

9844

9845

Diag. Cht. Nos. 1212-2 & 1213-3.

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)Field No. Ph-77(51) Office No. T-9844
T-9845

LOCALITY

State New YorkGeneral locality Long IslandLocality Port Jefferson Harbor1945

CHIEF OF PARTY

H. A. Paton, Chief of Field Party.

LIBRARY & ARCHIVES

DATE April 15, 1958

B-1870-1 (1)

DATA RECORD

T-9844 and T-9845

Project No. (II): Ph-77(51)

Quadrangle Name (IV):

Field Office (II): Baltimore, Md.

Chief of Party: Comdr. H. A. Paton

Photogrammetric Office (III): Baltimore, Md.

Officer-in-Charge: Comdr. H. A. Paton

Instructions dated (II) (III):

23 May 1951

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:5,000

Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): 1.000

Date received in Washington Office (IV): 23 1951

Date reported to Nautical Chart Branch (IV): JUL 30 1951

Applied to Chart No.

Date:

Date registered (IV): 15 Oct 1957

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): JEFF, 1931

Lat.: 40° 57' 52.730" (1626.6m) Long.: 73° 04' 39.460" (922.7m)

Adjusted

~~UNADJUSTED~~

Plane Coordinates (IV):

State: N.Y.

Zone: Long Island

Y=

X=

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
 Survey

DATA RECORD

Field Inspection by (II): J.Steinberg-Cartographer
R.A.Horn "
A.Queen-Cartographic Draftsman
W.Edinger " "

Date: June 1951

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): May 1951, field inspection

Projection and Grids ruled by (IV): L.B.C.

Date: 6-11-51

Projection and Grids checked by (IV): H.D.W.

Date: 6-12-51

Control plotted by (III): R.Hartley

Date: 6-14-51

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

Date: 6-14-51

Radial Plot ~~not completed~~ F.J.Tarcza
Control checked by (III):

Date: 6-18-51

Stereoscopic Instrument compilation (III):
Planimetry

Date:

Contours

Date:

Manuscript delineated by (III): B. Kurs
L.A.Senasack

Date: 7-16-51

Photogrammetric Office Review by (III):

Date:

R.Glaser
J.Steinberg

7-20-51

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

Date:

Camera (kind or source) (III):

Number	Date	Time EST	Scale	Stage of Tide above MLW
51-J-3471 to 51-J-3474 incl.	5-14-51	1133	1:5000	0.9
51-J-3480 to 51-J-3486 " "	" "	1138	"	0.9
51-J-3491 to 51-J-3498 " "	" "	1147	"	0.9
51-J-3505 to 51-J-3509 " "	" "	1153	"	0.9 + .9 = 1.8 ft

Tide (III)
From Predicted Tide Tables

Reference Station: Bridgeport, Conn.
Subordinate Station: Port Jefferson, Long Island, N.Y.
Subordinate Station: Setauket, Long Island, N.Y.

Ratio of Ranges	Mean Range	Spring Range
1.0	6.8	8.0
1.0	6.5	7.7
1.0	6.5	7.7

Washington Office Review by (IV):

Date:

Final Drafting by (IV): *M. Day*

Date: *April 1957*

Drafting verified for reproduction by (IV): *W.D. Halluin*

Date: *9-25-57*

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): *3*

Shoreline (More than 200 meters to opposite shore) (III): *19*

Shoreline (Less than 200 meters to opposite shore) (III): *3*

Control Leveling - Miles (II):

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

Recovered: *22*

Identified: *24*

Number of BMs searched for (II): *12*

Recovered: *8*

Identified: *6*

Number of Recoverable Photo Stations established (III): *1*

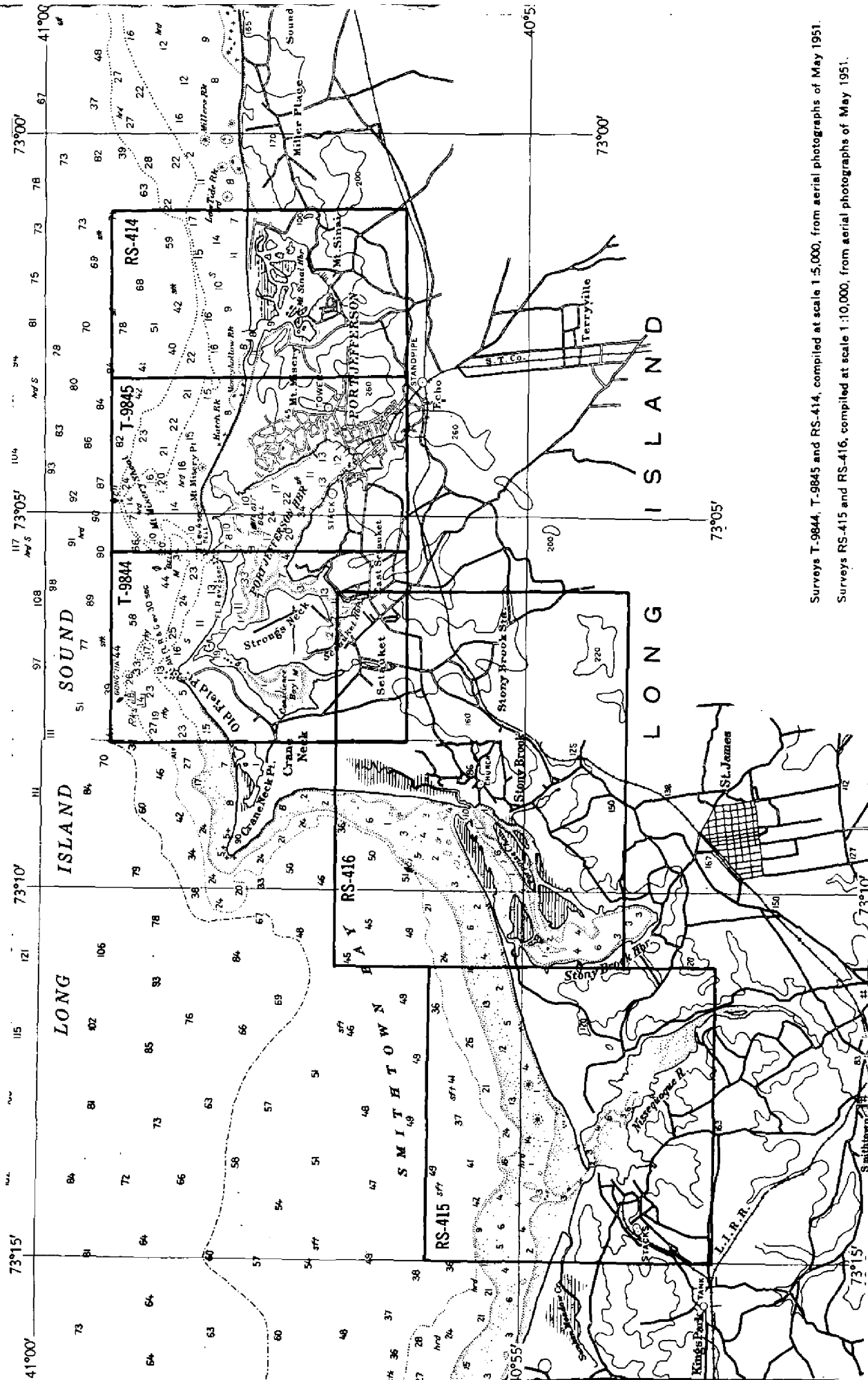
Number of Temporary Photo Hydro Stations established (III): *37*

Remarks:

SHORELINE MAPPING PROJECT PH-77 (51)

NEW YORK LONG ISLAND SOUND

Port Jefferson Harbor & Mt. Sinai Harbor



Surveys T-9844, T-9845 and RS-414, compiled at scale 1:5,000, from aerial photographs of May 1951.

Surveys RS-415 and RS-416, compiled at scale 1:10,000, from aerial photographs of May 1951.

SUMMARY TO ACCOMPANY T-9844 & 45

Ph-77(51) was set up 23 May 1951 to furnish field inspection and compilation for standard shoreline surveys to form bases for a new hydrographic survey (CS-345, 18 July 1951) for Port Jefferson Harbor, Conscience Bay, Setauket Harbor and approaches to Port Jefferson.

Field inspection consisted of shoreline and shoreline features delineation, building classification, road classification, location of near-shore hazards, and selection of photo-hydro stations to be used by the hydrographic party which worked in the area later in the season.

Crown print
~~Cloth mounted copies~~ of T-9844 and T-9845, together with the original descriptive report, will be registered and filed in the Bureau Archives.

FIELD INSPECTION REPORT
SHORELINE SHEETS-9844 & 9845
REVISION SURVEY SHEETS-414, 415, & 416
PROJECT PH-77(51)

Hubert A. Paton, Chief of Party

2. AREAL FIELD INSPECTION

Port Jefferson is a small harbor on the north shore of Long Island. It is a favorite spot for vacationists and is readily accessible by railroad, water, or highway. There are also a sufficient number of diversified industries to make the local population a stable factor, eliminating Port Jefferson from the strictly summer resort category.

The photography is excellent. There has been no difficulty in the interpretation of detail. Inspection on sheets 9844 and 9845 was performed on 1:5,000 scale ratio prints, and for the Revision Surveys the 1:10,000 contact prints were employed.

It is felt that the inspection is complete and adequate. There have been no items specifically left for completion by field edit.

3. HORIZONTAL CONTROL

A total of thirty-two (32) stations have been identified to assist in the plotting and compilation of these sheets. Two new third-order stations were established, namely, "QUEEN-1951" and "WEST JETTY LIGHT (NEW)-1951". The former was determined by a "fix" and the latter by traverse. In addition, a third station was established which is probably of 3rd-order accuracy, but it has been marked as topographic station "LOCK-1951". The position of same was determined by traverse.

7-9844

4. VERTICAL CONTROL

Twelve tidal bench marks have been recovered and of these, eight have been identified.

No other phases of vertical control are applicable to this project.

5. CONTOURS AND DRAINAGE

Not applicable.

6. WOODLAND COVER

The woodland cover is predominantly hardwood (deciduous) trees. In no instance were there sufficient cedar, pine, or other evergreens in the stand to qualify it as a wood "mixed." A few notations of "brush" have been indicated on the photography.

6. WOODLAND COVER (continued)

Dispersed throughout many of the stands of timber are numerous light (almost white) images. This is a somewhat unusual impression and is attributable to the fact that many of the dogwood trees were in bloom at the time of photography.

7. SHORELINE AND ALONGSHORE FEATURES

The photographs were made at an approximate low water stage. In most areas a line of demarcation is visible indicating the mean high water line. Deviations from this in delineations by the field man are deliberate and should not be mistaken as oversight. On occasion the line visible is not the true mean high water line, and in such cases the field man has indicated the true line.

The approximate mean low water line has been indicated at a sufficient number of points for compilation.

The foreshore is generally steep, approaching the nature of bluffs or cliffs. The beaches vary from sand to gravel to boulder strewn and have been so indicated.

There is no evidence of the existence of any submarine cables in the area. Reliable local information verifies this fact.

The distinction between grass in water and marsh in this particular area is a marginal question. The tones on the photos are not sufficiently reliable for interpretation; the field inspector has indicated his interpretations based on ground observations.

8. OFFSHORE FEATURES

In the vicinity of Old Field Point there are an abundance of boulders offshore. This area has been delineated as "foul" on the field photographs. 7-9844

At the northeastern portion of Port Jefferson Harbor there are remains of an old sand and gravel operation, which includes hulks of barges and sundry obstructions. These have been noted on the photographs. It might be added that said obstructions are not a hazard to general navigation in the harbor.

Present charts indicate a wreck at approximate latitude 40-58.1 and longitude 73-05.1. Local information is that there is a boulder, or group of boulders, at this position. An investigation was made by this party with no tangible results. Whatever it may be, it does not bare at low water and this party is not equipped for sub-surface work. The pertinent information has been personally relayed, however, to the hydrographic party that is to follow this survey.

7-7845
Return
w/te Dec
H-7939-
"Comp. work
Rural surveys
10-95-54

9. LANDMARKS AND AIDS

Two landmarks have been recommended for deletion on Form 567, namely, "TOWER" and "CROSS ON HOUSE". At this date said landmarks are of practically no value to the harbor chart. T-9445

All permanent fixed aids to navigation have been located and reported on Form 567. The floating aids, and four semi-permanent fixed aids in Setauket Harbor, have been left for location by hydrography since it is felt they can be more readily determined during that work.

10. BOUNDARIES, MONUMENTS, AND LINES

Not applicable.

11. OTHER CONTROL

One topographic station, namely, "LOCK-1951" has been established. T-9444

Thirty-seven (37) photo-hydro stations have been established to expedite the forthcoming hydrographic survey. It is felt that the distribution of photo-hydro stations, landmarks, and triangulation stations shall be adequate for the boat parties. Signal SIS (TBM #3 on T-Signet) revised in position on 4-7-37

Comdr. John Laskowski visited the field party for the purpose of discussing the adequacy of hydrographic signals selected for the hydrography. With one or two exceptions the location and number of signals selected were found to be adequate.

12. OTHER INTERIOR FEATURES

There are no bridges or cables over navigable waters within the project.

Roads and buildings have been classified in accordance with the latest instructions on each.

There are no airports or landing fields within the project.

13. GEOGRAPHIC NAMES

Recommendations and explanations regarding geographic names have been indicated on the Preliminary Name Sheet. All notes, thereon have been carefully verified by interviews with various local inhabitants, observation of signs and marks, and a review of old local maps.

On the St. James quadrangle "CRANE NECK" should be moved northwesterly to the immediate vicinity of "CRANE NECK POINT" (Refs. 2 & 4).

"WHITE BEACH", "BELLE TERRE BEACH", and "MT. SINAI BEACH" should be used west of entrance to Mt. Sinai Harbor. East of this entrance "MT. SINAI BEACH" should be deleted and replaced by "CEDAR BEACH." (Refs-143).

References -

- 1 - Mr. Laurence Toal
114 Prospect St., Port Jefferson, New York.
- 2 - Dr. Evan Evans, Setauket, L.I., N.Y.
- 3 - Edward Byrne, Box 288, Miller Place, L.I., N.Y.
4. - Mr. A. H. Kiendl, Old Field Point, Port Jefferson, N.Y.

14. SPECIAL REPORTS & SUPPLEMENTAL DATA

There have been no special reports submitted. All field records and photographs have been mailed directly to the Baltimore Photogrammetric Office.

Submitted:
22 June 1951

Joseph Steinberg

For
Robert A. Horn
Cartographic Engineer

PHOTOGRAMMETRIC PLOT REPORT

PROJECT PH-77(51)

SURVEYS T-9844, T-9845, and RS-414 34

21. AREA COVERED

This radial plot covers the areas of Surveys T-9844, T-9845 and RS-414 along Long Island Sound from Old Field Point to Mount Sinai.

22. METHOD - RADIAL PLOT

Map manuscripts- The map projections are on vinylite sheets, ruled at a scale of 1:5,000 with polyconic projections in black. Surveys T-9844 and T-9845 also have Long Island grids (Lambert) ruled in red.

Control stations and substitute stations were plotted using meter bar and beam compass.

A sketch showing the layout of surveys, distribution of control and photograph centers, and a list of control stations are attached to this report.

Photographs - The photographs used in this radial plot are single lens, Type J, ratioed prints at a scale of 1:5,000, the contact scale being 1:10,000.

Thirty-eight (38) photographs were used. They are numbered as follows:

51-J-3469 to 51-J-3488 incl.

51-J-3491 to 51-J-3509 incl.

Templets - Acetate templets were made from all photographs, using a master templet to correct errors due to paper distortion.

Closure and adjustment to control Vinylite sheets with 5000-foot square grids were used as base sheets and all control was transferred to these by matching common grids. The radial plot was constructed beginning with photograph No. 3494 which had six identified control stations. The plot was extended southeastward to well controlled area in the southeast corner of Survey T-9845. It was found impossible to bridge between these controlled areas and obtain a satisfactory plot. An attempt was made to bridge across with the flight to the south (photograph Nos. 3480-3486). This also was unsatisfactory but it was noted that good inter-sections were not obtained on pass points common to both flights. This suggested an error in either the photographs or the adjustments made during construction of templets using the master templet. While making templets it was noted that one of the special fiducial marks consistently showed an error much greater than the distortion corrections revealed by the other marks. It is probable that this fiducial mark is incorrect on the master templet. The glass plate with these special fiducial marks was inverted

while making ratio prints. This necessitated inverting the master templet to make the corrections. It is believed that this inversion of the glass plate may have introduced other errors not properly corrected by the master templet. Therefore, it was decided to make unadjusted templets. The unadjusted templets were made and used in the final radial plot. It was then possible to bridge across and obtain a satisfactory plot. The remainder of the plot was completed and no unusual problems were encountered.

The map manuscripts were placed on the completed plot and common grid lines matched. The positions of all photograph centers and pass points were pricked directly on the map manuscripts.

23. ADEQUACY OF CONTROL

Control was adequate for a good radial plot. All identified control stations were held.

24. SUPPLEMENTARY DATA

No graphic control surveys were used in this radial plot.

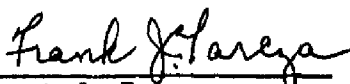
25. PHOTOGRAPHY

The photographic coverage was adequate and the definition of photographs is good. No badly tilted photographs were found.

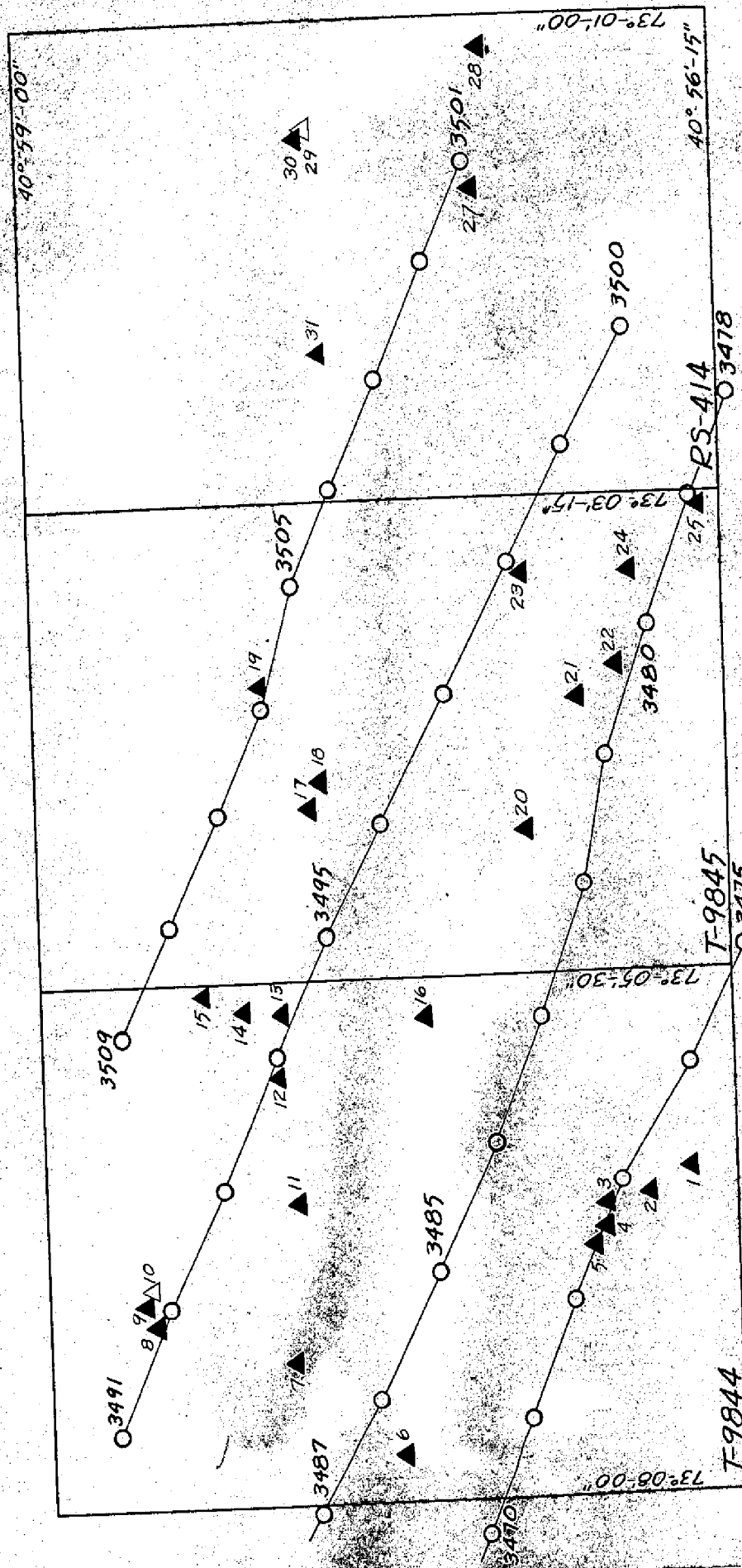
26. OTHER

After it was found that a satisfactory plot could be obtained using unadjusted templets, the adjusted templets were corrected. Those radial lines affected by the one fiducial mark, which appeared in error, were redrawn disregarding this mark but using all other marks. A temporary plot was constructed with these templets. Although a fairly satisfactory plot was obtained it did not appear to be as accurate as the plot using unadjusted templets. It is believed that the inversion of the glass plate, with special fiducial marks, introduced some errors for which proper compensation is not made by the master templet. It is recommended that no photographs be ratioed with the glass plate inverted.

Respectfully submitted


Frank J. Tarcza
Photogrammetric Engineer

CONTROL STATION	IDENTIFICATION
1. SETAUKET, METHODIST CHURCH, SPIRE (MET), 1931	Direct
2. EAST SETAUKET, CATHOLIC CHURCH, SPIRE, 1939	Direct
3. SETAUKET, PRESBYTERIAN CHURCH, SPIRE, 1836	Direct
4. POLE, 1931	Direct
5. SETAUKET, CAROLINE EPISCOPAL CHURCH SPIRE, 1931	Direct
6. CONSCIENCE, 1931	Direct
7. LOCK, 1951 (TOPO STA.)	Sub. Pt.
8. OLD FIELD POINT L.H., 1886	Direct
9. OLD FIELD POINT LIGHT (NEW), 1939	Direct
10. WEST RANGE, 1948	None
11. QUEEN, 1951	Sub. Pt.
12. EAST RANGE, 1948	Direct in office
13. STATION 3 (USE), 1931	Sub. Pt.
14. PORT JEFFERSON, WEST BREAKWATER LIGHT (NEW), 1951	Direct
15. JETTY (PORT JEFFERSON, EAST BREAKWATER LIGHT), 1931	Direct
16. TAUKE, 1931	Sub.Pt. R.M.No.1
17. JEF, 1931	Sub.Pt.
18. FLAGPOLE, 1931	Sub.Pt.
19. MOUNT MISERY BLUFF, 1894	Sub.Pt.
20. VANE, 1931	Sub.Pt.
21. PORT JEFFERSON, NEWCOMB BROS. GARAGE, CUPOLA, 1939	Direct
22. BAPTIST, 1931	Direct
23. BELLE TERRE, TANK, 1939	Direct
24. PORT JEFFERSON, ST. CHARLES HOSPITAL, TOWER, 1939	Direct
25. HOSPITAL, 1931	Direct
26. PORT JEFFERSON STATION, STANDPIPE, 1931	Direct
27. ROAD, 1931	Sub. Pt.
28. CHURCH, 1931	Direct
29. TRIPOD (USE) 1931	None
30. TRIPOD 2, 1939	Sub.Pt.
31. HARBOR, 1931	Sub.Pt. R.M.No.1



LAYOUT SKETCH PROJECT PH-77(51)

Surveys T-9844, T-9845, and RS-414

- Single Lens Office Photographs
- △ Control Stations (Not Identified)
- ▲ Control Stations (Identified)

MAP T. 9844..... PROJECT NO. Ph-77(51)..... SCALE OF MAP 1:5,000..... SCALE FACTOR.....

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR χ -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	
OLD FIELD POINT, L.H., 1882	G-4550 P. 88	N.A. 1927	40 58	36.693				1131.9	(719.0)		
			73 07	08.635				201.9	(1200.9)		
EAST SETAUKET, CATHOLIC CHURCH	G-4550 P. 119	"	40 56	35.03				1080.6	(770.3)		
			73 06	31.19				729.6	(673.9)		
SPIRE, 1939											
SETAUKET PRESBY- TERIAN CHURCH SPIRE, 1836	"	N.A. 1927	40 56	45.111				1391.6	(459.3)		
			73 06	41.255				965.0	(438.4)		
SETAUKET, CAROLINE EPISCOPAL CHURCH,											
SPIRE, 1939	" "	"	40 56	47.547				1466.7	(384.2)		
			73 06	46.029				1076.6	(326.8)		
OLD FIELD POINT LIGHT (NEW) 1939	"	"	40 58	36.980				1140.8	(710.1)		
			73 07	07.380				172.5	(1230.3)		
JETTY (PORT JEFFER- SON EAST BREAK- WATER LIGHT), 1931	G-4550 P. 120	"	40 58	19.909				614.2	(1236.7)		
			73 05	31.345				732.9	(670.0)		
SETAUKET, METHODIST CHURCH, SPIRE (MET) 1931	"	"	40 56	29.088				897.3	(953.6)		
			73 06	24.588				575.2	(828.4)		
STATION 3 (USE) 1931	"	"	40 58	03.880				119.7	(1731.2)		
			73 05	38.575				902.0	(501.0)		
CONSCIENCE, 1931	---	"	40 57	37.04				1142.6	(708.3)		
			73 07	46.13				1678.8	(324.3)		
POLE, 1931	p. 162	"	40 56	45.576				1405.9	(445.0)		
			73 06	43.861				1025.9	(377.5)		

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1 FT. = 3048006 METER

COMPUTED BY: R. R. Hartley

DATE June 5, 1951

CHECKED BY: F. J. Tarcza

DATE 6/6/51.

M. 2385-12

MAP T. 2844 PROJECT NO. Ph-77(51) SCALE OF MAP 1:5,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-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)	
SUB PT R.M. No.1 TAUK, 1931	Comp.	N.A.	40-57				918.0	(932.9)	
QUEEN, 1951	"	"	73-05				976.7	(426.4)	
			40-58	05.678			175.2	(1675.7)	
			73-06	35.889			839.2	(563.8)	
SUB.PT. No.1 QUEEN 1951	"	"	40-57				1691.9	(159.0)	
LOCK, 1951	"	"	73-06				899.1	(503.9)	
			40-58				87.7	(1763.2)	
			73-07				384.4	(1018.4)	
SUB.PT. LOCK, 1951	"	"	40-58				78.5	(1772.4)	
			73-07				388.5	(1014.3)	
SUB.PT. STATION 3 (USE) 1931	"	"	40-58				209.8	(1641.1)	
			73-05				909.2	(493.8)	
WEST RANGE, 1948	G-7545 P.185	"	40-58-36.683				1131.6	(719.3)	
			73-07-06.667				155.9	(1246.9)	
EAST RANGE, 1948	"	"	40-58-05.757				177.6	(1673.3)	
			73-05-58.694				1372.4	(30.5)	
PORT JEFFERSON WEST BREAKWATER LIGHT (NEW), 1951	Comp	"	40-58				403.4	(1447.5)	
			73-05				871.5	(531.5)	
SUB. PT. No. 2 QUEEN, 1951		"	Plotted graphically						

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MAP T-9845

PROJECT NO Ph-77 (51)

SCALE OF MAP 1:5,000

SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		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)
MOUNT MISERY BLUFF, 1894	G-4550 P. 89	N.A. 1927	40-58-07.182			221.6	(1629.3)	
			73 04 07.415			173.4	(1229.6)	
BELLE TERRE, TANK 1939	G-4550 P. 120	"	40 57 04.113			127.8	(1723.1)	
			73 03 36.595			855.9	(547.4)	
PORT JEFFERSON, ST. CHARLES HOSPITAL, P. 121 TOWER, 1939	G-4550 P. 121	"	40 56 38.859			1198.7	(652.2)	
			73 03 35.688			834.8	(568.7)	
HOSPITAL, 1931	"	"	40 56 20.274			625.4	(1225.5)	
			73 03 17.376			406.5	(997.1)	
JEF, 1931	" P. 160	"	40 57 52.730			1626.6	(224.3)	
			73 04 39.460			922.7	(480.3)	
PORT JEFFERSON, NEW- COMB BROS. GARAGE, CUPOLA, 1939	P. 162	"	40 56 50.107			1545.7	(305.2)	
			73 04 10.897			254.9	(1148.4)	
FLAGPOLE, 1931	"	"	40 57 51.96			1602.9	(248.0)	
			73 04 35.91			839.7	(563.3)	
BAPTIST, 1931	" P. 163	"	40 56 44.18			1362.9	(488.0)	
			73 04 01.82			42.6	(1360.9)	
VANE, 1931	"	"	40 57 04.11			126.8	(1724.1)	
			73 04 48.90			1143.7	(259.6)	
PORT JEFFERSON STATION, STANDPIPE, P. 121 1931	G-4550 P. 121	"	40 56 06.175			190.5	(1660.4)	
			73 03 17.329			405.4	(998.2)	
SUB. PT. MOUNT MISERY BLUFF, 1894	Comp. N.A. 1927	"	40-58			330.2	(1520.7)	
			73-04			231.4	(1171.6)	
SUB. PT. FLAGPOLE, 1931	"	"	40-57			1601.3	(249.6)	
			73-04			817.0	(586.0)	

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M-2388-12

COMPUTED BY: H.R. Hartley

DATE June 12, 1951

CHECKED BY: F.J. Tarcza

DATE June 14, 1951

COMPILATION REPORT

T-9844 and T-9845

31. DELINEATION

The usual graphic methods were employed.

Photographic coverage and definition were good, the field inspection was satisfactory, but the ratioed scale of the office photographs was consistently too small. The vertical projector was used for delineation from the office photographs. Wherever possible, the field photographs, which were of somewhat better scale, were used for delineation.

32. CONTROL

The identification, density and placement of horizontal control were adequate.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

No comment.

35. SHORELINE AND ALONGSHORE DETAILS

Many buildings indicated by field inspection as summer houses, class one buildings, were delineated on the manuscripts as class two buildings after it was learned from first hand information that the buildings in question were bath houses.

The shoreline inspection was adequate. Several alongshore features indicated by field inspection as jetties, bulkheads, stone walls, etc. which were obviously functioning as groins were labeled as groins on the manuscripts.

A section of the MHWL around the steel bulkhead just north of triangulation station JEF, 1931 was delineated differently than shown by the field inspection; this was also done on advice of personnel who had recently visited the area. T-9845

Low water lines were based on data furnished by the field party. Shoal lines were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS

No comment.

37. LANDMARKS AND AIDS

Forms 567 for eight (8) landmarks to be charted, two (2) landmarks to be deleted, ~~and~~ one (1) aeronautical aid to be charted, and three (3) nonfloating aids to be charted have been prepared to accompany this report.

38. CONTROL FOR FUTURE SURVEYS

Form 524 for one recoverable photo (topo) station has been submitted with the manuscripts. *LOCK, 1957*

A list of thirty seven (37) photo-hydro stations with their descriptions and one recoverable photo (topo) station has been included in item 49.

39. JUNCTIONS

The junction between the two surveys has been made and is in agreement. These surveys are joined as follows:

To the ~~east~~ ^{west} by RS 416 (partial)
To the ~~west~~ ^{east} by RS 414

There are no contemporary surveys to the north or south.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41 thru 45

Inapplicable.

46. COMPARISON WITH EXISTING MAPS

- (1) AMS St. James, N.Y. quadrangle sheet 6365 I NW scale 1:25,000
AMS V821; 1944; 1947
- (2) AMS Port Jefferson, N.Y. quadrangle sheet 6365 I NE scale 1:24,000
AMS V821; 1944; 1947.

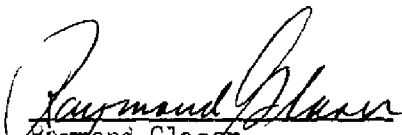
47. COMPARISON WITH NAUTICAL CHARTS

Chart No. 361, scale 1:10,000, published May 1941 (8th edition)
(9-26-49)


Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted
26 July 1951


Raymond Glaser
Cartographer (Photo.)

Approved and forwarded


Hubert A. Paton
Comdr., C&GS
Officer in Charge

48. GEOGRAPHIC NAME LIST

* Beach Street
Belle Terre
Belle Terre Beach

* Cliff Road
Conscience Bay

* E. Broadway
East Setauket

* Long Island Lighting Co.
Long Island Sound

Mount Misery
Mount Misery Point

N.Y. 25A (also near Setauket)

Old Field
Old Field Point

Port Jefferson
Port Jefferson Harbor

* Port Jefferson Yacht Club

Poquott

Setauket
Setauket Beach
Setauket Harbor
Strongs Neck

White Beach

* Name from field inspection

Names approved
2-28-55
L. Heck

The following are names of features not delineated on the manuscript. The names are penciled on the manuscript at the approximate position of the feature:

Money Hollow Rock

Hatch Rock

} Names O.K. if they are to be shown.

T-9844 and T-9845

49. NOTES FOR THE HYDROGRAPHER

The following is a tabulation of photo-hydro stations for T-9844 and T-9845, Ph-77(51):

Photo-Hydro Station No.	Description	Photograph Number
401 <i>Toy</i>	Last boulder seaward on the northwest tip of a small jetty (groin). Awash MHW.	51-J-3483
402 <i>Con</i>	Boulder, bares 2' at MHW	51-J-3483
403 <i>Bat</i>	North Gable of small bath house	51-J-3483
404 <i>Pie</i>	3' piling at NW corner of earth filled pier.	51-J-3473
405 <i>Nut</i>	Small white cupola with red roof	51-J-3473
406 <i>Jam</i>	Large boulder	51-J-3473
407 <i>Pin</i>	EAST GABLE FACING SUN PORCH	51-J-3473
408 <i>War</i>	Center of end of small pier	51-J-3473
409 <i>Tar</i>	Chimney, center of house with two dormer windows	51-J-3483
410 <i>Pat</i>	Center of boulder at end of small stone groin awash MHW (field note says H.W.)	51-J-3483
411 <i>Gas</i>	Gray stone chimney at east gable of house	51-J-3494
412 <i>Top</i>	Seaward (northerly) corner of huge boulder on water line.	51-J-3493
413 <i>End</i>	Center of end of wooden pier	51-J-3493
414 <i>Bar</i>	Northeast corner of a pier	51-J-3486
415 <i>Bil</i>	Center of larger (easterly) of twin boulders	51-J-3486
416 <i>Tom</i>	Chimney in center of house	51-J-3486
417 <i>Dog</i>	Boulder at edge of grass and brush line	51-J-3486
418 <i>Mit</i>	Center of large boulder	51-J-3486
419 <i>Nat</i>	Northwest corner of concrete bulkhead	51-J-3486
420 <i>Jim</i>	Flagpole	51-J-3486
421 <i>Egg</i>	Chimney at east gable of cottage	51-J-3494
422	Slatted diamond shaped structure 12' high-end of measured mile by USC&GS (Δ East Range, 1948)	51-J-3494

Photo-Hydro Station No.	Description	Photograph Number
423 <i>Ken</i>	4" pipe, bare 4" at MHW	51-J-3494
424 <i>Tim</i>	Center of a large (approximately square) boulder	51-J-3483
501 <i>Ivy</i>	Center of two piling leaning NE, about 4' above ground and approximately 8' from MHWL	51-J-3495
502 <i>Gin</i>	An inverted "U" shaped wooden frame, made of 8"x8" timbers, 12' tall and is the <u>westerly</u> of two similar structures. Station is the center of the cross-member	51-J-3495
503 <i>Ket</i>	Center of the southerly end of a small barge aground near the MHWL awash MHW.	51-J-3506
504 <i>Rim</i>	Boulder at the immediate edge of vegetation line, on crest of bluff, boulder is flush with ground.	51-J-3506
505 <i>Cat</i>	NW corner of a pier (state of poor repair)	51-J-3506
506 <i>Dot</i>	Boulder awash MHW; 10' north of old marine railway.	51-J-3506
507 <i>Lam</i>	Flat at west gable of log summer house .	51-J-3496
508 <i>Par</i>	Center of last step of flight of steps leading to beach.	51-J-3497
509 <i>Bob</i>	North corner of steel piling bulkhead.	51-J-3497
510 <i>Ace</i>	NW corner of steel piling bulkhead	51-J-3481
511 <i>Jar</i>	Dolphin at the end of small pier.	51-J-3481
512 <i>Art</i>	East gable of one room shack with large "M" painted on north face.	51-J-3482
513 <i>Cop</i>	Center of large boulder on beach. Bares 5 ft. MHW.	51-J-3483.

The following photo (topo) station is shown on T-9844:

LOCK, 1951

Offshore details to be proved, disproved, or located, are indicated on chart sections accompanying this report.

JO -

PHOTOGRAMMETRIC OFFICE REVIEW

T. 5844 & 5845

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

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy B 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) B 7. Photo hydro stations B 8. Bench marks B
9. Plotting of sextant fixes _____ 10. Photogrammetric plot report B 11. Detail points B

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline B 13. Low-water line B 14. Rocks, shoals, etc. B 15. Bridges _____ 16. Aids to navigation B 17. Landmarks B 18. Other alongshore physical features B 19. Other along-shore cultural features B

PHYSICAL FEATURES

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

CULTURAL FEATURES

27. Roads B 28. Buildings B 29. Railroads _____ 30. Other cultural features _____

BOUNDARIES

31. Boundary lines _____ 32. Public land lines _____

MISCELLANEOUS

33. Geographic names B 34. Junctions B 35. Legibility of the manuscript B 36. Discrepancy overlay B 37. Descriptive Report B 38. Field inspection photographs B 39. Forms B40. Raymond Shaw Joseph Stenberg
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:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

AEONAUTICAL

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

Baltimore, Maryland

July 25 1951

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

Leroy A. Senasack

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 sheets. Information under each column heading should be given.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY~~NONFLOATING AID~~ LANDMARKS FOR CHARTSTO BE CHARTED
~~TO BE OBSOLETE~~

STRIKE OUT ONE

Baltimore, Maryland

July 25, 1951

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

The positions given have been checked after listing by Leroy A. Senasack

Hubert A. Paton

Chief of Party.

STATE NEW YORK			DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	LATITUDE	LONGITUDE			D. M. METERS	°	'	D. P. METERS	DATUM							
										°						
SPIRE			Landmark-Spire on chapel St. Charles Hospital--1951		40 56.	1405	73 03.	949	N.A. 1927	Radial	1951	X			1212 361	
SPIRE			Triang. Sta.--SETAUKET PRESBYTERIAN CHURCH SPIRE-1836 T-9844		40 56	1391.6	73 06	965.0	"	T-9844 Triang.	1836	X			1213 361	
SPIRE			Triang. Sta. BAPTIST-1931 T-9845		40 56	1362.9	73 04	42.6	"	T-9845 Triang.	1931	X			1212 361	
* MARKER			Marker indicating east end of measured nautical mile course. H-7937 T-9844		40 58	177.6	73 05	1372.4	"	T-9844 Triang.	1948	X			1212 361	
** MARKER			Marker indicating west end of measured nautical mile course T-9844		40 58	1131.6	73 07	155.9	"	"	1948	X			1213 361	
VANE			Triang. Sta.--Weather Vane on High Pole - 1931 H-7937		40 57	126.8	73 04	1143.7	"	T-9845 Triang.	1931	X			1212 361	
SPIRE			Mt. Sinai Congregational Church Spire - 1931 Triang. Sta. T-9845		40 57	316.8	73 01	180.6	"	RS-411 Triang.	1931	X			1212 361	
TOWER			Triang. Sta.--OLD FIELD POINT LIGHT-HOUSE (old tower)--1882 H-7937		40 58	1131.9	73 07	201.9	"	T-9844 Triang.	1882	X			1213 361	
*			Triangulation Station EAST RANGE, 1948													
**			Triangulation Station WEST RANGE, 1948													

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

NONTECHNICAL AIDS-OR LANDMARKS FOR CHARTS

TO BE DELETED

STRIKE OUT ONE

Baltimore, Md.

July 25 1951

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

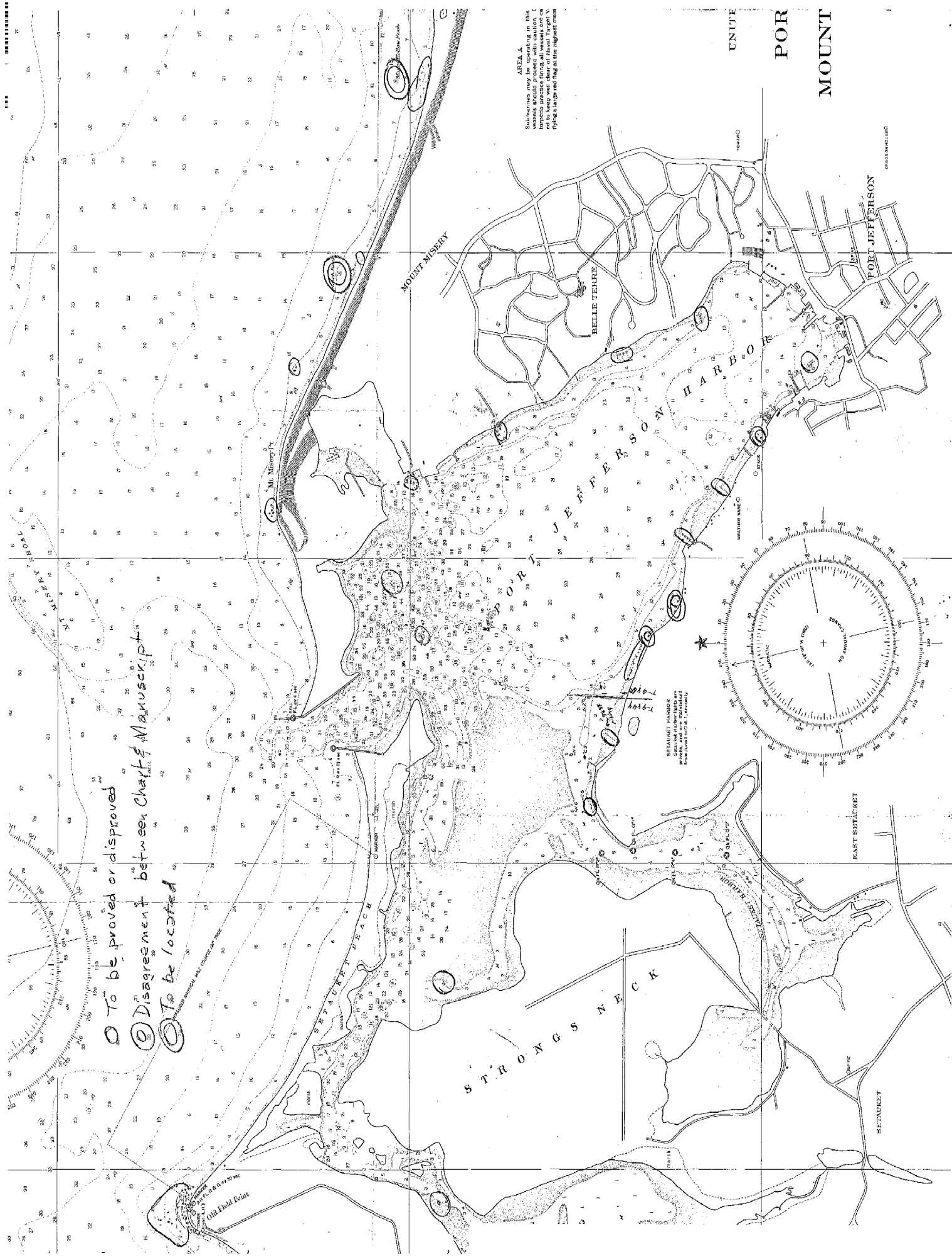
The positions given have been checked after listing by

L. A. Senasack

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 flag stationery sheets. Information under each column heading should be given.



○ To be proved or disproved

○ Disagreement between Chart & Manuscript

○ To be located

AREA A
Submerged rocks and shoals in this area are not shown on this chart. Vessels should proceed with caution. The harbor is shallow and the water is very muddy. A large red flag is at the lightest mark.

UNITE
POR
MOUNT

PORT JEFFERSON

EAST SETACRET

SETACRET

REVIEW REPORT T-9844 & T-9845

Shoreline Maps

28 February, 1955

62. Comparison with Registered Surveys:

T-32	1:10,000	1837-38
T-1399	"	1872
T-1724	"	1885
T-4622	1:5,000	1931
T-4625	1:10,000	1931
T-6739	"	1940

T-9844 and T-9845 supersede the older surveys for charting purposes.

63. Comparison with Maps of Other Agencies:

USE St. James, N. Y.	1:25,000	1947
USE Port Jefferson, N.Y.	1:25,000	1947

Differences, for the most part, are due to scale inequalities and cultural changes. Except for contours, shore and near-shore features on the maps under review supersede the quadrangles for charting purposes.

64. Comparison with Contemporary Hydrographic Surveys:

H-7937	1:5,000	1951
--------	---------	------

T-9844:

The shoreline on H-7937 is that of T-9844, except that a stone bulkhead on the west shore of Conscience Bay between hydro stations BAR and JIM was not so delineated on H-7937; and a small pier on the east shore of the same bay opposite the most southerly of the marsh islands was not delineated.

Changes made during review:

1. A small wood bulkhead was added between the two piers south of hydro station TAP.
2. "Ruins of breakwater" north of hydro station JIM was changed to "ruins of stone bulkhead" along the shoreline (field inspection photo 3473).

3. The shoreline between hydro station BAT and the floating dock is an irregular line in front of a stone bulkhead paralleling the road in that vicinity.
4. The jetty at hydro station TOY has been delineated with a dashed line. It is awash at MHW.
5. The grass-in-water along the south side of the sandbar forming SETAUKET Beach has been changed to a marsh.
6. The MLWL along this marsh has been altered so that it does not agree with that on 7937 because the latter is believed to be in error.
7. The MLWL has been removed over the remainder of the manuscript where it was in conflict with H-7937.
8. A rock has been added at hydro stations CAN and BIL.

T-9845

1. A dock at Port Jefferson shortened. The original delineation included a barge alongside.
2. Three rocks were added at Mt. Misery Point where there appears to be a sunken ledge extending northwestward.
3. A dolphin was added in the vicinity of photo-hydro station JAR.

65. Comparison with Nautical Charts:

361 1:10,000 Sept. 1952

Charted but not mapped:

T-9844:

1. The most easterly pier at East Setauket.
2. Two rocks and a groin or pier in ruins on the east shore of Strong Neck.

T-9845:

1. Wreck and pole at 40° 58.1'/73°-05.1'.
2. Ruins of pier at 40° 57.1'/73° 04.8'
3. Landmark Weather Vane.

4. Wreck at $40^{\circ} 57.2/73^{\circ} 04.2'$

5. Rocks south of pier ruin at Belle Terre

6. Rocks and islet alongshore at $40^{\circ} 57.3'/73^{\circ} 05.4'$.

66. Accuracy:

These maps comply with project instructions and meet the National Standards of Accuracy.

Reviewed by:

Lena T. Stevens
Lena T. Stevens

APPROVED:

Le Lande
Chief, Review Section
Photogrammetry Division

Max Skelton
Chief, Nautical Chart Branch

Bill Swanson
Chief, Photogrammetry Division

W. B. Smith
Chief, Coastal Surveys Division

24 March 1958 *MS*

NAUTICAL CHARTS BRANCH

SURVEY NO. T9844-5

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.