

H11353

<p>NOAA FORM 76-35A</p> <p>U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY</p> <p>DESCRIPTIVE REPORT</p>	
<i>Type of Survey:</i>	Navigable Area
<i>Registry Number:</i>	H11353
<p>LOCALITY</p>	
<i>State:</i>	New York
<i>General Locality:</i>	New York Harbor
<i>Sub-locality:</i>	East River
<p>2004</p> <p>CHIEF OF PARTY</p> <p>CDR Emily B. Christman, NOAA</p>	
DATE	LIBRARY & ARCHIVES

NOAA FORM 77-28 (11-72)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	REGISTRY NUMBER: H11353
HYDROGRAPHIC TITLE SHEET		
INSTRUCTIONS: The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.		
State:	New York	
General Locality:	New York Harbor	
Sub-Locality:	East River	
Scale:	1:10,000	Date of Survey: 07/29/04 to 08/04/04
Instructions Dated:	03/22/04	Project Number: OPR-B410-TJ-04
Change No.1 Dated:	03/31/04	
Vessel:	NOAA Ship THOMAS JEFFERSON, S-222	
Chief of Party:	CDR Emily B. Christman , NOAA	
Surveyed by:	THOMAS JEFFERSON Personnel	
Soundings by:	Reson SeaBat 8101 multibeam sonar	
Graphic record checked by:	N/A	
Protracted by:	N/A	Automated Plot: N/A <i>Hewlett Packard Design Jet 2500 CP (office)</i>
Verification by:	Atlantic Hydrographic Branch Personnel	
Soundings in:	<i>Feet</i> -Meters at MLLW	
Remarks: <i>Red, bold, italic notes in descriptive report were made during office processing.</i>		
1) All Times are UTC. 2) This is a Special Navigable Area Hydrographic Survey. 3) Projection is UTM Zone 18.		

TABLE OF CONTENTS

A. AREA SURVEYED.....4

B. DATA ACQUISITION AND PROCESSING.....6

 EQUIPMENT.....6

 QUALITY CONTROL.....6

 CORRECTIONS TO ECHO SOUNDINGS.....7

C. VERTICAL AND HORIZONTAL CONTROL.....7

 VERTICAL CONTROL.....7

 HORIZONTAL CONTROL.....8

D. RESULTS AND RECOMMENDATIONS.....9

 CHART COMPARISON.....9

 ADDITIONAL RESULTS.....10

E. APPROVAL SHEET.....13

APPENDIX

DESCRIPTIVE REPORT

to accompany
HYDROGRAPHIC SURVEY H11353

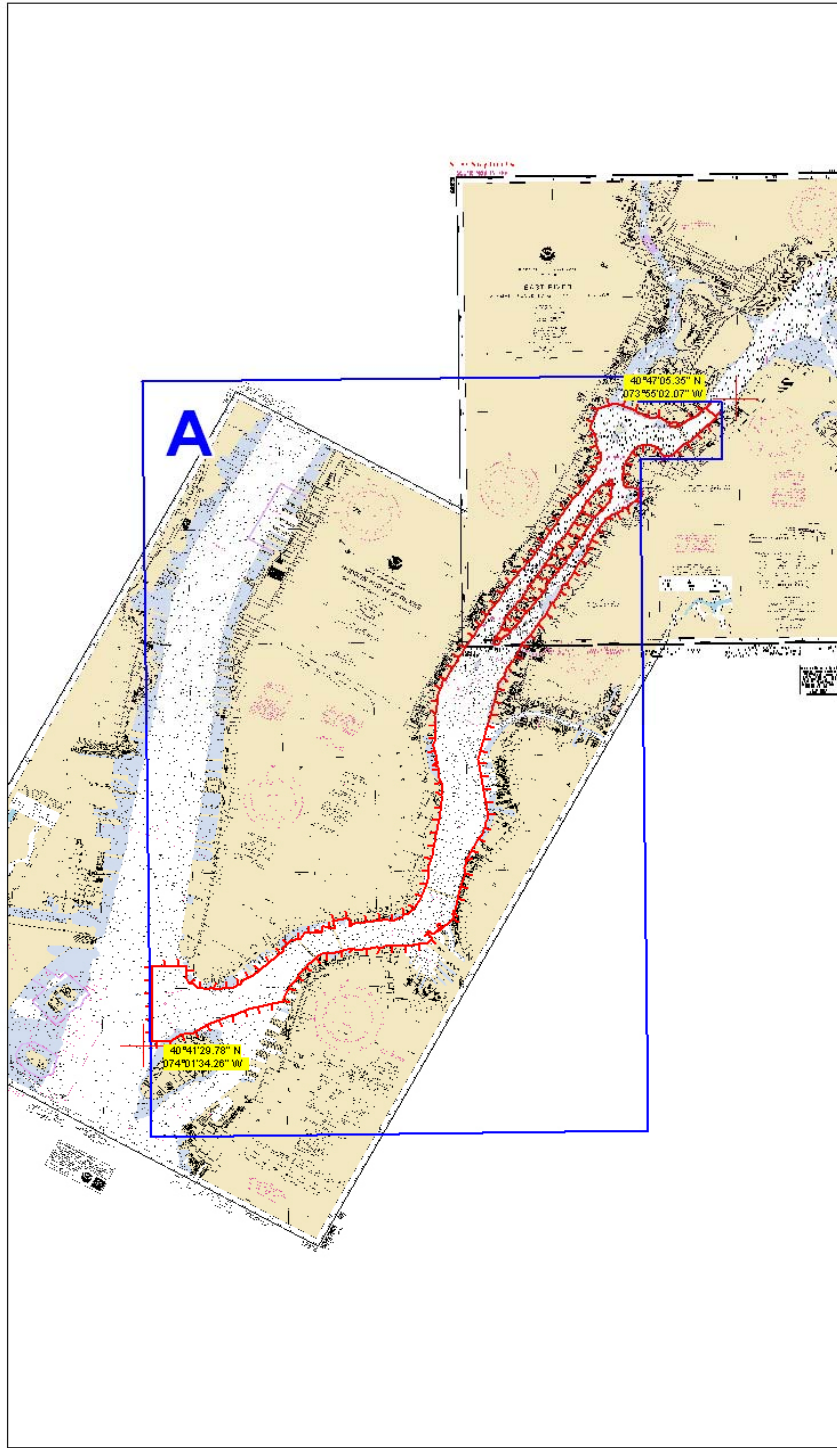
Scale of Survey: 1:10,000
Year of Survey: 2004
NOAA Ship Thomas Jefferson
CDR Emily B. Christman, Commanding

A. AREA SURVEYED

This hydrographic survey was conducted in accordance with Hydrographic Survey Letter Instructions for project OPR-B410-TJ-04, New York Harbor, East River, New York. The original instructions are dated July 7, 2004.

This Descriptive Report pertains to sheet "A" of project OPR-B410-TJ-04, which includes the East River. The assigned registry number for this sheet is H11353, as prescribed in the Letter Instruction.

This survey is in response to a request by the Office of Coast Survey for modern hydrography over areas surveyed in the late 19th century. For complete survey limits, see the chartlet on the following page.



Chartlet 1 of 1

This chartlet has been corrected through Notice to Mariners Aug 30/03 for 12335 and Oct. 4/03 for 12339 NOT FOR NAVIGATION.

 <p>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SERVICE</p>	<p>Project: OPR-B410-TJ-04 Survey: H11353 State: New York Locality: New York Harbor Sub-locality: East River Survey Scale: 1:70,000</p>	<p>Sounding Units: Feet Sounding Datum: MLLW Horizontal Datum: NAD 83 Projection: UTM 18 Central Meridian: 081° 00 00 Scale Factor: 0.9996</p>	<p>NOAA Ship Thomas Jefferson CDR Emily B. Christman Commanding July 29, to Aug 04, 2004</p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------

B. DATA ACQUISITION AND PROCESSING

EQUIPMENT *See also the Evaluation Report.*

Data were acquired by NOAA Launch 1005. The launch is NOAA's standard 8.5-meter aluminum Jensen vessel with a typical 0.5-meter transducer draft.

Launch 1005 acquired vertical beam echosounder (VBES)⁰¹ and shallow-water multibeam (SWMB) data. An Odom Echotrac DF3200 MK II echosounder was used for VBES hydrography, and a Reson SeaBat 8101 multibeam system was used for SWMB hydrography. All positioning and attitude were determined with a TSS POS/MV 320 (version 3) GPS-aided inertial navigation system.

Supporting SSS data was acquired by the NOAA Ship RUDE from Project OPR-B601-RU-03 and reviewed by NOAA Ship Thomas Jefferson personnel. Refer to the RUDE DAPR* for a detailed description.

No unusual vessel configurations or problems were encountered. Refer to Thomas Jefferson Data Acquisition and Processing Report (DAPR*) for detailed equipment and vessel configuration information.

** Filed at Atlantic Hydrographic Branch (AHB).*

QUALITY CONTROL *See also the Evaluation Report.*

Side Scan Sonar Quality Control

Refer to the RUDE DAPR for a detailed description.

Shallow Water Multibeam Quality Control

There were no faults with the SWMB system which affected data integrity. Refer to this project's DAPR for detailed discussion of SWMB system calibrations, data acquisition, and data processing.

Crosslines

A system of crosslines were acquired over the mainscheme lines. A total of 286.4 lnm of mainscheme multibeam and 12.7 lnm of crosslines were acquired. 22.7lnm were classed as other duplicate lines. The crosslines met Specification and Deliverables March of 2003 and were 5.3% of the regular mainscheme lines. An examination of crossline grids to mainscheme grids revealed

⁰¹ Launch 1005 VBES data were not processed when SWMB data were acquired.

excellent agreement with 95% of the crossline soundings falling within plus or minus 0.3 meter. There were no trends observed.

Junctions

No contemporary surveys were available for junction comparisons. The latest survey was from 1980 partial bottom coverage. All other areas were pre 1900 partial bottom coverage.

CORRECTIONS TO ECHO SOUNDING

All methods or instruments used were as described in the project DAPR. A table detailing all sound velocity casts is located in Separate III*.

Thomas Jefferson’s current specifications for grid submission have been suitable for bottom characteristics encountered during most surveys. The East River has numerous rocks and outcroppings whose height and width are within the one meter range and cover the majority of the survey area. The complexity of this survey required enhancing the grids to obtain a more realistic model of the bottom. The following procedures were adopted to enhance the grid. A time tag was entered into the “1005_mb.hvf”. TPE offset values were entered for the period encompassing this survey. This survey was finalized at a 0.4m grid for all depth ranges at Special Order. They were then combined at one meter resolution grids. The weighted grids “.hns” were inserted into pydro.

** Filed with original field records.*

C. VERTICAL AND HORIZONTAL CONTROL

VERTICAL CONTROL

The tidal datum for this project is Mean Lower Low Water (MLLW). The operating tide station at The Battery, NY (851-8750) and Kings Point, NY (851-6945) served as control for datum determination. A Tertiary gauge at Horns Hook, NY (851-8668) provided ancillary tide data.

Tidal zoning for this survey is consistent with the Letter Instructions. The zoning used for this survey is as follows:

STATION	CORRECTOR (min)	RATIO	REFERENCE
NY21	0	x1.00	851-8750
NY22	+12	x0.98	851-8750
NY23	+24	x0.96	851-8750
NY24	+42	x0.94	851-8750

NY25	+54	x0.94	851-8750
NY26	+66	x0.96	851-8750
NY27	+84	x0.99	851-8750
NY28	-6	x0.99	851-8668
NY28A	0	x1.00	851-8668
NY29	+12	x1.05	851-8668
NY30	+18	x1.09	851-8668
NY31	+30	x1.13	851-8668
NY32	+42	x1.18	851-8668
NY33	+54	x1.22	851-8668
NY34	-36	x0.82	851-6945
NY35	-24	x0.84	851-6945
NY36	-18	x0.86	851-6945
NY37	-6	x0.88	851-6945
NY38	-6	x0.91	851-6945
NY39	0	x0.93	851-6945
NY39A	+12	x0.94	851-6945
NY42	+12	x0.96	851-6945

A Request for Approved Tides letter was sent to N/OPS1 on September 16 2004 (Appendix IV*). Verified tides from the N/OPS1 CO-OPS website were downloaded on August 28, 2004, and applied to all sounding data. *Approved tides using final tide zoning were re-applied during office processing.*

** Filed with original field records.*

HORIZONTAL CONTROL

The horizontal datum used for this survey is the North American Datum of 1983 (NAD 83), projected using UTM zone 18. *Concur, see also the Evaluation Report.*

Sounding positional control was determined using the Global Positioning System (GPS) corrected by U.S. Coast Guard differential GPS (DGPS) beacon stations. The primary and only DGPS beacon used for this survey was Sandy Hook, New Jersey. No horizontal control stations were established for this survey.

Horizontal dilution of precision (HDOP) was monitored daily. That value did not exceed 2.5, and adequate satellite coverage was maintained throughout the survey period.

D. RESULTS AND RECOMMENDATIONS *See also the Evaluation Report.*

CHART COMPARISON *See also the Evaluation Report.*

There are two charts affected by this survey:

12335, 40th edition, September, 2003, scale 1:10,000

12339, 44th edition, October, 2003, scale 1:10,000

General Agreement with Charted soundings

All of the soundings in this survey are sufficient to supercede the chart. Soundings plus or minus six feet were used as a guide for items considered to be DTONs or specific charting recommendations. Discrete differences are addressed in the "AWOIS Item Investigations", "Dangers to Navigation", "Charted Features" and "Un-Charted Features" section of the feature report. *Concur.*

An observation was made while comparing soundings to the chart in Pydro. Charts that are skewed may shift causing a mismatch in sounding to chart. The use of a plot or mapinfo table may depict the soundings matched up to the chart more accurately.

AWOIS Items and Significant Contacts

Thomas Jefferson personnel selected 3444 significant side scan contacts from data acquired by NOAA Ship Rude. Most of these contacts fall within the multibeam echosounder data. The MBES data most often showed their insignificance. Any SSS contacts not completely covered by MBES were noted in a separate Pydro PSS as investigate and are unresolved. These can be found in Separates II*. Nine assigned AWOIS items fell within the survey limits and were resolved by this survey. These Awois Items and other discrete items are discussed in the feature reports in Appendix I. Awois 1674 lists two separate items. The current Pydro template does not allow for both. Feature report Item 17A in the H11353_Report template accounts for this extra item.

** Filed with original field records.*

Dangers to Navigation *See also the Evaluation Report.*

A total of ten Dangers to Navigation (Dton) were reported by the Hydrographer to N/CS26 (MCD). For the complete Dton report (sent Feb 9 2005), see Appendix I. *Appended to this report.*

Charted Features *See also the Evaluation Report.*

There are several wire drag items and wrecks that required investigation on this survey. All other point features are addressed in the Feature Report and Dangers to Navigation sections.

Charting Recommendations

There are many areas of submerged ruins that have exposed pilings not depicted on the chart. There is also a great deal of change in shoreline and pier faces due to growth or decay. Many of the security zones have near permanent barges or dracones extending into the river. The last aerial photography taken for this area was in 1995-1998. It is recommended that contemporary photogrammetry or remote sensing be performed on this survey to update the shoreline. **Concur.**

Add the additional bridge clearances to the chart as noted in Bridges and Overhead Cable section. Note changes in original bridge heights to current MHW as stated on chart and in Coast Pilot. **Concur. Defer to Marine Chart Division (MCD) for chart updates.**

ADDITIONAL RESULTS**Aids to Navigation and Other Detached Positions**

There are fourteen 14 aids to navigation that have discrepancies and are covered in the feature report. These should be forwarded to N/CS26 for resolution. **Concur. Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.**

Bridges and Overhead Cables

A comparison was made on the bridges and overhead cables and a few discrepancies were found. The following table lists the bridges by Name, type, agency of jurisdiction, and date of publication. A comparison follows with the published heights by agency, NOS heights (charted), Coast Pilot and the ENC (electronic chart). The First Coast Guard District Bridge Branch reports a 3 foot safety factor is used. The references were cross checked for content. The items in the ENC Meta data could be queried but are not in the digital chart display. A list of points of contact can be found in Appendix V.4* Correspondence. **Concur. Defer to MCD Update Services Branch for charting recommendations for chart updates.**

*** Filed with original field records.**

Comparison of Bridge Heights East River NY 2005

Bridge/ Agency Jurisdiction	Ht Published by Agency	Ht on Chart	Ht in Coast Pilot	Ht in ENC * In meta data not on chart display
Brooklyn Bridge, Fixed Bridge N.Y.D.O.T. April 28, 2003 *	133 ft. above MHW	Vert CL 127FT 110FT under moving platforms	Clearance 127 FT	* 126.9ft (38.7m) * 110 ft under moving platforms.
Manhattan Bridge, Fixed Bridge N.Y.D.O.T April 28, 2003 *	133 ft. above MHW	Vert CL 134FT	134 FT 115 ft on west channel edge, maintenance platform	* 133.8ft (40.8m)
Triborough Bridge, Fixed Bridge N.Y.M.T.A (Randall's Island to Queens)	143 FT above MHW	Vert CL 138 FT	Cl 138FT (135FT with scaffolding)	* 137.7ft (42m)
Williamsburg Bridge, Fixed Bridge, N.Y.D.O.T * April 28, 2003	135 ft above MHW	Vert CL 133 FT	Clearance of 133 FT	* 132.8ft (40.5m)
Queensboro Bridge Fixed Bridge N.Y.D.O.T April 28, 2003 *	135 ft. above MHW	Vert CL 131FT west span Vert CL 133FT east span	Clearance of 131 FT main channel and 133 FT east channel	* 130.9ft (39.9m) W 132.8ft (40.5m) E
Roosevelt Island Bridge Vertical Lift Bridge, R.I. Operating Corporation No date.	40 FT over MHW closed 100FT over MHW open	Vert CL 40 FT down Vert CL 99 FT up	40 feet down 99 feet up	* 39.6ft (12.1m) CL * 98.7ft (30.1m) OP
Hell Gate Railroad Bridge, Fixed Bridge AMTRAK, ** Data from 1910 at MHW	135 ft over MHW	Vert CL 134 FT	Clearance of 134 FT	* 133.8ft (40.8m)
Roosevelt Island, Overhead Cable Car, R.I. Operating Corp.	135 ft clearance 290 ft east of tower #3 (Roosevelt Island)	Authorized CL 135 FT	CL 135 FT	* 134 .8 ft (41.1m)

Ferry Routes

The East River is heavily trafficked by ferries and water taxis. The areas are described adequately on the chart. Details can be found in the Vessel Traffic Services manual and the U.S. Coast Pilot. *Defer to Marine Chart Division (MCD) Update Services Branch for charting recommendations for ferry routes.*

Submarine Cables and Pipelines

There is a cable area charted at 40° 42' 27.0" **N**, 073° 58' 50.0" **W**. Two submerged trenches appear to diverge from a point on the north side at 40° 42' 35.4" **N**, 073° 58' 49.3" **W** to a point at 40° 42' 20.9" **N**, 073° 58' 55.8" **W** and 40° 42' 21.0" **N**, 073° 58' 51.1" **W** falling outside the cable area designation. All other Cable and pipeline areas appear to be charted appropriately. *Concur.*

Tunnels

There are thirteen tunnels that run under the East river. The 63rd Street Tunnel is the only one charted. Among the other twelve tunnels that are not charted are the Brooklyn Battery tunnel and the Queens Mid-Town Tunnel. *Concur. Defer to MCD Update Services Branch and source information (New York Department of Transportation) for charting recommendations for tunnels.*

E. APPROVAL SHEET

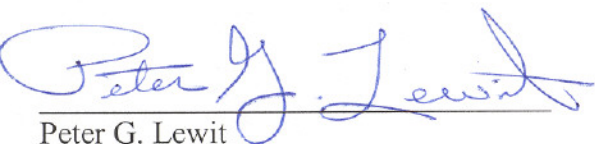
**OPR-B410-TJ-04
New York Harbor
New York**

**East River
Survey Registry No. H11353**

Field operations for this basic hydrographic survey were conducted under my daily supervision with frequent checks of progress and adequacy. All field sheets, this Descriptive Report, and all accompanying records and data are approved.

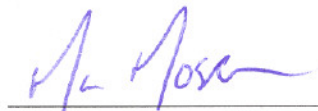
This survey is adequate to supersede all prior surveys in common areas, and for application to the relevant NOS nautical charts.

Respectfully Submitted:



Peter G. Lewit
Hydrographer

Approved and Forwarded:



LT Marc Moser, NOAA
Field Operations Officer



CDR Emily B. Christman, NOAA
Commanding Officer

APPENDIX I

ITEM INVESTIGATIONS AND CHARTED FEATURES

Following are item investigation reports detailing four groups of features:

1. Dangers to Navigation (Dtons)
2. AWOIS Items
3. Charted Features and Notes
4. Significant Uncharted Features

H11353- DtoNs

Registry Number: H11353
State: New York
Locality: New York Harbor
Sub-locality: East River
Project Number: OPR-B410-TJ-04
Survey Dates: 07/31/2004 - 08/16/2004

Charts Affected

Number	Version	Date	Scale
12338	9th Ed.	03/01/2003	1:5000
12334	67th Ed.	04/01/2004	1:10000
12335	40th Ed.	09/01/2003	1:10000
12339	44th Ed.	10/01/2003	1:10000
12341	26th Ed.	06/01/2003	1:10000
12327	97th Ed.	09/01/2003	1:40000
12326	49th Ed.	06/01/2003	1:80000
12363	39th Ed.	07/15/2000	1:80000
12300	44th Ed.	07/01/2004	1:400000
13006	31st Ed.	06/01/2003	1:675000
5161	13th Ed.	10/01/2003	1:1058400
13003	47th Ed.	06/01/2003	1:1200000
14500	27th Ed.	10/01/2002	1:1500000

Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	2	Shoal	10.38 m	40.77729833° N	73.93812030° W	---
1.2	86	Obstruction	14.14 m	40.78038927° N	73.92540075° W	---
1.3	3	Shoal	11.31 m	40.78158899° N	73.92265480° W	---
1.4	4	Shoal	8.25 m	40.77113388° N	73.93913163° W	---
1.5	5	Shoal	6.91 m	40.75569198° N	73.95342360° W	---

1.6	6	Shoal	8.66 m	40.76939593° N	73.93996683° W	---
1.7	31	Shoal	9.27 m	40.69586894° N	74.01414109° W	---
1.8	10	Shoal	8.33 m	40.77893671° N	73.94154751° W	---
1.9	11	Shoal	5.37 m	40.76030423° N	73.94799529° W	---
1.10	11A	Shoal	5.83 m	40.75939856° N	73.94858652° W	---
1.11	0001	Obstruction	[None]	40.72389160° N	73.96315250° W	---

1.1) Profile/Beam - 2783/100 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 604_1826

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°46'38.274"N , 073°56'17.233"W
Least Depth: 10.38 m
Timestamp: 2004-213.18:31:39.141 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 604_1826
Profile/Beam: 2783/100
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/604_1826	2783/100	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

34ft (12339_1, 12341_1, 12327_1, 12363_1)

5 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

10.4m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Do not concur. Upon office review the depth was updated to 36 ft. Replace the charted 34 ft. depth with a 36 ft. depth.

1.2) Profile/Beam - 577/101 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 606_1612

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°46'49.401"N , 073°55'31.443"W
Least Depth: 14.14 m
Timestamp: 2004-213.16:13:07.504 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 606_1612
Profile/Beam: 577/101
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A sounding over a feature was found. The signature appears to be man made and is inconsistent with the the surrounding geology.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/606_1612	577/101	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

46ft (12339_1, 12327_1, 12363_1)

7 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

14.1m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)

Attributes: INFORM - A sounding over a feature was found. The signature appears to be man made and is inconsistent with the the surrounding geology.

NATCON - 4:hard surfaced

QUASOU - 1:depth known
STATUS - 1:permanent
TECSOU - 3:found by multi-beam
VALSOU - 14.14 m

Office Notes

Concur. Retain the charted 46 Obstn.

1.3) Profile/Beam - 194/57 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 606_1612

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°46'53.720"N , 073°55'21.557"W
Least Depth: 11.31 m
Timestamp: 2004-213.16:12:27.208 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 606_1612
Profile/Beam: 194/57
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/606_1612	194/57	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

37ft (12339_1, 12327_1, 12363_1)

6fm (12300_1, 13006_1, 13003_1, 14500_1)

11.3m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Retain as charted.

1.4) Profile/Beam - 11226/101 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 607_1542

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°46'16.082"N , 073°56'20.874"W
Least Depth: 8.25 m
Timestamp: 2004-213.15:59:35.841 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 607_1542
Profile/Beam: 11226/101
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/607_1542	11226/101	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

27ft (12339_1, 12341_1, 12327_1, 12363_1)
 4 ½fm (12300_1, 13006_1, 13003_1, 14500_1)
 8.2m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Do not concur. Upon office review the depth was updated to 28 ft. Replace the charted 27 ft. depth with a 28 ft. depth.

1.5) Profile/Beam - 3708/56 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 607_1542

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°45'20.491"N , 073°57'12.325"W
Least Depth: 6.91 m
Timestamp: 2004-213.15:48:06.265 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 607_1542
Profile/Beam: 3708/56
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/607_1542	3708/56	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

22ft (12335_1, 12339_1, 12327_1, 12363_1)

3 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

6.9m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Do not concur. See Evaluation and Analysis (E&A) Report DtoN 1.1)

1.6) Profile/Beam - 39/83 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 610_1751

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°46'09.825"N , 073°56'23.881"W
Least Depth: 8.66 m
Timestamp: 2004-213.17:51:34.957 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 610_1751
Profile/Beam: 39/83
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/610_1751	39/83	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

28ft (12339_1, 12341_1, 12327_1, 12363_1)
 4 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)
 8.6m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Retain as charted.

1.7) Profile/Beam - 5804/74 from b410_tj_04_h11353a / 1005_mb / 2004-214 / 322_1438

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°41'45.128"N , 074°00'50.908"W
Least Depth: 9.27 m
Timestamp: 2004-214.14:48:01.939 (08/01/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-214 / 322_1438
Profile/Beam: 5804/74
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A chart discrepancy was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-214/322_1438	5804/74	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

30ft (12334_1, 12335_1, 12327_1, 12326_1, 12363_1)

5fm (12300_1, 13006_1, 13003_1, 14500_1)

9.2m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - A chart discrepancy was found.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Retain as charted.

1.8) Profile/Beam - 474/88 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 444_1535

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°46'44.172"N , 073°56'29.571"W
Least Depth: 8.33 m
Timestamp: 2004-216.15:36:26.642 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 444_1535
Profile/Beam: 474/88
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling found extending from Rhineland Reef.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/444_1535	474/88	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

27ft (12339_1, 12341_1, 12327_1, 12363_1)
 4 ½fm (12300_1, 13006_1, 13003_1, 14500_1)
 8.3m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - Shoaling found extending from Rhineland Reef.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Retain as charted.

1.9) Profile/Beam - 1751/6 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 146_1650

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°45'37.095"N , 073°56'52.783"W
Least Depth: 5.37 m
Timestamp: 2004-217.16:52:53.418 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 146_1650
Profile/Beam: 1751/6
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/146_1650	1751/6	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

17ft (12339_1, 12327_1, 12363_1)

2 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

5.3m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Retain as charted.

1.10) Profile/Beam - 1502/43 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 146_1650

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°45'33.835"N , 073°56'54.911"W
Least Depth: 5.83 m
Timestamp: 2004-217.16:52:30.691 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 146_1650
Profile/Beam: 1502/43
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy was found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/146_1650	1502/43	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. DTON sent Feb 09, 2005.

Cartographically-Rounded Depth (Affected Charts):

19ft (12335_1, 12339_1, 12327_1, 12363_1)
 3 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)
 5.8m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - Shoaling discrepancy was found with chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Chart a shoal depth of 19 ft.

1.11) Contact/Point - 0001/1 from h11353 / ru00_sss / 2003-175 / 112_2046

DANGER TO NAVIGATION

Survey Summary

Survey Position: 40°43'26.010"N , 073°57'47.349"W
Least Depth: [None]
Timestamp: 2004-229.06:21:55 (08/16/2004)
Survey Line: h11353 / ru00_sss / 2003-175 / 112_2046
Contact/Point: 0001/1
Charts Affected: 12338_1, 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Obstr/wreckage

Feature Correlation

Address	Feature	Range	Azimuth	Status
h11353/ru00_sss/2003-175/112_2046	0001	0.00	000.0	Primary
h11353/1005_mb/2004-216/332_1806	106/4	4.95	083.3	Secondary
h11353/1005_mb/2004-216/331_1759	2702/43	7.35	106.8	Secondary
h11353/1005_mb/2004-216/332_1806	9/99	11.46	149.3	Secondary

Hydrographer Recommendations

Office Recommendations - It is recommended a dangerous obstruction (pipeline) be charted at this location.

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - Obstr/wreckage
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 2:found by side scan sonar; 3:found by multi-beam
 VALSOU - m
 VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

See Office DtoN Report attached to the end of the Evaluation & Analysis (E&A) Report.

H11353 AWOIS Items

Registry Number: H11353
State: New York
Locality: New York Harbor
Sub-locality: East River
Project Number: OPR-B410-TJ-04
Survey Dates: 07/30/2004 - 08/02/2004

Charts Affected

Number	Version	Date	Scale
12334	67th Ed.	04/01/2004	1:10000
12335	40th Ed.	09/01/2003	1:10000
12339	44th Ed.	10/01/2003	1:10000
12337	22nd Ed.	11/15/1997	1:20000
12327	97th Ed.	09/01/2003	1:40000
12326	49th Ed.	06/01/2003	1:80000
12363	39th Ed.	07/15/2000	1:80000
12300	44th Ed.	07/01/2004	1:400000
13006	31st Ed.	06/01/2003	1:675000
5161	13th Ed.	10/01/2003	1:1058400
13003	47th Ed.	06/01/2003	1:1200000
14500	27th Ed.	10/01/2002	1:1500000

Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	11B	Wreck	[None]	40.77596960° N	73.93722970° W	4271
1.2	11C	Shoal	12.47 m	40.69845785° N	74.00470419° W	1674
1.3	22	Rock	10.71 m	40.71180318° N	73.97131845° W	10671
1.4	22A	Shoal	12.38 m	40.72259645° N	73.96803947° W	11671
1.5	25	Shoal	7.70 m	40.70232062° N	74.01900258° W	10661
1.6	36	Shoal	11.87 m	40.77964070° N	73.93176568° W	1530

1.7	36A	Rock	9.44 m	40.69954756° N	74.00965064° W	2709
1.8	46	Rock	11.42 m	40.71287003° N	73.97313364° W	10672
1.9	48	Shoal	8.72 m	40.72460146° N	73.97117664° W	11672

1.1) GP No. - Danger 19 from ChartGPs - ENC US5NY12M

Primary Feature for AWOIS Item #4271

Search Position: 40°46'33.491"N , 073°56'14.027"W

Historical Depth: [None]

Search Radius: 0

Search Technique: SD, S2, SWMB, DI

Technique Notes: [None]

History Notes:

HISTORY UNKNOWN SOURCE--DANGEROUS SUBMERGED WRECK; POSITION SCALED FROM CHART 12339 (1:10,000) IN APPROX. LAT. 40-46-33N, LONG. 73-56-15W. CHARTED ON 1930 EDITION OF CHART 12339.

Survey Summary

Survey Position: 40°46'33.491"N , 073°56'14.027"W

Least Depth: [None]

Timestamp: [None]

GP Dataset: ChartGPs - ENC US5NY12M

GP No.: Danger 19

Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Item was covered by two passes of SSS. (100% and 200%). The wreck was not seen. The item was not fully covered by MB on the eastern edge of the danger circle but multibeam did cover up to the 18 foot contour.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY12M	Danger 19	0.00	000.0	Primary
B410-04_awois	AWOIS # 4271	13.16	287.9	Secondary (grouped)

Hydrographer Recommendations

Remove the charted wreck.

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 2:dangerous wreck

INFORM - Item was covered by two passes of SSS. (100% and 200%). The wreck was not seen. The item was not fully covered by MB on the eastern edge of the danger circle but multibeam did cover up to the 18 foot contour.

VALSOU - m

WATLEV - 3:always under water/submerged

Office Notes

Concur. Remove the charted dangerous wreck symbol.

1.2) Profile/Beam - 4576/44 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 301_1408

Primary Feature for AWOIS Item #1674

Search Position: 40°41'54.448"N , 074°00'16.935"W
Historical Depth: [None]
Search Radius: 200
Search Technique: SD, S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY LNM18/72--BUOY EST. OVER HELICOPTER WK. 425 YDS, 255 DEG. FROM E. RIVER DEEPWATER RANGE FT LIGHT. LNM21/72--BUOY DISCONTINUED, MOST OF WRECK REMOVED FE221/78-79--OPR-C622, ITEM 15; PI SAYS MAY BE REMAINS OF HELICOPTER, REQUIRED 100-METER RADIUS WD TO VERIFY OR DISPROVE; NOT DONE DUE TO LACK OF TIME. R/H LTR TO AMC 5/19/80--FIELD RESEARCH INDICATES MAIN FUSELAGE,PONTOONS, SEATS INSTRUMENTS RECOVERED. NAVY SSS HAD NEGATIVE RESULTS AFTER RECOVERY COMPLETE HOWEVER POSSIBLE REMAINS OF THE ROTAR BLADE AND PORTION OF THE TAIL ASSEMBLY EXIST. BP12334/1986--USACE; 1986 MULTIBEAM SWEEP SURVEY REVEALED LEAST DEPTHS OF 38FT IN TWO POSITIONS, 40-41-55.56 N 074-00-12.14 W AND 40-41-54.0 N 074-00-16.68 W NAD 83. WRECKAGE NOTE RETAINED ON CHART. DESCRIPTION TELECON COE-NY, TOM CLARK JIM DAILEY, 3/26/85; MR. CLARK INDICATED THE COE WAS TO INVESTIGATE THIS ITEM WITH A GRAPPLING HOOK IN THE NEAR FUTURE.

Survey Summary

Survey Position: 40°41'54.448"N , 074°00'16.935"W
Least Depth: 12.47 m
Timestamp: 2004-213.14:16:07.317 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 301_1408
Profile/Beam: 4576/44
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

This is one of two positions given from a single item, AWOIS 1674. The item was covered by 100% multibeam and 100% SSS. No evidence of the item was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/301_1408	4576/44	0.00	000.0	Primary
ChartGPs - ENC US5NY1DM	Danger 16	6.18	243.4	Secondary (grouped)
B410-04_awois	AWOIS # 1674	28.88	236.8	Secondary (grouped)

Hydrographer Recommendations

Remove wreckage text. Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

41ft (12334_1, 12335_1, 12327_1, 12326_1, 12363_1)

6 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

12.4m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)

Attributes: INFORM - This is one of two positions given from a single item, AWOIS 1674. The item was covered by 100% multibeam and 100% SSS. No evidence of the item was found.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. Delete wreckage note and chart present survey soundings.

1.3) Profile/Beam - 1256/16 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 301_1431

Primary Feature for AWOIS Item #10671

Search Position: 40°42'42.491"N , 073°58'16.746"W
Historical Depth: [None]
Search Radius: 200
Search Technique: SD, S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY BP39544/1945--USACE; SOUNDING AND SWEEP SURVEY; 35 FT CLEARANCE DEPTH OVER A ROCK OBTAINED IN POS. 40-42-41.6 N 073-58-18 W.

Survey Summary

Survey Position: 40°42'42.491"N , 073°58'16.746"W
Least Depth: 10.71 m
Timestamp: 2004-213.14:33:18.806 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 301_1431
Profile/Beam: 1256/16
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The obstruction was found, covered by 100% MBES and 100% SSS. The wire drag symbol is disproved. This is AWOIS 10671.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/301_1431	1256/16	0.00	000.0	Primary
B410-04_awois	AWOIS # 10671	40.20	046.7	Secondary (grouped)

Hydrographer Recommendations

Remove the wire drag symbol. Retain Sounding on Rock with danger circle as per digital data.

Cartographically-Rounded Depth (Affected Charts):

35ft (12335_1, 12327_1, 12326_1, 12363_1)

5 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

10.7m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: INFORM - The obstruction was found, covered by 100% MBES and 100% SSS. The wire drag symbol is disproved. This is AWOIS 10671.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

VALSOU - 10.71 m

WATLEV - 3:always under water/submerged

Office Notes

Concur. Delete the wire drag clearance depth and chart a dangerous 35 Rk.

1.4) Profile/Beam - 6461/11 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 302_1927

Primary Feature for AWOIS Item #11671

Search Position: 40°43'21.347"N , 073°58'04.942"W
Historical Depth: [None]
Search Radius: 200
Search Technique: SD, S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY SOURCE NOT DETERMINED; ORIGINALLY CHARTED AS A "OBS" WITH NO ASSOCIATED DEPTH IN 1934. PROBABLE CHARTING SOURCE(S) IS USACE BLUEPRINTS STARTING IN 1933. POSITION SCALED ON 31-FOOT SOUNDING IN FROM CHART 12335 IN LAT. 40-43-21.36N, LONG. 73-58-04.89W. (ENT 9/30/02, SJV)

Survey Summary

Survey Position: 40°43'21.347"N , 073°58'04.942"W
Least Depth: 12.38 m
Timestamp: 2004-213.19:37:16.893 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 302_1927
Profile/Beam: 6461/11
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The item was covered by 100% multibeam and 100% SSS. No evidence of the item was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/302_1927	6461/11	0.00	000.0	Primary
B410-04_awois	AWOIS # 11671	1.28	252.0	Secondary

Hydrographer Recommendations

Delete Obstruction. Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

40ft (12335_1, 12327_1, 12363_1)

6 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

12.4m (5161_1)

S-57 Data

[None]

Office Notes

Concur. Delete Obstn note and chart present survey soundings.

1.5) Profile/Beam - 379/30 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 396_1317

Primary Feature for AWOIS Item #10661

Search Position: 40°42'08.354"N , 074°01'08.409"W
Historical Depth: [None]
Search Radius: 100
Search Technique: SD, S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY BP38523/1944--USACE DRIFT SWEEP SURVEY; 17 FT CONTACT SHOWN AND CHARTED AS AN OBSTN. IN POS. 40-42-08.47 N 074-01-08.47 W NAD 83. ENTERED 6/00 MCR

Survey Summary

Survey Position: 40°42'08.354"N , 074°01'08.409"W
Least Depth: 7.70 m
Timestamp: 2004-213.13:17:53.991 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 396_1317
Profile/Beam: 379/30
Charts Affected: 12335_1, 12337_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Item covered by 100% MBES and 100% SSS. No evidence of the item was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/396_1317	379/30	0.00	000.0	Primary
B410-04_awois	AWOIS # 10661	3.85	158.4	Secondary (grouped)

Hydrographer Recommendations

Remove 17 foot Obstn and danger circle, chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

25ft (12335_1, 12337_1, 12327_1, 12326_1, 12363_1)

4 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

7.7m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)

Attributes: INFORM - Item covered by 100% MBES and 100% SSS. No evidence of the item was found.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. Delete dangerous 17 Obstn and chart present survey soundings.

1.6) Profile/Beam - 1684/59 from b410_tj_04_h11353a / 1005_mb / 2004-214 / 602_2026

Primary Feature for AWOIS Item #1530

Search Position: 40°46'46.707"N , 073°55'54.356"W
Historical Depth: [None]
Search Radius: 250
Search Technique: SD, S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY NM50/62--BROKEN ROCK OBSTRUCTION WITH LD OF 31 FEET REPORTED ABOUT 333 YDS., 54 DEG. FROM HELL GATE LIGHT (POS. OF LIGHT 40-46-40.5N, 73-56-06.5W.). NM13/63--COE ADVISES OBSTRUCTION SWEEP CLEAR TO LD OF 34 FEET. (SUPERSEDES NM50/62). CHARTED AS OBSTRUCTION WITH CLEARED DEPTH TO 34 FT. (NO PA) IN POS. LAT. 40-46-46.2N, LONG. 73-55-56.0W. SCALED FROM CHART 12339, 35TH ED., FEB. 25, 1984.

Survey Summary

Survey Position: 40°46'46.707"N , 073°55'54.356"W
Least Depth: 11.87 m
Timestamp: 2004-214.20:29:55.366 (08/01/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-214 / 602_2026
Profile/Beam: 1684/59
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Disproved , no evidence of Obstruction, area covered 100% SSS and 100% MBES.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-214/602_2026	1684/59	0.00	000.0	Primary
B410-04_awois	AWOIS # 1530	5.50	034.5	Secondary

Hydrographer Recommendations

Remove charted obstruction cleared to 34 feet at the surveyed position. Chart representative soundings.

Cartographically-Rounded Depth (Affected Charts):

39ft (12339_1, 12327_1, 12363_1)

6 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

11.8m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)

Attributes: INFORM - Disproved , no evidence of Obstruction, area covered 100% SSS and 100% MBES.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. Remove charted 34 wire drag clearance depth Obstn.

1.7) Profile/Beam - 659/24 from b410_tj_04_h11353a / 1005_mb / 2004-215 / 016_1355

Primary Feature for AWOIS Item #2709

Search Position: 40°41'58.371"N , 074°00'34.742"W
Historical Depth: [None]
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY BP92779/75--COE; OBSTRUCTION COVERED 12.9 FT MLW H9815/80--OPR-B139-WH-80, ITEM 23; POSSIBLY FOUND AT CHARTED POS.40-41-58N, 74-00-36.2W, 18 FT SOUNDER DEPTH, NO DIVER VERIFICATION; RECOMMENDS REMAIN DANGEROUS SUBM. WK. (12 FT REP.) REPLACE CHARTED OBSTR W/12 FT DEPTH FE232/80WD--OPR-B645-RU/HE-80, ITEM 27; COE REPORTS OBSTR. TO BE AN OLD SCOW FILLED WITH STONE. COE SURVEYS SECTION AWARDED CONTRACT FOR SALVAGE ON /12/81. HYDROGRAPHER DID NOT INVESTIGATE SITE BUT REFERENCED H9815 WORK. NOTE: NOT PRESENTLY CHARTED. (UP 6/30/04, SJV)

Survey Summary

Survey Position: 40°41'58.371"N , 074°00'34.742"W
Least Depth: 9.44 m
Timestamp: 2004-215.13:56:43.069 (08/02/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-215 / 016_1355
Profile/Beam: 659/24
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

No search radius given. Item covered with 100% MBES and 200% SSS. Nothing was found at the location. The item is disproved.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-215/016_1355	659/24	0.00	000.0	Primary
B410-04_awois	AWOIS # 2709	1.05	289.4	Secondary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

31ft (12334_1, 12335_1, 12327_1, 12326_1, 12363_1)

5fm (12300_1, 13006_1, 13003_1, 14500_1)

9.4m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: INFORM - No search radius given. Item covered with 100% MBES and 200% SSS. Nothing was found at the location. The item is disproved.

QUASOU - 6:least depth known

STATUS - 1:permanent

TECSOU - 2:found by side scan sonar; 3:found by multi-beam

VALSOU - 9.44 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. Upon office review two rocks were determined present in the immediate area. Chart a 24 Rks.

1.8) Profile/Beam - 5170/74 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 306_1346

Primary Feature for AWOIS Item #10672

Search Position: 40°42'46.332" N, 73°58'23.281" W
Historical Depth: [None]
Search Radius: 200
Search Technique: SD, S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY BP39544/1945--USACE; SOUNDING AND SWEEP SURVEY; 35 FT CLEARANCE DEPTH OVER A ROCK OBTAINED IN POS.40-42-45.8 N 073-58-25.5 W

Survey Summary

Survey Position: 40°42'46.332" N, 073°58'23.281" W
Least Depth: 11.42 m
Timestamp: 2004-212.13:54:29.682 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 306_1346
Profile/Beam: 5170/74
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The item was found. 100% MBES was acquired over the item. Disproves the wire drag symbol and the charted 35 feet. Correlates to AWOIS 10672.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/306_1346	5170/74	0.00	000.0	Primary
B410-04_awois	AWOIS # 10672	54.33	072.4	Secondary (grouped)

Hydrographer Recommendations

Remove the wire drag/swept symbol, replace the charted sounding with a sounding on a Rock as per digital data.

Cartographically-Rounded Depth (Affected Charts):

37ft (12335_1, 12327_1, 12326_1, 12363_1)

6 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

11.4m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: INFORM - The item was found. 100% MBES was acquired over the item. Disproves the wire drag symbol and the charted 35 feet. Correlates to AWOIS 10672.

QUASOU - 1:depth known

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 11.42 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Delete the wire drag clearance depth 35 Rk and chart a dangerous 37 Rk.

1.9) Profile/Beam - 2079/75 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 332_1655

Primary Feature for AWOIS Item #11672

Search Position: 40°43'28.565"N , 073°58'16.236"W
Historical Depth: [None]
Search Radius: 200
Search Technique: SD, S2, SWMB, DI
Technique Notes: [None]

History Notes:

HISTORY CL1187/59; DATED 10/19/59; TRANSMITS USACE SOUNDING DATA FROM G.R. FISH (CAPT., USC, NEW YORK DISTRICT OFFICER) TO THE DIRECTOR, USC WASH., D.C. BP58821/59; SOUNDINGS AND SWEEPING AFTER DREDGING IN EAST RIVER, NY. OBSTRUCTION COVERED 20 FEET LOCATED. "OBSTRUCTION APPEARS TO BE A THIN METAL OBJECT PROTRUDING VERTICALLY FROM THE BOTTOM. THIS WAS ANCHORED (SIC), SWEEPED, AND PROBED". SCALED FROM CHART 12335 IN LAT. 40-43-28.56N, LONG. 73-58-16.26W. (ENT 9/30/02, SJV)

Survey Summary

Survey Position: 40°43'28.565"N , 073°58'16.236"W
Least Depth: 8.72 m
Timestamp: 2004-212.16:58:13.145 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 332_1655
Profile/Beam: 2079/75
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Item was covered by 100% SSS and 100%MBES. The object was not detected. This is AWOIS 11672.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/332_1655	2079/75	0.00	000.0	Primary
B410-04_awois	AWOIS # 11672	0.58	073.9	Secondary

Hydrographer Recommendations

Remove the charted 20 foot obstruction. Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

28ft (12335_1, 12327_1, 12363_1)

4 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

8.7m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)

Attributes: INFORM - Item was covered by 100% SSS and 100%MBES. The object was not detected.
This is AWOIS 11672.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. The dangerous 20 Obstrn has already been removed from the chart, chart present survey soundings.

H11353 Feature Report

Registry Number: H11353
State: New York
Locality: New York Harbor
Sub-locality: East River
Project Number: OPR-B410-TJ-04
Survey Dates: 07/29/2004 - 08/04/2004

Charts Affected

Number	Version	Date	Scale
12338	9th Ed.	03/01/2003	1:5000
12334	67th Ed.	04/01/2004	1:10000
12335	40th Ed.	09/01/2003	1:10000
12339	44th Ed.	10/01/2003	1:10000
12341	26th Ed.	06/01/2003	1:10000
12337	22nd Ed.	11/15/1997	1:20000
12327	97th Ed.	09/01/2003	1:40000
12326	49th Ed.	06/01/2003	1:80000
12363	39th Ed.	07/15/2000	1:80000
12300	44th Ed.	07/01/2004	1:400000
13006	31st Ed.	06/01/2003	1:675000
5161	13th Ed.	10/01/2003	1:1058400
13003	47th Ed.	06/01/2003	1:1200000
14500	27th Ed.	10/01/2002	1:1500000

Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	17A Feat. for Aw1674	Shoal	12.10 m	040° 41' 56.002" N	74° 00' 11.613" W	---
1.2	17.0	GP	[None]	040° 41' 37.322" N	74° 00' 54.931" W	---
1.3	17.1	GP	[None]	040° 41' 36.577" N	74° 00' 52.272" W	---
1.4	17.2	GP	[None]	040° 41' 36.656" N	74° 00' 54.103" W	---

1.5	17.3	GP	[None]	040° 42' 02.350" N	74° 00' 40.842" W	---
1.6	17.4	GP	[None]	040° 42' 01.367" N	74° 00' 48.999" W	---
1.7	17.5	GP	[None]	040° 41' 58.238" N	73° 59' 59.797" W	---
1.8	17.6	GP	[None]	040° 43' 27.891" N	73° 57' 46.300" W	---
1.9	17.7	Mooring buoy	[None]	040° 43' 58.368" N	73° 57' 52.493" W	---
1.10	17.8	GP	[None]	040° 46' 52.394" N	73° 55' 54.610" W	---
1.11	17.9	GP	[None]	040° 46' 40.701" N	73° 56' 05.300" W	---
1.12	17.10	Rock	7.47 m	040° 42' 18.819" N	73° 59' 32.384" W	---
1.13	1	Shoal	11.22 m	040° 46' 38.036" N	73° 56' 18.859" W	---
1.14	29	Shoal	13.66 m	040° 43' 10.020" N	73° 57' 59.552" W	---
1.15	121	Shoal	11.77 m	040° 42' 31.322" N	73° 59' 17.828" W	---
1.16	122	Shoal	12.21 m	040° 42' 31.470" N	73° 59' 18.605" W	---
1.17	39	Shoal	11.10 m	040° 42' 31.516" N	73° 59' 20.271" W	---
1.18	125	Shoal	3.32 m	040° 42' 37.792" N	73° 58' 13.435" W	---
1.19	126	Shoal	6.05 m	040° 42' 40.695" N	73° 58' 12.535" W	---
1.20	41	Rock	8.39 m	040° 46' 56.405" N	73° 56' 19.815" W	---
1.21	42	Shoal	0.40 m	040° 42' 40.589" N	73° 58' 12.110" W	---
1.22	43	Shoal	2.01 m	040° 42' 44.180" N	73° 58' 09.929" W	---
1.23	154	Shoal	5.59 m	040° 42' 41.555" N	73° 58' 11.392" W	---
1.24	12	Shoal	6.28 m	040° 45' 36.187" N	73° 56' 51.772" W	---
1.25	13	Shoal	5.91 m	040° 45' 31.812" N	73° 56' 56.256" W	---
1.26	14	Shoal	16.60 m	040° 46' 27.818" N	73° 56' 18.684" W	---
1.27	61	Shoal	8.92 m	040° 42' 23.317" N	73° 59' 56.171" W	---
1.28	61A	Obstruction	5.28 m	040° 41' 58.287" N	74° 00' 39.559" W	---
1.29	72	Shoal	7.62 m	040° 42' 20.606" N	74° 00' 01.413" W	---
1.30	73	Shoal	8.41 m	040° 42' 22.167" N	73° 59' 58.240" W	---
1.31	74	Shoal	7.53 m	040° 42' 23.752" N	73° 59' 55.663" W	---
1.32	75	Shoal	9.58 m	040° 42' 27.386" N	73° 59' 45.596" W	---
1.33	76	Shoal	7.29 m	040° 42' 28.208" N	73° 59' 42.616" W	---
1.34	77	Shoal	8.58 m	040° 42' 28.990" N	73° 59' 36.814" W	---
1.35	84	Obstruction	7.97 m	040° 42' 08.675" N	74° 01' 11.502" W	---
1.36	85	Obstruction	15.77 m	040° 46' 47.335" N	73° 55' 35.103" W	---
1.37	7	Shoal	13.79 m	040° 45' 36.062" N	73° 57' 20.866" W	---
1.38	8	Wreck	13.87 m	040° 44' 54.719" N	73° 57' 54.281" W	---
1.39	9	Wreck	14.38 m	040° 46' 25.232" N	73° 56' 34.136" W	---

1.40	123	Shoal	7.86 m	040° 42' 30.175" N	73° 59' 31.243" W	---
1.41	124	Shoal	8.50 m	040° 42' 29.541" N	73° 59' 34.351" W	---
1.42	130	Wreck	16.79 m	040° 46' 58.549" N	73° 56' 31.677" W	---
1.43	131	Shoal	11.30 m	040° 46' 56.179" N	73° 56' 34.072" W	---
1.44	132	Sounding	19.76 m	040° 46' 56.456" N	73° 56' 32.586" W	---
1.45	134	Wreck	14.99 m	040° 46' 59.850" N	73° 56' 30.595" W	---
1.46	135	Sounding	21.45 m	040° 46' 57.974" N	73° 56' 29.833" W	---
1.47	136	Wreck	18.59 m	040° 46' 58.673" N	73° 56' 29.740" W	---
1.48	137	Shoal	10.88 m	040° 46' 47.651" N	73° 56' 26.885" W	---
1.49	138	Obstruction	7.22 m	040° 46' 52.932" N	73° 56' 02.014" W	---
1.50	40	Rock	6.34 m	040° 46' 56.133" N	73° 56' 17.175" W	---
1.51	140	Rock	7.94 m	040° 46' 56.757" N	73° 56' 19.275" W	---
1.52	142	Rock	7.38 m	040° 46' 57.589" N	73° 56' 19.532" W	---
1.53	145	Obstruction	18.17 m	040° 46' 53.328" N	73° 56' 33.133" W	---
1.54	146	Shoal	7.97 m	040° 46' 54.243" N	73° 56' 35.246" W	---
1.55	149	Wreck	12.17 m	040° 46' 38.596" N	73° 56' 28.760" W	---
1.56	151	Wreck	24.96 m	040° 46' 35.351" N	73° 56' 20.261" W	---
1.57	152	Rock	7.84 m	040° 46' 57.904" N	73° 56' 20.143" W	---
1.58	153	Shoal	7.73 m	040° 42' 28.507" N	73° 59' 39.667" W	---
1.59	164	Obstruction	17.16 m	040° 46' 48.251" N	73° 55' 33.015" W	---
1.60	170	Shoal	12.91 m	040° 46' 48.965" N	73° 56' 31.831" W	---
1.61	174	Shoal	9.95 m	040° 42' 08.190" N	74° 01' 12.871" W	---
1.62	176	Obstruction	6.13 m	040° 41' 58.918" N	74° 00' 38.497" W	---

1.1) Profile/Beam - 4899/83 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 301_1408

Survey Summary

Survey Position: 040° 41' 56.002" N, 74° 00' 11.613" W
Least Depth: 12.10 m
Timestamp: 2004-213.14:16:40.808 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 301_1408
Profile/Beam: 4899/83
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

This is one of two positions given from a single item, AWOIS 1674. The item was covered by 100% SSS and 100% MBES. The item was not detected.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/301_1408	4899/83	0.00	000.0	Primary

Hydrographer Recommendations

Remove wreckage text. Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

39ft (12334_1, 12335_1, 12327_1, 12326_1, 12363_1)

6 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

12.1m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)

Attributes: INFORM - This is one of two positions given from a single item, AWOIS 1674. The item was covered by 100% SSS and 100% MBES. The item was not detected.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. Delete wreckage note and chart present survey soundings.

1.2) GP No. - AToN 1 from ChartGPs - ENC US5NY1DM

Survey Summary

Survey Position: 040° 41' 37.322" N, 74° 00' 54.931" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY1DM
GP No.: AToN 1
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19620101 US,U1,reprt,NM 36/62 Governors Island West Rack Light The light is not in the light list.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY1DM	AToN 1	0.00	000.0	Primary

Hydrographer Recommendations

Update the light list.

S-57 Data

Geo object 1: Beacon, lateral (BCNLAT)
Attributes: BCNSHP - 5:pile beacon
 CATLAM - 2:starboard-hand lateral mark
 INFORM - 19620101 US,U1,reprt,NM 36/62 Governors Island West Rack Light The light is not in the light list.
 STATUS - 1:permanent

Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 3:red
 HEIGHT - 7.3 m
 INFORM - 19620101 US,U1,reprt,NM 36/62 Governors Island West Rack Light The light is not in the light list.
 LITCHR - 1:fixed

STATUS - 1:permanent

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.3 GP No. - AToN 2 from ChartGPs - ENC US5NY1DM

Survey Summary

Survey Position: 040° 41' 36.577" N, 74° 00' 52.272" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY1DM
GP No.: AToN 2
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19620101 US,U1,reprt,NM 36/62 Governors Island East Rack Light The light is not in the light list.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY1DM	AToN 2	0.00	000.0	Primary

Hydrographer Recommendations

Update the light list.

S-57 Data

Geo object 1: Beacon, lateral (BCNLAT)
Attributes: BCNSHP - 5:pile beacon
 CATLAM - 1:port-hand lateral mark
 INFORM - 19620101 US,U1,reprt,NM 36/62 Governors Island East Rack Light The light is not in the light list.
 STATUS - 1:permanent

Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 4:green
 HEIGHT - 7.3 m
 INFORM - 19620101 US,U1,reprt,NM 36/62 Governors Island East Rack Light The light is not in the light list.
 LITCHR - 1:fixed

STATUS - 1:permanent

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.4) GP No. - AToN 72 from ChartGPs - ENC US5NY1DM

Survey Summary

Survey Position: 040° 41' 36.656" N, 74° 00' 54.103" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY1DM
GP No.: AToN 72
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19620101 US,U1,reprt,NM 36/62 Governors Island Ferry Rack Lower Fog Lights (3) Center Rack East and West Lights. The light is not in the light list.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY1DM	AToN 72	0.00	000.0	Primary

Hydrographer Recommendations

Update the light list.

S-57 Data

Geo object 1: Beacon, special purpose/general (BCNSPP)
Attributes: BCNSHP - 5:pile beacon
 CATSPM - 14:mooring mark
 INFORM - 19620101 US,U1,reprt,NM 36/62 Governors Island Ferry Rack Lower Fog Lights (3) Center Rack East and West Lights. The light is not in the light list.
 STATUS - 1:permanent
Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 1:white
 HEIGHT - 7.3 m
 INFORM - 19620101 US,U1,reprt,NM 36/62 Governors Island Ferry Rack Lower Fog Lights (3) Center Rack East and West Lights. The light is not in the light list.

LITCHR - 1:fixed

STATUS - 1:permanent

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.5) GP No. - AToN 73 from ChartGPs - ENC US5NY1DM

Survey Summary

Survey Position: 040° 42' 02.350" N, 74° 00' 40.842" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY1DM
GP No.: AToN 73
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19590501 US,U1,reprt,NM 24/59 Governors Island Ferry Rack Lower Fog Lights (3) The light is not in the light list. This light on the manhattan side has the same description as the governors island side.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY1DM	AToN 73	0.00	000.0	Primary

Hydrographer Recommendations

Update the Light List.

S-57 Data

Geo object 1: Beacon, special purpose/general (BCNSPP)
Attributes: BCNSHP - 5:pole beacon
 CATSPM - 14:mooring mark
 INFORM - 19590501 US,U1,reprt,NM 24/59 Governors Island Ferry Rack Lower Fog Lights (3) The light is not in the light list. This light on the manhattan side has the same description as the governors island side.
 STATUS - 1:permanent
Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 1:white
 HEIGHT - 7.3 m

INFORM - 19590501 US,U1,reprt,NM 24/59 Governors Island Ferry Rack Lower Fog Lights
(3) The light is not in the light list. This light on the manhattan side has the same description as the governors island side.

LITCHR - 2:flashing

SIGGRP - (1)

STATUS - 1:permanent

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.6) GP No. - AToN 77 from ChartGPs - ENC US5NY1DM

Survey Summary

Survey Position: 040° 42' 01.367" N, 74° 00' 48.999" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY1DM
GP No.: AToN 77
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19730101 US,US,reprt,3rdCGD,LNM 05/73 Whitehall Ferry Rack A Fog Signal The ENC has a discrepancy with chart and light list.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY1DM	AToN 77	0.00	000.0	Primary

Hydrographer Recommendations

Update the Chart, ENC and the Light List.

S-57 Data

Geo object 1: Beacon, special purpose/general (BCNSPP)
Attributes: BCNSHP - 1:stake, pole, perch, post
 CATSPM - 14:mooring mark
 COLOUR - 8:brown
 INFORM - 19730101 US,US,reprt,3rdCGD,LNM 05/73 Whitehall Ferry Rack A Fog Signal
 The ENC has a discrepancy with chart and light list.
 STATUS - 8:private
Geo object 2: Fog signal (FOGSIG)
Attributes: CATFOG - 10:horn
 INFORM - 19730101 US,US,reprt,3rdCGD,LNM 05/73 Whitehall Ferry Rack A Fog Signal
 The ENC has a discrepancy with chart and light list.

SIGGRP - (1)
SIGPER - 13.0 s
SIGSEQ - 05.0+(08.0)
STATUS - 8:private

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.7) GP No. - AToN 79 from ChartGPs - ENC US5NY1DM

Survey Summary

Survey Position: 040° 41' 58.238" N, 73° 59' 59.797" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY1DM
GP No.: AToN 79
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19961116 US,US,graph,chart 12335 East River Deepwater Range Front Light There is a discrepancy between chart and Coast Pilot position.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY1DM	AToN 79	0.00	000.0	Primary

Hydrographer Recommendations

Update the Chart, ENC and the Coast Pilot.

S-57 Data

Geo object 1: Beacon, special purpose/general (BCNSPP)
Attributes: BCNSHP - 4:lattice beacon
 CATSPM - 16:leading mark
 INFORM - 19961116 US,US,graph,chart 12335 East River Deepwater Range Front Light
 There is a discrepancy between chart and Coast Pilot position.
 STATUS - 1:permanent
Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 4:green
 HEIGHT - 13.1 m
 INFORM - 19961116 US,US,graph,chart 12335 East River Deepwater Range Front Light
 There is a discrepancy between chart and Coast Pilot position.

LITCHR - 1:fixed

STATUS - 1:permanent

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.8) GP No. - AToN 18 from ChartGPs - ENC US5NY11M

Survey Summary

Survey Position: 040° 43' 27.891" N, 73° 57' 46.300" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY11M
GP No.: AToN 18
Charts Affected: 12338_1, 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19491101 US,US,graph,TP-8449W Poorhouse Flats Range Front Light There is discrepancy between charted position and Light List Position.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY11M	AToN 18	0.00	000.0	Primary

Hydrographer Recommendations

Update chart, ENC, and Light List.

S-57 Data

Geo object 1: Beacon, special purpose/general (BCNSPP)
Attributes: BCNSHP - 4:lattice beacon
 CATSPM - 16:leading mark
 INFORM - 19491101 US,US,graph,TP-8449W Poorhouse Flats Range Front Light There is discrepancy between charted position and Light List Position.
 STATUS - 1:permanent

Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 3:red
 HEIGHT - 7.9 m
 INFORM - 19491101 US,US,graph,TP-8449W Poorhouse Flats Range Front Light There is discrepancy between charted position and Light List Position.
 LITCHR - 4:quick-flashing

SIGGRP - (1)

STATUS - 1:permanent

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.9) GP No. - AToN 24 from ChartGPs - ENC US5NY11M

Survey Summary

Survey Position: 040° 43' 58.368" N, 73° 57' 52.493" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY11M
GP No.: AToN 24
Charts Affected: 12338_1, 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19950215 US,US,reprt,1stCGD,LNM 07/95 Greenpoint Terminal Lighted Buoy There is a discrepancy between Charted position and Light List Position.

Hydrographer Recommendations

Update chart, ENC, and Light List.

S-57 Data

Geo object 1: Light (LIGHTS)
Attributes: COLOUR - 1:white
 INFORM - 19950215 US,US,reprt,1stCGD,LNM 07/95 Greenpoint Terminal Lighted Buoy
 There is a discrepancy between Charted position and Light List Position.
 LITCHR - 2:flashing
 SIGGRP - (1)
 STATUS - 8:private

Geo object 2: Mooring/warping facility (MORFAC)
Attributes: CATMOR - 7:mooring buoy
 COLOUR - 1:white; 5:blue
 COLPAT - 1:horizontal stripes
 INFORM - 19950215 US,US,reprt,1stCGD,LNM 07/95 Greenpoint Terminal Lighted Buoy
 There is a discrepancy between Charted position and Light List Position.
 STATUS - 8:private

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.10) GP No. - AToN 1 from ChartGPs - ENC US5NY12M

Survey Summary

Survey Position: 040° 46' 52.394" N, 73° 55' 54.610" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY12M
GP No.: AToN 1
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19320101 US,US,reprt,NGS Pg137 Hog Back Light 14 There is a discrepancy between charted position and the Light List Position.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY12M	AToN 1	0.00	000.0	Primary

Hydrographer Recommendations

Update chart, ENC, and Light List.

S-57 Data

Geo object 1: Beacon, lateral (BCNLAT)
Attributes: BCNSHP - 4:lattice beacon
 CATLAM - 2:starboard-hand lateral mark
 INFORM - 19320101 US,US,reprt,NGS Pg137 Hog Back Light 14 There is a discrepancy between charted position and the Light List Position.
 STATUS - 1:permanent

Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 3:red
 HEIGHT - 7.6 m
 INFORM - 19320101 US,US,reprt,NGS Pg137 Hog Back Light 14 There is a discrepancy between charted position and the Light List Position.
 LITCHR - 2:flashing

SIGGRP - (1)

STATUS - 1:permanent

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.11) GP No. - AToN 2 from ChartGPs - ENC US5NY12M

Survey Summary

Survey Position: 040° 46' 40.701" N, 73° 56' 05.300" W
Least Depth: [None]
Timestamp: [None]
GP Dataset: ChartGPs - ENC US5NY12M
GP No.: AToN 2
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

19920923 US,US,reprt,1stCGD,LNM 39/92 Hell Gate Light 15 There is a discrepancy between charted position and the Light List Position.

Feature Correlation

Address	Feature	Range	Azimuth	Status
ChartGPs - ENC US5NY12M	AToN 2	0.00	000.0	Primary

Hydrographer Recommendations

There is a discrepancy between the charted position and Light List Position. Update chart, ENC, and Light List.

S-57 Data

Geo object 1: Beacon, lateral (BCNLAT)
Attributes: BCNSHP - 5:pile beacon
 CATLAM - 1:port-hand lateral mark
 INFORM - 19920923 US,US,reprt,1stCGD,LNM 39/92 Hell Gate Light 15 There is a discrepancy between charted position and the Light List Position.
 STATUS - 1:permanent

Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 4:green
 HEIGHT - 10.0 m
 INFORM - 19920923 US,US,reprt,1stCGD,LNM 39/92 Hell Gate Light 15 There is a discrepancy between charted position and the Light List Position.
 LITCHR - 2:flashing

SIGGRP - (1)

STATUS - 1:permanent

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.12) Profile/Beam - 8232/83 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 301_1408

Survey Summary

Survey Position: 040° 42' 18.819" N, 73° 59' 32.384" W
Least Depth: 7.47 m
Timestamp: 2004-213.14:22:25.228 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 301_1408
Profile/Beam: 8232/83
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/301_1408	8232/83	0.00	000.0	Primary

Hydrographer Recommendations

Remove charted sounding. Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

24ft (12335_1, 12327_1, 12326_1, 12363_1)

4fm (12300_1, 13006_1, 13003_1, 14500_1)

7.4m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - Shoaling discrepancy with chart.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 7.47 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. Upon office review a rock was located with a least depth of 24 ft. Chart a 24 Rk.

1.13) Profile/Beam - 2618/94 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 604_1826

Survey Summary

Survey Position: 040° 46' 38.036" N, 73° 56' 18.859" W
Least Depth: 11.22 m
Timestamp: 2004-213.18:31:22.033 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 604_1826
Profile/Beam: 2618/94
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/604_1826	2618/94	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

37ft (12339_1, 12341_1, 12327_1, 12363_1)

6fm (12300_1, 13006_1, 13003_1, 14500_1)

11.2m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Chart present survey soundings in the immediate area.

1.14) Profile/Beam - 188/63 from b410_tj_04_h11353a / 1005_mb / 2004-214 / 316_1809

Survey Summary

Survey Position: 040° 43' 10.020" N, 73° 57' 59.552" W
Least Depth: 13.66 m
Timestamp: 2004-214.18:09:41.474 (08/01/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-214 / 316_1809
Profile/Beam: 188/63
Charts Affected: 12338_1, 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Disproved. The dolphin was not found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-214/316_1809	188/63	0.00	000.0	Primary
ChartGPs - ENC US5NY11M	AToN 27	4.48	176.9	Secondary (grouped)

Hydrographer Recommendations

Remove charted Subm dol at the charted position. Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

45ft (12338_1, 12335_1, 12327_1, 12363_1)

7 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

13.6m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - Disproved. The dolphin was not found.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Delete Subm dol and chart present survey soundings.

1.15) Profile/Beam - 1753/25 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923

Survey Summary

Survey Position: 040° 42' 31.322" N, 73° 59' 17.828" W
Least Depth: 11.77 m
Timestamp: 2004-216.19:26:11.505 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923
Profile/Beam: 1753/25
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The extent of ruins was observed.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1753/25	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1733/38	9.86	205.2	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1737/68	15.86	179.0	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1796/43	18.71	104.1	Secondary (grouped)

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

38ft (12335_1, 12327_1, 12326_1, 12363_1)

6 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

11.7m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)

Attributes: CATSLC - 4:pier (jetty)

COND TN - 2:ruined

INFORM - The extent of ruins was observed.

Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - The extent of ruins was observed.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. Extend and update the furthest extent of the charted ruins.

1.16) Profile/Beam - 1796/43 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923

Survey Summary

Survey Position: 040° 42' 31.470" N, 73° 59' 18.605" W
Least Depth: 12.21 m
Timestamp: 2004-216.19:26:15.384 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923
Profile/Beam: 1796/43
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The extent of ruins was observed.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1753/25	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1733/38	9.86	205.2	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1737/68	15.86	179.0	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1796/43	18.71	104.1	Secondary (grouped)

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

40ft (12335_1, 12327_1, 12326_1, 12363_1)

6 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

12.2m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)

Attributes: CATSLC - 4:pier (jetty)

COND TN - 2:ruined

INFORM - The extent of ruins was observed.

Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - The extent of ruins was observed.

QUASOU - 6:least depth known

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

Office Notes

Concur. Extend and update the furthest extent of the charted ruins.

1.17) Profile/Beam - 1898/79 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923

Survey Summary

Survey Position: 040° 42' 31.516" N, 73° 59' 20.271" W
Least Depth: 11.10 m
Timestamp: 2004-216.19:26:24.734 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923
Profile/Beam: 1898/79
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The extent of ruins was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	1898/79	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

36ft (12335_1, 12327_1, 12326_1, 12363_1)

6fm (12300_1, 13006_1, 13003_1, 14500_1)

11.1m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - The extent of ruins was found.
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - The extent of ruins was found.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. Extend and update the furthest extent of the charted ruins.

1.18) Profile/Beam - 547/101 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 313_2106

Survey Summary

Survey Position: 040° 42' 37.792" N, 73° 58' 13.435" W
Least Depth: 3.32 m
Timestamp: 2004-216.21:07:44.531 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 313_2106
Profile/Beam: 547/101
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The extent of ruin was observed.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/313_2106	547/101	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

11ft (12335_1, 12327_1, 12326_1, 12363_1)
 1 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)
 3.3m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - The extent of ruin was observed.
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - The extent of ruin was observed.

QUASOU - 6:least depth known
STATUS - 1:permanent
TECSOU - 3:found by multi-beam

Office Notes

Concur. Extend and update the furthest extent of the charted ruins.

1.19) Profile/Beam - 823/52 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 313_2106

Survey Summary

Survey Position: 040° 42' 40.695" N, 73° 58' 12.535" W
Least Depth: 6.05 m
Timestamp: 2004-216.21:08:09.744 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 313_2106
Profile/Beam: 823/52
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The extent of ruins was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/313_2106	823/52	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

20ft (12335_1, 12327_1, 12326_1, 12363_1)
 3 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)
 6.0m (5161_1)

S-57 Data

Geo object 1: Mooring/warping facility (MORFAC)
Attributes: CONDTN - 2:ruined
 INFORM - The extent of ruins was found.
 WATLEV - 3:always under water/submerged
Geo object 2: Shoreline Construction (SLCONS)
Attributes: CONDTN - 2:ruined

Geo object 3: INFORM - The extent of ruins was found.
 Sounding (SOUNDG)
Attributes: INFORM - The extent of ruins was found.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Extend and update the furthest extent of the charted ruins.

1.20) Profile/Beam - 1015/92 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 418_1345

Survey Summary

Survey Position: 040° 46' 56.405" N, 73° 56' 19.815" W
Least Depth: 8.39 m
Timestamp: 2004-216.13:47:11.414 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 418_1345
Profile/Beam: 1015/92
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling over charted 44 was found. Item appears to be a rock.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/418_1345	1015/92	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on a rock as per digital data.

Cartographically-Rounded Depth (Affected Charts):

27ft (12339_1, 12341_1, 12327_1, 12363_1)

4 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

8.4m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - Shoaling over charted 44 was found. Item appears to be a rock.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 8.389 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart a 27 Rk.

1.21) Profile/Beam - 388/97 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 017_1433

Survey Summary

Survey Position: 040° 42' 40.589" N, 73° 58' 12.110" W
Least Depth: 0.40 m
Timestamp: 2004-217.14:33:34.866 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 017_1433
Profile/Beam: 388/97
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A one foot sounding was found. After final tides this may bare or be awash.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/017_1433	388/97	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

1ft (12335_1, 12327_1, 12326_1, 12363_1)
 0 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)
 .4m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - A one foot sounding was found. After final tides this may bare or be awash.
 STATUS - 1:permanent
 WATLEV - 5:awash

Geo object 2: Sounding (SOUNDG)
Attributes: EXPSOU - 2:shoaler than range of depth of the surrounding depth area
INFORM - A one foot sounding was found. After final tides this may bare or be awash.
QUASOU - 6:least depth known
STATUS - 1:permanent
TECSOU - 3:found by multi-beam
VERDAT - 12:Mean lower low water

Office Notes

Concur. Extend and update the furthest extent of the charted ruins.

1.22) Profile/Beam - 28/1 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 017_1433

Survey Summary

Survey Position: 040° 42' 44.180" N, 73° 58' 09.929" W
Least Depth: 2.01 m
Timestamp: 2004-217.14:33:00.849 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 017_1433
Profile/Beam: 28/1
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The extent of ruins was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/017_1433	28/1	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

6ft (12335_1, 12327_1, 12326_1, 12363_1)
 1fm (12300_1, 13006_1, 13003_1, 14500_1)
 2.0m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - The extent of ruins was found.
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - The extent of ruins was found.

QUASOU - 6:least depth known
STATUS - 1:permanent
TECSOU - 3:found by multi-beam

Office Notes

Do not concur. The existing ruins are adequately charted, update depth contours and chart present survey soundings.

1.23) Profile/Beam - 277/52 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 017_1433

Survey Summary

Survey Position: 040° 42' 41.555" N, 73° 58' 11.392" W
Least Depth: 5.59 m
Timestamp: 2004-217.14:33:24.523 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 017_1433
Profile/Beam: 277/52
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

The extent of ruins was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/017_1433	277/52	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

18ft (12335_1, 12327_1, 12326_1, 12363_1)

3fm (12300_1, 13006_1, 13003_1, 14500_1)

5.6m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - The extent of ruins was found.
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - The extent of ruins was found.

QUASOU - 6:least depth known
STATUS - 1:permanent
TECSOU - 3:found by multi-beam

Office Notes

Concur. Extend and update the furthest extent of the charted ruins.

1.24) Profile/Beam - 4230/77 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 147_1624

Survey Summary

Survey Position: 040° 45' 36.187" N, 73° 56' 51.772" W
Least Depth: 6.28 m
Timestamp: 2004-217.16:30:31.683 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 147_1624
Profile/Beam: 4230/77
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/147_1624	4230/77	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

20ft (12335_1, 12339_1, 12327_1, 12363_1)

3 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

6.3m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Chart a shoal depth of 20 ft.

1.25) Profile/Beam - 3850/13 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 147_1624

Survey Summary

Survey Position: 040° 45' 31.812" N, 73° 56' 56.256" W
Least Depth: 5.91 m
Timestamp: 2004-217.16:29:57.034 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 147_1624
Profile/Beam: 3850/13
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/147_1624	3850/13	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

19ft (12335_1, 12339_1, 12327_1, 12363_1)
 3 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)
 5.9m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Chart a shoal depth of 19 ft.

1.26) Profile/Beam - 1247/16 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 166_1311

Survey Summary

Survey Position: 040° 46' 27.818" N, 73° 56' 18.684" W
Least Depth: 16.60 m
Timestamp: 2004-217.13:14:09.802 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 166_1311
Profile/Beam: 1247/16
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/166_1311	1247/16	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

54ft (12339_1, 12341_1, 12327_1, 12363_1)

9fm (12300_1, 13006_1, 13003_1, 14500_1)

16.6m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Chart a shoal depth of 54 ft.

1.27) Profile/Beam - 688/91 from b410_tj_04_h11353a / 1005_mb / 2004-211 / 324_1939

Survey Summary

Survey Position: 040° 42' 23.317" N, 73° 59' 56.171" W
Least Depth: 8.92 m
Timestamp: 2004-211.19:40:05.248 (07/29/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-211 / 324_1939
Profile/Beam: 688/91
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Extent of Un-charted ruins was observed.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-211/324_1939	688/91	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

29ft (12335_1, 12327_1, 12326_1, 12363_1)
 4 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)
 8.9m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Extent of Un-charted ruins was observed.
 WATLEV - 3:always under water/submerged
Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - Extent of Un-charted ruins was observed.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.28) Profile/Beam - 5788/56 from b410_tj_04_h11353a / 1005_mb / 2004-211 / 324_1939

Survey Summary

Survey Position: 040° 41' 58.287" N, 74° 00' 39.559" W
Least Depth: 5.28 m
Timestamp: 2004-211.19:47:51.051 (07/29/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-211 / 324_1939
Profile/Beam: 5788/56
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:
 One of four Obstns.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-211/324_1939	5788/56	0.00	000.0	Primary

Hydrographer Recommendations

Chart Sounding on an Obstruction with Obstns text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

17ft (12334_1, 12335_1, 12327_1, 12326_1, 12363_1)
 2 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)
 5.3m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - One of four Obstns.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 5.28 m

VERDAT - 11:Nearly lowest low water

WATLEV - 3:always under water/submerged

Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - One of four Obstns.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. Chart 17 Obstns.

1.29) Profile/Beam - 1889/7 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225

Survey Summary

Survey Position: 040° 42' 20.606" N, 74° 00' 01.413" W
Least Depth: 7.62 m
Timestamp: 2004-212.12:28:09.606 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225
Profile/Beam: 1889/7
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un-charted ruins were found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/320_1225	1889/7	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-212/320_1225	1888/16	6.77	313.1	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-212/320_1225	1923/23	17.97	263.9	Secondary (grouped)

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

25ft (12335_1, 12327_1, 12326_1, 12363_1)

4fm (12300_1, 13006_1, 13003_1, 14500_1)

7.6m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Un-charted ruins were found.

Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - Un-charted ruins were found.
QUASOU - 6:least depth known
TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.30) Profile/Beam - 2123/77 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225

Survey Summary

Survey Position: 040° 42' 22.167" N, 73° 59' 58.240" W
Least Depth: 8.41 m
Timestamp: 2004-212.12:28:31.010 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225
Profile/Beam: 2123/77
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un-charted ruins were found. pier ruins, northern corner, see also contact 320_1225-2062/85.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/320_1225	2123/77	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

27ft (12335_1, 12327_1, 12326_1, 12363_1)
 4 ½fm (12300_1, 13006_1, 13003_1, 14500_1)
 8.4m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Un-charted ruins were found. pier ruins, northern corner, see also contact 320_1225-2062/85.
 WATLEV - 3:always under water/submerged

Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - Un-charted ruins were found. pier ruins, northern corner, see also contact 320_1225-2062/85.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.31) Profile/Beam - 2339/65 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225

Survey Summary

Survey Position: 040° 42' 23.752" N, 73° 59' 55.663" W
Least Depth: 7.53 m
Timestamp: 2004-212.12:28:50.679 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225
Profile/Beam: 2339/65
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

un-charted ruins were found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/320_1225	2339/65	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

24ft (12335_1, 12327_1, 12326_1, 12363_1)

4fm (12300_1, 13006_1, 13003_1, 14500_1)

7.5m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - un-charted ruins were found.
 WATLEV - 3:always under water/submerged
Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - un-charted ruins were found.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.32) Profile/Beam - 3022/27 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225

Survey Summary

Survey Position: 040° 42' 27.386" N, 73° 59' 45.596" W
Least Depth: 9.58 m
Timestamp: 2004-212.12:29:53.089 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225
Profile/Beam: 3022/27
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un-charted ruins were found

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/320_1225	3022/27	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

31ft (12335_1, 12327_1, 12326_1, 12363_1)
 5 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)
 9.6m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Un-charted ruins were found
 WATLEV - 3:always under water/submerged
Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - Un-charted ruins were found
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.33) Profile/Beam - 3213/43 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225

Survey Summary

Survey Position: 040° 42' 28.208" N, 73° 59' 42.616" W
Least Depth: 7.29 m
Timestamp: 2004-212.12:30:10.543 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225
Profile/Beam: 3213/43
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un-charted ruins were found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/320_1225	3213/43	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

24ft (12335_1, 12327_1, 12326_1, 12363_1)

4fm (12300_1, 13006_1, 13003_1, 14500_1)

7.3m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Un-charted ruins were found.
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - Un-charted ruins were found.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.34) Profile/Beam - 3553/78 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225

Survey Summary

Survey Position: 040° 42' 28.990" N, 73° 59' 36.814" W
Least Depth: 8.58 m
Timestamp: 2004-212.12:30:41.574 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 320_1225
Profile/Beam: 3553/78
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un-charted ruins were found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/320_1225	3553/78	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

28ft (12335_1, 12327_1, 12326_1, 12363_1)
 4 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)
 8.6m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Un-charted ruins were found.
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - Un-charted ruins were found.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.35) Profile/Beam - 616/76 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 396_1317

Survey Summary

Survey Position: 040° 42' 08.675" N, 74° 01' 11.502" W
Least Depth: 7.97 m
Timestamp: 2004-213.13:18:15.671 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 396_1317
Profile/Beam: 616/76
Charts Affected: 12335_1, 12337_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling was found with chart. It appears to be an item that has silted over.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/396_1317	616/76	0.00	000.0	Primary

Hydrographer Recommendations

Chart a sounding on an obstruction, with Obstrn text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

26ft (12335_1, 12337_1, 12327_1, 12326_1, 12363_1)

4 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

7.9m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - Shoaling was found with chart. It appears to be an item that has silted over.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 7.97 m

VERDAT - 12:Mean lower low water

Office Notes

Concur. Chart a 26 Obstn.

1.36) Profile/Beam - 902/15 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 605_1844

Survey Summary

Survey Position: 040° 46' 47.335" N, 73° 55' 35.103" W
Least Depth: 15.77 m
Timestamp: 2004-213.18:46:17.633 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 605_1844
Profile/Beam: 902/15
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A sounding over a feature was found. The signature appears to be man made and is inconsistent with the the surrounding geology. This is the shoalest of a group of four features.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/605_1844	902/15	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-213/615_1813	731/91	11.01	292.2	Secondary

Hydrographer Recommendations

Chart a sounding on an obstruction, with Obstns text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

51ft (12339_1, 12327_1, 12363_1)

8 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

15.7m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)

Attributes: INFORM - A sounding over a feature was found. The signature appears to be man made and is inconsistent with the the surrounding geology. This is the shoalest of a group of four features.

NATCON - 4:hard surfaced

QUASOU - 1:depth known

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 15.77 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. These features (group of four) are bridge pilings. Chart a 51 Obstns.

1.37) Profile/Beam - 4728/14 from b410_tj_04_h11353a / 1005_mb / 2004-214 / 601_2106

Survey Summary

Survey Position: 040° 45' 36.062" N, 73° 57' 20.866" W
Least Depth: 13.79 m
Timestamp: 2004-214.21:14:07.903 (08/01/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-214 / 601_2106
Profile/Beam: 4728/14
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

There was a shoaling discrepancy with the chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-214/601_2106	4728/14	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

45ft (12335_1, 12339_1, 12327_1, 12363_1)

7 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

13.8m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - There was a shoaling discrepancy with the chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. Chart a shoal depth of 45 ft.

1.38) Profile/Beam - 273/89 from b410_tj_04_h11353a / 1005_mb / 2004-215 / 137_1904

Survey Summary

Survey Position: 040° 44' 54.719" N, 73° 57' 54.281" W
Least Depth: 13.87 m
Timestamp: 2004-215.19:04:27.708 (08/02/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-215 / 137_1904
Profile/Beam: 273/89
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A wreck was found and appears to be hull remains. Item covered with 100% SSS and 100% MBES.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-215/137_1904	273/89	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-215/095_1818	2819/28	15.35	215.3	Secondary (grouped)

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

45ft (12335_1, 12327_1, 12363_1)

7 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

13.8m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 2:dangerous wreck

INFORM - A wreck was found and appears to be hull remains. Item covered with 100% SSS and 100% MBES.

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 13.87 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart a dangerous 45 Wk.

1.39) Profile/Beam - 1413/77 from b410_tj_04_h11353a / 1005_mb / 2004-215 / 238_1929

Survey Summary

Survey Position: 040° 46' 25.232" N, 73° 56' 34.136" W
Least Depth: 14.38 m
Timestamp: 2004-215.19:31:56.041 (08/02/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-215 / 238_1929
Profile/Beam: 1413/77
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A large Wreck was found 34 meters (129 feet) long oriented from 220 to 040 degrees true in the East River Channel.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-215/238_1929	1413/77	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-215/238_1929	1461/74	9.38	208.4	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-214/603_1948	1607/23	14.01	044.3	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-215/238_1929	1349/81	20.55	044.0	Secondary (grouped)

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

47ft (12339_1, 12341_1, 12327_1, 12363_1)

7 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

14.4m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 2:dangerous wreck

INFORM - A large Wreck was found 34 meters (129 feet) long oriented from 220 to 040 degrees true in the East River Channel.

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 14.38 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart a dangerous 47 Wk.

1.40) Profile/Beam - 2593/81 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923

Survey Summary

Survey Position: 040° 42' 30.175" N, 73° 59' 31.243" W
Least Depth: 7.86 m
Timestamp: 2004-216.19:27:28.181 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923
Profile/Beam: 2593/81
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un-charted ruins were found

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	2593/81	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

26ft (12335_1, 12327_1, 12326_1, 12363_1)
 4 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)
 7.8m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Un-charted ruins were found
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - Un-charted ruins were found

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.41) Profile/Beam - 2804/51 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923

Survey Summary

Survey Position: 040° 42' 29.541" N, 73° 59' 34.351" W
Least Depth: 8.50 m
Timestamp: 2004-216.19:27:47.439 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 310_1923
Profile/Beam: 2804/51
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un-charted ruins were found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/310_1923	2804/51	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Un-charted ruins were found.
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - Un-charted ruins were found.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.42) Profile/Beam - 1425/83 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 403_1443

Survey Summary

Survey Position: 040° 46' 58.549" N, 73° 56' 31.677" W
Least Depth: 16.79 m
Timestamp: 2004-216.14:46:00.501 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 403_1443
Profile/Beam: 1425/83
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un charted Wrecks were found. Appears to be several barges stacked on top of one another.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/403_1443	1425/83	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on wreck with Wks text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

55ft (12339_1, 12341_1, 12327_1, 12363_1)

9fm (12300_1, 13006_1, 13003_1, 14500_1)

16.8m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 2:dangerous wreck

INFORM - Un charted Wrecks were found. Appears to be several barges stacked on top of one another.

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 16.788 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. Only one wreck was identified upon office review. Chart a dangerous 55 Wk.

1.43) Profile/Beam - 1134/53 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 403_1443

Survey Summary

Survey Position: 040° 46' 56.179" N, 73° 56' 34.072" W
Least Depth: 11.30 m
Timestamp: 2004-216.14:45:32.280 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 403_1443
Profile/Beam: 1134/53
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Uncharted ruins was observed.

Located pier ruins during office processing, northern corner, see also contact 403_1443-1186/62.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/403_1443	1134/53	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-216/405_1311	2707/101	15.97	125.8	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-216/403_1443	1186/62	16.45	209.3	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-216/403_1443	1193/24	20.70	174.9	Secondary (grouped)

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

Cartographically-Rounded Depth (Affected Charts):

37ft (12339_1, 12341_1, 12327_1, 12363_1)

6fm (12300_1, 13006_1, 13003_1, 14500_1)

11.3m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)

Attributes: CATSLC - 4:pier (jetty)

CONDTN - 2:ruined

INFORM - Uncharted ruins was observed. Located pier ruins during office processing, northern corner, see also contact 403_1443-1186/62.

Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - Uncharted ruins was observed. Located pier ruins during office processing, northern corner, see also contact 403_1443-1186/62.

QUASOU - 6:least depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.44) Profile/Beam - 1214/88 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 403_1443

Survey Summary

Survey Position: 040° 46' 56.456" N, 73° 56' 32.586" W
Least Depth: 19.76 m
Timestamp: 2004-216.14:45:39.818 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 403_1443
Profile/Beam: 1214/88
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

An un-charted wreck was found. Appears to be silted over barge.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/403_1443	1214/88	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on wreck as per digital data.

Cartographically-Rounded Depth (Affected Charts):

65ft (12339_1, 12341_1, 12327_1, 12363_1)

10 ³/₄fm (12300_1, 13006_1, 13003_1, 14500_1)

19.7m (5161_1)

S-57 Data

[None]

Office Notes

Do not concur. Wreck depth is insignificant.

1.45) Profile/Beam - 1569/90 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 403_1443

Survey Summary

Survey Position: 040° 46' 59.850" N, 73° 56' 30.595" W
Least Depth: 14.99 m
Timestamp: 2004-216.14:46:15.434 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 403_1443
Profile/Beam: 1569/90
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Appears to be small Wreck

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/403_1443	1569/90	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on wreck as per digital data.

Cartographically-Rounded Depth (Affected Charts):

49ft (12339_1, 12341_1, 12327_1, 12363_1)

8 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

15.0m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CONVIS - 2:not visual conspicuous
 INFORM - Appears to be small Wreck
 TECSOU - 3:found by multi-beam
 VALSOU - 14.995 m
 VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart a 49 Wk.

1.46) Profile/Beam - 2316/2 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 405_1311

Survey Summary

Survey Position: 040° 46' 57.974" N, 73° 56' 29.833" W
Least Depth: 21.45 m
Timestamp: 2004-216.13:14:51.730 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 405_1311
Profile/Beam: 2316/2
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

An uncharted wreck was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/405_1311	2316/2	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on wreck as per digital data.

Cartographically-Rounded Depth (Affected Charts):

70ft (12339_1, 12341_1, 12327_1, 12363_1)

11fm (12300_1, 13006_1, 13003_1, 14500_1)

21m (5161_1)

S-57 Data

[None]

Office Notes

Do not concur. This is one end of the nearby 61 Wk.

1.47) Profile/Beam - 2672/10 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 406_1324

Survey Summary

Survey Position: 040° 46' 58.673" N, 73° 56' 29.740" W
Least Depth: 18.59 m
Timestamp: 2004-216.13:28:38.205 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 406_1324
Profile/Beam: 2672/10
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

This is the most prominent wreck in the area. There is a group of similar wrecks clustered southwest of it, but are insignificant height and silting over.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/406_1324	2672/10	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-216/405_1311	2451/6	8.21	213.9	Secondary (grouped)
b410_tj_04_h11353a/1005_mb/2004-216/405_1311	2378/3	13.04	271.5	Secondary (grouped)

Hydrographer Recommendations

Chart sounding on wreck as per digital data.

Cartographically-Rounded Depth (Affected Charts):

61ft (12339_1, 12341_1, 12327_1, 12363_1)

10fm (12300_1, 13006_1, 13003_1, 14500_1)

18.6m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)

Attributes: CATWRK - 1:non-dangerous wreck

INFORM - This is the most prominent wreck in the area. There is a group of similar wrecks clustered southwest of it, but are insignificant height and silting over.

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 18.589 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. This is the shoalest sounding on this wreck. Chart a 61 Wk.

1.48) Profile/Beam - 2745/17 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 407_1501

Survey Summary

Survey Position: 040° 46' 47.651" N, 73° 56' 26.885" W
Least Depth: 10.88 m
Timestamp: 2004-216.15:05:28.037 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 407_1501
Profile/Beam: 2745/17
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

An Obstn was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/407_1501	2745/17	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

35ft (12339_1, 12341_1, 12327_1, 12363_1)

6fm (12300_1, 13006_1, 13003_1, 14500_1)

10.9m (5161_1)

S-57 Data

[None]

Office Notes

Do not concur. Shoaler soundings in the common area. Chart present survey soundings.

1.49) Profile/Beam - 950/61 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 412_1626

Survey Summary

Survey Position: 040° 46' 52.932" N, 73° 56' 02.014" W
Least Depth: 7.22 m
Timestamp: 2004-216.16:27:42.165 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 412_1626
Profile/Beam: 950/61
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

An Obstruction was found by use of Reson 8101 MBES.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/412_1626	950/61	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

23ft (12339_1, 12327_1, 12363_1)

4fm (12300_1, 13006_1, 13003_1, 14500_1)

7.2m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - An Obstruction was found by use of Reson 8101 MBES.
 QUASOU - 6:least depth known
 TECSOU - 3:found by multi-beam
 VALSOU - 7.220 m
 VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart a 23 Obstn.

1.50) Profile/Beam - 1119/91 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 416_1341

Survey Summary

Survey Position: 040° 46' 56.133" N, 73° 56' 17.175" W
Least Depth: 6.34 m
Timestamp: 2004-216.13:43:40.874 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 416_1341
Profile/Beam: 1119/91
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A rock was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/416_1341	1119/91	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

21ft (12339_1, 12341_1, 12327_1, 12363_1)

3 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

6.3m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - A rock was found.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 2:found by side scan sonar; 3:found by multi-beam
 VALSOU - 6.342 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Multiple rocks in the area, chart a 21 Rks.

1.51) Profile/Beam - 938/93 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 418_1345

Survey Summary

Survey Position: 040° 46' 56.757" N, 73° 56' 19.275" W
Least Depth: 7.94 m
Timestamp: 2004-216.13:47:04.416 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 418_1345
Profile/Beam: 938/93
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy noted with chart, appears to be a rock.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/418_1345	938/93	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

26ft (12339_1, 12341_1, 12327_1, 12363_1)

4 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

7.9m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)

Attributes: INFORM - Shoaling discrepancy noted with chart, appears to be a rock.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Concur. Multiple rocks in the area, chart a 26 Rks.

1.52) Profile/Beam - 692/5 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 422_1400

Survey Summary

Survey Position: 040° 46' 57.589" N, 73° 56' 19.532" W
Least Depth: 7.38 m
Timestamp: 2004-216.14:01:58.550 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 422_1400
Profile/Beam: 692/5
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy with chart. Appears to be a rock.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/422_1400	692/5	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

24ft (12339_1, 12341_1, 12327_1, 12363_1)

4fm (12300_1, 13006_1, 13003_1, 14500_1)

7.4m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - Shoaling discrepancy with chart. Appears to be a rock.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 7.385 m

VERDAT - 12:Mean lower low water

Office Notes

Concur. Multiple rocks in the area, chart a 24 Rks.

1.53) Profile/Beam - 1142/18 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 438_1425

Survey Summary

Survey Position: 040° 46' 53.328" N, 73° 56' 33.133" W
Least Depth: 18.17 m
Timestamp: 2004-216.14:27:14.053 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 438_1425
Profile/Beam: 1142/18
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

An obstruction was found

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/438_1425	1142/18	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

59ft (12339_1, 12341_1, 12327_1, 12363_1)
 9 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)
 18.1m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - An obstruction was found
 NATCON - 4:hard surfaced
 QUASOU - 1:depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam

VALSOU - 18.172 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart a 59 Obstn.

1.54) Profile/Beam - 28/17 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 440_1427

Survey Summary

Survey Position: 040° 46' 54.243" N, 73° 56' 35.246" W
Least Depth: 7.97 m
Timestamp: 2004-216.14:28:00.482 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 440_1427
Profile/Beam: 28/17
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

An Obstruction was found outside of 30 ft curve.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/440_1427	28/17	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

26ft (12339_1, 12341_1, 12327_1, 12363_1)

4 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

7.9m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: EXPSOU - 2:shoaler than range of depth of the surrounding depth area
 INFORM - An Obstruction was found outside of 30 ft curve.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam

VERDAT - 12:Mean lower low water

Office Notes

Do not concur. No obstruction is present. Chart updated depth contours and present survey soundings.

1.55) Profile/Beam - 793/54 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 488_1551

Survey Summary

Survey Position: 040° 46' 38.596" N, 73° 56' 28.760" W
Least Depth: 12.17 m
Timestamp: 2004-216.15:52:56.605 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 488_1551
Profile/Beam: 793/54
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A wreck was found 22m long.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/488_1551	793/54	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-216/493_1642	845/74	19.95	276.4	Secondary (grouped)

Hydrographer Recommendations

Chart sounding on a wreck with WK text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

40ft (12339_1, 12341_1, 12327_1, 12363_1)

6 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

12.1m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CONVIS - 2:not visual conspicuous
 INFORM - A wreck was found 22m long.
 TECSOU - 3:found by multi-beam
 VALSOU - 12.172 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart a dangerous 40 Wk.

1.56) Profile/Beam - 378/23 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 916_2243

Survey Summary

Survey Position: 040° 46' 35.351" N, 73° 56' 20.261" W
Least Depth: 24.96 m
Timestamp: 2004-216.22:44:12.699 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 916_2243
Profile/Beam: 378/23
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A wreck was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/916_2243	378/23	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on a wreck with Wk text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

82ft (12339_1, 12341_1, 12327_1, 12363_1)

13fm (12300_1, 13006_1, 13003_1, 14500_1)

25m (5161_1)

S-57 Data

Geo object 1: Wreck (WRECKS)
Attributes: CATWRK - 1:non-dangerous wreck
 CONVIS - 2:not visual conspicuous
 INFORM - A wreck was found.
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam

VALSOU - 24.961 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart an 82 Wk.

1.57) Profile/Beam - 408/71 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 917_2248

Survey Summary

Survey Position: 040° 46' 57.904" N, 73° 56' 20.143" W
Least Depth: 7.84 m
Timestamp: 2004-216.22:49:09.206 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 917_2248
Profile/Beam: 408/71
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A rock was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/917_2248	408/71	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

25ft (12339_1, 12341_1, 12327_1, 12363_1)

4 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

7.8m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - A rock was found.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Do not concur. Multiple rocks in the area, chart a 25 Rks.

1.58) Profile/Beam - 370/77 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 007_1456

Survey Summary

Survey Position: 040° 42' 28.507" N, 73° 59' 39.667" W
Least Depth: 7.73 m
Timestamp: 2004-217.14:56:58.225 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 007_1456
Profile/Beam: 370/77
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Un-charted ruins were found

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/007_1456	370/77	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data. Encompass with symbol for ruins. It is recommended that this position defining the furthest and shoalest point of the ruins be charted.

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 INFORM - Un-charted ruins were found
Geo object 2: Sounding (SOUNDG)
Attributes: INFORM - Un-charted ruins were found
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur w/clarification. Revise contours and chart present survey soundings.

1.59) Profile/Beam - 653/89 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 615_1813

Survey Summary

Survey Position: 040° 46' 48.251" N, 73° 55' 33.015" W
Least Depth: 17.16 m
Timestamp: 2004-213.18:15:03.624 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 615_1813
Profile/Beam: 653/89
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A sounding over a feature was found. The signature appears to be man made and is inconsistent with the surrounding geology.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/615_1813	653/89	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on an Obstrn as per digital data.

Cartographically-Rounded Depth (Affected Charts):

56ft (12339_1, 12327_1, 12363_1)

9 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

17.1m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)

Attributes: INFORM - A sounding over a feature was found. The signature appears to be man made and is inconsistent with the surrounding geology.

NATCON - 4:hard surfaced

QUASOU - 1:depth known

STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 17.16 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Concur. Chart a 56 Obstn.

1.60) Profile/Beam - 130/6 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 417_1331

Survey Summary

Survey Position: 040° 46' 48.965" N, 73° 56' 31.831" W
Least Depth: 12.91 m
Timestamp: 2004-216.13:31:49.639 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 417_1331
Profile/Beam: 130/6
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

An Obstn was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/417_1331	130/6	0.00	000.0	Primary

Hydrographer Recommendations

Chart a sounding on an Obstn with Obstn text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

42ft (12339_1, 12341_1, 12327_1, 12363_1)

7fm (12300_1, 13006_1, 13003_1, 14500_1)

12.9m (5161_1)

S-57 Data

[None]

Office Notes

Do not concur. Upon office review a rock was located with a least depth of 42 ft. but in a different location. See AHB Features 1.19 - contact 418_1345-2226/45

1.61) Profile/Beam - 932/14 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 392_1321

Survey Summary

Survey Position: 040° 42' 08.190" N, 74° 01' 12.871" W
Least Depth: 9.95 m
Timestamp: 2004-213.13:22:40.533 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 392_1321
Profile/Beam: 932/14
Charts Affected: 12335_1, 12337_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

An obstruction was found. Appears to be silted over on one side.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/392_1321	932/14	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on an Obstruction with Obstn text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

32ft (12335_1, 12337_1, 12327_1, 12326_1, 12363_1)

5 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

9.9m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)

Attributes: INFORM - An obstruction was found. Appears to be silted over on one side.

Office Notes

Concur. Chart a 32 Obstn.

1.62) Profile/Beam - 1156/31 from b410_tj_04_h11353a / 1005_mb / 2004-214 / 320_1528

Survey Summary

Survey Position: 040° 41' 58.918" N, 74° 00' 38.497" W
Least Depth: 6.13 m
Timestamp: 2004-214.15:30:32.558 (08/01/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-214 / 320_1528
Profile/Beam: 1156/31
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

one of four obstructions was found.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-214/320_1528	1156/31	0.00	000.0	Primary

Hydrographer Recommendations

Chart sounding on an obstruction with Obstns text as per digital data.

Cartographically-Rounded Depth (Affected Charts):

20ft (12334_1, 12335_1, 12327_1, 12326_1, 12363_1)

3 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

6.1m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - one of four obstructions was found.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 6.13 m

VERDAT - 12:Mean lower low water

Office Notes

Concur. Chart 20 Obstns.

H11353 'qua_message' features

Registry Number: H11353
State: New York
Locality: New York Harbor
Sub-locality: East River
Project Number: OPR-B410-TJ-04
Survey Dates: 07/30/2004 - 08/03/2004

Charts Affected

Number	Version	Date	Scale
12335	40th Ed.	09/01/2003	1:10000
12339	44th Ed.	10/01/2003	1:10000
12327	97th Ed.	09/01/2003	1:40000
12326	49th Ed.	06/01/2003	1:80000
12363	39th Ed.	07/15/2000	1:80000
12300	44th Ed.	07/01/2004	1:400000
13006	31st Ed.	06/01/2003	1:675000
5161	13th Ed.	10/01/2003	1:1058400
13003	47th Ed.	06/01/2003	1:1200000
14500	27th Ed.	10/01/2002	1:1500000

Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	49	Open buoy, lighted	[None]	040° 43' 24.544" N	73° 58' 04.147" W	---
1.2	52	Red buoy, lighted	[None]	040° 45' 39.494" N	73° 57' 17.370" W	---
1.3	53	Open buoy	[None]	040° 45' 08.554" N	73° 57' 48.532" W	---
1.4	180	Dolphin	[None]	040° 42' 21.581" N	73° 58' 43.597" W	---
1.5	59	Sounding	[None]	040° 44' 30.156" N	73° 58' 04.295" W	---
1.6	181	Stationary structure, floating or fixed	[None]	040° 45' 10.589" N	73° 57' 47.087" W	---
1.7	182	Stationary structure, floating or fixed	[None]	040° 45' 34.816" N	73° 57' 24.521" W	---

1.1) Profile/Beam - 6/1 from B410_TJ_04_H11353A / 1005_mb / 2004-211 / H11353_qua_message

Survey Summary

Survey Position: 040° 43' 24.544" N, 73° 58' 04.147" W
Least Depth: [None]
Timestamp: 2004-213.14:39:46.000 (07/31/2004)
DP Dataset: B410_TJ_04_H11353A / 1005_mb / 2004-211 / H11353_qua_message
Profile/Beam: 6/1
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Buoy R 18 appears to be north of station by 58 meters.

Feature Correlation

Address	Feature	Range	Azimuth	Status
B410_TJ_04_H11353A/1005_mb/2004-211/H11353_qua_message	6/1	0.00	000.0	Primary
ChartGPs - ENC US5NY1DM_B	Danger 1	95.72	011.1	Secondary (grouped)

Hydrographer Recommendations

Coast Guard to verify Position.

S-57 Data

Geo object 1: Buoy, safe water (BOYSAW)
Attributes: BOYSHP - 4:pillar
 COLOUR - 3:red
 INFORM - Buoy R 18 appears to be north of station by 58 meters.

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.2) Profile/Beam - 14/1 from B410_TJ_04_H11353A / 1005_mb / 2004-211 / H11353_qua_message

Survey Summary

Survey Position: 040° 45' 39.494" N, 73° 57' 17.370" W
Least Depth: [None]
Timestamp: 2004-214.19:57:43.000 (08/01/2004)
DP Dataset: B410_TJ_04_H11353A / 1005_mb / 2004-211 / H11353_qua_message
Profile/Beam: 14/1
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Buoy R 2 Lt is is charted as R "2FDR". Inspection shows only a "2" in a faint triangle.

Feature Correlation

Address	Feature	Range	Azimuth	Status
B410_TJ_04_H11353A/1005_mb/2004-211/H11353_qua_message	14/1	0.00	000.0	Primary

Hydrographer Recommendations

Resolve discrepancy between chart and Buoy ID.

S-57 Data

Geo object 1: Buoy, special purpose/general (BOYSPP)
Attributes: COLOUR - 3:red
 INFORM - Buoy R 2 Lt is is charted as R "2FDR". Inspection shows only a "2" in a faint triangle.
 STATUS - 8:private
Geo object 2: Light (LIGHTS)
Attributes: HEIGHT - 4 m
 INFORM - Buoy R 2 Lt is is charted as R "2FDR". Inspection shows only a "2" in a faint triangle.

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.3) Profile/Beam - 22/1 from B410_TJ_04_H11353A / 1005_mb / 2004-211 / H11353_qua_message

Survey Summary

Survey Position: 040° 45' 08.554" N, 73° 57' 48.532" W
Least Depth: [None]
Timestamp: 2004-216.17:09:32.000 (08/03/2004)
DP Dataset: B410_TJ_04_H11353A / 1005_mb / 2004-211 / H11353_qua_message
Profile/Beam: 22/1
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Buoy R 8 Lt . The charted R "8FDR" has only R "8" painted on buoy.

Feature Correlation

Address	Feature	Range	Azimuth	Status
B410_TJ_04_H11353A/1005_mb/2004-211/H11353_qua_message	22/1	0.00	000.0	Primary
ChartGPs - ENC US5NY1DM_C	AToN 6	12.52	277.7	Secondary (grouped)

Hydrographer Recommendations

Coast Guard to verify discrepancy.

S-57 Data

Geo object 1: Buoy, special purpose/general (BOYSPP)
Attributes: COLOUR - 3:red
 INFORM - Buoy R 8 Lt . The charted R "8FDR" has only R "8" painted on buoy.
 STATUS - 8:private
Geo object 2: Light (LIGHTS)
Attributes: COLOUR - 3:red
 HEIGHT - 4 m
 INFORM - Buoy R 8 Lt . The charted R "8FDR" has only R "8" painted on buoy.
 LITCHR - 2:flashing
 STATUS - 8:private

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.4) Profile/Beam - 7/1 from B410_TJ_04_H11353A / 1005_mb / 2004-214 / H11353_no_qua_message

Survey Summary

Survey Position: 040° 42' 21.581" N, 73° 58' 43.597" W
Least Depth: [None]
Timestamp: 2004-216.21:03:21.000 (08/03/2004)
DP Dataset: B410_TJ_04_H11353A / 1005_mb / 2004-214 / H11353_no_qua_message
Profile/Beam: 7/1
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A DP on a dolphin was taken. DP did not have a GPS quality message.

Feature Correlation

Address	Feature	Range	Azimuth	Status
B410_TJ_04_H11353A/1005_mb/2004-214/H11353_no_qua_message	7/1	0.00	000.0	Primary

Hydrographer Recommendations

Chart a dolphin as per digital data.

S-57 Data

Geo object 1: Mooring/Warping facility (MORFAC)
Attributes: CATMOR - 1:dolphin
 INFORM - A DP on a dolphin was taken. DP did not have a GPS quality message.

Office Notes

Concur. Chart a Dol at this location.

1.5) Profile/Beam - 17/1 from B410_TJ_04_H11353A / 1005_mb / 2004-214 / H11353_no_qua_message

Survey Summary

Survey Position: 040° 44' 30.156" N, 73° 58' 04.295" W
Least Depth: [None]
Timestamp: 2004-212.14:10:24.000 (07/30/2004)
DP Dataset: B410_TJ_04_H11353A / 1005_mb / 2004-214 / H11353_no_qua_message
Profile/Beam: 17/1
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Buoy appears to be south of station by 42 meters. Discrepancy between Charted position, Light List Position and DP. The DP on Buoy GR B Lt had no quality mess.

Feature Correlation

Address	Feature	Range	Azimuth	Status
B410_TJ_04_H11353A/1005_mb/2004-214/H11353_no_qua_message	17/1	0.00	000.0	Primary

Hydrographer Recommendations

Coast Guard to verify position.

S-57 Data

[None]

Office Notes

Defer to MCD Update Services Branch for charting recommendations for Aids to Navigation.

1.6) Profile/Beam - 2/1 from B410_TJ_04_H11353A / 1005_mb / 2004-216 / H11353_qua_message

Survey Summary

Survey Position: 040° 45' 10.589" N, 73° 57' 47.087" W
Least Depth: [None]
Timestamp: 2004-216.17:00:29.000 (08/03/2004)
DP Dataset: B410_TJ_04_H11353A / 1005_mb / 2004-216 / H11353_qua_message
Profile/Beam: 2/1
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

End Dracone. The length is 900 meters long. appx 25m east of the shore line.

Feature Correlation

Address	Feature	Range	Azimuth	Status
B410_TJ_04_H11353A/1005_mb/2004-216/H11353_qua_message	2/1	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 8:floating production, storage and off-loading vessel (FPSO)
 CONVIS - 1:visual conspicuous
 HEIGHT - 2 m
 INFORM - End Dracone. The length is 900 meters long. appx 25m east of the shore line.
 STATUS - 8:private

Office Notes

Chart (southern end) as an Obstn-boom (S-57 ENC).

1.7) Profile/Beam - 1/1 from B410_TJ_04_H11353A / 1005_mb / 2004-216 / H11353_qua_message

Survey Summary

Survey Position: 040° 45' 34.816" N, 73° 57' 24.521" W
Least Depth: [None]
Timestamp: 2004-216.16:55:40.000 (08/03/2004)
DP Dataset: B410_TJ_04_H11353A / 1005_mb / 2004-216 / H11353_qua_message
Profile/Beam: 1/1
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Start dracone. The length is 900 meters long. appx 25m east of the shore line.

Feature Correlation

Address	Feature	Range	Azimuth	Status
B410_TJ_04_H11353A/1005_mb/2004-216/H11353_qua_message	1/1	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data

S-57 Data

Geo object 1: Offshore platform (OFSPLF)
Attributes: CATOFP - 8:floating production, storage and off-loading vessel (FPSO)
 CONVIS - 1:visual conspicuous
 HEIGHT - 2 m
 INFORM - Start dracone. The length is 900 meters long. appx 25m east of the shore line.
 PICREP - Dracone
 STATUS - 8:private

Office Notes

Chart (northern end) as an Obstr-boom (S-57 ENC).

H11353 AHB Features

Registry Number: H11353
State: New York
Locality: New York Harbor
Sub-locality: East River
Project Number: OPR-B410-TJ-04
Survey Dates: 07/30/2004 - 08/16/2004

Charts Affected

Number	Version	Date	Scale
12338	9th Ed.	03/01/2003	1:5000
12334	67th Ed.	04/01/2004	1:10000
12335	40th Ed.	09/01/2003	1:10000
12339	44th Ed.	10/01/2003	1:10000
12341	26th Ed.	06/01/2003	1:10000
12327	97th Ed.	09/01/2003	1:40000
12326	49th Ed.	06/01/2003	1:80000
12363	39th Ed.	07/15/2000	1:80000
12300	44th Ed.	07/01/2004	1:400000
13006	31st Ed.	06/01/2003	1:675000
5161	13th Ed.	10/01/2003	1:1058400
13003	47th Ed.	06/01/2003	1:1200000
14500	27th Ed.	10/01/2002	1:1500000

Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	68	Obstruction	9.90 m	40.71494047° N	73.97264313° W	---
1.2	69	Obstruction	13.45 m	40.70799456° N	73.98989454° W	---
1.3	24	Rock	11.18 m	40.73173261° N	73.96758420° W	---
1.4	82	Obstruction	11.36 m	40.70666983° N	73.97946986° W	---
1.5	935/12	Obstruction	16.56 m	40.77969009° N	73.92652175° W	---

1.6	26	Rock	8.98 m	40.77795300° N	73.92918468° W	---
1.7	89	Obstruction	6.83 m	40.75567817° N	73.95343523° W	---
1.8	109	Obstruction	11.63 m	40.78289894° N	73.92241415° W	---
1.9	609/91	Rock	7.30 m	40.69978608° N	74.00960234° W	---
1.10	36A	Sounding	9.44 m	40.69954756° N	74.00965064° W	2709
1.11	115	Rock	12.09 m	40.72620242° N	73.96715637° W	---
1.12	116	Rock	13.02 m	40.72584208° N	73.96726850° W	---
1.13	129	Rock	12.06 m	40.77067741° N	73.93819685° W	---
1.14	139	Obstruction	7.90 m	40.78070331° N	73.94019722° W	---
1.15	222/99	Shoal	3.13 m	40.74864185° N	73.96235710° W	---
1.16	250/1	Shoal	6.93 m	40.74883717° N	73.96243159° W	---
1.17	776/99	Shoal	1.95 m	40.74841971° N	73.96239927° W	---
1.18	3801/95	Obstruction	7.95 m	40.74929857° N	73.95750874° W	---
1.19	717/19	Sounding	8.71 m	40.77108621° N	73.93922909° W	---
1.20	3462/93	Sounding	11.09 m	40.77730578° N	73.93811904° W	---
1.21	1193/24	Shoal	9.11 m	40.78245713° N	73.94281976° W	---
1.22	2226/45	Rock	12.91 m	40.78036091° N	73.94202323° W	---

1.1) Profile/Beam - 7948/52 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 307_1318

Survey Summary

Survey Position: 40.71494047° N, 73.97264313° W
Least Depth: 9.90 m
Timestamp: 2004-212.13:30:36.338 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 307_1318
Profile/Beam: 7948/52
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A shoaling discrepancy was found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/307_1318	7948/52	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

32ft (12335_1, 12327_1, 12326_1, 12363_1)
 5 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)
 9.9m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - A shoaling discrepancy was found with chart.
 QUASOU - 6:least depth known
 TECSOU - 3:found by multi-beam
 VALSOU - 9.90 m
 VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - A shoaling discrepancy was found with chart.

QUASOU - 1:depth known

TECSOU - 3:found by multi-beam

Office Notes

Do not concur. See E Report Charted and Uncharted Features 1).

1.2) Profile/Beam - 1042/65 from b410_tj_04_h11353a / 1005_mb / 2004-212 / 308_1235

Survey Summary

Survey Position: 40.70799456° N, 73.98989454° W
Least Depth: 13.45 m
Timestamp: 2004-212.12:36:59.667 (07/30/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-212 / 308_1235
Profile/Beam: 1042/65
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A shoaling discrepancy was found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-212/308_1235	1042/65	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

44ft (12335_1, 12327_1, 12326_1, 12363_1)

7 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

13.4m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - A shoaling discrepancy was found with chart.
 NATCON - 6:wooden
 QUASOU - 6:least depth known
 TECSOU - 2:found by side scan sonar; 3:found by multi-beam
 VALSOU - 13.45 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. See E Report Charted and Uncharted Features 2).

1.3) Profile/Beam - 3441/17 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 302_1927

Survey Summary

Survey Position: 40.73173261° N, 73.96758420° W
Least Depth: 11.18 m
Timestamp: 2004-213.19:32:33.612 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 302_1927
Profile/Beam: 3441/17
Charts Affected: 12338_1, 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A shoaling discrepancy was found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/302_1927	3441/17	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

36ft (12338_1, 12335_1, 12327_1, 12363_1)
 6fm (12300_1, 13006_1, 13003_1, 14500_1)
 11.2m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - A shoaling discrepancy was found with chart.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 11.18 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. See E Report Charted and Uncharted Features 3).

1.4) Profile/Beam - 1313/5 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 302_1928

Survey Summary

Survey Position: 40.70666983° N, 73.97946986° W
Least Depth: 11.36 m
Timestamp: 2004-213.19:47:43.038 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 302_1928
Profile/Beam: 1313/5
Charts Affected: 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A shoaling discrepancy was found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/302_1928	1313/5	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

37ft (12335_1, 12327_1, 12326_1, 12363_1)

6 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

11.3m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - A shoaling discrepancy was found with chart.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 2:found by side scan sonar; 3:found by multi-beam
 VALSOU - 11.36 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. See E Report Charted and Uncharted Features 4).

1.5) Profile/Beam - 935/12 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 605_1844

Survey Summary

Survey Position: 40.77969009° N, 73.92652175° W
Least Depth: 16.56 m
Timestamp: 2004-213.18:46:21.050 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 605_1844
Profile/Beam: 935/12
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A sounding over a feature was found. The signature appears to be man made an is inconsistent with the the surrounding geology.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/605_1844	935/12	0.00	000.0	Primary
b410_tj_04_h11353a/1005_mb/2004-213/604_1826	7572/61	9.21	321.8	Secondary

Hydrographer Recommendations

Chart an OBSTNS LD 54 feet at the surveyed position

Cartographically-Rounded Depth (Affected Charts):

54ft (12339_1, 12327_1, 12363_1)

9fm (12300_1, 13006_1, 13003_1, 14500_1)

16.5m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)

Attributes: INFORM - A sounding over a feature was found. The signature appears to be man made an is inconsistent with the the surrounding geology.

VALSOU - 16.56 m

Geo object 2: Sounding (SOUNDG)

Attributes: INFORM - A sounding over a feature was found. The signature appears to be man made an is inconsistent with the the surrounding geology.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam

Office Notes

Concur. These features (group of four) are bridge pilings. Chart a 54 Obstns.

1.6) Profile/Beam - 1453/92 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 606_1612

Survey Summary

Survey Position: 40.77795300° N, 73.92918468° W
Least Depth: 8.98 m
Timestamp: 2004-213.16:14:59.605 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 606_1612
Profile/Beam: 1453/92
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A shoaling discrepancy was found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/606_1612	1453/92	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

29ft (12339_1, 12327_1, 12363_1)

4 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

9.0m (5161_1)

S-57 Data

Geo object 1: Sounding (SOUNDG)
Attributes: INFORM - A shoaling discrepancy was found with chart.
 QUASOU - 1:depth known
 TECSOU - 3:found by multi-beam
Geo object 2: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - A shoaling discrepancy was found with chart.

QUASOU - 6:least depth known

STATUS - 1:permanent

TECSOU - 2:found by side scan sonar; 3:found by multi-beam

VALSOU - 8.98 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Upon office review this feature was determined to be the shoalest rock in a rocky area. Chart a 29 Rk.

1.7) Profile/Beam - 3700/55 from b410_tj_04_h11353a / 1005_mb / 2004-213 / 607_1542

Survey Summary

Survey Position: 40.75567817° N, 73.95343523° W
Least Depth: 6.83 m
Timestamp: 2004-213.15:48:05.572 (07/31/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-213 / 607_1542
Profile/Beam: 3700/55
Charts Affected: 12335_1, 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy was found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-213/607_1542	3700/55	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

22ft (12335_1, 12339_1, 12327_1, 12363_1)

3 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

6.8m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - Shoaling discrepancy was found with chart.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 6.83 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. See E Report DtoN 1.1)

1.8) Profile/Beam - 9524/101 from b410_tj_04_h11353a / 1005_mb / 2004-214 / 603_1948

Survey Summary

Survey Position: 40.78289894° N, 73.92241415° W
Least Depth: 11.63 m
Timestamp: 2004-214.20:24:27.125 (08/01/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-214 / 603_1948
Profile/Beam: 9524/101
Charts Affected: 12339_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

A sounding over a feature was found by use of Reson 8125 MBES. The signature appears to be man made and is inconsistent with the surrounding geology.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-214/603_1948	9524/101	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

38ft (12339_1, 12327_1, 12363_1)
 6 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)
 11.6m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - A sounding over a feature was found by use of Reson 8125 MBES. The signature appears to be man made and is inconsistent with the surrounding geology.
 NATCON - 4:hard surfaced
 QUASOU - 1:depth known
 STATUS - 1:permanent

TECSOU - 3:found by multi-beam

VALSOU - 11.63 m

WATLEV - 3:always under water/submerged

Office Notes

Upon office review, an obstruction with a least depth of 38 ft was located. Chart a dangerous 38 Obstn.

1.9) Profile/Beam - 609/91 from b410_tj_04_h11353a / 1005_mb / 2004-215 / 016_1355

Survey Summary

Survey Position: 40.69978608° N, 74.00960234° W
Least Depth: 7.30 m
Timestamp: 2004-215.13:56:37.877 (08/02/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-215 / 016_1355
Profile/Beam: 609/91
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-215/016_1355	609/91	0.00	000.0	Primary

Hydrographer Recommendations

Chart representative soundings.

Cartographically-Rounded Depth (Affected Charts):

24ft (12334_1, 12335_1, 12327_1, 12326_1, 12363_1)

4fm (12300_1, 13006_1, 13003_1, 14500_1)

7.3m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 7.30 m
 VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Upon office review two rocks were determined present in the immediate area. Chart a 24 Rks.

1.10) Profile/Beam - 659/24 from b410_tj_04_h11353a / 1005_mb / 2004-215 / 016_1355

Primary Feature for AWOIS Item #2709

Search Position: 40.69954444° N, 74.00963889° W
Historical Depth: [None]
Search Radius: 0
Search Technique: [None]
Technique Notes: [None]

History Notes:

HISTORY BP92779/75--COE; OBSTRUCTION COVERED 12.9 FT MLW H9815/80--OPR-B139-WH-80, ITEM 23; POSSIBLY FOUND AT CHARTED POS.40-41-58N, 74-00-36.2W, 18 FT SOUNDER DEPTH, NO DIVER VERIFICATION; RECOMMENDS REMAIN DANGEROUS SUBM. WK. (12 FT REP.) REPLACE CHARTED OBSTR W/12 FT DEPTH FE232/80WD--OPR-B645-RU/HE-80, ITEM 27; COE REPORTS OBSTR. TO BE AN OLD SCOW FILLED WITH STONE. COE SURVEYS SECTION AWARDED CONTRACT FOR SALVAGE ON /12/81. HYDROGRAPHER DID NOT INVESTIGATE SITE BUT REFERENCED H9815 WORK. NOTE: NOT PRESENTLY CHARTED. (UP 6/30/04, SJV)

Survey Summary

Survey Position: 40.69954756° N, 74.00965064° W
Least Depth: 9.44 m
Timestamp: 2004-215.13:56:43.069 (08/02/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-215 / 016_1355
Profile/Beam: 659/24
Charts Affected: 12334_1, 12335_1, 12327_1, 12326_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

No search radius given. Item covered with 100% MBES and 200% SSS. Nothing was found at the location. The item is disproved.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-215/016_1355	659/24	0.00	000.0	Primary
B410-04_awois	AWOIS # 2709	1.05	289.4	Secondary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

31ft (12334_1, 12335_1, 12327_1, 12326_1, 12363_1)

5fm (12300_1, 13006_1, 13003_1, 14500_1)

9.4m (5161_1)

S-57 Data

[None]

Office Notes

Do not concur. Upon office review two rocks were determined present in the immediate area. Chart the shoalest of the nearby rocks. See feature 1005_mb/2004-215/016_1355 - 609/91 (see previous feature).

1.11) Profile/Beam - 1230/83 from b410_tj_04_h11353a / 1005_mb / 2004-215 / 052_1543

Survey Summary

Survey Position: 40.72620242° N, 73.96715637° W
Least Depth: 12.09 m
Timestamp: 2004-215.15:46:02.072 (08/02/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-215 / 052_1543
Profile/Beam: 1230/83
Charts Affected: 12338_1, 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-215/052_1543	1230/83	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

39ft (12338_1, 12335_1, 12327_1, 12363_1)

6 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

12.1m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - Shoaling discrepancy found with chart.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 2:found by side scan sonar; 3:found by multi-beam
 VALSOU - 12.09 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. See E Report Charted and Uncharted Features 5).

1.12) Profile/Beam - 1327/89 from b410_tj_04_h11353a / 1005_mb / 2004-215 / 052_1543

Survey Summary

Survey Position: 40.72584208° N, 73.96726850° W
Least Depth: 13.02 m
Timestamp: 2004-215.15:46:12.133 (08/02/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-215 / 052_1543
Profile/Beam: 1327/89
Charts Affected: 12338_1, 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-215/052_1543	1327/89	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

42ft (12338_1, 12335_1, 12327_1, 12363_1)

7fm (12300_1, 13006_1, 13003_1, 14500_1)

13.0m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - Shoaling discrepancy found with chart.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 13.02 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. See E Report Charted and Uncharted Features 6).

1.13) Profile/Beam - 9477/20 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 379_2132

Survey Summary

Survey Position: 40.77067741° N, 73.93819685° W
Least Depth: 12.06 m
Timestamp: 2004-216.21:46:28.821 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 379_2132
Profile/Beam: 9477/20
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/379_2132	9477/20	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

39ft (12339_1, 12341_1, 12327_1, 12363_1)

6 ½fm (12300_1, 13006_1, 13003_1, 14500_1)

12.0m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)
Attributes: INFORM - Shoaling discrepancy found with chart.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 12.06 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. See E Report Charted and Uncharted Features 7).

1.14) Profile/Beam - 2320/7 from b410_tj_04_h11353a / 1005_mb / 2004-216 / 414_1335

Survey Summary

Survey Position: 40.78070331° N, 73.94019722° W
Least Depth: 7.90 m
Timestamp: 2004-216.13:38:53.722 (08/03/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-216 / 414_1335
Profile/Beam: 2320/7
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Shoaling discrepancy was found with chart.

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-216/414_1335	2320/7	0.00	000.0	Primary

Hydrographer Recommendations

Chart as per digital data.

Cartographically-Rounded Depth (Affected Charts):

26ft (12339_1, 12341_1, 12327_1, 12363_1)

4 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

7.9m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - Shoaling discrepancy was found with chart.
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 2:found by side scan sonar; 3:found by multi-beam
 VALSOU - 7.896 m

VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

Do not concur. See E Report Charted and Uncharted Features 8).

1.15) Profile/Beam - 222/99 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 037_1608

Survey Summary

Survey Position: 40.74864185° N, 73.96235710° W
Least Depth: 3.13 m
Timestamp: 2004-217.16:08:43.289 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 037_1608
Profile/Beam: 222/99
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/037_1608	222/99	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

10ft (12335_1, 12327_1, 12363_1)
 1 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)
 3.1m (5161_1)

S-57 Data

[None]

Office Notes

Shoal located during office processing, chart a shoal with a least depth of 10 ft.

1.16) Profile/Beam - 250/1 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 038_1607

Survey Summary

Survey Position: 40.74883717° N, 73.96243159° W
Least Depth: 6.93 m
Timestamp: 2004-217.16:07:32.688 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 038_1607
Profile/Beam: 250/1
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/038_1607	250/1	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

22ft (12335_1, 12327_1, 12363_1)

3 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)

6.9m (5161_1)

S-57 Data

[None]

Office Notes

Shoal located during office processing, chart a shoal with a least depth of 22 ft.

1.17) Profile/Beam - 776/99 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 040_1603

Survey Summary

Survey Position: 40.74841971° N, 73.96239927° W
Least Depth: 1.95 m
Timestamp: 2004-217.16:04:40.096 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 040_1603
Profile/Beam: 776/99
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/040_1603	776/99	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

6ft (12335_1, 12327_1, 12363_1)

1fm (12300_1, 13006_1, 13003_1, 14500_1)

1.9m (5161_1)

S-57 Data

[None]

Office Notes

Shoal located during office processing, chart a shoal with a least depth of 6 ft.

1.18) Profile/Beam - 3801/95 from b410_tj_04_h11353a / 1005_mb / 2004-217 / 146_1350

Survey Summary

Survey Position: 40.74929857° N, 73.95750874° W
Least Depth: 7.95 m
Timestamp: 2004-217.13:56:39.495 (08/04/2004)
Survey Line: b410_tj_04_h11353a / 1005_mb / 2004-217 / 146_1350
Profile/Beam: 3801/95
Charts Affected: 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
b410_tj_04_h11353a/1005_mb/2004-217/146_1350	3801/95	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

26ft (12335_1, 12327_1, 12363_1)

4 ¼fm (12300_1, 13006_1, 13003_1, 14500_1)

7.9m (5161_1)

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 7.95 m
 VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

During office processing an obstruction was located with a least depth of 26 ft. Chart a 26 Obstn.

1.19) Profile/Beam - 717/19 from h11353 / 1005_mb / 2004-213 / 608_1624

Survey Summary

Survey Position: 40.77108621° N, 73.93922909° W
Least Depth: 8.71 m
Timestamp: 2004-213.16:25:28.249 (07/31/2004)
Survey Line: h11353 / 1005_mb / 2004-213 / 608_1624
Profile/Beam: 717/19
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
h11353/1005_mb/2004-213/608_1624	717/19	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

28ft (12339_1, 12341_1, 12327_1, 12363_1)
 4 ¾fm (12300_1, 13006_1, 13003_1, 14500_1)
 8.7m (5161_1)

S-57 Data

[None]

Office Notes

Primary corrected contact for DtoN 1.4 (see Appendix 1, DtoNs Feature 1.4). Chart the updated extent of the 30 ft. contour line and a least depth of 28 ft.

1.20) Profile/Beam - 3462/93 from h11353 / 1005_mb / 2004-213 / 606_1612

Survey Summary

Survey Position: 40.77730578° N, 73.93811904° W
Least Depth: 11.09 m
Timestamp: 2004-213.16:18:09.809 (07/31/2004)
Survey Line: h11353 / 1005_mb / 2004-213 / 606_1612
Profile/Beam: 3462/93
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
h11353/1005_mb/2004-213/606_1612	3462/93	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

36ft (12339_1, 12341_1, 12327_1, 12363_1)

6fm (12300_1, 13006_1, 13003_1, 14500_1)

11.1m (5161_1)

S-57 Data

[None]

Office Notes

Primary contact for DtoN 1.1 (see Appendix 1, DtoNs Feature 1.1). Chart a shoal with a least depth of 36 ft.

1.21) Profile/Beam - 1193/24 from h11353 / 1005_mb / 2004-216 / 403_1443

Survey Summary

Survey Position: 40.78245713° N, 73.94281976° W
Least Depth: 9.11 m
Timestamp: 2004-216.14:45:37.877 (08/03/2004)
Survey Line: h11353 / 1005_mb / 2004-216 / 403_1443
Profile/Beam: 1193/24
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
h11353/1005_mb/2004-216/403_1443	1193/24	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

30ft (12339_1, 12341_1, 12327_1, 12363_1)

5fm (12300_1, 13006_1, 13003_1, 14500_1)

9.1m (5161_1)

S-57 Data

Geo object 1: Shoreline Construction (SLCONS)
Attributes: CATSLC - 4:pier (jetty)
 CONDTN - 2:ruined
 WATLEV - 3:always under water/submerged
Geo object 2: Sounding (SOUNDG)
Attributes: QUASOU - 6:least depth known
 TECSOU - 3:found by multi-beam

VERDAT - 12:Mean lower low water

Office Notes

Shoal depth of pier ruins. For pier ruins limits see contacts 403_1443-1186/62 and 403_1443-1134/53.

1.22) Profile/Beam - 2226/45 from h11353 / 1005_mb / 2004-216 / 418_1345

Survey Summary

Survey Position: 40.78036091° N, 73.94202323° W
Least Depth: 12.91 m
Timestamp: 2004-216.13:49:03.292 (08/03/2004)
Survey Line: h11353 / 1005_mb / 2004-216 / 418_1345
Profile/Beam: 2226/45
Charts Affected: 12339_1, 12341_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

[None]

Feature Correlation

Address	Feature	Range	Azimuth	Status
h11353/1005_mb/2004-216/418_1345	2226/45	0.00	000.0	Primary

Hydrographer Recommendations

[None]

Cartographically-Rounded Depth (Affected Charts):

42ft (12339_1, 12341_1, 12327_1, 12363_1)

7fm (12300_1, 13006_1, 13003_1, 14500_1)

12.9m (5161_1)

S-57 Data

Geo object 1: Underwater rock / awash rock (UWTROC)

Attributes: QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 3:found by multi-beam
 VALSOU - 12.910 m
 VERDAT - 12:Mean lower low water

Office Notes

Proper location of 42 Rk identified during office review. Chart a 42 Rk.



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: April 11, 2005

HYDROGRAPHIC BRANCH: Atlantic
HYDROGRAPHIC PROJECT: OPR-B410-TJ-2004
HYDROGRAPHIC SHEET: H11353

LOCALITY: Triborough Bridge to the Battery, NY

TIME PERIOD: July 29 - August 4, 2004

TIDE STATION USED: 851-8750 The Battery, NY
Lat. 40° 42'N Lon. 74° 0.9'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 1.443 meters

TIDE STATION USED: 851-8668 Horns Hook, NY
Lat. 40° 46.6'N Lon. 56.5'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 1.485 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: NY21, NY22, NT23, NY24, NY25, NY26, NY27, NY28,
NY29, NY30, NY31, NY32, NY33, NY34, NY28A, NY100

Refer to attachments for zoning information.

Note 1: Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the 1983-2001 National Tidal Datum Epoch (NTDE).

Fu

[Signature]

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



ATLANTIC HYDROGRAPHIC BRANCH EVALUATION REPORT FOR H11353 (2004)

This Evaluation Report has been written to supplement and/or clarify the original Descriptive Report. Sections in this report refer to the corresponding sections of the Descriptive Report.

B. AUTOMATED DATA ACQUISITION AND PROCESSING

EQUIPMENT

The following software was used to process data at the Atlantic Hydrographic Branch:

- MapInfo, version 6.5
- CARIS HIPS/SIPS version 5.4 service pack 1
- CARIS Field Sheet Editor 5.4 service pack 1
- CARIS BASE Editor (Beta) 0.1
- CARIS HOM 3.3 service pack 3
- PYDRO, version 5.9.0
- dKart Inspector 5.0 build 707

The field units submitted 40 cm resolution Bathymetry Associated with Statistical Error (BASE) navigation surface model. The BASE Surface model serves as bathymetric and feature presentation source for all cartographic components incorporated within the submitted Electronic Navigational Chart (ENC) exchange file. After application of final tides and initial processing, AHB generated a 2 meter final combined surface model for contour and sounding generation.

Office processing began using the CARIS Field Sheet Editor, but after experiencing difficulties creating the contours and depth areas CARIS BASE Editor was used to create soundings and contours. In BASE Editor a 2m generalized surface model was created from the 2m AHB surface at 1:10000 scale for contour and depth area creation, and a 2m generalized surface model was created at 1:5000 scale for sounding generation. Survey scale sounding data set was extracted from the full density multibeam at 1mm @ 1:5000 scale. Due to the abundance of shoals chart scale soundings were selected from the survey scale sounding data set individually and applied to the chart at 1:10000 scale.

QUALITY CONTROL

Junctions

There were no surveys to junction with H11353.

C. HORIZONTAL CONTROL

Office processing of this survey as an ENC required translating the datum to meet S-57 ENC requirements. During CARIS HOM processing the horizontal geodetic datum was translated from NAD83, UTM Zone 18, to Latitude and Longitude (LLDG) World Geodetic System-84 (WGS-84) prior to exporting the HOM file to the S-57 format. The S-57 ENC format serves as the exchange file submitted to the Marine Chart Division.

D. RESULTS AND RECOMMENDATIONS

CHART COMPARISONS

12335 40th Ed., Sep. /03

Corrected through NM Aug 30/03

Corrected through LNM Aug 19/03

12339 44th Ed., Oct. /03

Corrected through NM Oct 4/03

Corrected through LNM Sep 16/03

The charted hydrography originates with prior surveys and requires no further consideration. The hydrographer makes adequate chart comparisons in Section D. of the Descriptive Report. The following should be noted:

Dangers to Navigation (Dtons)

One Danger to Navigation (Dton) Report was submitted during office processing to the Marine Chart Division, N/CS3x1, Silver Spring, Maryland. A copy is appended to this report.

1.1) One Dton, a 34 ft. shoal depth in the vicinity of 40°46'38.27"N Latitude, 073°56'17.23"W Longitude, was submitted by the hydrographer. During office processing approved tides were applied to the survey data and the depth was recomputed to 36 feet. It is recommended the shoal sounding be revised to a depth of 36 feet.

1.2) One Dton, a 27 ft. shoal depth in the vicinity of 40°46'16.082"N Latitude, 073°56'20.874"W Longitude, was submitted by the hydrographer. During office processing approved tides were applied to the survey data and the depth was recomputed to 28 feet. It is recommended the shoal sounding be revised to a least depth of 28 feet.

1.3) A charted 22 depth (reported as DTON feature 1.5) shown on chart 12339 in 40°45'20.49" N Latitude, 073°57'12.32" W Longitude was determined during office processing to be an obstruction. The obstruction is not shown on chart 12335. It is recommended the charted 22 ft depth be changed to a dangerous 22 Obstn on chart 12339. It is recommended a dangerous 22 Obstn be charted in this location on chart 12335.

Charted and Uncharted Features

1) A 32 ft. shoal depth located by the hydrographer in the vicinity of 40°42'53.79"N Latitude, 73°58'21.51"W Longitude was determined upon office review to be an obstruction with a least depth of 32 ft. It is recommended a dangerous 32 Obstn be charted in this location.

2) A 44 ft. shoal depth located by the hydrographer in the vicinity of 40°42'28.78"N Latitude, 73°59'23.62"W Longitude was determined upon office review to be an obstruction with a least depth of 44 ft. It is recommended a dangerous 44 Obstn be charted in this location.

3) A charted dangerous 37 Obstn in the vicinity of 40°43'54.24"N Latitude, 73°58'03.30"W Longitude was determined to be a rock with a least depth of 36 ft. It is recommended a dangerous 36 Rk be charted in this location.

4) A 37 ft. shoal depth located by the hydrographer in the vicinity of 40°42'24.01"N Latitude, 73°58'46.09"W Longitude was determined upon office review to be an obstruction with a least depth of 37 ft. It is recommended a dangerous 37 Obstn be charted in this location.

5) A charted dangerous 39 Obstn in the vicinity of 40°43'34.33"N Latitude, 73°58'01.76"W Longitude was determined to be a rock with a least depth of 39 ft. It is recommended a dangerous 39 Rk be charted in this location.

6) A 42 ft. shoal depth located by the hydrographer in the vicinity of 40°43'33.03"N Latitude, 73°58'02.17"W Longitude was determined upon office review to be a rock with a least depth of 42 ft. It is recommended a dangerous 42 Rk be charted in this location.

7) A 39 ft. shoal depth located by the hydrographer in the vicinity of 40°46'14.44"N Latitude, 73°56'17.51"W Longitude was determined upon office review to be a rock with a least depth of 38 ft. It is recommended a dangerous 39 Rk be charted in this location.

8) A 26 ft. shoal depth located by the hydrographer in the vicinity of 40°46'50.53"N Latitude, 73°56'24.71"W Longitude was determined upon office review to be an obstruction with a least depth of 26 ft. It is recommended a dangerous 26 Obstn be charted in this location.

9) Shoaling is present in the vicinity of 40°45'45.06"N Latitude, 73°56'42.75"W Longitude. The area is noted to have a least depth of 20 ft (rep June 1991). It is recommended that the notation 20 ft rep June 1991 be revised to 17 ft August 2004.

10) Charted pier ruins in the vicinity of 40°42'40.82"N Latitude, 73°58'11.36"W Longitude are incorrectly charted. It is recommended the pier ruins be charted as shown on the present survey.

11) Charted pier ruins in the vicinity of 40°42'37.83"N Latitude, 73°58'13.33"W Longitude are incorrectly charted. It is recommended the limits of these pier ruins be updated as shown on the present survey.

12) Charted pier ruins in the vicinity of 40°42'31.86"N Latitude, 73°59'17.75"W Longitude are incorrectly charted. It is recommended the limits of these pier ruins be updated as shown on the present survey.

13) Charted pier ruins in the vicinity of 40°42'31.75"N Latitude, 73°59'20.94"W Longitude are incorrectly charted. It is recommended the limits of these pier ruins be updated as shown on the present survey.

14) Uncharted pier ruins were located by office personnel in the vicinity of 40°46'56.63"N Latitude, 73°56'34.14"W Longitude. It is recommended pier ruins be charted as shown on the present survey.

15) 10 dolphins charted in the survey area were not addressed by the field parties. All other dolphins on the charts fall outside the survey area and are to be retained as charted. It is recommended the following dolphins be retained as charted:

	<u>Latitude</u>	<u>Longitude</u>	<u>Feature to be retained</u>
1)	40° 41' 55.67" N	74° 00' 01.51" W	Dol
2)	40° 41' 57.77" N	74° 00' 00.10" W	Dol
3)	40° 42' 02.39" N	74° 00' 29.84" W	Dol
4)	40° 42' 01.80" N	74° 00' 31.14" W	Dol
5)	40° 43' 03.50" N	73° 58' 03.67" W	Dol
6)	40° 43' 25.86" N	73° 57' 49.11" W	Dol
7)	40° 43' 26.05" N	73° 57' 48.92" W	Dol
8)	40° 43' 26.27" N	73° 57' 48.73" W	Dol
9)	40° 43' 48.59" N	73° 57' 47.97" W	Dol
10)	40° 42' 00.48" N	74° 00' 38.95" W	Dol

The following Item can be removed from the chart:

11) 40° 43' 10.09" N 73° 57' 59.56" W Subm Dol
(This Subm Dol was disproved by the field and is no longer present)

16) A dangerous 27 Obstn charted in the vicinity of 40°44'35.66"N Latitude, 73°57'47.57"W Longitude was not addressed by the hydrographer. It is recommended the dangerous 27 Obstn be retained as charted.

17) A dangerous 29 Obstn charted in the vicinity of 40°44'36.27"N Latitude, 73°58'15.79"W Longitude was not addressed by the hydrographer. It is recommended the dangerous 29 Obstn be retained as charted.

18) Two pipelines (sewer) charted in the vicinity of 40°42'20.28"N Latitude, 73°58'37.25"W Longitude and in the vicinity of 40°43'54.61"N Latitude, 73°57'48.73"W Longitude (see Pydro feature report Item 1.2) were not addressed by the hydrographer. It is recommended these pipelines (sewer) be retained as charted.

19) A 31 Obstn (AWOIS Item 11671, see attached Pydro feature report Item 1.6) charted in the vicinity of 40°43'21.42"N Latitude, 73°58'04.93"W Longitude is no longer present in the survey area. It is recommended this charted 31 Obstn be removed from the chart.

20) Charted pier ruins in the vicinity of 40°42'43.01"N Latitude, 73°58'09.87"W Longitude were found to extend further into the channel than shown on the chart. It is recommended the charted pier ruins be extended as noted (see attached Pydro feature report Item 1.5).

21) Two chart editing remnants were identified on NOS Chart #12339 in the vicinity of 40°46'46.58"N Latitude, 73°55'53.42"W Longitude and in the vicinity of 40°45'20.81"N Latitude, 73°57'11.58"W Longitude. It is recommended these chart editing remnants be removed from the chart upon update.

22) The charted dangerous 43 ft wreck in the vicinity of 40°44'54.72"N Latitude, 73°57'54.28"W Longitude was found by the present survey to have a least depth of 45 ft. It is recommended the dangerous 43 wreck be revised to a dangerous 45 sunken wreck.

The present survey is adequate to supersede the prior surveys in the common area.

ADEQUACY OF SURVEY

This is an adequate hydrographic/side scan sonar survey. No additional field work is recommended.

MISCELLANEOUS

Chart compilation was done by Atlantic Hydrographic Branch personnel in Norfolk, Virginia. Compilation data will be forwarded to Marine Chart Division, Silver Spring, Maryland. No further information is available to Atlantic Hydrographic Branch personnel concerning Bridges and Overhead Cables or Tunnel recommendations. It is recommended further details be sought from New York data source agencies.

ENC Processing

H-cell layers in CARIS HOM are organized as follows:

Layer 100	Sounding Objects, survey scale
Layer 200	Skin of the Earth
Layer 300	Rocks
Layer 301	Wrecks
Layer 302	Obstructions
Layer 303	Dolphin
Layer 304	Obstruction - boom (dracone) - end points
Layer 400	Obstruction - boom (dracone) - line feature
Layer 401	Obstructions - pier ruins
Layer 4900	Metadata Objects

H13553

Bryan Chauveau

Bryan Chauveau
Physical Scientist
Verification of Data
Evaluation and Analysis

REPORT OF DANGER TO NAVIGATION
H11353

Hydrographic Survey Registry Number: H11353
Survey Title: State: New York
 Locality: New York Harbor
 Sub-locality: East River

Project Number: OPR-B410-TJ-04

Field Unit: NOAA Ship Thomas Jefferson

Survey Date: 07/29/04 to 08/04/04

Depths are reduced to Mean Lower Low Water using *approved verified final* tides and final tidal zoning. Positions are referenced from USCG DGPS beacon and horizontal datum is North America Datum 83 (NAD83).

Charts affected:

- 12335 40th Edition September 2003 1:10,000 scale
 - Corrected through NM Aug, 30, 2003
 - Corrected through LNM Aug. 19, 2003

The following item was found during office processing:

DANGER TO NAVIGATION #1

	<u>Feature</u>	<u>Depth (FT)</u>	<u>Latitude (N)</u>	<u>Longitude (W)</u>
1.	Obstruction (pipeline)	34	40° 43' 27.54"	073° 57' 49.09"

Note: The obstruction has an approximate length of 580m and width of 2-3m, extending in a northwest direction (323°) offshore from 40°43'26.33"N Latitude, 73°57'47.60"W Longitude to 40°43'27.63"N Latitude, 73°57'49.19"W Longitude.

Questions concerning this report should be directed to the Chief, Atlantic Hydrographic Branch at (757) 441-6746.

H11353 AHB-DTON

Registry Number: H11353
State: New York
Locality: New York Harbor
Sub-locality: East River
Project Number: OPR-B410-TJ-04
Survey Date: 08/16/2004

During office processing a dangerous obstruction/pipeline with a height of 4.7m and least depth of 34 ft (10.5m) was located in 40°43'27.54"N Latitude, 73°57'49.09"W Longitude.

Charts Affected

Number	Version	Date	Scale
12338	9th Ed.	03/01/2003	1:5000
12335	40th Ed.	09/01/2003	1:10000
12327	97th Ed.	09/01/2003	1:40000
12363	39th Ed.	07/15/2000	1:80000
12300	44th Ed.	07/01/2004	1:400000
13006	31st Ed.	06/01/2003	1:675000
5161	13th Ed.	10/01/2003	1:1058400
13003	47th Ed.	06/01/2003	1:1200000
14500	27th Ed.	10/01/2002	1:1500000

Features

No.	Name	Feature Type	Survey Depth	Survey Latitude	Survey Longitude	AWOIS Item
1.1	0001	Obstruction	[None]	040° 43' 27.54" N	73° 57' 49.09" W	---

1.1) 0001**DANGER TO NAVIGATION****Survey Summary**

Survey Position: 040° 43' 27.54" N, 73° 57' 49.09" W
Least Depth: [None]
Timestamp: 2004-229.06:21:55 (08/16/2004)
Survey Line: h11353 / ru00_sss / 2003-175 / 112_2046
Contact/Point: 0001/1
Charts Affected: 12338_1, 12335_1, 12327_1, 12363_1, 12300_1, 13006_1, 5161_1, 13003_1, 14500_1

Remarks:

Obstr/wreckage

Feature Correlation

Address	Feature	Range	Azimuth	Status
h11353/ru00_sss/2003-175/112_2046	0001	0.00	000.0	Primary
h11353/1005_mb/2004-216/332_1806	106/4	4.95	083.3	Secondary
h11353/1005_mb/2004-216/331_1759	2702/43	7.35	106.8	Secondary
h11353/1005_mb/2004-216/332_1806	9/99	11.46	149.3	Secondary

Hydrographer Recommendations

Office Recommendations - It is recommended a dangerous obstruction (pipeline) be charted at this location.

S-57 Data

Geo object 1: Obstruction (OBSTRN)
Attributes: INFORM - Obstr/wreckage
 QUASOU - 6:least depth known
 STATUS - 1:permanent
 TECSOU - 2:found by side scan sonar; 3:found by multi-beam
 VALSOU - m
 VERDAT - 12:Mean lower low water

WATLEV - 3:always under water/submerged

Office Notes

During office processing a dangerous obstruction/pipeline with a height of 4.7m and least depth of 34 ft (10.5m) was located in 40°43'27.54"N Latitude, 73°57'49.09"W Longitude.

The obstruction has an approximate length of 54m and width of 2-3m, extending in a northwest direction (323°) offshore from 40°43'26.33"N Latitude, 73°57'47.60"W Longitude to 40°43'27.63"N Latitude, 73°57'49.19"W Longitude (length corrected after discussion with USCG to 58m).

Depths range from 3.5m inshore to 10.5m offshore.

APPROVAL SHEET
H11353 (2004)

The completed survey has been inspected with regard to survey coverage, delineation of depth curves, development of critical depths, cartographic symbolization, and verification or disproof of charted data. The digital data have been completed and all revisions and additions made to the H-Cell during survey processing have been entered in the digital data for this survey.

I have reviewed the H-Cell, accompanying data, and reports. This survey and accompanying digital data meet or exceed NOS requirements and standards for products in support of nautical charting except where noted in the Evaluation Report.

Approved: _____



P. Tod Schattgen
Commander, NOAA
Chief, Atlantic Hydrographic Branch

Date: _____

