

12396

Original

12396

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey Shoreline (Photogrammetric)	
Field No.	Office No. T-12396
LOCALITY	
State	New York
General locality	Long Island Sound
Locality	Port Jefferson Harbor
1965-1968	
CHIEF OF PARTY	
Allen L. Powell, RADM, Director, AMC	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 5087

## DESCRIPTIVE REPORT - DATA RECORD

T- 12396

PROJECT NO. (II):

PH-6603

FIELD OFFICE (II):

Riverhead (L.I.), New York

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center, Norfolk, Virginia

OFFICER-IN-CHARGE

J. Bull, RADM, USESSA, Director, AMC

INSTRUCTIONS DATED (II) (III):

Field	January 24, 1966	Supplement I
Field	March 1966	
Office	May 27, 1966	Aerotriangulation
Office	September 15, 1966	Compilation

METHOD OF COMPILATION (III):

Kelsh

MANUSCRIPT SCALE (III):

1:20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:8,000 pantographed to 1:20,000

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N. A. 1927

VERTICAL DATUM (III):

MHW

~~MEAN LOW WATER~~ 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 ~~MEAN LOW WATER~~

REFERENCE STATION (III):

CEMETARY HILL 1883

LAT.:

LONG.:

40° 56' 08.972" (276.8m)

73° 03' 48.649" (1138.1)

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

X =

NEW YORK

LONG ISLAND

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.

## DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II):		DATE:
Matthew A. Stewart      Erwest W. Hartford		June-July 1966 =
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):		
Air photo compilation Date of photography Oct. 2, 1965		
PROJECTION AND GRIDS RULED BY (IV):		DATE
A. E. Roundtree		October 24, 1966
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
L. F. Van Scoy		October 25, 1966
CONTROL PLOTTED BY (III):		DATE
L. L. Graves		November 15, 1966
CONTROL CHECKED BY (III):		DATE
R. J. Pate		November 15, 1966
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
P. Hawkins		August 30, 1966
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	A. Shands	June 5, 1967
	CONTOURS	DATE
Inapplicable		
MANUSCRIPT DELINEATED BY (III):		DATE
L. L. Graves		June 10, 1967
SCRIBING BY (III):		DATE
J. Hinton		Sept. 10, 1970
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
Compilation		June 29, 1967
Field Edit Application		Feb. 26, 1968
Scribing and Stic kup		Feb. 1, 1971
REMARKS:		
Field Edit By      R. S. Tibbetts		Nov. 22, 1968

## DESCRIPTIVE REPORT - DATA RECORD

ERA (KIND OR SOURCE) (III):

Wild "2"

## PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65-L-6754R thru 6757R	2 Oct. 1965	1630	1:40,000	5.3 ft. above MLW (from Predicted Tables)
66-L-2863 thru 2865	26 Apr. 1966	0844	1:40,000	0.2 ft. above MLW (from staff reading)

## TIDE (III)

## PREDICTED

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Bridgeport		6.8	8.0
SUBORDINATE STATION: Herod Point		5.9	7.0
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): Leo F. Beugnet, AMC

DATE:  
February, 1971

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

5

RECOVERED:

4

IDENTIFIED:

3

NUMBER OF BM(S) SEARCHED FOR (III):

23

RECOVERED:

17

IDENTIFIED

5

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

0

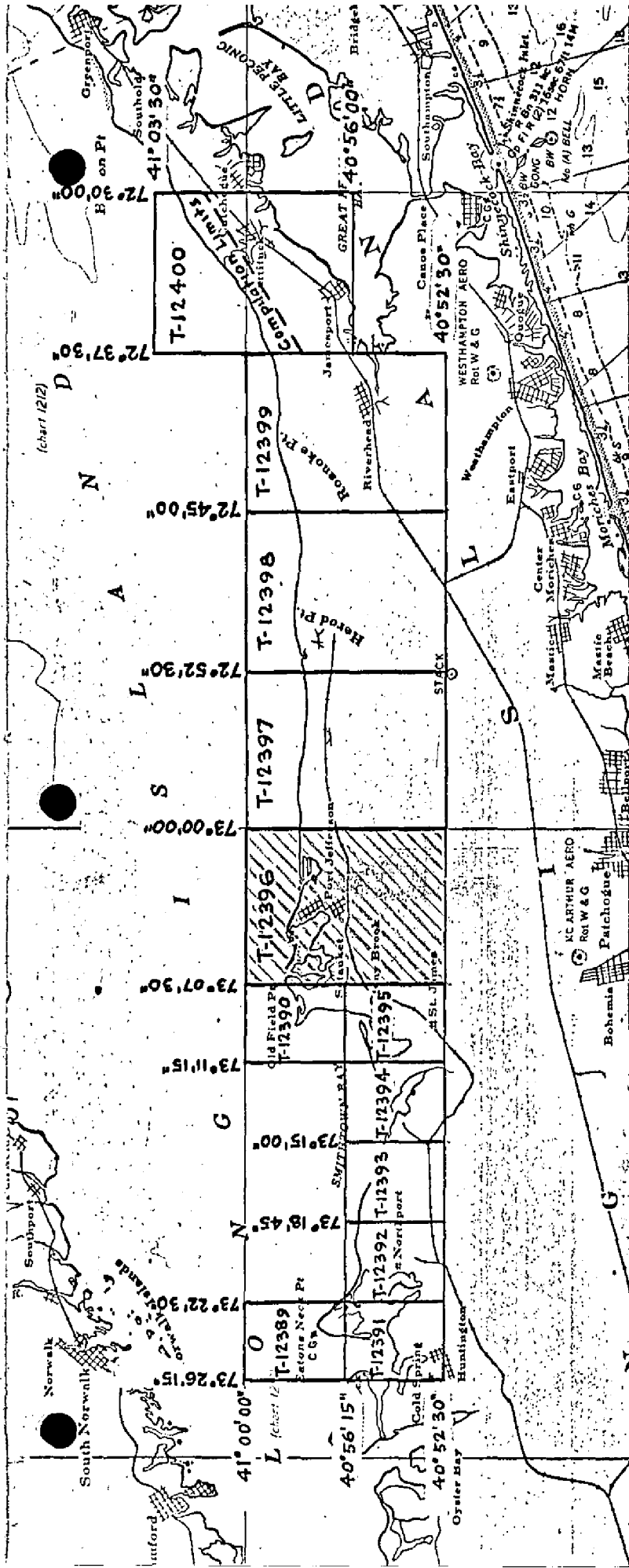
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

0

REMARKS:

T-12396

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending Field Edit	June 1967	Superseded
Field Edit applied Compilation complete	February 1968	



JOB PH - 6603

# SHORELINE MAPPING

NORTH SHORE, LONG ISLAND N.Y.  
Eatons Neck to Mattituck Inlet

SCALE 1:10,000 & 1:20,000

Sheet No.	Sq. M1.
T-12389	2
T-12390	2
T-12391	6
T-12392	4
T-12393	2
T-12394	2
T-12395	2
T-12396	5
T-12397	3
T-12398	4
T-12399	4
T-12400	5
Total	41

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12396

Shoreline survey T-12396 is one of twelve similar surveys in project PH-6603. Seven surveys are at 1:10,000 scale and the remaining five at 1:20,000 scale. The project covers that part of the north shore of Long Island extending from Eatons Neck to Mattituck Inlet. This survey covers the area from Old Field Point to Miller Place. See page 5 for the area within the project.

Field work preceded compilation. This consisted of recovery and identification of horizontal control, shoreline and field inspection, location of fixed aids to navigation and the selection of landmarks for charts.

Compilation was at 1:20,000 scale by Kelsh Plotter methods using the photography of October 2, 1965. Cronaflex copies of the manuscript along with specially prepared photographs and ozalid prints were provided for transfer of the shoreline to the boat sheet, location of photo-hydro signals and field edit use.

The compilation manuscript was a vinylite sheet 7 ½ minutes in latitude by 7 ½ minutes in longitude. After application of field edit data the survey was scribed and reproduced on cronaflex. Final review was in the Atlantic Marine Center in February 1971. One cronaflex positive and a negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT  
JOB PH-6603  
MAPS T-12396 Thru T-12400

This report covers the easterly five maps of Job PH-6603. Since the terrain, methods of surveying, and features are common throughout the area, no special treatment of information or data pertaining to individual maps are needed except as noted herein.

## 2. AREAL FIELD INSPECTION

This area lies along the north shore of Long Island, New York from Old Field Point east to Duck Pond Point. The field work was accomplished during the months of July and August.

Field Inspection was completed in accordance with instructions for shoreline mapping, therefore the entire maps were not field inspected. The inspection was done on several types of photographs. The 1966 color photographs were much clearer than the ones taken in 1965. Some inland field inspection was done on the infrared high water photographs but generally they were poor for this purpose.

The area consists of sand beaches, bluffs, cultivated fields, wooded hills with very little marsh and no swamps. Most of the shoreline is accessible by truck.

Photographs used for field inspection are listed below by maps:

### T-12396

65-L-6548 - Ratio Prints 1:10,000 Scale  
65-L-6530 - " " " "  
65-L-6528 - " " " "  
65-L-6755R - 2 X Ratio Matte Prints (high water photographs)  
66-L-2865 - Color transparencies  
66-L-2864 - " "  
66-L-2863 - " "  
66-L-2862 - " "

### T-12397

65-L-6759R - 2 X Ratio Matte Prints (high water photographs)  
66-L-2866 - Color transparencies  
66-L-2867(2) - " "  
66-L-2868 - " "

### T-12398

65-L-6761R - 2 X Ratio Matte Prints (high water photographs)  
65-L-6763R - 2 X Ratio Matte Prints (high water photographs)  
66-L-2868 - Color transparencies  
66-L-2869 - Color transparencies  
66-L-2870 - Color transparencies  
66-L-2871 - Color transparencies



T-12399

65-L-6765R - 2 X Ratio Matte Prints (high water photographs)  
 66-L-2856R - Ratio Matte Prints  
 66-L-2873 - Color transparencies  
 66-L-2874 - Color transparencies  
 66-L-2875 - Color transparencies  
 66-L-2886 - Color transparencies

T-12400

66-L-2847R - Ratio Matte Photographs  
 66-L-2848R - " " "  
 66-L-2850R - " " "  
 66-L-2852R - " " "  
 66-L-2853R - " " "  
 66-L-2854R - " " "  
 66-L-2876 - Color transparencies  
 66-L-2889 - " " "  
 66-L-2890 - " " "

3. HORIZONTAL CONTROL

Horizontal Control recovery and identification has been completed in accordance with project instructions.

No new control was established.

Only one horizontal control station was reported destroyed within the five maps, namely, OLD FIELD POINT LIGHT (NEW) 1939. It is located in map T-12396.

4. VERTICAL CONTROL

All tidal bench marks in the area were searched for and reported on form 685A.

Identification of the marks on the photograph was in accordance with the topographic manual.

5. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is composed mostly of a few tidal streams. Normal drainage is run off into recharge basins distributed throughout the area. Recharge basins are used to maintain and replenish the level and source of the underground water table. These basins are indicated on the photographs as borrow pits.

6. WOODLAND COVER

Classified in accordance with the topographic manual.

## 7. SHORELINE AND ALONGSHORE FEATURES

No inspection was made of the mean high and low water lines as these are to be compiled from tide controlled infrared and color photography.

The foreshore shera, generally consists of sand and gravel with a liberal sprinkling of rocks and boulders in the bluff areas. Many of these rocks cover and uncover at various stages of the tide. A number of these were called to the compilers attention but no particular effort was made to indicate all of them.

Bluffs were indicated on the color photographs in black ink. The compiler will note that in certain instances bluffs are recommended for chart 361 only. All other bluffs are to be shown on chart 1212, 361 and 363 where applicable.

Docks, piers, wharves, boat ramps etc have been shown on the photographs.

Only one submerged pipeline crossing was encountered. It is approximately 2 miles east of Roanoke Point and is marked on the color photographs.

There are no other shoreline features that warrant mention.

## 8. OFFSHORE FEATURES

Except for a wreck, which is indicated on the color photographs, and a few sand bars in the various harbors, the only offshore features encountered were rocks. Rock areas were carefully inspected at both high and low water and individual rocks were marked on the color photographs. Attention was given to all rocks, but a particular effort was made to locate rocks at the extreme outside of rocky areas. One out-lying rock was located by sextant fix with check angle. In a few areas where there were numerous sunken rocks the area was indicated by a dashed line. Hatch Rock, between Port Jefferson Harbor and Mt. Sinai Harbor, was searched for on two separate occasions without success. However, on both occasions the field inspector had a plus tide. This rock should definitely be searched for by the field editor, as it is a named feature on the charts of the area. Rocks marked on the photographs are awash unless otherwise indicated.

## 9. LANDMARKS AND AIDS

All landmarks for nautical charts were visited and reported on form 567. Two new landmarks were recommended and one was deleted. Particular attention is called to the several landmarks that were recommended for deletion from chart 1212 but are to be retained on charts 361 and 363. Two chart letters are enclosed with the report, one for deletion of a landmark building and another one indicating a landmark feature which is misleading. This is the "tanks" between Roanoke Point and Jacobs Hills. The number indicating the contour surrounding the tanks has been placed adjacent to "tanks" making it appear as "170 tanks". It is recommended that the number either be moved further from the name, placed outside the contour or below the name.

Fixed aids to navigation were located on the infrared photographs and

reported on form 567. Floating aids to navigation were not a subject of the investigation.

10. BOUNDARIES, MONUMENTS AND LINES

In accordance with project instructions.

11. OTHER CONTROL

None established.

12. OTHER INTERIOR FEATURES

Classified according to current instructions.

13. GEOGRAPHIC NAMES

A complete investigation of geographic names was made by Mr. Philip B. Walbolt for all of Job PH-6603 and part of Job PH-6602.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Field Inspection Data to Norfolk, transmittal letter dated 6/23/66, reference # 40.

Horizontal Control Identification Data to Rockville, transmittal letter dated 7/8/66, reference # 62-1 and transmittal letter dated 6/24/66, reference # 42.

Geographic Names Investigation Report to Rockville, transmittal letter dated 8/1/66, reference # 62-3.

Submitted:  
August 15 August 1966

*Joseph K. Wilson*  
Joseph K. Wilson  
Chief, Photo Party 62

U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY  
DESCRIPTIVE REPORT  
CONTROL RECORD

1 of 2

MAP T-12396

PROJECT NO. PH-6603

SCALE OF MAP 1:20,000

SCALE FACTOR NONE

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $\lambda$ -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)	FORWARD	(BACK)
SETAUKET, PRESBYTERIAN										
CHURCH, SPIRE, 1836	G.P. 119	N.A. 1927	40°56'45.111" 73°06'41.255"	1391.6	(459.3)					
SETAUKET, METHODIST				965.0	(438.4)					
CHURCH, SPIRE, (MET), 1931	" 120	"	40°56'29.088" 73°06'24.588"	897.3	(953.6)					
WEST RANGE, 1948	" 185	"	40°58'36.683" 73°07'06.667"	1131.6	(719.3)					
PORT JEFFERSON, WEST BREAKWATER				155.9	(1246.9)					
LIGHT, 1951	" 189	"	40°58'13.08" 73°05'37.27"	403.5	(1447.4)					
PORT JEFFERSON, EAST BREAKWATER	" 120	"	40°58'19.909" 73°05'31.345"	871.4	(531.5)					
OLD FIELD POINT LIGHTHOUSE, 1882	" 88	"	40°58'36.693" 73°07'08.635"	614.2	(1236.7)					
				732.9	(670.0)					
				1131.9	(719.0)					
				201.9	(1200.9)					
CEMETARY HILL, 1883	" 27	"	40°56'08.972" 73°03'48.649"	276.8	(1574.1)					
				1138.1	(265.6)					

1 FT. = 3048006 METER

COMPUTED BY A. C. RAUCK, JR.

DATE SEPT. 30, 1966

CHECKED BY L.O. NETERER, JR.

DATE OCT. 6, 1966

COMM-DC-57843

U.S. DEPARTMENT OF COMMERCE  
DESCRIPTIVE REPORT  
COAST AND GEODETIC SURVEY  
CONTROL RECORD

2 of 2

MAP T. 12396

PROJECT NO. PH-6603

SCALE OF MAP 1:20,000

SCALE FACTOR NONE

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR $\psi$ -COORDINATE LONGITUDE OR $x$ -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
PORT JEFFERSON, STATION STANDPIPE, 1931	G.P. 121	N.A. 1927	40°56'06.175" 73°03'17.329"	190.5 (1660.4) 405.4 ( 998.3)			
PORT JEFFERSON, LONG ISLAND LIGHTING CO.	G.P. VOL. IV						
CENTER STACK, 1962	Page 81	"	40°57'00.433" 73°04'45.180"	13.4 (1837.5) 1056.7 ( 346.6)			
PORT JEFFERSON, LONG ISLAND LIGHTING CO.	"						
SOUTHWEST STACK, 1962	"	"	40°56'59.461" 73°04'46.287"	1834.3 ( 16.6) 1082.6 ( 320.7)			
POLE, 1931	" 163	"	40°56'45.576" 73°06'43.861"	1405.9 ( 445.0) 1025.9 ( 377.5)			
BAPTIST, 1931	"	"	40°56'44.18" 73°04'01.82"	1362.9 ( 488.0) 42.6 (1360.8)			
CHURCH, 1931	" 120	"	40°57'10.269" 73°01'07.723"	316.8 (1534.1) 180.6 (1222.6)			
TRIPOD 2, 1939	G.P. 119	"	40°57'53.686" 73°01'32.245"	1656.1 ( 194.8) 754.0 ( 649.0)			
EAST RANGE, 1948	G.P. 185	"	40°58'05.757" 73°05'58.694"	177.6 (1673.3) 1372.4 ( 30.6)			
HARBOR R.M. 1, 1931	Office Comp.		40°57'51.024" 73°02'32.826"	1574.0 ( 276.9) 767.6 ( 635.4)			
							12

1 FT. = 3048006 METER

COMPUTED BY A. C. RAUCK, JR.

DATE SEPT. 30, 1966

CHECKED BY L. O. NETERER, JR.

DATE OCT. 6, 1966

COMM-DC-57843

PHOTOGRAMMETRIC PLOT REPORT  
Job PH-6603  
North Shore Long Island, New York

August 30, 1966

21. Area Covered

The area covered in this report extends from Eatons Neck to Mattituck Inlet, along the North Shore of Long Island, New York. Included in this area are T-sheets 12390 thru 12400.

22. Method

Five strips of photography (A thru E) were bridged on the stereo-planigraph and adjusted by IBM 1620 methods. Strip "A" was adjusted on six control stations, with three control stations as checks. Strip "B" was adjusted on five control stations. Strip "C" was adjusted on four stations with two stations as checks. Strip "D" was adjusted on seven stations with three stations as checks. Strip "E" was adjusted on two stations with three stations as checks. All points were drilled by PUG methods. The points between strips were averaged.

23. Adequacy of Control

Horizontal control was adequate and complied with project instructions. All control held within National Map Accuracy Standards with the following exceptions:

- (1) OLD FIELD PT. LT. (new) 1939, held in Strip "C" but could not be seen clearly in Strip "D" and as a result could not be held in Strip "D".
- (2) INDIANA 1933, SS "A" and SS "B" could not be held in either Strips "D" or "E" due to poor images and deep shadows which resulted in the inability of the stereoplanigraph operator to identify the substations with any degree of accuracy.

24. Supplemental Data

Local USGS quads were used for vertical control during bridging adjustment. Vertical elevations obtained by the bridge should not be used to obtain exact vertical datum.

25. Photography

Photography was adequate as to coverage and overlap. Definition and quality of diapositives were not up to usual standards in that they were very dark. However, all photography was usable.

Submitted by:

Paul Hawkins  
Paul Hawkins by JHP

Approved by:

John D. Perrow, Jr.  
John D. Perrow, Jr.

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COMPILATION REPORT  
T-12396

31. DELINEATION:

The Kelsh Plotter was used to delineate the MHWL and all inland details. Offshore details were compiled by the graphic method using secondary control established by the Kelsh Plotter.

Definition and quality of the photographs were not up to usual standards in that they were very dark. However, all photography was usable.

32. CONTROL:

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours are inapplicable.

Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline inspection was adequate.

The low water line was shown by office interpretation of the low water photography.

There were some rocks that were not identified by the field inspector. These have been called to the attention of the field editor for verification.

36. OFFSHORE DETAILS:

Offshore details have been shown as field inspected. Refer to Item 35.

37. LANDMARKS AND AIDS:

Appropriate copies of Form 567 for LANDMARKS AND AIDS have been submitted to the Washington Office under date February 1968.



38. CONTROL FOR FUTURE SURVEYS:

NONE

39. JUNCTIONS:

Junctions are in agreement with T-12397 to the east and T-12390 (scale 1:10,000) to the west.

There are no contemporary surveys to the north or south.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with U.S.G.S. Quadrangle PORT JEFFERSON, N.Y., scale 1:24,000, dated 1955.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart No. 117-SC, scale 1:40,000, dated October 22, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None

ITEMS TO BE CARRIED FORWARD:

None

*R. J. Pate.*  
R. J. Pate, 9-15-70  
Cartographer

Approved and forwarded:

*Allen L. Powell*  
Allen L. Powell, RADM, NOAA  
Director, Atlantic Marine Center

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6603 (New York)

T-12396

Belle Terre

Cedar Beach

Conscience Bay

East Setauket

Little Bay

~~Long Island~~

Long Island Sound

Miller Place

Miller Place Beach

Moneyhollow Rock

Mount Misery

Mount Sinai

Mount Sinai Harbor

Mount Misery Point

New York

Old Field

Old Field Beach

Old Field Point

Poquott

Port Jefferson

Port Jefferson Harbor

Setauket Harbor

St. Charles Hospital

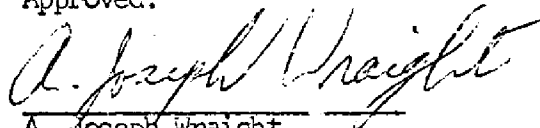
Strong Neck

The Narrows

White Beach

Setauket

Approved:

  
A. Joseph Wraight  
Chief Geographer

Prepared by:

  
Frank W. Pickett  
Cartographic Technician

T-12396

49: NOTES FOR THE HYDROGRAPHER:

Refer to those notes found on the Field Edit Ozalid.

FORM C&GS-1002 (9-66)		<b>PHOTOGRAMMETRIC OFFICE REVIEW</b> <b>T-12396</b>		U.S. DEPARTMENT OF COMMERCE ESSA COAST AND GEODETIC SURVEY	
1. PROJECTION AND GRIDS		2. TITLE		3. MANUSCRIPT NUMBERS	
BW		BW		BW	
4. MANUSCRIPT SIZE					
BW					
<b>CONTROL STATIONS</b>					
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY		6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)		7. PHOTO HYDRO STATIONS	
BW		BW		X	
8. BENCH MARKS		9. PLOTTING OF SEXTANT FIXES		10. PHOTOGRAMMETRIC PLOT REPORT	
X		RES		Bridge (W.O.)	
				Kelsh	
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>					
12. SHORELINE		13. LOW-WATER LINE		14. ROCKS, SHOALS, ETC.	
BW		BW		BW & RES	
15. BRIDGES				X	
16. AIDS TO NAVIGATION		17. LANDMARKS		18. OTHER ALONGSHORE PHYSICAL FEATURES	
RES		RES		BW	
				BW	
<b>PHYSICAL FEATURES</b>					
20. WATER FEATURES		21. NATURAL GROUND COVER		22. PLANETABLE CONTOURS	
BW		BW		X	
23. STEREOSCOPIC INSTRUMENT CONTOURS		24. CONTOURS IN GENERAL		25. SPOT ELEVATIONS	
X		X		X	
				BW	
<b>CULTURAL FEATURES</b>					
27. ROADS		28. BUILDINGS		29. RAILROADS	
BW		BW		X	
				BW	
<b>BOUNDARIES</b>					
31. BOUNDARY LINES		32. PUBLIC LAND LINES			
X		X			
<b>MISCELLANEOUS</b>					
33. GEOGRAPHIC NAMES		34. JUNCTIONS		35. LEGIBILITY OF THE MANUSCRIPT	
BW		BW		RES	
36. DISCREPANCY OVERLAY		37. DESCRIPTIVE REPORT		38. FIELD INSPECTION PHOTOGRAPHS	
X		RES		BW	
				BW	
40. REVIEWER		SUPERVISOR, REVIEW SECTION OR UNIT			
<i>Bernice W. Wilson - 6-29-67</i> <i>G. E. Smith - 9-14-70</i> <b>BW &amp; RES</b>		<i>Albert C. Rauck, Jr.</i> <b>ACR</b>			
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			
<i>F. P. Maggiotta</i> <b>F. P. Maggiotta</b>		<i>Albert C. Rauck, Jr.</i> <b>A. C. Rauck, Jr.</b>			
43. REMARKS					
Field Edit applied from Field Edit Ozalid, Field Edit and/or hydro cronaflex, Field Photos Nos. 66-L-2863 & 2864.					

FIELD EDIT REPORT

PROJECT PH 6603

LONG ISLAND, NEW YORK

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51. This report is submitted for sheets T-12389 thru T-12396. The edit was accomplished by visually inspecting the shoreline from a small boat and via road by truck.

All questions were answered as completely as possible on the discrepancy ozalids. In several cases the field editor was asked to locate and or verify depths and numerous rocks.

The Ship Whiting had already completed Hydrography, before field Edit of sheets T-12389 thru T-12396 was started. They obtained depths and positions on all rocks during the course of hydrography. The field editor obtained a copy of this data and it was transmitted with the field edit data.

No comparison was made with the Whittings Boat Sheets where there was a overlap of work, because the Whiting left the area before edit was completed.

52. Adequacy of Compilation.

These maps are adequate for the transfer of shoreline and location of signals on hydrographic survey sheets.

54. Recommendations.

None.

Respectfully submitted:

*Robert S. Tibbetts*  
Robert S. Tibbetts

FIELD EDIT REPORT  
JOB PH-6603  
MAPS T-12396 thru T-12398

51. The mean high waterline along the sound was verified by visual inspection from a small boat. Requests for correction, additions and deletion are indicated on the Field Edit Sheet with reference to the photograph by number or cronaflex on which the information is shown.

Streets and roads were traveled to verify existence and classification.

No new landmark buildings were noted during Field Edit.

Landmarks and aids to navigation were visually verified as to existence. No new landmarks or aids were noted.

52. ADEQUACY OF COMPILATION:

After application of field edit correction, additions and deletions, compilation will be adequate.

53. MAP ACCURACY:

No test were specified, however, hydro-signals for the most part were located by a traverse along the beach, and whenever possible traverse stations were put over passpoints, these all checked well, the greatest error was approximately three tenths millimeter.

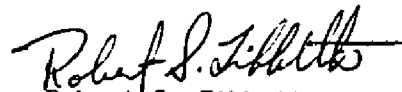
54. RECOMMENDATIONS:

None offered.

55. EXAMINATION OF PROOF COPY:

Not required.

Submitted 11/22/68

  
Robert S. Tibbetts  
Surveying Technician

12  
REVIEW REPORT T-~~11~~396

SHORELINE

FEBRUARY 4, 1971

61. GENERAL STATEMENT

See Summary, which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Comparison was made with copies of registered surveys No. 1724, 1:10,000 scale, dated 1886 and No. 1726, 1:10,000 scale, dated 1885. These surveys have become obsolete by the passage of time. Major changes in the shoreline have occurred at the entrances to Port Jefferson and Mt. Sinai Harbors. These and the more significant differences between the surveys have been indicated on the comparison print in blue.

Registered surveys Nos. 1724 and 1726 are superseded by T-~~11~~396 for nautical chart construction purposes.  
12

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Comparison was made with USGS PORT JEFFERSON, N.Y. 7½ minute quadrangle, 1:24,000 scale, edition of 1955. With the exception of the changes in the shoreline at the entrances to Mt. Sinai and Port Jefferson Harbors and changes within Mt. Sinai Harbor, due to dredging, the two surveys are in good general agreement.

The USGS quadrangle and chart 361 show a number of wrecks in Port Jefferson Harbor in the area of latitude 40°58.2' longitude 73°04.6'. Only two of these are visible on the photographs and have been mapped.

Differences between the surveys have been indicated on the comparison print in blue.



64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There were no contemporary hydrographic surveys available for comparison purposes at the time of final review.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 361, 11th edition dated April 14, 1969. The two surveys are in good general agreement with the following exceptions:

Only a relative few of the rocks surrounding Old Field Point are identifiable on the photographs.

A wreck at latitude 40°58'09" longitude 73°06'08" and a submerged wreck at latitude 40°58'00" longitude 73°03'33" are not visible on the photographs.

Some changes in the marsh limits in Mt. Sinai Harbor have occurred.

All differences between the chart and this survey have been indicated on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Reviewed by:

*Leo F. Beugnet*  
Leo F. Beugnet  
Cartographer

Approved for forwarding:

*Melvin J. Umbach*  
Melvin J. Umbach, CDR, NOAA  
Chief, Photogrammetry Division, AMC

Approved:



Allen L. Powell, RADM, NOAA  
Director, Atlantic Marine Center

Approved:



Chief, Photogrammetric Branch



Chief, Photogrammetry Division



59'00"

40° 59' 00"  
66-L(C)-2863

OLD FIELD POINT  
LIGHT 1966

Old Field Pt

*Rocks shown in this area on  
chart are not visible on  
Photographs*

WEST RANGE 1948

Bluff  
Bluff  
shallow  
Retaining wall  
Groin

Old  
Field

The

Narrows

Old Field Beach

*wreck not visible  
on photos*

PORT JEFFERSON  
WEST BREAKWATER  
LIGHT 1951

PORT JEFFERSON  
EAST BREAKWATER  
LIGHT 1931

EAST RANGE 1948

58'00"

y=270,000 FT

*Conscience  
Not visible on Photos*

Bay

Strongs

Neck

PORT

*Bare areas not  
visible on photos*

JEFFERSON

Little  
Bay

Cemetery

Harbor

Poquott

40° 57' 00"

57'00"

65-L-6754R

Setauket

*Red- from Chart 1212  
shoreline in blue from  
registered survey 1724  
& 1726*

SETAUKET METHODIST CHURCH  
SPIRE (MET) 1931

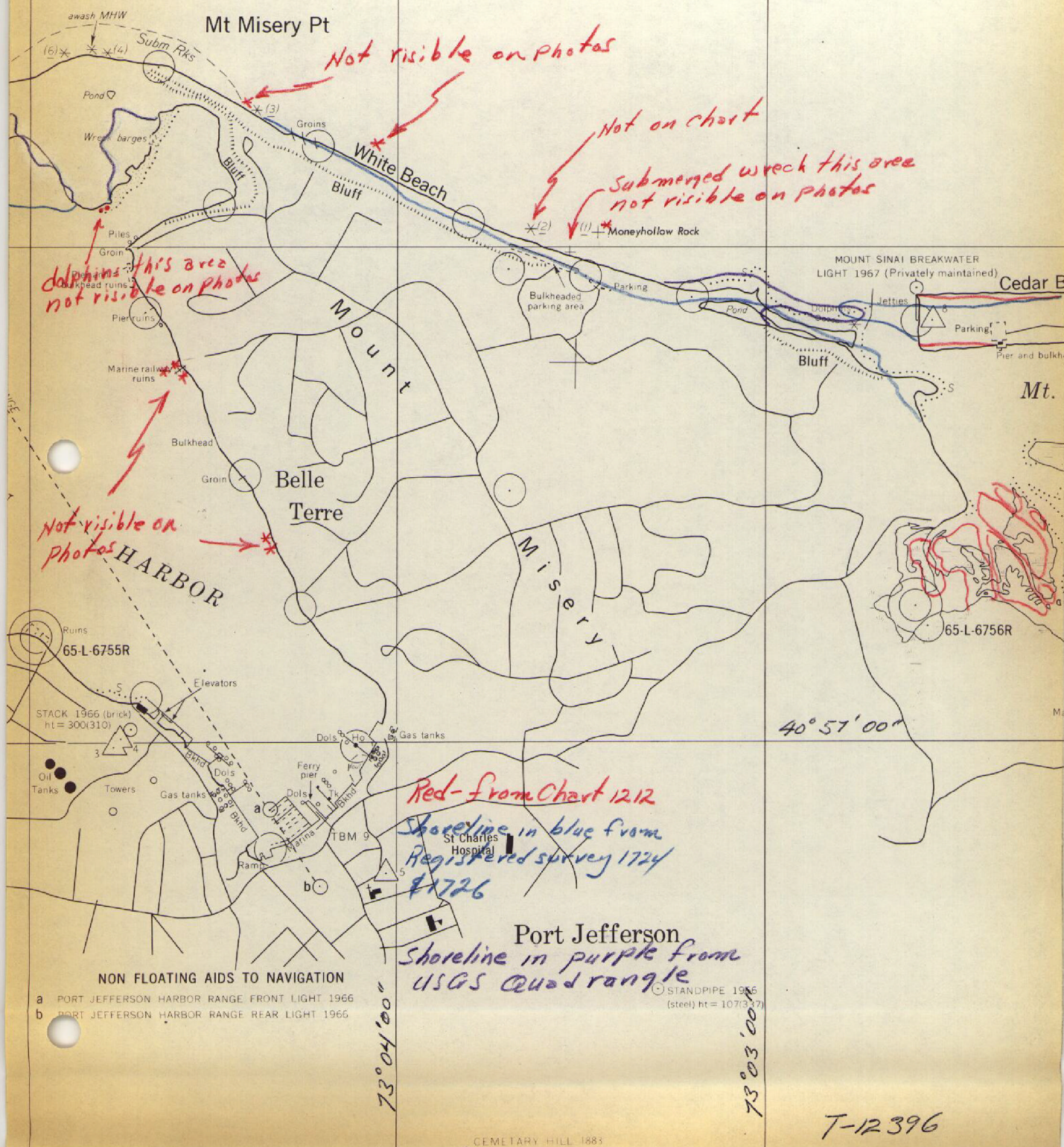
East Setauket

T-12 396

13° 07' 00"

13° 06' 00"







U N D



66-L(C)-2865

40° 59'00"

*Rocks not visible  
on photos*

*Millers Rock*

\*  
\*(1)

*Low Tide Rock*

\*  
\*(1)

\*(1)

(1)\*

(3)\*

\*(1)

58'00"

Miller Place Beach

Bluff

y=270,000 FT

each  
Groins  
Groins  
TRIPOD 2. 1939  
Parking  
Ramp

Sinai Harbor

Miller  
Place

65-L-6757R

73°00'00"

Mount Sinai

40° 57'00"

*Shoreline in red from Chart 1212*  
*Shoreline in blue from registered  
Survey 1726*

*Rocks in purple from USGS quadrangle*

73°01'00"

T-12396

## NOTIFICATION OF LANDMARKS FOR CHARTS

TO BE CHARTED  
UNREVIEWED  
UNREVIEWED

STRIKE OUT TWO

Atlantic Marine Center

February 27, 1968

I recommend that the following objects which have ~~(361, 1212)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(361, 1212)~~ the charts indicated.

The positions given have been checked after listing by

*R. E. Smith*

R. E. Smith

For J. Bull, RADM, USESSA

Director, AMC

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
	LATITUDE				LONGITUDE										
	° ' "	D.M. METERS			° ' "	D.P. METERS									
	LONG ISLAND SOUND														
STANDPIPE		40 56	29.95 924	73 03	17.44 408	N.A. 1927	Photo. T-12396	7/15/66	X					361, 1212 117-SC	
STACK															
		40 57	01.62 50	73 04	43.40 1015	N.A. 1927	Photo. T-12396	5/12/66	X					361, 1212 117-SC	
SPIRE		40 57	10.269 316.8	73 01	07.723 180.6	N.A. 1927	Triang. T-12396	Verifi. 6/29/67	X					361, 1212 117-SC	
ABAND. LT. HO.		40 58	36.693 1131.9	73 07	08.635 201.9	N.A. 1927	Triang. T-12396	Verifi. 5/12/66	X					361, 1212 117-SC	
SPIRE		40 56	45.111 1391.6	73 06	41.255 965.0	N.A. 1927	Triang. T-12396	Verifi. 5/12/66	X					361, 1212 117-SC	
STACK															
		40 57	00.433 13.4	73 04	45.180 1056.7	N.A. 1927	Triang. T-12396	Verifi. 5/12/66	X					361, 1212 117-SC	
STACK															
		40 56	59.461 1834.3	73 04	46.287 1082.6	N.A. 1927	Triang. T-12396	Verifi. 5/12/66	X					361, 1212 117-SC	
		40 56	44.18 1362.9	73 04	01.82 42.6	N.A. 1927	Triang. T-12396	Verifi. 5/25/66	X					361, 1212 117-SC	
SPIRE		40 56	04.67 144	73 07	26.54 621	N.A. 1927	Photo. T-12396	6/10/66	X					361, 1212 117-SC	
STANDPIPE		40 56													

This form shall be prepared in accordance with Hydrographic Manual, Publication 20-2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and non-charted aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not of individual field survey sheets. Information under each column heading should be given.

\* TABULATE SECONDS AND METERS



## NONFLOATING AIDS EXAMINATIONS FOR CHARTS

TO BE CHARTED  
FOR EXAMINATION  
AND REVISION

STRIKE OUT TWO

Atlantic Marine Center

February 27, 19 68

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

The positions given have been checked after listing by

R. E. Smith

P. E. Smith

For J. Bull, RADM, USESSA

Director, AMC

Chief of Party

STATE	NEW YORK		SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
	CHARTING NAME	DESCRIPTION		LATITUDE*		LONGITUDE*		DATUM								
				° ' "	D.M. METERS	° ' "	D.P. METERS									
		LONG ISLAND SOUND														
		PORT JEFFERSON HARBOR														
LIGHT		(Port Jefferson East Breakwater Light 1931)		40 58	614.2	19.909		73 05	31.345	732.9	N.A. 1927	Triang. T-12396	Verifi. 5/12/66	x	x	361, 1212 117-SC
LIGHT		(Port Jefferson West Breakwater Light 1951)		40 58	13.08	403.5		73 05	37.27	871.4	N.A. 1927	Triang. T-12396	Verifi. 5/12/66	x	x	361, 1212 117-SC
LIGHT		Range Front Light, Priv. Aid		40 56	51.90	1601		73 04	20.61	482	N.A. 1927	Photo. T-12396	Verifi. Oct. 67	x	x	361, 1212 117-SC
LIGHT		Range Rear Light, Priv. Aid		40 56	42.27	1304		73 04	12.74	298	N.A. 1927	Photo. T-12396	Verifi. Oct. 67	x	x	361, 1212 117-SC
LIGHT		Old Field Point Light		40 58	36.86	1137		73 07	08.55	200	N.A. 1927	Photo. T-12396	5/12/66	x	x	361, 1212 117-SC
		MOUNT SINAI HARBOR														
LIGHT		Mount Sinai Breakwater Lt. Priv. Aid		40 57	55.14	1701		73 02	35.54	831	N.A. 1927	Photo. T-12396	Oct. 67	x	x	361, 1212 117-SC

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.7, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. 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.

\* TABULATE SECONDS AND METERS

## FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

T-12396

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

FORM C & GS-8352 SUPERSEDES ALL EDITIONS OF FORM C & GS-975.