

12400

12400

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey	SHORELINE
Field No.	Office No. T-12400
LOCALITY	
State	NEW YORK
General locality	LONG ISLAND SOUND
Locality	MATTITUCK INLET
1966-1970	
CHIEF OF PARTY	
Allen L. Powell, Director, AMC	
LIBRARY & ARCHIVES	
DATE	

DESCRIPTIVE REPORT - DATA RECORD

T - 12400

PROJECT NO. (II): Job PH-6603		
FIELD OFFICE (III): Riverhead (L.I.), N.Y.		CHIEF OF PARTY Joseph K. Wilson
PHOTOGRAMMETRIC OFFICE (III): Photogrammetric Branch Atlantic Marine Center		OFFICER-IN-CHARGE Allen L. Powell, Director, AMC
INSTRUCTIONS DATED (II) (III): January 24, 1966 - FIELD - SUPPLEMENT I May 27, 1966 - AEROTRIANGULATION September 15, 1966 - OFFICE - Compilation April 25, 1967 - OFFICE - Amendment I		
METHOD OF COMPILATION (III): Kelsh Plotter		
MANUSCRIPT SCALE (III): 1:20,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:8,000 pantographed to 1:20,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III): NA 1927		VERTICAL DATUM (III): HIGH WATER 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 XXXXXX
REFERENCE STATION (III): BISH 1965		
LAT.: 40°59'16.527" (509.8m)	LONG.: 72°33'12.446" (290.9m)	☒ ADJUSTED ☐ UNADJUSTED
PLANE COORDINATES (IV): Y = X =		STATE New York ZONE Long Island
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.		

DESCRIPTIVE REPORT - DATA RECORD

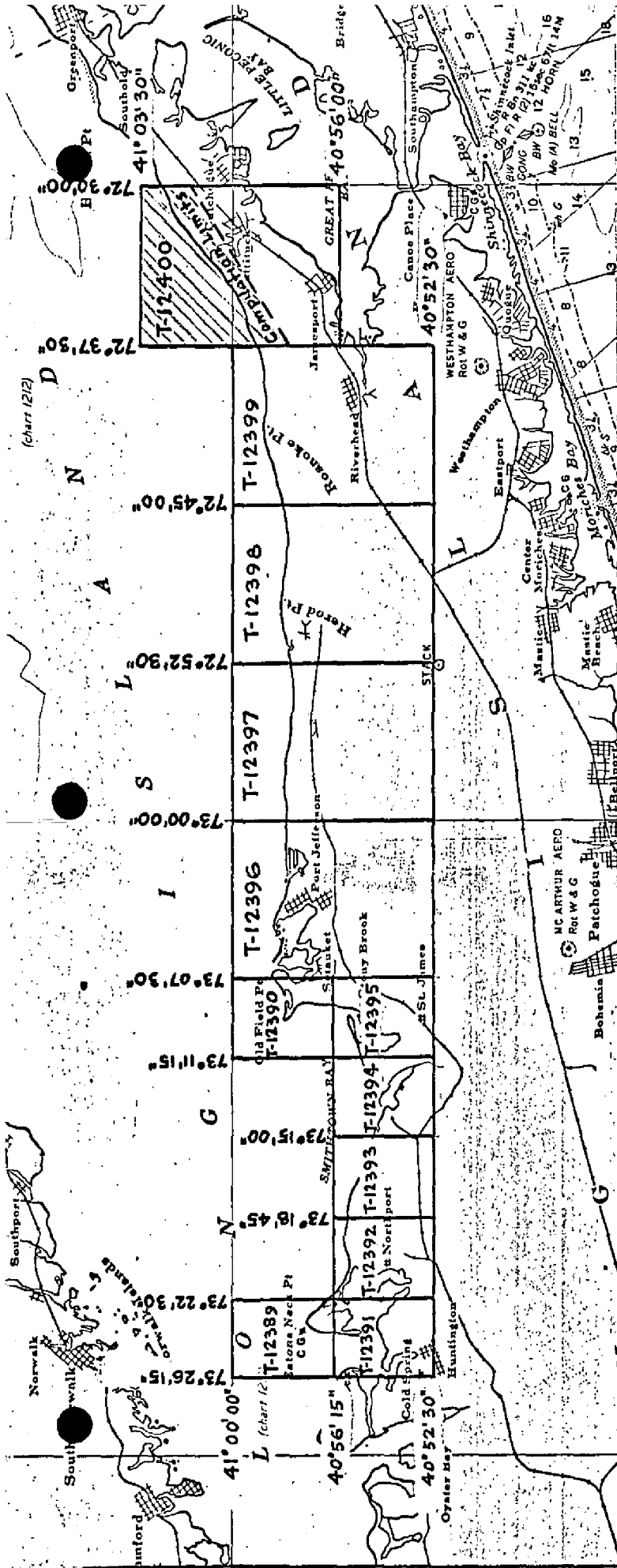
T-12400

FIELD INSPECTION BY (II): Matthew A. Stewart Erwest W. Hartford		DATE: June-July 1966
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): April 26, 1966 Kelsh Plotter		
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree		DATE Oct. 25, 1966
PROJECTION AND GRIDS CHECKED BY (IV): Not Known		DATE
CONTROL PLOTTED BY (III): L. L. Graves		DATE Nov. 3, 1966
CONTROL CHECKED BY (III): A. Shands		DATE Nov. 3, 1966
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): P. Hawkins (W. O.)		DATE Aug. 30, 1966
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY A. C. Rauck	DATE March 15, 1967
	CONTOURS Inapplicable	DATE
MANUSCRIPT DELINEATED BY (III): R. J. Pate		DATE March 21, 1967
SCRIBING BY (III): R. E. Smith		DATE Oct. 26, 1970
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): COMPILED BY C. H. Bishop FIELD EDIT APPLICATION R. J. Pate STICKUP L. F. Beugnet		DATE April 13, 1970 Oct. 16, 1970 Nov. 3, 1970
REMARKS: FIELD EDIT BY R. S. Tibbetts		June 18, 1970

FORM C&GS-181c (3-66)		U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODETIC SURVEY		
DESCRIPTIVE REPORT - DATA RECORD T-12400				
CAMERA (KIND OR SOURCE) (III): RC-8 "L" Camera				
PHOTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
66L 2851 thru 2855	April 26, 1966	08:21	1:40,000	0.9 ft above MLW
66L 2887 thru 2890	April 26, 1966	09:08	1:40,000	0.4 ft above MLW
TIDE (III)				
			RATIO OF RANGES	MEAN RANGE
REFERENCE STATION: BRIDGEPORT (Predicted)			6.8	8.0
SUBORDINATE STATION: Mattituck Inlet (Predicted)			4.5	5.3
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 (II): 11		RECOVERED: 11	IDENTIFIED: 3	
NUMBER OF BM(S) SEARCHED FOR (II): 4		RECOVERED: 4	IDENTIFIED: 1	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):				
REMARKS:				

T-12400

COMPILATION RECORD	COMPLETION DATE	REMARKS
Compilation complete pending field edit		
Compilation complete pending Field Edit	March 1967	Superseded
Field Edit applied; Compilation complete	Oct. 1970	



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	2
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-12400

Shoreline survey T-12400 is one of twelve similar surveys in project PH-6603. These surveys cover that part of the north shore of Long Island extending from Eatons Neck to the vicinity of Mattituck Inlet. This survey covers that part from Luce Landing to Goldsmith Inlet. See page 5 of the Descriptive Report for the area of this survey within the project.

Field work preceding compilation consisted of identification of horizontal control, shoreline and interior field inspection, location of fixed aids to navigation and selection of landmarks for charts.

Compilation was at 1:20,000 scale by Kelsh Instrument methods using the photography of April 2, 1965 and April 26, 1966 supplemented by color photography also obtained on April 26, 1966 and April 25, 1969. Cronaflex copies of the compilation manuscript along with specially prepared photographs and ozalids were furnished for transfer of the shoreline to the boat sheets, photo-hydro support and field edit use.

The manuscript was a vinylite sheet 7 1/2 minutes in latitude by 9 1/2 minutes in longitude. After application of field edit data it was scribed and reproduced on cronaflex. Final review was in the Atlantic Marine Center in February 1971. A 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 ~~shore~~, 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

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
Paul Hawkins *by JHP*

Approved by:

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 12400	PROJECT NO. PH-6603	SCALE OF MAP 1:20,000	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 (1 Ft. = 3048006 meter) FORWARD (BACK)
MATTITUCK HIGH SCHOOL, CUPOLA, 1939	G. P. 130	N. A. 1927	40°59'43.034"	1327.5 (523.4)
MATTITUCK PRESBYTERIAN CHURCH, SPIRE, 1883	" 129	"	72°31'40.862"	955.1 (447.3)
AQUEBOQUE, CONGREGATIONAL CHURCH, SPIRE, 1883	" 128	"	40°59'26.775"	826.0 (1024.9)
			72°32'05.957"	139.2 (1263.3)
			40°56'47.366"	1461.1 (389.8)
			72°37'19.028"	445.1 (958.3)
NORTHVILLE, SOUTH AVENUE CONGREGATIONAL CHURCH, LARGER SPIRE, 1939	" 128	"	40°58' 10.228"	317.4 (1533.5)
			72°37'09.874"	230.9 (1172.0)
INDIANA, 1933	" 143	"	40°55'37.265"	1149.5 (701.3)
	FIELD UNADJ. 8	"	72°36'55.312"	1294.1 (109.8)
ELIJAH, 1965		"	41°00'33.417"	1030.8 (820.1)
			72°31'16.570"	387.2 (1014.9)
BISH, 1965	" 8	"	40°59' 16.527"	509.8 (1341.1)
			72°33'12.446"	290.9 (1111.6)
CAREY, 1965	" 8	"	40°58'46.461"	1433.2 (417.7)
			72°36'04.397"	102.8 (1299.8)
FELIX, 1965	" 8	"	41°02'07.238"	223.3 (1627.5)
			72°29'10.365"	242.1 (1159.4)
COMPUTED BY A. C. RAUCK, JR.	DATE OCT. 3, 1966	CHECKED BY A. SHANDS	DATE OCT. 3, 1966	

144

COMPILATION REPORT

T-12400

31. DELINEATION:

Delineation was accomplished by use of the Kelsh Plotter.

In addition to these "rocks awash" dropped by the Kelsh, others were located graphically.

Photographs, 66-L-2851, 66-L-2852, 66-L-2854, and 66-L-2855 were used.

Dolphins, rocks and foul areas were also indicated by the field party on color transparencies Nos. 66-L-2874 through 2890.

These were transferred to the sheet by means of the projector.

Field inspection on matte prints, Nos. 66-L-2852, 66-L-2853, and 66-L-2854 was very satisfactory.

The shoreline of Little Peconic Bay was not to be compiled at this time.

32. CONTROL:

See photogrammetric plot control.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS & DRAINAGE:

Inapplicable.

35. SHORELINE & ALONGSHORE DETAILS:

The shoreline was delineated from office interpretation of the photographs.

Refer to item 7 of the Field Inspection Report.

The low water line was not shown.

36. OFFSHORE DETAILS:

Refer to item 8 of the Field Inspection Report.

37. LANDMARKS & AIDS:

No new landmarks were established.

38. CONTROL FOR FUTURE SURVEYS:

None established.

39. JUNCTIONS:

The only junction is with T-12399 to the west.

There is no contemporary survey to the North, East, and South.

40. HORIZONTAL & VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison was made with U.S.G.S. Quadrangles MATTITUCK N.Y., and MATTITUCK HILLS, N.Y., scales 1:24,000, dated 1956. The comparison is good with the exception that a pier and eight jetties now appear near latitude $40^{\circ}57'30''$ and between longitude $72^{\circ}35'30''$ to $72^{\circ}37'15''$, also additional rocks awash and one that bares 3' are shown in this general area.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with U.S.C.&G.S. Nautical Chart No. 363 Shelter Island Sound and Peconic Bays, Edited Feb. 13, 1967, scale 1:40,000. The only differences noted are the same as mentioned under item 46.

Items to be Applied to Nautical Charts Immediately:

None.

Items to be Carried Forward:

None.

Approved:

Submitted:

Allen L. Powell

Allen L. Powell
Director, Atlantic Marine Center

R. J. Pate

R. J. Pate
Cartographic Technician
October 16, 1970

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6603 (New York)

T-12400

~~Borrow Pit~~

Camp Carey

Duck Pond Point

Hallocks Pond

Long Creek.

~~Long Island~~

Long Island Sound

Luce Landing

Mattituck Creek

Mattituck Inlet

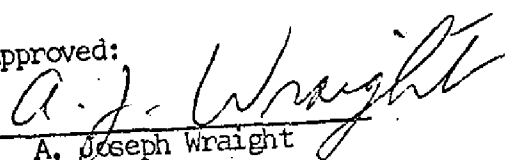
Naugles

New York

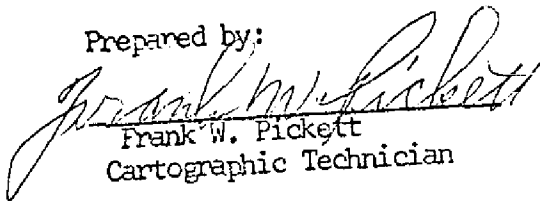
Shore Acres

Wolf Pit Lake

Approved:


A. Joseph Wraight
Chief Geographer

Prepared by:


Frank W. Pickett
Cartographic Technician

T- 12400

49- NOTES FOR THE HYDROGRAPHER.

Refer t o those notes found on the Field Edit Ozalid.

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T. 12400

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
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 CHB	10. PHOTOGRAMMETRIC PLOT REPORT Bridge - W. O.	11. DETAIL POINTS X
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES CHB
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 X		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 CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION PHOTOGRAPHS CHB	39. FORMS CHB
40. REVIEWER C. H. Bishop 4-13-70		SUPERVISOR, REVIEW SECTION OR UNIT 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 R. E. Smith 10-14-70 Rev. By: R. J. Pate 10-16-70		SUPERVISOR Albert C. Rauck, Jr.	
43. REMARKS Field edit applied from: Field edit ozalid Field edit cronaflex, 1969 Traverse (with measurements to MHWL) 1969 color photography.			

FIELD EDIT REPORT
JOB PH-6603
NORTH SHORE LONG ISLAND
NEW YORK
MAP T-12400

This map was field-edited during October and November 1969

52. ADEQUACY OF COMPILATION

See Field Edit Report T-12399

54. RECOMMENDATIONS

None.

55. GEOGRAPHIC NAMES

A complete geographic names investigation was made in 1966. No discrepancies were noted.

56. SHORELINE AND ALONGSHORE FEATURES

Distances were measured to the mean high-water line from each traverse point(calibration signal) established during the 1969 season. Abstract of shoreline reference measurements is included with field edit data T-12399.

Two rock jettys were located by plane table. These jettys are used to make a harbor for the loading of sand and gravel barges at a new borrow pit. The borrow pit is located at approximate longitude 72-35.3; see cronaflex and photo 69-S-8264.

Two steel barges broke loose from their moorings during a storm in October 1969, went aground, and filled with water. A spokesman for the sand and gravel company stated that they would be pumped out and floated. However, in November the barges remained aground and were still filled with water. Both have been located by plane table on the cronaflex.

57. ROCKS

See Field Edit Report T-12399.

58. LANDMARKS AND AIDS

Form 567 was submitted for all nautical landmarks and fixed aids to navigation. No discrepancies were noted.

June 18, 1970
Submitted by:

Robert S. Tibbetts
Robert S. Tibbetts
Surveying Technician

REVIEW REPORT T-12400

SHORELINE

FEBRUARY 25, 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 1729 and 1730, each 1:10,000 scale surveys made in 1885. The difference in the shoreline of these surveys and T-12400 has been indicated on the comparison print in blue.

The passage of time has made these two registered surveys obsolete. They are superseded by T-12400 for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. MATTITUCK, N.Y. and MATTITUCK HILLS, N.Y. 7 1/2 minute quadrangles. These are 1:24,000 scale surveys editions of 1956.

With the exception of new jetties and some dredging in the vicinity of latitude 40°59.7', longitude 72°35.8' the surveys are in good general agreement.

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 363, 8th edition, November 14, 1970. The difference in the shoreline and rocks of the two surveys has been indicated on the comparison print in red.

Attention is called to the two wrecks shown on T-12400 near latitude $40^{\circ}59.6'$, longitude $72^{\circ}36.0'$. These are two barges that were located by the field editor. They were still in position in November 1969.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Reviewed by:

Leo F. Beugnot
Leo F. Beugnot
Cartographer

Approved for forwarding:

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

Approved:

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

Approved:

Charles L. Turner *Jack E. Luth*
Chief, Photogrammetric Branch Chief, Photogrammetry Division

y=290,000 FT

66-L(C)-2887

41°00'

From Field edit

Borrow Pit

Hallocks Pond

y=280,000 FT

40° 59'

Luce Landing

Camp Carey

69 S(C) 8264

Shoreline in red from chart 363
Shoreline in blue from registered
Survey 1729

CAREY 1965

72° 37' 30"

66-L-2855R



NORTHVILLE SOUTH AVENUE
CONGREGATIONAL CHURCH
LARGER SPIRE 1939
ht=73(135)

T-12400

I
S
L
A
N
D

66-L(C)-2888

41° 00' 00"

Shoreline & rocks in red
from chart 363

Shoreline & rocks in blue
from registered survey
1730

Mattituck Inlet

awash M.H.W.

awash M.H.W.

TBM 3

Jetty

Pile Dock

Tanks

Bkhd

Boat ramp

Bkhd

Naugles

Shore Acres

Bkhd

Oiled

Bkhd

Mattituck Creek

Bkhd

41° 00' 00" 66-L-2853R

69S(C) 8265

Bluff

72° 35' 00"

66-L-2854R

BISH 1965

T-12400

U
N
D

41° 03' 00"

Duck Pond Point

66-L(C)-2890

69S(C)8269

66-L(C)-2889

69S(C)8268

66-L-2851R

Shoreline & rocks in red from chart 363
Shoreline & rocks in blue from registered
Survey 1730

Rocks

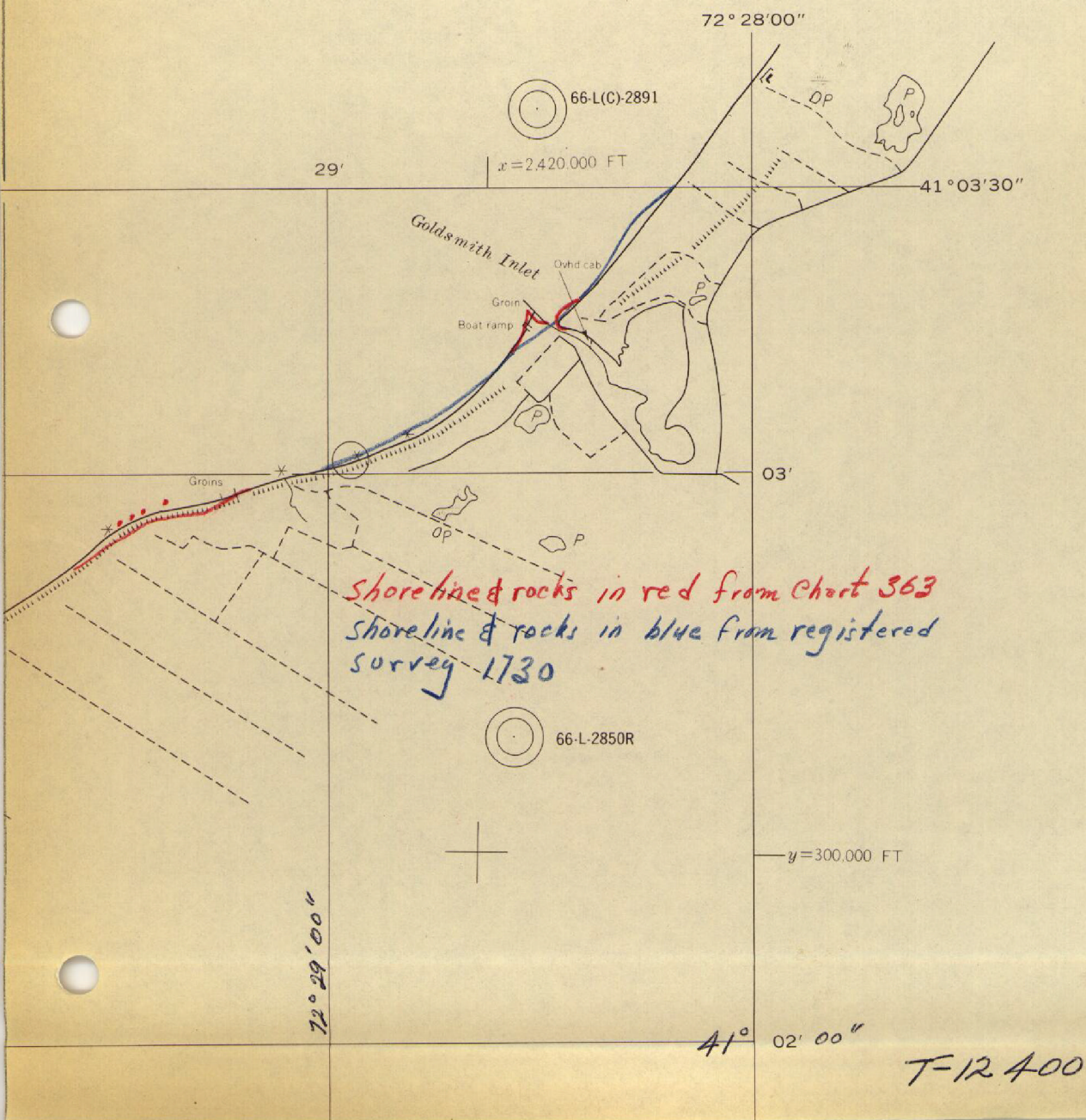
72° 32' 00"

72° 30' 00"

41° 00' 00"

66-L-2852R

T-12400



FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

T-12400

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.