

5606

Diag. Cht. No. 1215-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

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

194 6-'47

CHIEF OF PARTY

R.J.Sipe, Chief of Party

T.B.Reed, Balto. Photo Office

LIBRARY & ARCHIVES

DATE February 15, 1950

B-1870-1 (1)

5606

DATA RECORD

T - 5606

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

Quadrangle Name (IV):

Field Office (II): West Hempstead, New York.

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): 4-1-49

Date reported to Nautical Chart Branch (IV): 4-6-49

Applied to Chart No. 579

Date: 5/49

Date registered (IV): 10-21-49

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): N.A. 1927

Vertical Datum (III):

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

M.H.W.

Reference Station (III): TEAM, 1909

Lat. 40° 38' 37.043" (1142.6m)

Long.: 73° 32' 24.027" (564.6m)

Adjusted

~~Standard Error~~

Plane Coordinates (IV):

State: New York

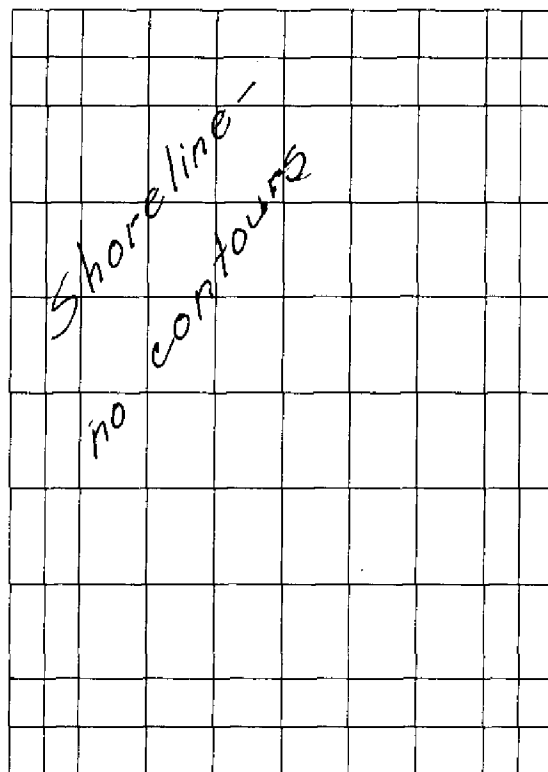
Zone: Long Island

Y= 152, 659.74

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) (II)

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.Tarozza

Date: 5-11-48

Control checked by (III): M.F.Kirk

Date: 5-48

Radial Plot of Stereoscopic

Date:

~~Radial Plot of Stereoscopic~~
Radial Plot of Stereoscopic by (III): F.J.Tarozza

7-22-48

Planimetry

Date:

Stereoscopic Instrument compilation (III):

Contours

Date:

Manuscript delineated by (III): J.Honick

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:

Camera (kind or source) (III):

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
47-D-78 to 47-D-84	5-27-47	1010	1:10,000	0.4' above MLW
47-D-96 to 47-D-99	5-27-47	1020	1:10,000	0.0' above MLW
47-D-100 to 47-D-103	5-27-47	1020	1:10,000	0.5' above MLW
V-311 RW	7-18-46		1:10,000	
27-V-311 RW	7-17-46		1:10,000	
47-D-135 to 47-D-142	5-27-47	1035	1:10,000	

Tide (III)

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

Ratio of Ranges	Mean Range	Spring Range
1.0	4.6	5.6
0.7	3.4	4.1
0.5	2.2	2.7

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

Date: 1 Aug. 1949

Final Drafting by (IV): Catherine E. Mauley

Date:

Drafting verified for reproduction by (IV): Wm. H. H. Striffler

Date: 12-5-51

Proof Edit by (IV): J. Striffler

Date: 1/11/51

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):

Number of Triangulation Stations searched for (II):

Recovered: 7

Identified: 7

Number of BMs searched for (II):

Recovered:

Identified:

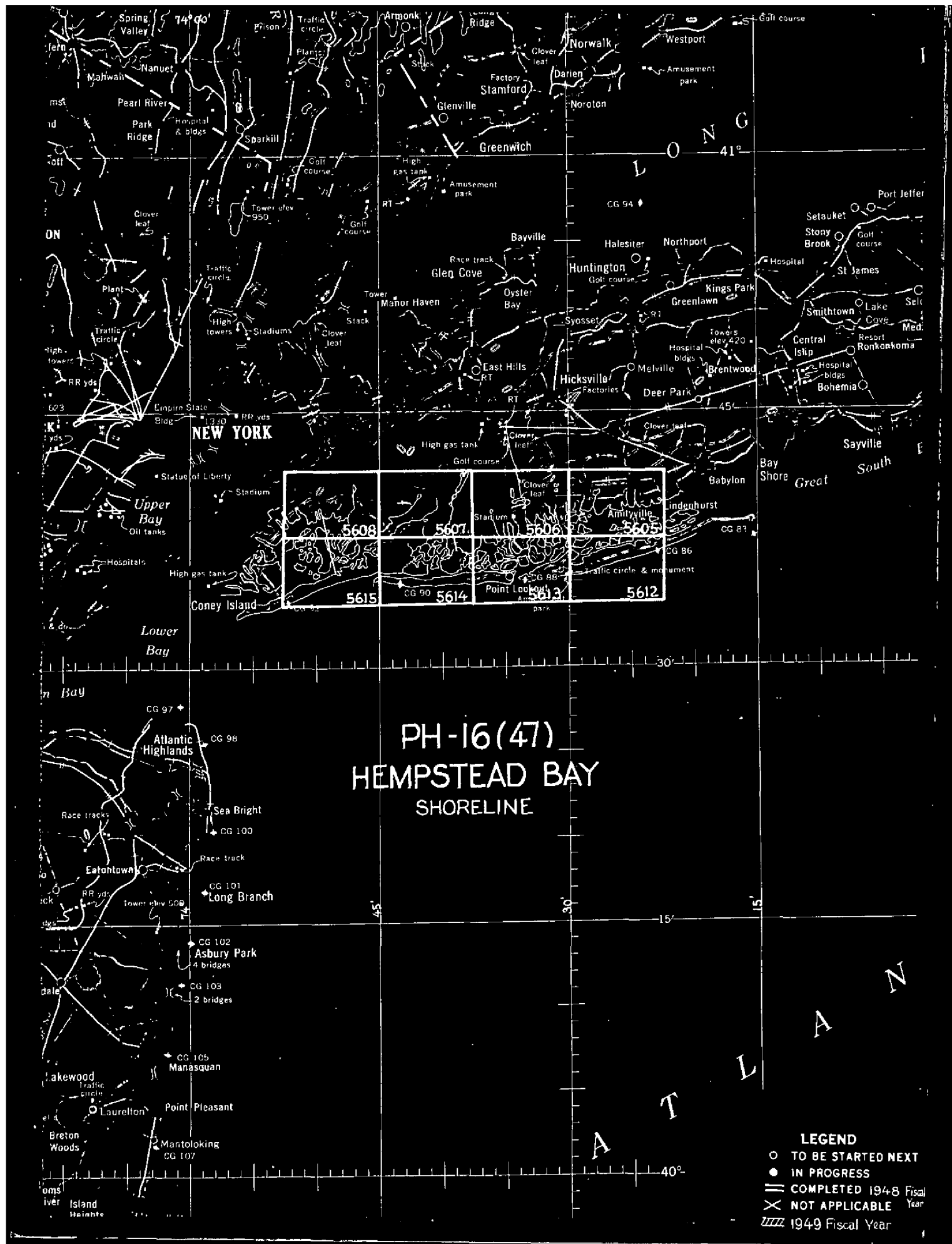
Number of Recoverable Photo Stations established (III): 3

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

Remarks:

PH-16(47) HEMPSTEAD BAY SHORELINE

- LEGEND**
- TO BE STARTED NEXT
 - IN PROGRESS
 - == COMPLETED 1948 Fiscal Year
 - X NOT APPLICABLE
 - |||| 1949 Fiscal Year



MAP T. 5606

PROJECT NO. PH-16(47)

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -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	
W.E.A.F. NORTH TOWER, 1933	G-4084 P. 69	N.A. 1927	40	41	11.517			355.3	(1495.5)		
			73	31	49.863			1170.9	(238.0)		
FRYS CUPOLA, 1875	GREAT SOUTH BAY pg. 4	N.A.	40	39	53.808	1659.8	(191.0)	1647.5	(203.3)		
			73	31	19.979	469.3	(940.1)	472.4	(937.0)		
JONES BEACH HOTEL, FLAGPOLE, 1933	G-4084 P. 69	" 1927	40	39	35.710			1101.5	(749.2)		
			73	30	32.773			769.9	(639.6)		
SUB POINT TEAM, 1909		"	40	38				1144.2	(706.5)		
			73	32				529.2	(880.6)		
BALDWIN, SMALLER TANK, 1926	N.Y.L.I. P. 73	"	40	39	51.880			1600.3	(250.4)		
			73	36	17.796			418.0	(991.4)		
BALDWIN, LARGER TANK, 1926	" "	"	40	39	51.619			1592.2	(258.5)		
			73	36	16.777			394.1	(1015.3)		
MERRICK, SMALL TANK, 1926	N.Y.L.I. P. 72	"	40	40	02.143			66.1	(1784.6)		
			73	33	30.784			723.1	(686.2)		
MERRICK, LARGE TANK, 1926	" "	"	40	40	01.834			56.6	(1794.1)		
			73	33	32.635			766.6	(642.7)		Sub Pt for radio plot
5606-1(3 pt.)	Comp. from field data	NA 1927	40	37	46.166			1424.0	(426.7)		
			73	33	47.087			1106.6	(303.5)		
STACK, 1947	"	"	40	38	48.509			1496.3	(354.5)		Topo Sta
			73	32	58.040			1363.7	(46.1)		
MGBB, 1947	"	"	40	38	44.288			1366.1	(484.7)		Topo Sta
			73	34	36.921			867.5	(542.3)		
EM 1933	N.Y.L.I. P. 58	NA 1927	40	37	42.370			1306.9	(543.9)		
			73	34	03.809			89.5	(1320.6)		

1 FT. = 3048006 METERS C. Richter
COMPUTED BY: _____
CHECKED BY: M.F. Kirk
DATE: 4/20/48
DATE: 26 April 1948
M. 2388-12

MAP T. 5606

PROJECT NO. PH-16(47)

SCALE OF MAP 1:10,000

SCALE FACTOR

1,000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR 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
BALDWIN WHITE SPIRE, 1933	N.Y.- L.I. Pg. 70	N.A. 1927	40 39 03.88 73 36 36.79			119.7 (1731.0) 864.4 (545.3)	
BROOKLYN WATER WORKS, MILBURN W. CHY. 1909	Great South Bay pg. 329	N.A.	40 39 25.448 73 36 09.985	785.0 (1065.8) 234.6 (1175.0)	-12.3 +3.1	772.7 (1078.1) 237.7 (1171.9)	
BROOKLYN WATER WORKS, MILBURN E. CHY. 1909	" page 329	"	40 39 25.436 73 36 07.064	784.6 (1066.2) 166.0 (1243.6)	-12.3 +3.1	772.3 (1078.5) 169.1 (1240.5)	
FREEPORT MUNICIPAL BUILDING CUPOLA, 1933	N.Y.- L.I. Pg. 70	" 1927	40 39 30.477 73 35 14.947			940.1 (910.6) 351.1 (1058.4)	
FREEPORT BANK APEX, 1933	N.Y.- L.I. Pg. 70	"	40 39 23.848 73 35 07.428			735.6 (1115.1) 174.5 (1235.1)	
FREEPORT METH. SPIRE, 1909	Great South Bay pg. 329	N.A.	40 39 21.143 73 35 04.010	652.2 (1198.6) 94.2 (1315.4)	-12.3 +3.1	639.9 (1210.9) 97.3 (1312.3)	
FREEPORT PRESBYTERIAN SPIRE, 1875	Great South Bay pg. 5	"	40 39 18.498 73 34 58.550	570.6 (1280.2) 1375.5 (34.1)	-12.3 +3.1	558.3 (1292.5) 1378.6 (31.60)	
FREEPORT WATER TANK, 1933	G-4084 p. 69	" 1927	40 39 49.834 73 34 17.957			1537.2 (313.5) 421.8 (987.6)	
INCINERATOR, CHIMNEY, 1933	N.Y.- L.I. Pg. 70	"	40 38 57.345 73 34 06.459			1768.9 (81.8) 151.8 (1257.9)	
LOVE BUILDING, CHIMNEY, 1933	N.Y.-L.I. p. 70	"	40 38 24.494 73 33 02.176			755.5 (1095.2) 51.1 (1358.8)	Station lost
TEAM, 1909	N.Y.-L.I. p. 53	"	40 38 37.043 73 32 24.027			1142.6 (708.1) 564.6 (845.2)	
W.E.A.F. SOUTH TOWER, 1933	G 4084 p. 69	"	40 41 04.648 73 31 49.142			143.4 (1707.3) 1154.0 (255.0)	

1 FT. = 3048006 METER

COMPUTED BY: J.C. Richter

DATE 4/20/48

CHECKED BY: M.F. Kirk

DATE 26 April 1948

M. 2388.12

FIELD INSPECTION REPORT
T-5606
(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).

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, three~~ *Six* 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, ^{other} 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. Wright, 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

I. J. Fitzgerald
I. J. 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-2388-12.

27. RADIAL PLOT

Refer to the radial plot report for Surveys T-5605, 5606, 5612, and 5613, submitted to the Washington Office 2 September 1948.

Filed in Division of Photogrammetry General Files.

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. EHR*

32. DETAILS OFFSHORE FROM THE MHWL

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. EHR*

34. LANDMARKS AND AIDS TO NAVIGATION

Seven
~~Nine~~ landmarks shown on the manuscript were recommended for charting by the field party. Of these, ~~six~~ *four* were previously located, ~~three~~ *two* 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. EHR*

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 *84 ✓*

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 Name Section, Dir. of Charts.*

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 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
31 March 1949

Jack Smith
Engineering Draftsman
Compilation and Descriptive Report.

Joseph Stenberg
Photogrammetrist
Photogrammetric Office Review

Harry R. Rudolph
Supervisor

Approved and forwarded
5 April 1949

Thomas B. Rind
Officer in Charge
Baltimore Photogrammetric Office

TO BE CHARTED
~~TO BE CHARTED~~

STRIKE OUT ONE

NONTECHNICAL AIDS-OR LANDMARKS FOR CHARTS

Baltimore, Md.

30 March

6781

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

The positions given have been checked after listing by

Thos. B. Reed *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.

PHOTOGRAMMETRIC HYDROGRAPHIC STATIONS

T - 5606

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

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 ✓
- Cuba 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:

Bellmore Lake
Bellmore 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

Review Report T-5606
Shoreline Map
1 Aug. 1949

44. Comparison with Existing Maps.-

A. Previous surveys by this Bureau		
T-3	1:20,000	1835
1538	1:10,000	1880
1850	"	1887
4273	"	1926
4274	"	"
6009	"	1933
6010	"	"
5058	"	"
5061	"	1933-34
5062	"	"
6008	"	1933
6198	"	1934

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. Ramey
Everett H. Ramey

APPROVED:

A. V. Griffith
Chief, Review Section R. & M.
Division of Photogrammetry

H. B. Edmonston
Chief, Nautical Chart Branch
Division of Charts

B. S. Reading
Chief, Div. of Photogrammetry

John G. Crosby
Chief, Div. of Coastal Surveys

NAUTICAL CHARTS BRANCH

SURVEY NO. _____

Record of Application to Charts

[illegible]

M-216A-I

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.