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<td>E.M. 1933</td>
<td>N.Y.L.I. P. 58</td>
<td>1927</td>
<td>40 37 42.370</td>
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<td>89.5 (1320.4)</td>
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1 FT. = 304.8008 METER

COMPUTED BY: C. Richter

DATE: 4/20/48

CHECKED BY: M. P. Kirk

DATE: 26 April 1948
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<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR $\phi$-COORDINATE</th>
<th>LONGITUDE OR $\lambda$-COORDINATE</th>
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<td>B-0.00</td>
<td>N.Y.-L.I. Pg. 70</td>
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<td>10 39 03.88</td>
<td>73 36 36.79</td>
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<td>73 36 09.985</td>
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<td>231.6 (1175.0)</td>
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<td>94.2 (1315.4)</td>
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<td>73 34 19.034</td>
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<td>73 35 47.76</td>
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<td>154.0 (255.0)</td>
<td>+3.1</td>
<td>154.0 (255.0)</td>
<td>861.4 (545.3)</td>
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</tbody>
</table>
FIELD INSPECTION REPORT
T-5605
(40-37.5 / 73-30.0)
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. Project report filed in Div. of Photogrammetry General Files

1. DESCRIPTION OF THE AREA:

The area of this sheet is comprised of the north-east section of Hempstead Bay and the land area adjoining on the north.

Hempstead Bay is a series of sloughs between marsh islands. Most of the water area of this sheet is East Bay. The land area is similar to that as described in Field Inspection Report T-5605.

There are the following villages in the sheet: Wantagh, Bellmore, Freeport and Baldwin, of which Freeport is the largest. These villages are all residential.

2. COMPLETENESS OF FIELD INSPECTION:

See Field Inspection Report, Project Ph-16(47). Project report filed in Division of Photogrammetry General Files.

3. INTERPRETATION OF THE PHOTOGRAPHS:

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

4. HORIZONTAL CONTROL:

Twelve Seven C & G S triangulation stations were recovered and identified for radial plot control. One additional control station for plot control was established by the three point fix method. In addition, these C & G S triangulation stations were identified as landmarks.

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:

For fixed aids to navigation see Field Inspection Report T-5605.

Two new landmarks were located in this sheet by theodolite intersections, one identified for location by radial plot.

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

12. HYDROGRAPHIC CONTROL:

In addition to existing horizontal control, eighteen photogrammetric hydrographic stations were identified. These stations are gables of houses, house chimneys, corners of docks and piers, etc. No stakes, points of grass or such were used. See attached list.

No recoverable topographic stations were established.

18. GEOGRAPHIC NAMES:

See special Geographic Names Report by Mr. A. J. Wraight, Topographic Engineer. Filed in Div. of Charts Geographic Names Section.

19. COAST PILOT INFORMATION:

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

Submitted:
18 November 1947

J. G. Fitzgerald,
Cartographer
COMPILATION REPORT

SHORELINE MANUSCRIPT  SURVEY NO. T-5606

Manuscript T-5606 is one of eight shoreline surveys in Project No. PH-16(47) Long Island. This manuscript covers the area between Parsonage Cove on the west and East Bay on the east. Compilation instructions for this project dated 2 March 1949 have been complied with.

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 M-2338-12.

27. RADIAL PLOT

Refer to the radial plot report for Surveys T-5605, 5606, 5612, and 5613, submitted to the Washington Office 2 September 1949.

28. DELINEATION

Compilation is in accordance with Photogrammetric 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.

Field inspection was adequate for the area covered by recent photographic coverage; however, additional identification of the MHW of the marsh islands that appeared awash would have been helpful.

Photographs No. 3-V-311 RW and 27-V-311 RW were used to delineate the area not covered by photographs between flights 47-D-81 to 47-D-84 and 47-D-96 to 47-D-100.

GPO ink was used on this manuscript except in northeast corner.

30. MEAN HIGH WATER LINE

Delineation of MHWL was determined by careful stereoscopic examination, where not identified by field inspection.

31. MEAN LOW WATER LINE

Only that portion of the MLWL identified by field inspection was delineated. Approximate in every instance.
32. DETAILS OFFSHORE FROM THE MHNL

Delineated in accordance with field identification.

33. WHARVES AND SHORELINE STRUCTURES

Delineated in accordance with field identification and stereoscopic examination. It was difficult to interpret some bulkheads, not designated by field inspection. EIR

34. LANDMARKS AND AIDS TO NAVIGATION

Seven landmarks shown on the manuscript were recommended for charting by the field party. Of these, six were previously located, three were located by theodolite, and one was located by radial plot. The positions of these landmarks are reported on form No. 567, submitted with this report. Where one landmark comprises two objects, both control, both objects are shown on manuscript and described individually.

35. HYDROGRAPHIC CONTROL

19 photo-hydro stations were located in accordance with field identification. A list of descriptions for these stations is attached to this report. Two copies have been furnished for the hydrographic party.

37. GEOGRAPHIC NAMES

Geographic names were taken from the final name standards furnished by the Washington Office. A list of names is attached to this report. Approved by Geographic Names Section, U.S. Coast and Geodetic Survey.

39. JUNCTIONS

Junctions were made with Survey T-5605 to the east, Survey T-5607 to the west, and Survey T-5613 to the south. There is no contemporary survey to the north.

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

This manuscript was compared with U.S. Army Engineers' quadrangle Freeport, N.Y., scale 1:25,000, published in 1943. Only a visual comparison was made and except for man made changes, is in generally fair agreement.

44A. COMPARISON WITH EXISTING PLANIMETRIC SURVEYS

Comparison was made with planimetric survey No. T-5058, scale 1:10,000 and found to be in generally fair agreement except for man made changes. Noted change is in small island just east of White Point, which shows somewhat larger in size on the manuscript.

Comparison was made with Survey No. T-5061 (scale 1:10,000) and found to be in generally fair agreement except for the marsh islands, some of which have eroded and others have built up various amounts.
44A. COMPARISON WITH EXISTING PLANIMETRIC SURVEYS

Continued

Comparison was made with Survey No. T-5062 (scale 1:10,000) and found to be in generally fair agreement except for man made changes and the large island in Baldwin Bay, which shows some erosion on the west side with some building up on the southwest tip.

45. COMPARISON WITH EXISTING NAUTICAL CHARTS

Comparison was made with U.S. Coast and Geodetic Survey Chart No. 579, scale 1:40,000. Only a visual comparison was made because of the great difference in scale. Except for man made changes the chart and manuscript appear to be in fair agreement.

The following topographic information shown on T-5606 is of sufficient importance to warrant immediate application to the chart:

None.

The following, topographic details above the plane of MEW 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
31 March 1949

[Signatures]

Engineering Draftsman
Compilation and Descriptive Report.

Joseph Stemberg
Photogrammetrist
Photogrammetric Office Review

Harry R. Rudolph
Supervisor

Approved and forwarded
5 April 1949

[Signature]
Officer in Charge
Baltimore Photogrammetric Office
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing by Jack Honick.

<table>
<thead>
<tr>
<th>State</th>
<th>New York</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>STACK</td>
<td>red, brick, Aerial Products Corp.</td>
</tr>
<tr>
<td>RADIO TOWER</td>
<td>Station WGBB</td>
</tr>
<tr>
<td>TANK (ELEV.)</td>
<td>Black, water, (125' high)</td>
</tr>
<tr>
<td>STACK, red brick (75' high)</td>
<td>Incinerator chimney, 1933</td>
</tr>
<tr>
<td>TANKS (ELEV.), steel, water</td>
<td>One small, (90' high)</td>
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<tr>
<td></td>
<td>One large, (115' high)</td>
</tr>
<tr>
<td>TANK, (ELEV.)</td>
<td>water, steel (125' high)</td>
</tr>
<tr>
<td>TANKS (ELEV.), steel water</td>
<td>One small (90' high)</td>
</tr>
<tr>
<td></td>
<td>One large (115' high)</td>
</tr>
</tbody>
</table>

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.
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<thead>
<tr>
<th>No.</th>
<th>Photo</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0601</td>
<td>47-D-96</td>
<td>South gable, white house with dark walls</td>
</tr>
<tr>
<td>0602</td>
<td>47-D-101</td>
<td>Back water tank, Freeport Theatre</td>
</tr>
<tr>
<td>0603</td>
<td>47-D-84</td>
<td>East gable, white house</td>
</tr>
<tr>
<td>0604</td>
<td>47-D-81</td>
<td>West gable of shack</td>
</tr>
<tr>
<td>0605</td>
<td>47-D-80</td>
<td>South gable, white and green house</td>
</tr>
<tr>
<td>0606</td>
<td>80</td>
<td>South gable, white house, red roof</td>
</tr>
<tr>
<td>0607</td>
<td>80</td>
<td>East gable, dark house, gray roof</td>
</tr>
<tr>
<td>0608</td>
<td>80</td>
<td>SW corner, large white building</td>
</tr>
<tr>
<td>0609</td>
<td>80</td>
<td>Flag pole</td>
</tr>
<tr>
<td>0610</td>
<td>80</td>
<td>White cupola, brick building</td>
</tr>
<tr>
<td>0611</td>
<td>80</td>
<td>East gable, dark house, green roof</td>
</tr>
<tr>
<td>0612</td>
<td>80</td>
<td>Chy., white house, dark roof</td>
</tr>
<tr>
<td>0613</td>
<td>80</td>
<td>Chy., on shack</td>
</tr>
<tr>
<td>0614</td>
<td>47-D-79</td>
<td>South dormer, red roof house</td>
</tr>
<tr>
<td>0615</td>
<td>47-D-78</td>
<td>Southeast gable, gray house, red roof</td>
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<tr>
<td>0616</td>
<td>47-D-56</td>
<td>West gable, gray house, green roof, middle shack</td>
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<td>0617</td>
<td>47-D-57</td>
<td>South gable, white house</td>
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<td>0618</td>
<td>157</td>
<td>South gable, white house</td>
</tr>
<tr>
<td>0619</td>
<td>47-D-80</td>
<td>West gable white house</td>
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GEOGRAPHIC NAMES

- Baldwin
- Baldwin Bay
- Baldwin Creek
- Baldwin Harbor - Residential area
- Beau Rivage Beach
- Bellmore
- Bellmore Creek
- Big Crow Island
- Broad Creek Channel
- Cedar Creek
- Coba Island
- East Bay
- East Canal
- East Island
- Emory Creek
- Emorys Canal
- False Channel
- False Channel Creek
- False Channel Meadow
- Fighting Island
- Flat Creek
- Freeport
- Freeport Creek
- Gordon Channel
- Great Island
- Hudson Channel
- Island Creek
- Jones Beach Causeway
- Long Creek
- Low Island
- Meadowbrook State Parkway
- Merrick
- Merrick Bay
- Merrick Creek
- Merrick Point
- Merrick Road (N.Y.27-A)
- Millburn Creek
- Mud Creek
- Neds Creek
- Neds Meadow
- New Bridge Creek
- Nicks Point
- Parsonage Cove
- Pettit Marsh
- Parsonage Creek
- Randall Bay
- Seamans Island
- Simmonds Creek
- Simmonds Pond
- Sportsmans Canal
- Smith Meadow
- The Narrows
- The Run
- Wantagh
- Wantagh Canal
- Wantagh Parkway
- Whale Neck Point
- White Creek
- White Point
- Woodcleft Canal

The following geographic names shown on geographic name standards in the area of this survey are not shown on manuscript, because their features were not delineated:

Bollmore Lake
Bollmore Pond
Bunkers Lake
Cove Hassock
Loffs Lake
Meadow Pond
New Bridge Pond
Sunrise Highway (N.Y.27)

Names preceded by are approved. 6-22-49
L. Heck
44. **Comparison with Existing Maps.**

A. **Previous surveys by this Bureau**

<table>
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<tr>
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<td>1835</td>
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This map supersedes the above surveys for nautical charting purposes.

B. **Surveys by other agencies**

Freeport, N.Y. (C of E) 1:25,000 1942

A cable crossing Island Creek adjacent to Jones Beach Causeway is shown on the quadrangle, but is not evident on the photographs.

45. **Comparison with Nautical Charts.**

579 1:40,000 May 1941

47. **Adequacy of Compilation.** This compilation is complete and in compliance with Bureau standards and project instructions.

Reviewed by:

Everett H. Ramsey

APPROVED:

A. V. Griffith  
Chief, Review Section  
Division of Photogrammetry

T. A. Edmondson  
Chief, Nautical Chart Branch  
Division of Charts

G. E. Reading  
Chief, Div. of Photogrammetry  
Chief, Div. of Coastal Surveys
### NAUTICAL CHARTS BRANCH

#### SURVEY NO. ______

**Record of Application to Charts**

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
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<tr>
<td>May 1949</td>
<td>579</td>
<td>Thomas Evans</td>
<td>Before After Verification and Review</td>
</tr>
<tr>
<td>Nov 1951</td>
<td>1215</td>
<td>G.R.</td>
<td>Before After Verification and Review Examined</td>
</tr>
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</table>

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.