

8298

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-9298
Project Ph-54(49)C

LOCALITY

State New York

General locality Great South Bay

Locality Strong's Creek to Lawrence Creek

1949

CHIEF OF PARTY

E. R. McCarthy, Chief of Field Party
Hubert A. Paton, Balto. Photo. Office

LIBRARY & ARCHIVES

DATE Aug-7-1951

8298

DATA RECORD

T - 9298

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

Field Office (II): Babylon, N. Y.

Chief of Party: E. R. McCarthy

Photogrammetric Office (III): Baltimore

Officer-in-Charge: Hubert A. Paton

Instructions dated (II) (III):
20 October 1949
3 February 1950

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): 4-25-50 Date reported to Nautical Chart Branch (IV): 4-26-50

Applied to Chart No.

Date:

Date registered (IV): 7-10-51

Publication Scale (IV): —

Publication date (IV): —

Geographic Datum (III): N. A. 1927

Vertical Datum (III): M. H. W.

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): SAM, 1933

Lat.: 40° 40' 47.348" (1460.5)

Long.: 73° 18' 58.699" (1378.5)

Adjusted
~~Unadjusted~~

Plane Coordinates (IV): Lambert

State: N.Y.

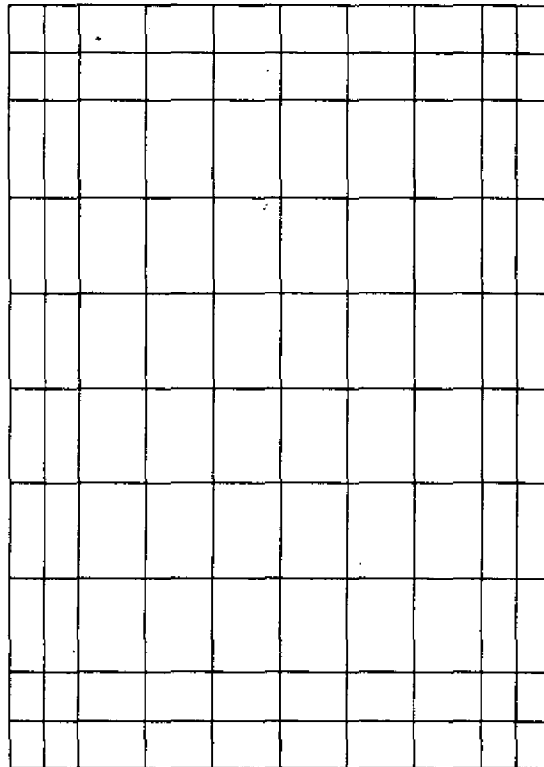
Zone: L.I.

Y= 166,251.57

X= 2,189,635.96

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)

Shoreline manuscript

DATA RECORD

Field Inspection by (II): W.H. Shearouse
J.A. Clear
J.T. Beecher
H.R. Spies
H.R. Moore
Date: Jan. 1950

Planetable contouring by (II): _____ Date:

Completion Surveys by (II): *None* Date:

Mean High Water Location (III) (State date and method of location): 9-23-47; 10-20-47
Identified on field photographs

Projection and Grids ruled by (IV): T.L.J. Date: 2/9/50

Projection and Grids checked by (IV): H.D.W. Date: 2/10/50

Control plotted by (III): A. C. Rauck, Jr. Date: 2/15/50

Control checked by (III): A.K. Heywood Date: 2/15/50

Radial Plot ~~by Stereoscopic~~ Date: 2/21/50
~~Control extension by~~ H.P. Richert

Planimetry Date:

Stereoscopic Instrument compilation (III):
Contours Date:

Manuscript delineated by (III): Judson Y. Council Date: 4/11/50

Photogrammetric Office Review by (III): J. W. Vonasek Date: 4/21/50

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

Department of Agriculture, Single lens

Camera (kind or source) (III):

Number	Date	PHOTOGRAPHS (III)		Scale	Stage of Tide
			Time		
ASA 3D-114 to ASA 3D-117	9-23-47	1038	1:10,000	0.1'	
ASA 3D-125 to "	3D-129 9-23-47	1043	"	0.1'	
ASA 7D-112 to "	7D-114 10-20-47	1256	"	0.3'	

From Predicted Tide Tables

Reference Station: Sandy Hook
Subordinate Station: Babylon L.I.
Subordinate Station:

Tide (III)

Ratio of Ranges	Mean Range	Spring Range
1.0'	4.6'	4.5'
0.1'	0.6'	0.7'

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

Date: *19 June 1950*

Final Drafting by (IV): *Lucas, Taylor*

Date: *Nov. 2, 1950*

Drafting verified for reproduction by (IV): *C. Kopic*

Date: *Dec. 12, 1950*

Proof Edit by (IV): *Everett H. Ramey*

Date: *5 Jan 1951*

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

Shoreline (More than 200 meters to opposite shore) (III): *8*

Shoreline (Less than 200 meters to opposite shore) (III): *27*

Control Leveling - Miles (II): *1.1*

Number of Triangulation Stations searched for (II): *19*

Recovered: *17* Identified: *16** ✓

Number of BMs searched for (II): *6 TBM*

Recovered: *5 TBM* Identified: *5 TBM* ✓

Number of Recoverable Photo Stations established (III): *None*

1 Landmark

Number of Temporary Photo Hydro Stations established (III): *12*

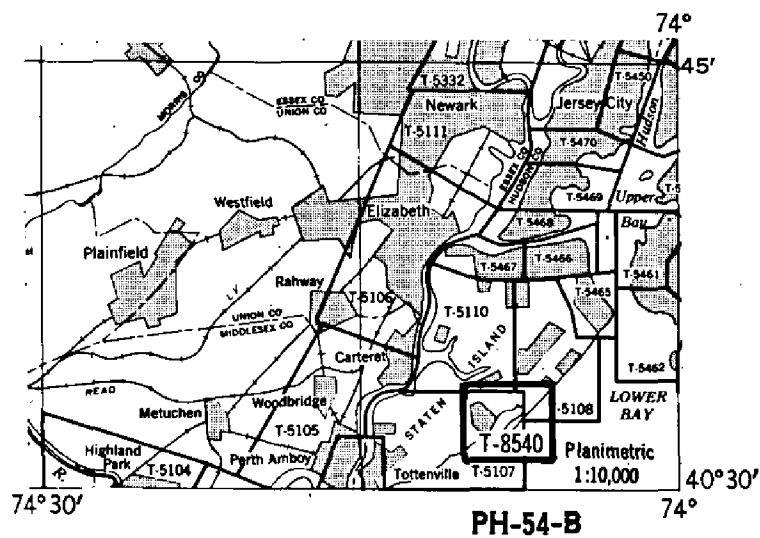
Remarks:

* Includes: BRESLAU BLACK SPIRE, 1875, 300 m west of this survey

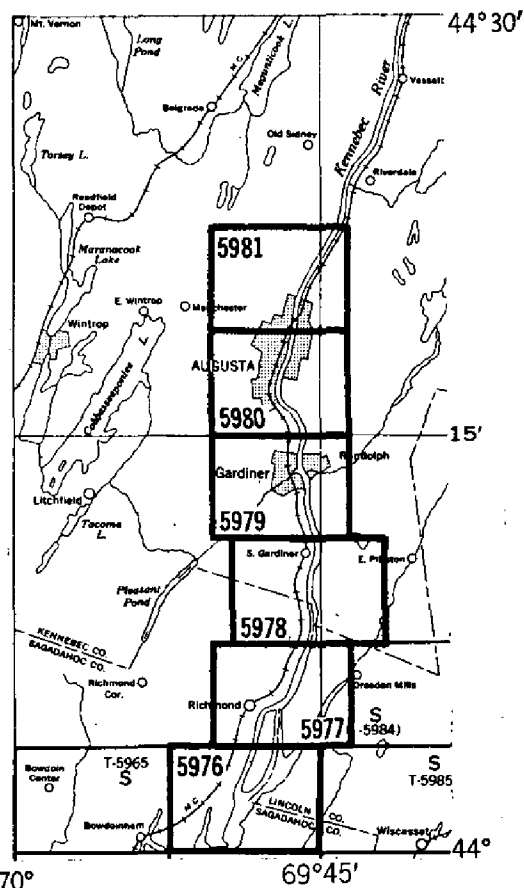
CONKLIN POINT 3, 1933, only RM 1 & 2 recovered

BABYLON SCHOOL, 1909, see field report, filed with Desc. Report for T-9300

PH-51 (49)



PH-51 (49)
MAINE, Kennebec River
SHORELINE
1:10,000



Summary to Accompany T-9298

Shoreline map T-9298 is one of four similar maps in project Ph-54(49)C and is the northwesterly map of the project. It covers the shoreline and adjacent land area from Strongs Creek to Lawrence Creek along the north shore of Great South Bay.

This is a graphic compilation project, in advance of hydrographic surveys to be done at an early date. The field operations preceding compilation included the inspection of shoreline and alongshore areas and the establishment of some additional horizontal control.

The manuscript is at a scale of 1:10,000 and shows shoreline, alongshore features and photo-hydro stations. It covers 4' in latitude by $7\frac{1}{2}$ ' in longitude.

Field Inspection Report
and
Photogrammetric Plot Report

These reports for this survey are filed in the General Files, Division of Photogrammetry as part of the Descriptive Report for survey T-9300 and cover all of project Ph-54(49)C, surveys T-9298 through T-9301.

MAP T. 9298

PROJECT NO. Ph-54(49)C

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
BAYSHORE CATH.	G-4084	N.A.	40 43 09.731			300.2 1550.6	
CHURCH SPIRE, 1933	P. 65	1927	73 15 11.359			266.6 1141.6	
LINDENHURST H.S.	G-4084	"	40 41 00.412			12.7 1838.1	
CUPOLA, 1933	P. 67	"	73 22 09.017			211.7 1197.3	
LINDENHURST, TANK, 1933	"	"	40 41 10.043			309.8 1541.0	
	"	"	73 22 12.958			304.3 1104.6	
BABYLON PRESB.	G-4084	"	40 41 48.619			1499.4 351.4	
CHURCH SPIRE, 1933	P. 66	"	73 19 21.822			512.3 896.4	
BABYLON, TANK, 1933	"	"	40 41 47.208			1456.2 394.6	
	"	"	73 19 14.458			339.4 1069.3	
BABYLON COVE, FLAGPOLE, 1933	"	"	40 41 15.71			484.6 1366.2	
	"	"	73 18 40.51			951.2 457.7	
FLEET, 1933	LI Pg. 52	"	40 40 14.943			460.9 1389.9	
	"	"	73 20 30.818			723.9 685.3	
SAM, 1933	G-4084 P. 57	"	40 40 47.348			1460.5 390.3	
	"	"	73 18 58.699			1378.5 30.6	
BRIGHT, 1933	"	"	40 42 03.820			117.8 1733.0	
	"	"	73 15 13.144			308.6 1100.0	
CONKLIN PT. 3, 1933	LI Pg. 52	"	40 41 04.044	<i>Station lost</i>			
			73 16 42.104			1247.7 1726.1	
BAYSHORE GAS TANK 1933	G-4084 Pg. 65	"	40 43 26.542			988.7 420.2	
	"	"	73 15 29.330			818.7 1032.1	Page 7
* BABYLON EPISOOPAL CH.SP. 1875	"	"	40 41 50.28			688.3 719.8	
	"	"	73 18 39.95			1550.9 299.9	
						937.9 470.8	

1 FT. = 3048006 METER

COMPUTED BY: H.R. Rudolph

DATE 2-7-50

CHECKED BY: G.N. Nathan

DATE 7 February 1950

M-2388-12

MAP T-9298

PROJECT NO. Ph-54(49)C

SCALE OF MAP 1:10,000

SCALE FACTOR 1.000

[illegible]

11 FT. = 3048006 METER
COMPUTED BY:

DATE 2-7-50

CHECKED BY: G.N.Nathan

DATE.

W 17-6 7050
M-2388-12

COMPILATION REPORT

T - 9298

FIELD INSPECTION REPORT AND
PHOTOGRAMMETRIC PLOT REPORT

The field report and photogrammetric plot report for this survey are part of the descriptive report for Survey No. T-9300 submitted to the Washington Office on 19 April 1950. *Filed in General Files, Div. of Photogrammetry*

31. DELINEATION

This survey was delineated by graphic methods. A small area adjacent to Santapogue Creek was delineated using the vertical projector.

32. CONTROL

The identification and density of horizontal control was adequate.

33. SUPPLEMENTAL DATA

Geographic Names Standard No. 2 dated 2/7/50 on the Army Map Service, Bay Shore West, New York quadrangle. *Also approved list attached to this report.*

34. CONTOURS AND DRAINAGE

Contours, -inapplicable.

Drainage, - no comment.

35. SHORELINE AND ALONGSHORE DETAILS

The field inspection for the shoreline and alongshore details was adequate. *See Item 62*

36. OFFSHORE DETAILS

No comment. *See Item 66*

37. LANDMARK and AIDS

Form 567 for six landmarks is being submitted with this report.

See Item 67

38. CONTROL FOR FUTURE SURVEYS

Twelve photo hydro stations are listed in paragraph 49.

39. JUNCTIONS

Satisfactory junctions have been made with the following surveys:

T-9299 to the east
T-9301 to the southeast
T-9300 to the south
T-5605 to the southwest

To the northwest and north there are no contemporary surveys.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 to 45. Inapplicable.

46. COMPARISON WITH EXISTING MAPS

The manuscript No. T-9298 has been compared with the following maps.

1. U.S. Army Map Service Bay Shore, West, New York quadrangle, scale 1:25,000, edition of 1947.
2. U.S.C. & G.S. Air Photo Compilation No. T-5056 (1933) and No. T-5067 (1933) scale 1:10,000.

47. COMPARISON WITH NAUTICAL CHART

The manuscript No. T-9298 has been compared with Chart No. 578, scale 1:40,000, published 26 April 1948 and corrected to Feb. 27; 1950.

Items to be applied to nautical chart immediately:

1. A new pier at the mouth of Sampawams Creek
2. A new canal just west of Willett Creek connecting with Great South Bay
3. Three new small canals connecting with the east bank of Willett Creek
4. A new north and south canal east of Willett Creek 600 meters long connecting with Great South Bay
5. A wreck in Santapogue Creek 500 meters from the mouth.

Items to be carried forward

None.

Respectfully submitted
11 April 1950

Judson Y. Councill
Judson Y. Councill
Cartographic Draftsman

Approved and forwarded
28 April 1950

Hubert A. Paton
Hubert A. Paton
Comdr., USC&GS
Officer in Charge
per Joseph Steinberg

49. NOTES FOR THE HYDROGRAPHER

The following are the photo hydro stations in the area of
Survey No. T-9298:

Photo Hydro Sta. No.	Photo.No.	Description
022 .	ASA 3D-127	Center of flagpole
023 .	ASA 3D-127	Center of bathhouse
024 .	ASA 3D-117	SE corner of wood jetty ✓
025 .	ASA 3D-117	South gable of house ✓
026 .	ASA 3D-117	Flagpole ✓
027 .	ASA 3D-117	Center of flagpole ✓
028 .	ASA 3D-117	Center of flagpole <u>also</u> BABYLON COVE FLAGPOLE, 1933? ✓
029 .	ASA 3D-117	Center of flagpole ✓
030 .	ASA 7D-114	Ventilator on top of beach house
031 .	ASA 7D-114	NE corner of wharf ✓
032 .	ASA 7D-115	Center of end of pier ✓
033 .	ASA 7D-115	Corner of wood bulkhead ✓

PHOTOGRAMMETRIC OFFICE REVIEW

T-9298

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

CONTROL STATIONS

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

ALONGSHORE AREAS

(Nautical Chart Data)

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

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads Just 28. Buildings Just 29. Railroads None 30. Other cultural features None

BOUNDARIES

31. Boundary lines Just 32. Public-land lines Just

MISCELLANEOUS

33. Geographic names Just 34. Junctions Just 35. Legibility of the manuscript Just 36. Discrepancy overlay Just 37. Descriptive Report Just 38. Field inspection photographs Just 39. Forms Just 40. Joseph W. Wolschke Joseph Steinberg
Reviewer Supervisor, Review Section of 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:

STRIKE OUT ONE

Baltimore, Md.

April 12 1950

NON-BLOCKING AIDS OR LANDMARKS FOR CHARTS

I recommend that the following objects which have ~~(been examined)~~ 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

Joseph W. Vorasek

Hubert A. Paton *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 crews. *Nonfloating aids* include buoys, daymarks, and spar buoys.

GEOGRAPHIC NAMES

Survey No. T-9298

No. 1	Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
	New York									1
	Long Island									2
	Great South Bay									3
	Bay Shore								USGB	4
	Lawrence Creek									5
	Brightwaters Canal									6
	Nosreka lakes		(This is spelling in names report)							7
	Brightwaters									8
	Thorn Canal									9
	Hyde Canal									10
	Thompson Creek									11
	Tues Creek									12
	Arnold Canal									13
	Conklin Point									14
	Keith Canal									15
	West Islip									16
	Willet Creek									17
	Skookwams Creek									18
	Sempawams Creek								USGB	19
	Sempawams Point									20
	Babylon Cove									21
	Babylon									22
	Babylon Yacht Club									23
	Hawleys Pond									24
	Argyle Lake									25
	Carll River									26
	Santanogue Point									27

GEOGRAPHIC NAMES

Survey No. T-9208

No. 2

Name on Survey

GEOGRAPHIC NAMES		On Chart No.		On previous survey No.		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
No. 2		A	B	C	D	E	F	G	H	K							
Name on Survey																	
West Babylon Creek																USGB	1
Fleet Point																	2
Santapogue River																	3
Neguntatogue Creek																	4
Strongs Creek																USGB	5
Lindenhurst																	6
Montauk Highway, State No. 27A																	7
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Names underlined in red are approved. Chart 578 will be corrected to agree with above approved names. 6-16-50

L. Heck

Review Report T-9298
Shoreline Map
19 June 1950

62. Comparison with Registered Topographic Surveys:

T-1	1:10,000	1834
T-1314	1:10,000	1873
T-1474	1:10,000	1875
T-1849	1: 5,000	1877
T-3483	1:20,000	1914
T-5056	1:10,000	1934
T-5057	1:10,000	1934
T-6011	1:20,000	1933

These surveys show some marsh areas which were classified by the field inspector as fast land. A small marsh island in Willett Creek was interpreted from the photographs during this review and is shown on the manuscript. It had not been previously surveyed. This survey supersedes the above surveys for nautical charting purposes for the area of this map.

63. Comparison with Maps of Other Agencies:

Bay Shore West (AMS quadrangle) 1:25,000 1943, rev. 1947

64. Comparison with Contemporary Hydrographic Surveys:

None

65. Comparison with Nautical Charts:

578	1:40,000	1941, revised 50-2/6
1215	1:80,000	1947, revised 49-1/10

(See Item 47) *There are no significant differences between the map and the charts except as noted in item 47.*

66. Adequacy of Results and Future Surveys:

Features below the plane of mean high-water are subject to revision or completion by hydrographic surveys. This survey does not position two submerged wrecks shown on the nautical charts for this area.

The area adjacent to the mouth of Willett Creek was being changed by construction activities at the time of the field inspection.

This survey complies with project instructions and meets the National Standards of Map Accuracy.

67. Landmarks:

"Stack, 1949" was positioned by radial plot methods after being identified on the photographs in the compilation office. This new position agrees with that shown on Nautical Chart 578.

Reviewed by:

Everett H. Ramey
Everett H. Ramey

Approved by:

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

H. H. Munster
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

W. M. Seafre
Chief, Div. Coastal Surveys
L. S. H.