

TP-06182

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

MAP NOT INSPECTED IN QUALITY CONTROL PRIOR  
TO REGISTRATION

Two items (only) were investigated (refer to page 21)  
at the request of the hydro survey reviewer. Refer  
to page 21 SB.

## DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

SURVEY TP- 00182

 ORIGINAL

MAP EDITION NO. (1)

 RESURVEY

MAP CLASS FIELD EDITED

 REVISED

JOB PH- 6603 (PART III)

## PHOTOGRAMMETRIC OFFICE

NOS Atlantic Marine Center

## OFFICER-IN-CHARGE

Alfred C. Holmes, Director, AMC

## LAST PRECEDING MAP EDITION

TYPE OF SURVEY

JOB PH-

 ORIGINAL

MAP CLASS

 RESURVEY

SURVEY DATES:

 REVISED

19 TO 19

## I. INSTRUCTIONS DATED

## 1. OFFICE

Supplement I, April 1, 1971

## 2. FIELD

## II. DATUMS

## 1. HORIZONTAL:

 1927 NORTH AMERICAN

OTHER (Specify)

## 2. VERTICAL:

 MEAN HIGH-WATER MEAN LOW-WATER MEAN LOWER LOW-WATER MEAN SEA LEVEL

OTHER (Specify)

## 3. MAP PROJECTION

Polyconic

## 4. GRID(S)

STATE New York

ZONE Long Island

## 5. SCALE

1:5,000

STATE

ZONE

## III. HISTORY OF OFFICE OPERATIONS

## OPERATIONS

## NAME

## DATE

1. AEROTRIANGULATION  
METHOD: Stereoplanigraph

John D. Perrow, Jr.

?

LANDMARKS AND AIDS BY

2. CONTROL AND BRIDGE POINTS  
METHOD: Coradomat

D. Phillips

April 1971

PLOTTED BY

"

CHECKED BY

"

3. STEREOSCOPIC INSTRUMENT  
COMPILATION

L.O. Neterer, Jr.

Nov. 1971

INSTRUMENT: Wild B-8

A.L. Shands

Nov. 1971

SCALE: 1:7,500

N.A.

4. MANUSCRIPT DELINEATION

C. Blood

Nov. 1971

METHOD: B-8 Plotter

C. Bishop

Nov. 1972

SCALE: 1:5,000

HYDRO SUPPORT DATA BY

N.A.

CHECKED BY

N.A.

5. OFFICE INSPECTION PRIOR TO FIELD EDIT

C.H. Bishop

Dec. 1971

6. APPLICATION OF FIELD EDIT DATA

C.E. Blood

June 1972

CHECKED BY

B. Wilson

June 1972

7. COMPILATION SECTION REVIEW

C. Bishop

Dec. 1971

8. FINAL REVIEW

B. Kurs, AMC

Aug. 1973

9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH

R. CATOR

MAR 1976

10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH

11. MAP REGISTERED - COASTAL SURVEY SECTION





4  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILED STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete Pending Field Edit of MHWI Prior Field Edit ADP1 led to T-12396 (1:20,000 scale).	Nov. 23/71	Superseded		
Field Edit Applied	June 22/72	Superseded		
Final Review	July 1973			

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2.  REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3.  REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

- BRIDGING PHOTOGRAPHS;  DUPLICATE BRIDGING REPORT;  COMPUTER READOUTS.
- CONTROL STATION IDENTIFICATION CARDS;  FORM NOS 567 SUBMITTED BY FIELD PARTIES.
- SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.

1 COUNT FOR EXCEPTIONS

Photogrammetric Plot Report  
Job PH-6603  
Port Jefferson, New York

21. Area Covered This project covers an area of Long Island, New York, from Crane Neck Point to Sound Beach. Included in this area are shoreline surveys TP-00181 through TP-00184.

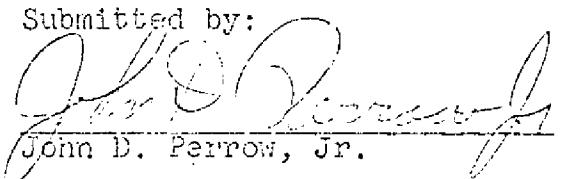
22. Method Two bridges were run on the C-8 Stereoplani-graph to provide control for the compilation of the area. The bridges were adjusted to the Lambert projection in the Long Island zone. All pass points and control were plotted on the Coradimat. Strip #1 was adjusted on five horizontal control points with two additional control points and three tie points as checks. Strip #2 was adjusted on three horizontal control points with four additional control points and three tie points as checks.

23. Adequacy of Control The horizontal control, which was provided, complied with project instructions and was adequate for bridging. All control held within National Map Accuracy Standards.

24. Supplemental Data Local USGS quads were used to provide rough vertical control for bridging purposes.

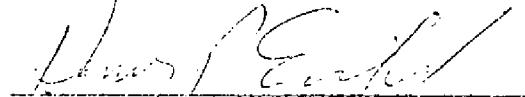
25. Photography All photography was adequate as to coverage, overlap and definition.

Submitted by:

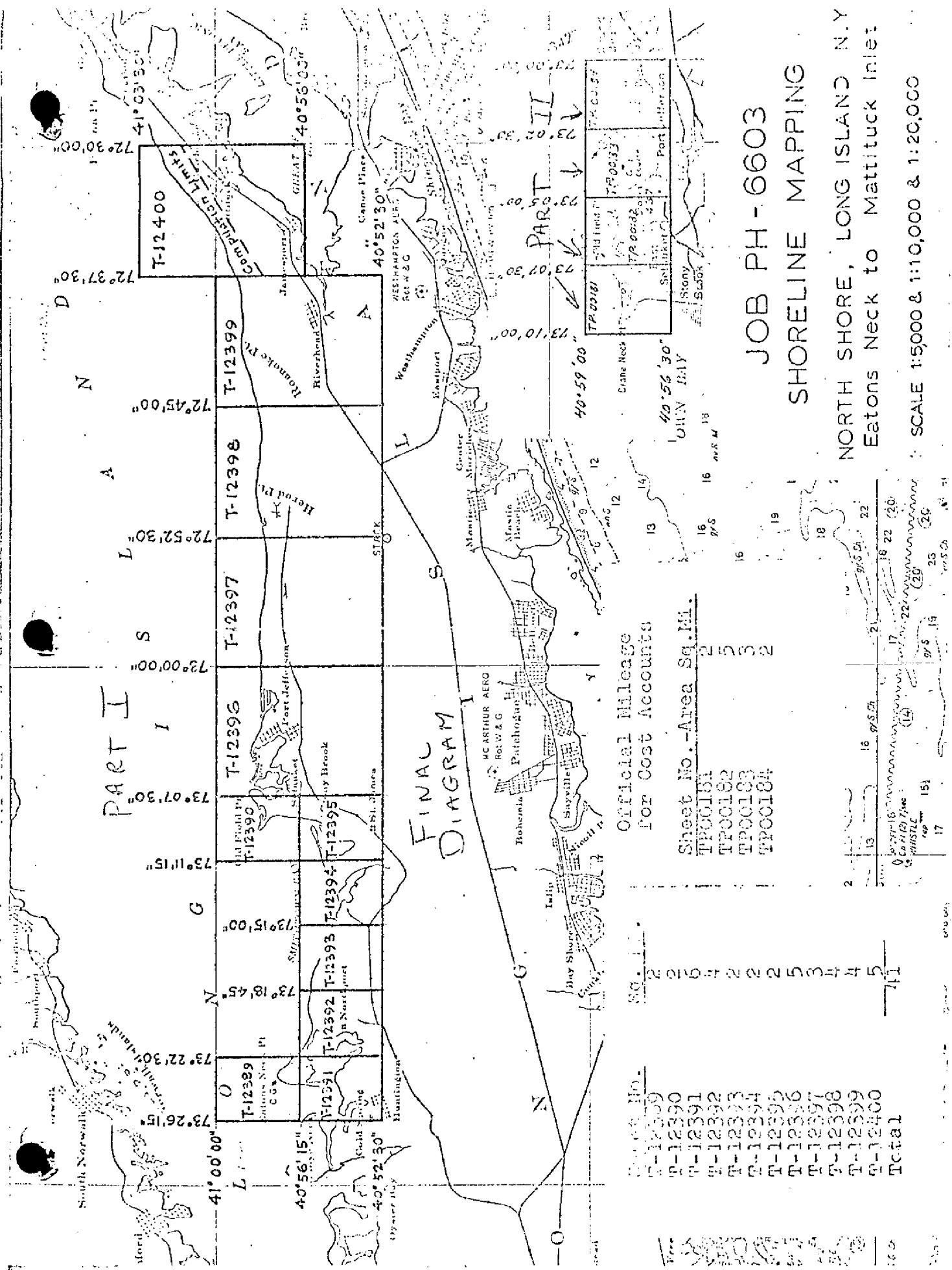


John D. Perrow, Jr.

Approved by:



Henry P. Eichert  
Chief, Aerotriangulation Section



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SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT TP-00182

Shoreline survey TP-00182 is one of four 1:5,000 scale manuscripts added to Project PH-6603. These four sheets cover Port Jefferson and Mt. Sinai Harbor. This sheet covers from Old Field Point to the entrance of Port Jefferson and includes the western part of Port Jefferson Harbor.

This area was field inspected in June 1966 for survey T-12396 (Registered) at 1:20,000 scale. The field inspection consisted of the identification of horizontal control, shoreline, interior inspection, location of fixed aids to navigation and a Geographic Names Investigation. X

Compilation was at 1:5,000 scale by B-8 plotter using September, 1970 photography. Hydrography was completed prior to compilation therefore no specially prepared photos were ordered or made. See Instructions - Office - PH-6603 Supplement I 5.02 dated April 1, 1971. These were interpreted by the compiler, to mean no photo-centers were required. A field edit ozalid and two clean ozalids plus a set of matte ratio prints were sent for the use of the field editor.

After the application of field edit the manuscript was scribed, stuck-up and reproduced on cronaflex. Final review was accomplished, without the benefit of photo-centers, at AMC during August, 1973. One cronaflex copy and a negative of the final reviewed manuscript are forwarded for record and registry.

X Part I of PH-6603

FIELD INSPECTION

TP-00182

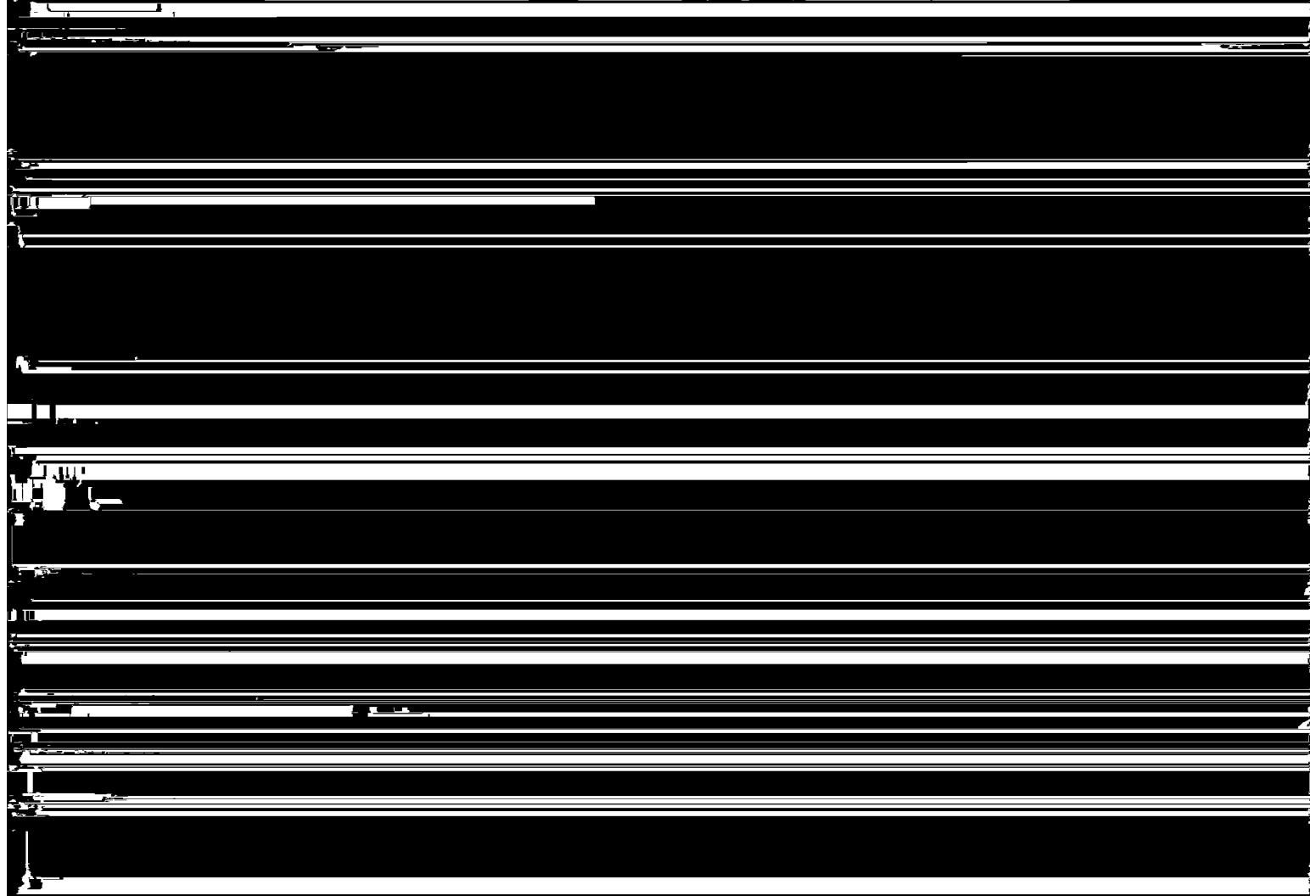
Area was field inspected under T-12396.

Photogrammetric Plot Report  
Job PH-6603  
Port Jefferson, New York

21. Area Covered This project covers an area of Long Island, New York, from Crane Neck Point to Sound Beach. Included in this area are shoreline surveys TP-00181 through TP-00184.

22. Method Two bridges were run on the C-8 Stereoplani-graph to provide control for the compilation of the area. The bridges were adjusted to the Lambert projection in the Long Island zone. All pass points and control were plotted on the Coradimat. Strip #1 was adjusted on five horizontal control points with two additional control points and three tie points as checks. Strip #2 was adjusted on three horizontal control points with four additional control points and three tie points as checks.

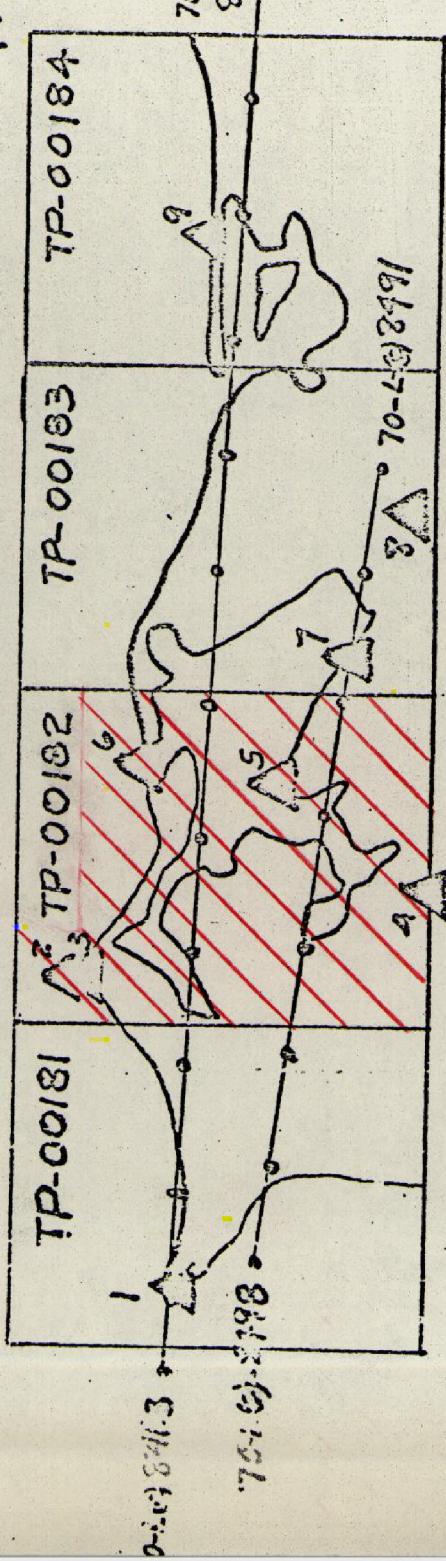
23. Adequacy of Control The horizontal control, which



JOB PH-6603  
 MARCH, 1971  
 PORT JEFFERSON  
 N.Y.

(PART JT)

00,000 EL  
 00,010 EL



- #1 CRANE NECK, 1834
- #2 OLD FIELD PT. L.H., 1862
- #3 WEST RANGE 2, 1969
- #4 SETAUKET METH. CH. SPIRE, 1931
- #5 TANK RH #1, 1831
- #6 TETTY (PORT JEFFERSON EAST BREAKWATER LT.) 1931
- #7 PORT JEFFERSON, LONG ISLAND LIGHTING CO. CENTER STACK, 1962
- #8 PORT JEFFERSON, ST. CHARLES HOSP. CROSS, 1967

Page 89

DESCRIPTIVE REPORT: CONTROL RECORD



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COMPIILATION REPORT

TP-00182

31. DELINEATION

The Wild B-8 was used.

32. CONTROL

See Photogrammetric Plot Report, Port Jefferson, New York.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours are not applicable.

Drainage was compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS

The mean high water line was delineated from office interpretation of the photographs. There were no low water photographs available at the time of compilation, therefore no low water line was mapped.

36. OFFSHORE DETAILS

Rocks and wrecks detached from the foreshore area were compiled from office interpretation of the photographs.

37. LANDMARKS AND AIDS

38. CONTROL FOR FUTURE SURVEYS

None.

1964  
were <sup>1</sup> field inspection  
and or field edit  
data used for  
item 35 or 36. If  
not why?

39. JUNCTIONS

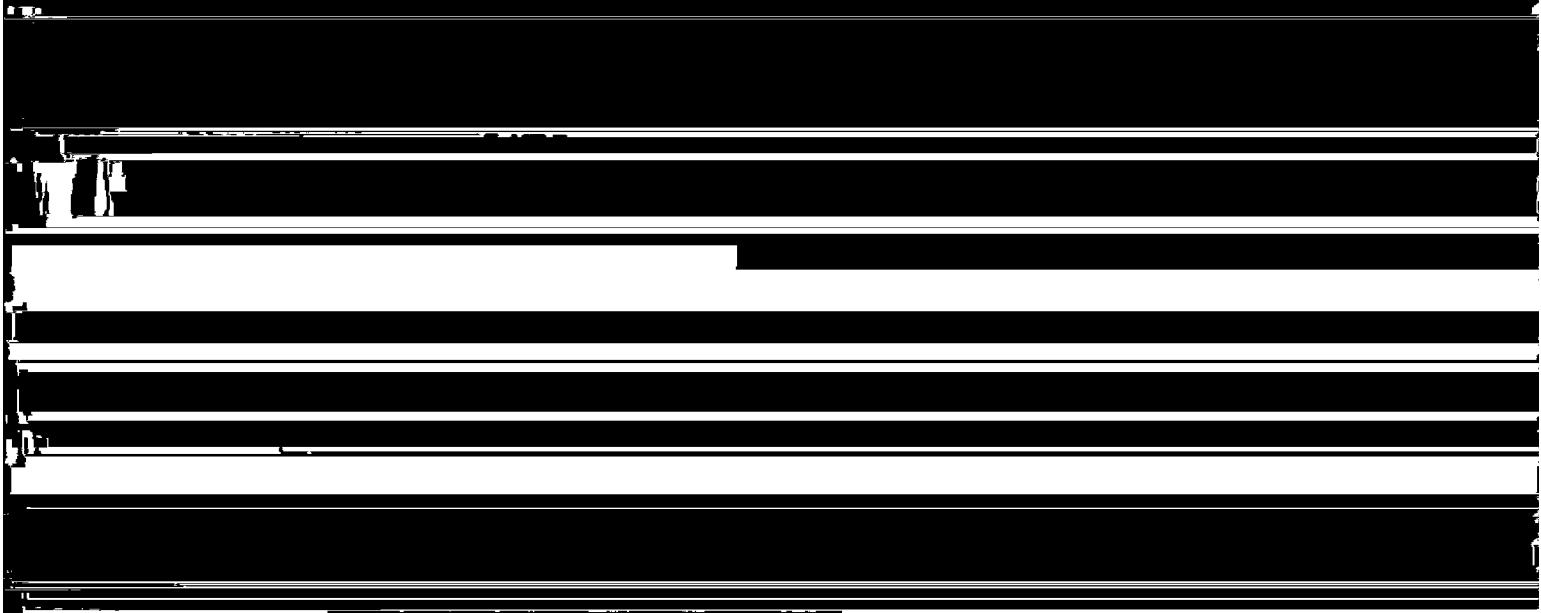
A satisfactory junction has been made with TP-00183 to the east and TP-00181 to the west. There is no contemporary survey to the north or the south. All sheets mentioned are 1:5,000 scale.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison with U.S.C. & G.S. Quadrangle Port Jefferson, NY. 1:24,000 scale. dated 1967.



A comparison with U.S.C. & G.S. chart #117-SC scale 1:10,000 10th Ed. Sept. 1970 and chart 361 scale 1:10,000 11th Ed. April 14th 1969 has been made.

ITEMS TO BE CARRIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted:

*Charles E. Blood*  
Charles E. Blood  
Cartographic Technician  
Dec. 6, 1971

Approved for Forwarding:

*W. D. M. - 1*

July 27, 1973

GEOGRAPHIC NAMES

FINAL NAME SHEETS

Ph-6603 (New York)

TP-00182

Conscience Bay

East Setauket

Little Bay

Long Island Sound

Old Field

Old Field Beach

Old Field Point

Poquott

Port Jefferson Harbor

Setauket

Setauket Harbor

Strong's Neck

The Narrows

Approved:

F. F. Ceely, Jr.

F. F. Ceely, Jr.  
Chief, Scientific Services Division

Prepared by:

C. E. Harrington

C. E. Harrington  
Geographic Names

TP-00182

Job Ph-6603 Port Jefferson

## NOTES FOR THE FIELD EDITOR

These four 1:5,000 scale sheets were previously mapped as T-12390 at 1:10,000 scale and T-12396 at 1:20,000 scale. They have been finally reviewed. Field edit of the shoreline and interior details for these two sheets was done during 1967 and 1968 and was applied prior to final review.

Additional field edit of the mean high water line for these four sheets will be required. The Sept. 1970 photos indicate several berm lines on the beaches and other apparent shoreline changes, making an accurate delineation of the mean high water line difficult. An interior field edit is not required.

The mean high water line may be edited by measurements to the line from *at the areas designated by A and other areas, as may be required,* photo points <sup>A</sup> or by delineating it on the matte ratios furnished.

PHOTOGRAMMETRIC OFFICE REVIEW  
T. P-00182

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE
<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 None	None
8. BENCH MARKS None	9. PLOTTING OF SEXTANT FIXES None	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE CHB	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES None
16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES CHB	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES	21. NATURAL GROUND COVER N.A.	22. PLANETABLE CONTOURS	
23. STEREOGRAPHIC INSTRUMENT CONTOURS N.A.	24. CONTOURS IN GENERAL N.A.	25. SPOT ELEVATIONS N.A.	26. OTHER PHYSICAL FEATURES
<b>CULTURAL FEATURES</b>			
27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
<b>BOUNDARIES</b>			
31. BOUNDARY LINES N.A.	32. PUBLIC LAND LINES N.A.		
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB	35. LEGIBILITY OF THE MANUSCRIPT CHB	
36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
40. REVIEWER Charles H. Bishop 12/2/71 (Before Field Edit)	SUPERVISOR, REVIEW SECTION OR UNIT A.C. Rauck, Jr. <i>Albert C. Rauck, Jr.</i>		
41. REMARKS (See attached sheet)			
<b>FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT</b>			
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 Charles E. Blood June 22/1972 Reviewer: B. Wilson June 26/1972	SUPERVISOR A.C. Rauck, Jr. <i>Albert C. Rauck, Jr.</i>		
43. REMARKS Field Edit Applied From: Matte Photos 70-L-(c)-8494, 8495, 8467, 8468, 8469, Field Edit Ozalid Forms 76-40.			

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FIELD EDIT REPORT  
Job PH-6603  
PORT JEFFERSON AND MT. SINAI  
HARBOR, LONG ISLAND, NEW YORK

This report is submitted for Manuscript No. TP 00182.  
The field edit for this sheet was completed April, 1972.

52. ADEQUACY OF COMPILATION

The compilation was generally good and after application of field edit corrections, additions, and deletions compilation will be adequate.

54. RECOMMENDATIONS

None.

56. SHORELINE AND ALONGSHORE FEATURES

Distances were measured to the mean high water line from photo points pricked on photos 70L 8467, 8469, and 8471. Two Bluffs that were not shown on the ozalid are delineated on photo 70L 8467, and are cross referenced from the ozalid. Other changes are noted on the ozalid and/or photos and are cross referenced.

58. LANDMARKS AND AIDS

Form 76-40 is submitted for all fixed aids to Navigation. No form was submitted for Landmarks as no changes were noted. OLD FIELD POINT LIGHT is not shown on ozalid. This aid should be shown as indicated on sheet TP-12396 and Photo 70L8466. PORT JEFFERSON EAST BREAKWATER LIGHT has been torn down and a new light erected on the same concrete base, but with a different position. A sextant fix was taken and a sketch made for help in locating the new position.

Three sextant fixes were taken on the PORT JEFFERSON HARBOR RANGE and are plotted on this sheet.

59. GENERAL STATEMENT

All field edit notes have been made in violet ink on the field edit sheet and ratio photographs.

12 May 1972  
Submitted by:

*Arthur R. Bricknell*  
ARTHUR R. BRICKNELL  
Surveying Technician



TYPE OF ACTION	RESPONSIBLE PERSONNEL	
	NAME	TITLE
1. Objects inspected from seaward		<input type="checkbox"/> FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
3. Forms originated by Quality Control and Review Group and final review activities	C. E. Blood	COMPILER  <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.

'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE

COMPILED BY \_\_\_\_\_ Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

FIELD INSPECTION

1. New Position Determined—Enter the applicable data by symbols as indicated below:

FIELD EDIT

AND

FIELD EDIT

P — Photogrammetric

EXAMPLES:

F — Field

1. Triangulation
2. Traverse
3. Intersection
4. Resection

P, 2

1. Field identified

2. Theodolite

3. Planetable

4. Sextant

- a. Theodolite
- b. Planetable
- c. Sextant

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric' Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'



RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward		<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified		<input type="checkbox"/> FIELD INSPECTOR 
3. Forms originated by Quality Control and Review Group and final review activities	F. Mariatta	<input type="checkbox"/> FIELD EDITOR  <input type="checkbox"/> COMPILER  <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW <input type="checkbox"/> GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods.

'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE

COMPILED

FIELD INSPECTION

AND

FIELD EDIT

F - Field	P - Photogrammetric	EXAMPLES:
1. Triangulation	1. Field identified	
2. Traverse	2. Theodolite	F. 3.c
3. Intersection	3. Planetable	
4. Resection	4. Sextant	P.2
a. Theodolite		
b. Planetable		
c. Sextant		

Immediately beneath the data described above, enter the following:

- a. For 'Field Positions' enter the date of location.
- b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered - Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified - Enter 'Verif. mo/day/yr.'

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REVIEW REPORT TP-00182

SHORELINE

August, 1973

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

There are numerous charted rocks, both sunken and awash, in the vicinity of Old Field Point. Neither of the field inspections of 1967 or 1972 gave much data pertaining to these. Wave action on the 1970 photography, which was taken at between five and six feet (predicted) above MLW made positive identification of most of these rocks impossible. Some rocks were visible and shown on the manuscript with no height.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A visual comparison was made with Registered Survey T-12396 at 1:20,000 scale dated 1969. There is very good agreement.

Comparison was also made with Reg. Survey T-9844, 1:5,000 scale field inspected and compiled in 1951. No ~~discrepancy prints~~ were made because the changes that have occurred are either natural or man-made. In shoreline areas of this nature changes will occur with each storm. TP-00182 supersedes all previous registered surveys and should be used for nautical chart construction purposes.

*Cartographic Comparison Prints*

63. COMPARISON WITH CHARTS OF OTHER AGENCIES

A visual comparison was made with U.S.G.S. Quadrangle Port Jefferson, NY dated 1967 at 1:24,000 scale. There is good general agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydro-survey available in this office. *\* See note page 21*

65. COMPARISON WITH NAUTICAL CHARTS

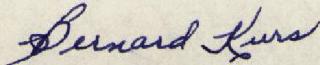
A visual comparison was made with Chart 117-SC, 12th edition, dated November, 1972 at 1:40,000 scale. There is good general agreement except for wreck off the east end of old Field Beach, which is not visible on the photographs. Comparison was also made with Chart 361, 1:10,000 scale dated May 13, 1972. See differences noted in red on ~~discrepancy print~~. *↑*

*Cartographic Comparison print.*

## 66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

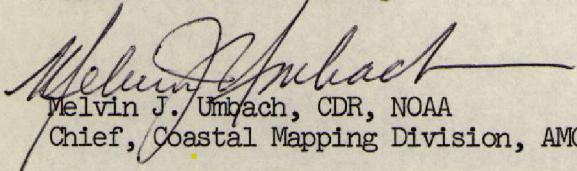
This survey complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by:



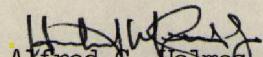
Bernard Kurs  
Cartographer

Approved for forwarding:



Melvin J. Umbach, CDR, NOAA  
Chief, Coastal Mapping Division, AMC

Approved:



Alfred C. Holmes, RADM, NOAA  
Director, Atlantic Marine Center

Approved:

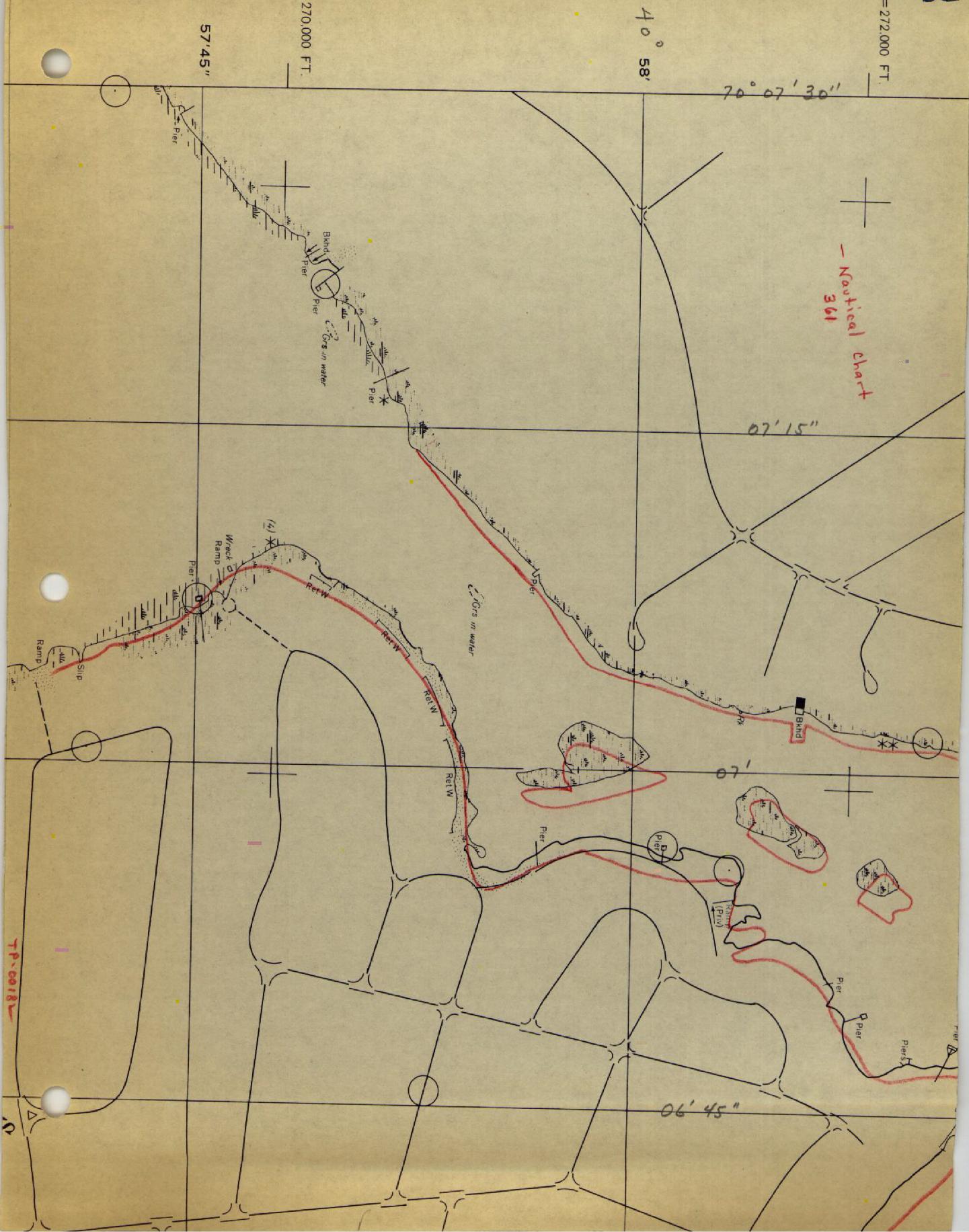
Chief, Photogrammetric Branch      Chief, Coastal Mapping Division

\* Two obstructions (pipes or piles) shown on published chart are not shown on this map. No comment by the editor or reviewer (photo). They are not visible on the photography.  
One of the charted obstructions is shown on Job map T-12396, scale 1:20,000 (compiled as a part of Job PH-6603, Part I.)  
Objects charted inside entrance to Port Jefferson Harbor

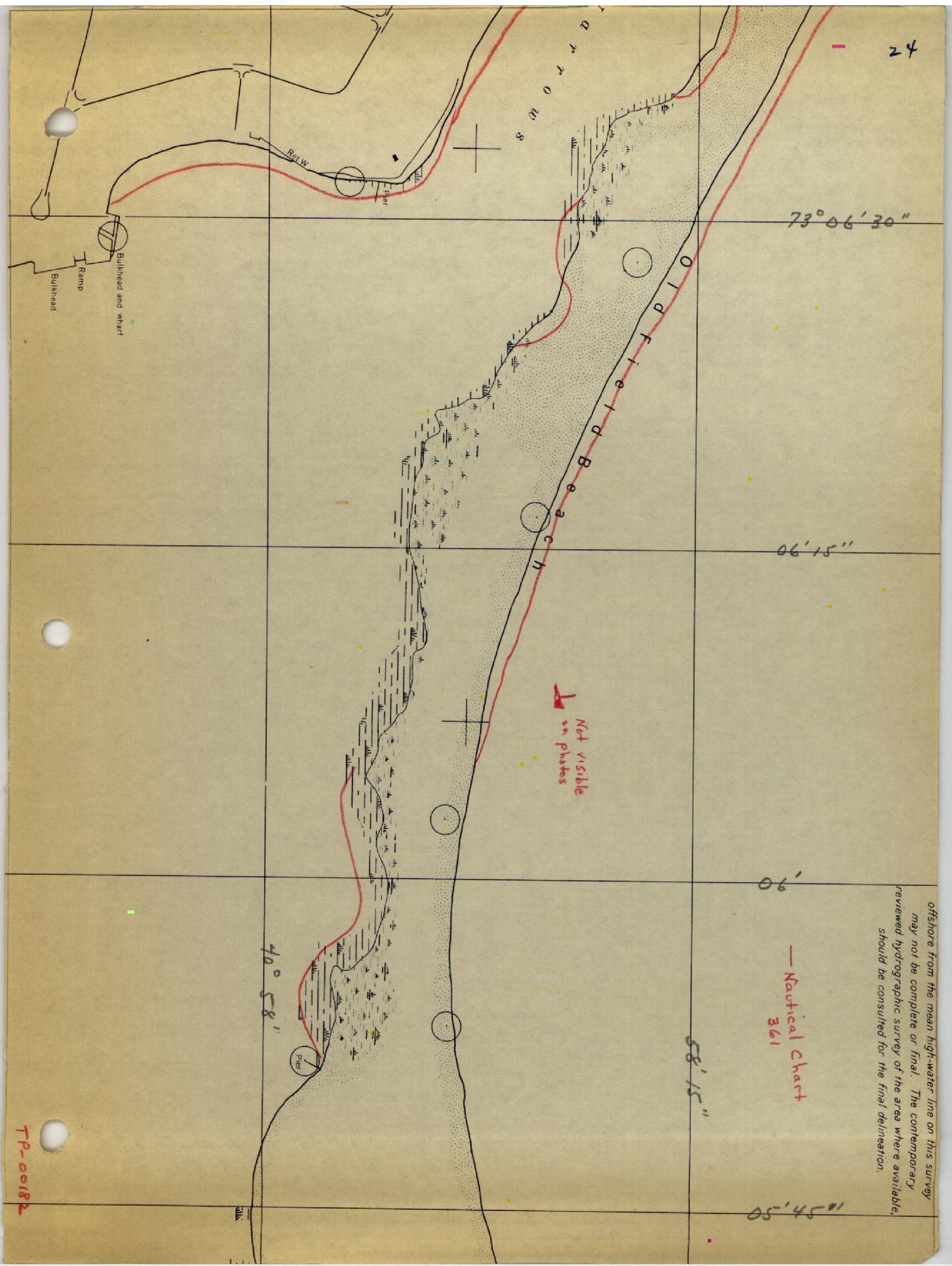
SB  
Feb. 24, 1974

$y = 272,000$  FT.

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offshore from the mean high-water line on this survey  
may not be complete or final. The contemporary  
reviewed hydrographic survey of the area where available,  
should be consulted for the final delineation.

**RECORD OF APPLICATION TO CHARTS**

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-00182

## INSTRUCTIONS

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.