

12389

Original

12389

FORM C&GS-504	
U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	Shoreline (Photogrammetric)
Field No.	Office No. T-12389
LOCALITY	
State	New York
General locality	Long Island Sound
Locality	Eatons Neck
1965 - 1967	
CHIEF OF PARTY	
Allen L. Powell, RADM. Director, Atlantic Marine Center	
LIBRARY & ARCHIVES	
DATE	

USCOMM-DC 37022-P66

027/72

DESCRIPTIVE REPORT - DATA RECORD

T -12389

PROJECT NO. (II):

Job PH-6603

FIELD OFFICE (II):

Riverhead, Long Island, New York

CHIEF OF PARTY

Joseph K. Wilson

PHOTOGRAMMETRIC OFFICE (III):

Atlantic Marine Center, Norfolk, Virginia

OFFICER-IN-CHARGE

J. Bull, RADM, Director

INSTRUCTIONS DATED (II) (III):

FIELD January 24, 1966 Supplement I
FIELD March, 1966/6314
OFFICE May 27, 1966 Aerotriangulation
OFFICE September 15, 1966 Compilation

METHOD OF COMPILATION (III):

B-8 Plotter and Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

1:5,000 pantographed to 1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

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):

EATON 2, 1883

LAT.:

40° 56' 20.977"

LONG.:

73° 23' 33.454"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

Y =

260,579.12

X =

2,167,812.13

STATE

New York

ZONE

Long Island

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
(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): Matthew A. Stewart		DATE: 4/18/66 6/17/66
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air photo compilation Date of photography: October 10, 1965		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE 10/13/66
PROJECTION AND GRIDS CHECKED BY (IV): R. Glaser		DATE 10/17/66
CONTROL PLOTTED BY (III): A. Santillan A. C. Rauck, Jr.		DATE 10/10/66 10/19/66
CONTROL CHECKED BY (III): ↓ K. Boyle C. H. Bishop		DATE 10/10/66 10/19/66
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): P. Hawkins		DATE 8/30/66
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY B. H. Barnes	DATE 3/13/66
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): B. Wilson		DATE 3/30/66
SCRIBING BY (III): R. R. White		DATE 4/16/68
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): C. H. Bishop		DATE 3/31/66
REMARKS: FIELD EDIT BY: R.S. TIBBETTS OCT. 1967		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

RC-8 "L" Camera

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
65 L-6567 and 6568	10-02-65	0822	1:30,000	2.5 ⁸ ₂ ft. above MLW
65 L-6572 and 6573	"	0833	"	2.8 ⁵ ₅ " " "

PREDICTED TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Bridgeport		6.8	8.0
SUBORDINATE STATION: Eatons Point Nissequogue River Entrance		7.0 ⁴	8.3 ⁷
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

Leo F. Beugnet, Atlantic Marine Center

DATE:

Nov. 1969

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):

3

RECOVERED:

3

IDENTIFIED:

1

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

Tidal BMs 4

RECOVERED:

4

IDENTIFIED:

1

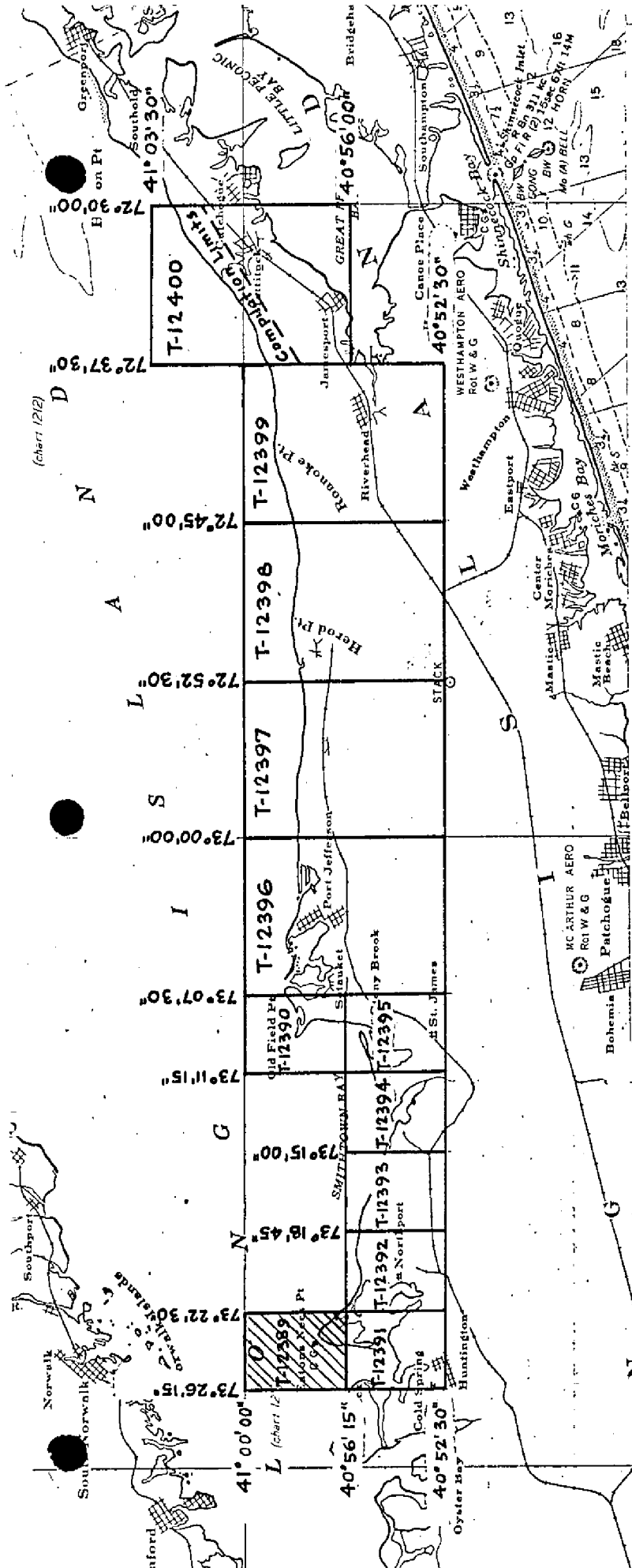
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

T-12389 Ph-6603

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending field edit	March 1967	Superseded
Field edit applied Compilation complete	February 1968	
<i>Final Review</i>	<i>Nor. 1969</i>	



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. Mi.
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-12389

Shoreline survey T-12389 is one of seven 1:10,000 scale surveys in job PH-6603. The job is comprised of seven 1:10,000 scale and five 1:20,000 scale surveys located on the north shore of Long Island extending from Eatons Neck to Mattituck Inlet. See page 5 for the area of the survey.

Field work preceding compilation consisted of identification of horizontal control, shoreline and field inspection, location of fixed aids to navigation, and geographic names investigation.

Compilation was at 1:10,000 scale by B-8 Plotter and graphic methods using the photography of October 1965. A copy of the manuscript (~~classified~~ incomplete) along with specially prepared photographs was subsequently provided for transfer of the shoreline to the boat sheet, location of photo-hydro signals and for field edit use.

The manuscript was a vinylite sheet 3 minutes 45 seconds in latitude by 3 minutes 45 seconds in longitude. Field edit was accomplished in October 1967. After application of field edit the manuscript was scribed, stuck-up and reproduced on cronaflex. Final review was made in the Atlantic Marine Center during November 1969. One cronaflex positive and a negative of the final manuscript are forwarded for record and registry.

FIELD INSPECTION REPORT
Project PH-6603
Maps T-12389 thru T-12395

This report is submitted for seven maps since there is no great differences in terrain, natural or cultured features which would require special treatment.

2. AREAL FIELD INSPECTION

This area lies along the north shore of Long Island between Lloyd Neck and Old Field Point.

Field Inspection was completed on all seven maps generally to the limits of photography, during May and June 1966.

One area at the east end of Asharoken Beach is under construction by Long Island Light Company and will be changed considerably.

The terrain along this area covered by these maps consists of sand beaches, bluffs and wooded hills with very little marsh and no swamps. Most of the shoreline is accessible by truck.

Photographs of this area is of average quality being taken in October 1965.

Photographs used for field inspection are listed below by maps:

<u>T-12389</u>	<u>T-12391</u>	<u>T-12392</u>	<u>T-12393</u>	<u>T-12394</u>
65-L-6567	65-L-6573	65-L-6574	65-L-6564	65-L-6543
6568		6575	6577	6544
6571				
6572				
	<u>T-12395</u>	<u>T-12390</u>		
	65-L-6545	65-L-6550		
	6546	6551		
	6554	6552		
	6559	65-L-6589 Color		

3. HORIZONTAL CONTROL

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

No new control was established.

Horizontal control stations reported "lost", "destroyed" or "not recovered" are listed below by maps:

<u>T-12393</u>	<u>T-12392</u>
Long Island State Park	Asharoken Beach, Wooden Water Tand, 1939
Commission SM-95, 1939	Chesebro's S W Chimney, 1916
VIEW, 1939	Chesebro's Boat House, 1916

4. VERTICAL CONTROL

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

The bench marks were identified on the photograph in accordance with the topographic manual.

5. CONTOURS AND DRAINAGE

Contours are inapplicable.

Drainage is composed mostly of a few tidal streams and normal drainage is by direct run-off into these streams and low lands.

6. WOODLAND COVER

Woodland cover was classified in accordance with the topographic manual.

7. SHORELINE AND ALONG SHORE FEATURES

The high-water line has been indicated on the photographs by symbol in accordance with instructions. No attempt was made to delineate the low-water line.

The field inspection of the high-water line was accomplished by several methods, measurements from photo points and by visual inspection by truck and by walking the shoreline.

In a few areas the high-water line adjacent to inlets is subject to change due to storms.

Special attention is invited to grass in water just below the high water line. A large percentage of this grass is a narrow strip or small patches and has the appearance of mud on the photograph.

Inspection of bluffs were made and their location indicated on the photographs.

All other shoreline features are covered by field inspection notes on the photographs.

There has been no great changes in this area.

8. OFFSHORE FEATURES

Offshore features were checked by boat.

Rock areas were inspected at low water and a few of the outer rocks were located by sextant fixes or noted on the photographs.

The general area of these rocks was outlined to aid compilation of rocks on color photography to be taken at low water in the fall of 1966.

All areas of wrecks were inspected at low water and appropriate notes made on the photographs.

A wreck on the west side of Huntington Bay was located by photo points. This wreck is marked by a lighted bouy which is about 300 feet to the east.

One wreck in Northport Harbor (Chart 224) was verified at high water. There is no photography covering this area.

9. LANDMARKS AND AIDS

Nonfloating aids to navigation were verified as to existance and number. They were located by direct photo identification or other field methods.

Landmarks for charts were identified, classified and heights obtained.

Form 567 has been submitted for both features.

The nautical landmarks north and east of Huntington were verified and are shown on a letter-size chart. This area has no photo coverage.

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 will be submitted to Rockville at a latter date.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Horizontal Control Indentification Data to Rockville, Transmittal letter dated 5/12/66, reference #33.

Nonfloating Aids or Landmarks for Charts, Transmittal letter dated 6/23/66, reference #41.

Field Inspection Data, Transmittal letter dated 6/23/66, reference #40.

Approved and forwarded:

Joseph K. Wilson
Joseph K. Wilson
Chief, Photo Party 759

Submitted:

June 27, 1966

Ernest W. Hartford
Ernest W. Hartford
Surveying Technician

10

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 stereoplanigraph 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
by PPH

Paul Hawkins

Approved by:

John D. Perrow, Jr.

John D. Perrow, Jr.

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12389 PROJECT NO. Ph-6603 SCALE OF MAP 1:10,000 SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (<i>1 ft.</i> = 3048006 meter) <div style="display: flex; justify-content: space-between;"><div>FORWARD</div><div>(BACK)</div></div>	
EATON, 1834	G.P. 79	N.A. 1927	40° 56' 20.905" 73° 23' 33.389"	644.9 781.1	(1206.0) (622.5)
EATON 2, 1883	G.P. 79	N.A. 1927	40° 56' 20.977" 73° 23' 33.454"	647.1 782.6	(1203.8) (621.0)
EATONS NECK LIGHTHOUSE, 1833	G.P. 45	N.A. 1927	40° 57' 13.994" 73° 23' 45.366"	431.7 1061.0	(1419.2) (342.2)
EATONS NECK POINT, COAST			40° 57' 15.904"	490.6	(1360.3)
GUARD LOOKOUT TOWER, 1939	G.P. 112	N.A. 1927	73° 23' 53.930"	1261.3	(141.9)
COMPUTED BY A. C. Rauck, Jr.	DATE September 29, 1966	CHECKED BY L. O. Neterer, Jr.	DATE October 6, 1966		

COMPILATION REPORT
T-12389

31. DELINEATION:

The B-8 Plotter was used. Field inspection was adequate, photography satisfactory.

32. CONTROL:

See PHOTOGRAMMETRIC PLOT REPORT.

33. SUPPLEMENTAL DATA:

None

34. CONTOURS AND DRAINAGE:

Contours - inapplicable

Drainage - no statement

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline inspection was adequate. Low water lines were delineated from office interpretation of the photographs.

36. OFFSHORE DETAILS:

None

37. LANDMARKS AND AIDS:

Appropriate copies of Form 567 for aids to navigation and landmarks were forwarded to the Washington Office under date June 1967.

38. CONTROL FOR FUTURE SURVEYS:

None

39. JUNCTIONS

Junction has been made to the south with T-12391.

2 There is no contemporary survey to the west, north and east.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS quadrangle LLOYD HARBOR, N. Y. - CONN., scale 1:24,000 dated 1954.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with Chart 224, scale 1:20,000, 6th edition, dated January 17, 1966.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted:

B. Wilson

B. Wilson
Cartographic Technician

Approved and forwarded:

Allen L. Powell

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

August 27, 1969

GEOGRAPHIC NAMES

FINAL NAME SHEET

(Long Island, N. Y.)

PH-6602

PH-6603

T-12389

Asharoken

Asharoken Beach

Asharoken Road

Duck Island Harbor

Eatons Neck

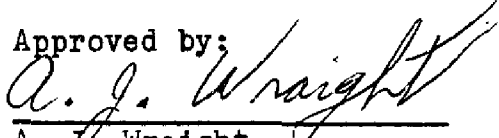
Eatons Neck Basin

Eatons Neck Point

Locust Lane

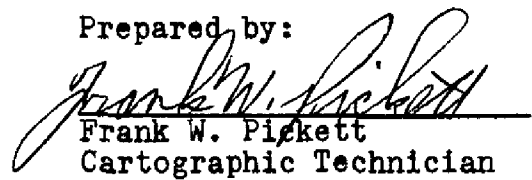
Long Island Sound

Approved by:



A. J. Wraight
Chief Geographer

Prepared by:



Frank W. Pickett
Cartographic Technician

T-12389

49. NOTES FOR THE HYDROGRAPHER:

None other than on the Field Edit Ozalid.

PHOTOGRAMMETRIC OFFICE REVIEW

T-12389

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) X		7. PHOTO HYDRO STATIONS X
8. BENCH MARKS CHB	9. PLOTTING OF SEXTANT FIXES X	10. PHOTOGRAMMETRIC PLOT REPORT Bridge - W.O.	11. DETAIL POINTS X
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE CHB	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES X
16. AIDS TO NAVIGATION CHB	17. LANDMARKS CHB	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS X
23. STEREOSCOPIC INSTRUMENT CONTOURS X	24. CONTOURS IN GENERAL X	25. SPOT ELEVATIONS X	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS X	30. OTHER CULTURAL FEATURES CHB
BOUNDARIES			
31. BOUNDARY LINES X		32. PUBLIC LAND LINES X	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY X	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS CHB	39. FORMS CHB
40. REVIEWER Charles H. Bishop C. H. Bishop		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr. A. C. Rauck, Jr.	
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 F. P. Margiotta F. P. Margiotta		SUPERVISOR Albert C. Rauck, Jr. A. C. Rauck, Jr.	
43. REMARKS Field edit applied from field edit ozalid, from Doav sheet reg. No. H-8919. and Field photo No 65-L-6592			

FIELD EDIT REPORT

PROJECT PH 6603

LONG ISLAND, NEW YORK

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

PROJECT OPR 474

LONG ISLAND SOUND

PHOTO-HYDRO SUPPORT TO USC&GS SHIP WHITING

REPORT OF

PHOTOGRAMMETRIC SUB UNIT PARTY 62

A. PURPOSE AND SCOPE OF SUPPORT:

Photogrammetric support for Hydrography operations by the SHIP WHITING was performed by a sub-unit of Photogrammetric party 62 under instruction for Project OPR 474 dated 18 May 1967. The ship was supplied with all necessary Control, Signal building, and Field edit.

B. CONTROL

Hydrographic control consisted of triangulation, and photo-hydro stations. The photo-hydro station were located in accordance with Photo gammetry Instructions No. 45. Natural objects were utilized as hydro signals whenever possible. This saved a great deal of time, as it eliminated the trouble and time spent obtaining premission to erect a banner or tripod type signal on private property.

C. PHOTOGRAPHY

The photographs for the project consisted of 1965 L 1:10,000 scale ratio photographs for the area between Eatons Neck and Old Field Point. The area to the East of Old Field Point is covered by 1966 1:20,000 ratio photographs. These photographs were of good quality and only usual amount of difficulty was encountered in idintifying signal sites.

D. DISPOSITION OF DATA:

Cronaflex copy of sheets T 12389 through 12396 were turned over to the Commanding Officer of the Ship Whiting. All photographs and unused Cronaflex copies of manuscripts and Field Edit Data were returned to the Atlantic Marine Center.

E. SPECIAL REPORT:

A field Edit report will be submitted for the entire project at a later date.

Respectfully submitted:

Robert S. Tibbetts
Robert S. Tibbetts

RST/ckj

Approved and Forwarded:

Wayne L. Miller

for Sidney C. Miller, LCDR, USESSA
Commanding USC&GS Ship WHITING

REVIEW REPORT T-12389
SHORELINE
NOVEMBER 18, 1969

61. GENERAL STATEMENT

See Summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Comparison was made with Registered Survey No. 4611, 1:5,000 scale dated July 14-16, 1931. The difference in the shoreline of the two surveys has been indicated on the comparison print in blue.

Only one rock appears on Survey No. 4611 within the area of T-12389. This is located near latitude $40^{\circ} 56' 36''$, longitude $73^{\circ} 24' 15''$ and is not visible on the photographs.

Survey T-12389 superseded Registered survey No. 4611 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with USGS LLOYD HARBOR, N.Y. - CONN. 7 1/2 minute quadrangle, 1:24,000 scale, edition of 1954. The two surveys are in good general agreement with the following exceptions: There have been changes in the sand spit on the west side of Eatons Neck Basin. There is no evidence on the photographs of the rock ledges shown along the northeast shore of Eatons Neck.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with boat sheet WH-10-1-67 (H-8949). The shoreline of the two surveys are in agreement, the shoreline of the boat sheet was partially obtained from T-12389.

The westerly limits of WH-10-1-67 is longitude $73^{\circ} 24' 00''$. There was no contemporary hydrographic survey available for comparison purposes to the west of this longitude.

Rocks that were located by the hydrographer have been indicated on the comparison print in purple. There are some rocks on the boat sheet in pencil. These consist of rocks not found by the hydrographer and those whose positions were not verified by the hydrographer. These have been indicated on the comparison print in pencil.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with chart 224, 8th edition, December 2, 1968. The difference in the shoreline of the two surveys as well as the difference in the alignment of the roads of the surveys has been indicated on the comparison print in red.

All rocks shown on the chart were searched for on the photographs. Those not visible on the photographs 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:



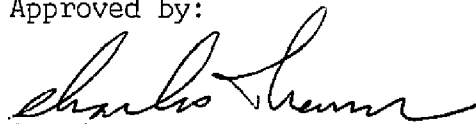
Leo F. Beugnet

Approved by:



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

Approved by:



Chief, Photogrammetric Branch *ALS*



Chief, Photogrammetry Division

40° 57' 30"

Shoreline in red from Chart 224

Rocks shown in red are from Chart 224 none of which are visible on photos

NOT visible on photos

Shoreline in blue from Registered survey 4611

40° 56' 15"

MEASURED COURSE 606.3 FT
358° 30' TRUE

Eatons Neck Point

EATONS NECK POINT COAST GUARD

LOOKOUT TOWER 1939 ht=58 (68)

Grains

Bluff

TBM 3

Ramp between piers

EATONS NECK LIGHTHOUSE

Eatons Neck Basin

Shoreline subject to frequent change

shallow

Jetty ruins

Grain

Grs and Rks

Grains (4)

Bulkhead

(3)

Marine Rd

Grain

NAUTICAL MILE NORTH MARKER, FRONT 1966

NAUTICAL MILE NORTH MARKER, REAR 1966

Grains

Grains

Bluff

E A T O N

65-L-6573

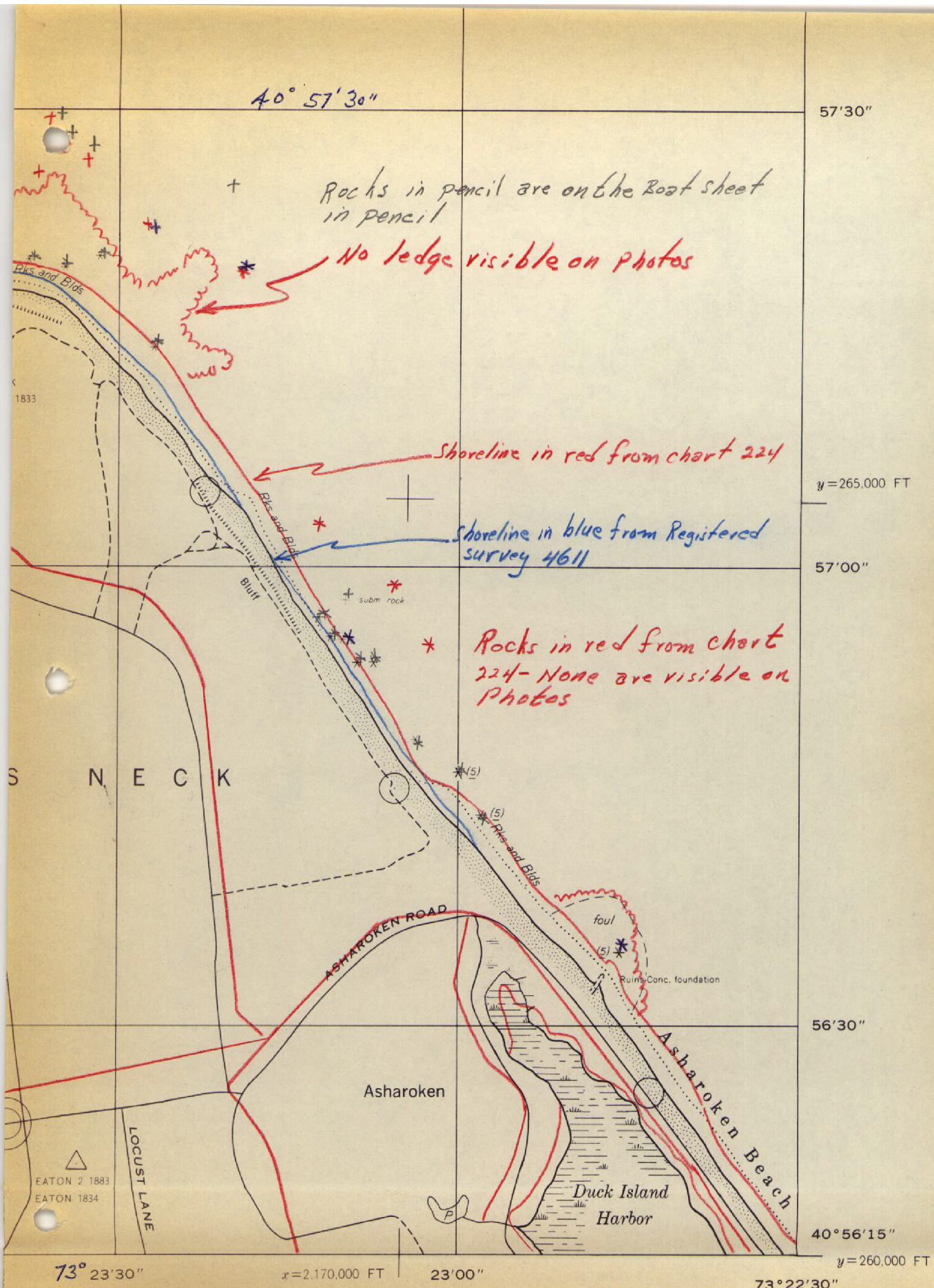
FT 25'00"

73° 24' 30"

x=2,165,000 FT

73° 24' 00"

T-12389



T-12389

TO BE CHARTERED
TO BE EXAMINED
TO BE EXAMINED

STRIKE OUT TWO

NONFLOATING AIDS UNDERMARKS FOR CHARTS

Atlantic Marine Center

March 29, 1967

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

The positions given have been checked after listing by

B. Wilson

B. Wilson

J. Bull, RADN, USESSA, Director
AMC Chief of Party

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 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

T-12389

NOTIFYING CHARTS OF LANDMARKS FOR CHARTS

TO BE CHARTED
AT 1575 E 36TH ST
STOCK 036189X

STRIKE OUT TWO

Atlantic Marine Center March 29, 1967.

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

The positions given have been checked after listing by B. Wilson

J. Bull, RADN, USESSA,
Director, AMC.

Director, AMC.

[illegible]

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 *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.

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.

USCOMM-DC 8555-P03