10347

Diagram No. 1213-4

NOAA FORM 76-35A

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

DESCRIPTIVE REPORT

Type of Survey ... Hydrographic

Field No. ... AHP-10-8-90

Registery No. ... H-10347

LOCALITY

State ... New York

General Locality ... Long Island Sound

Sublocality ... Hempstead Harbor

19 90

CHIEF OF PARTY
LCDR V.D. Ross

LIBRARY & ARCHIVES

DATE ... April 26, 1993

☆U.S. GOV. PRINTING OFFICE: 1985—566-054

10347

EC/G
PRODUCTS
12366
12367
12364 'E'
12363
CPZ
12300-NC

NOAA FORM 77-28 (11-72)

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

REGISTER NO.

HYDROGRAPHIC TITLE SHEET

H-10347 ✓

INSTRUCTIONS - The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

FIELD NO.

AHP 10-8-90 ✓

State New York ✓

General locality Long Island ✓

Locality Hempstead Harbor ✓

Scale 1:10,000 ✓ **Date of survey** June 14,1990-Aug. 13,1990 ✓

Instructions dated April 30,1990 * **Project No.** OPR-B285-AHP2 ✓

Vessel Launch 0517 ✓

Chief of party LCDR V. Dale Ross ✓

Surveyed by M. J. McMann, B. A. Link, T. M. Rybarski, M. P. Conricote, M. J. Briscoe

Soundings taken by echo sounder, hand lead, pole All

Graphic record scaled by MJM, BAL, TMR, MPC, MJB

Graphic record checked by MJM, BAL, TMR, MPC, MJB

Protracted by _____ **Automated plot by** HDAPS/Bruning ZETA 824A
XYNETICS 1204 Plotter (AHS)

Verification by Atlantic Hydrographic Section personnel

Soundings in ~~fathoms feet at MLW MLLW~~ Meters at MLW (Predicted Tides)
Approved tides and zoning applied during office processing.

REMARKS: * Change No.1, dated May 23, 1990

Notes in the original Descriptive Report were made in red during office processing.

AWOIS/SURF ✓ 6/7/93 SJ

NOAA FORM 77-28 SUPERSEDES FORM C&GS-537.

☆ U.S. GPO: 1974-0-768-081/1207

DESCRIPTIVE REPORT TO ACCOMPANY
HYDROGRAPHIC SURVEY H-10347
FIELD NO. AHP-10-8-90
SCALE: 1:10,000
1990
ATLANTIC HYDROGRAPHIC PARTY TWO
CHIEF OF PARTY: LCDR V. DALE ROSS

A. PROJECT

This survey was conducted in accordance with Hydrographic Project Instructions OPR-B285-AHP2, Western Long Island Sound, New York and Connecticut, dated April 30, 1990 and amended by Change No. 1 dated May 23, 1990.

The purpose of project OPR-B285-AHP2 is to provide contemporary hydrography for the maintenance of existing charts and to satisfy requests from the U.S. Navy, state and local governments for updated hydrographic data of this area.

The sheet letter is "E" as specified by the project instructions.

B. AREA SURVEYED

The area surveyed for H-10347 covers all of Hempstead Harbor as well as the portion of Long Island Sound north of the harbor aproximately half way to the north shore of the sound. The survey limits are as follows:

North - Latitude 40°54'20"N
South - Latitude 40°48'15"N (head of navigation)
East - Longitude 073°38'00"W (Glen Cove/Matinecock Pt.)
West - Longitude 073°43'30"W (Prospect Point)

This survey was conducted from June 14, 1990 (DN 165) to August 13, 1990 (DN 225).

C. SURVEY VESSELS

NOAA launch 0517 (EDP No. 0517), a 21 foot MonArk, was used to collect all data on this survey. No problems were encountered with this vessel.

D. AUTOMATED DATA ACQUISITION AND PROCESSING

Hewlett-Packard HDAPS Programs:

Program	Version	Date
Survey	4.33	5/26/90
Constat	2.02	3/9/90
Postsur	4.14	7/20/90
Printout	2.23	7/12/90
Baseline	1.01	6/15/90
Backup	1.02	3/9/90
Quick	1.01	7/27/90
Conplot	1.02	6/25/90
Diagnostic	2.50	3/9/90
Conpute	2.02	3/9/90
Point	1.20	7/27/90
Install	1.20	3/26/90
Plotall	1.70	7/27/90
Oldpostsur	4.13	4/9/90
Oldconvert	2.33	3/12/90
Loadnew	1.00	7/27/90
Convert	2.34	6/20/90
Filesys	4.55	5/26/90
Oldplotall	1.60	5/26/90
Inverse	1.21	7/27/90
Abst	3.05	5/26/90

PC-DAS program, NOAAEXE directory, Version 3.6 was used for on line data acquisition on the survey vessel.

In addition to the HDAPS, the following non-HDAPS computer programs were used:

VELOCITY (IBM PC)	Ver. 1.11 (3/9/90)
MTEN 3 with enhancements (IBM PC)	Ver. 6/88

E. SONAR EQUIPMENT

Not Applicable.

F. SOUNDING EQUIPMENT

Raytheon DE-719CM Fathometers, modified with an Odom Hydrographic Systems, Inc. Digitrace, were used for the entire survey. Serial number 10348 was used from day 165 thru day 166. Serial number 8652 was used from position 285 on day 170 thru the end of the survey on day 225.

Several problems were encountered with the Raytheon Fathometers. On day 160, the Digitrace on Fathometer serial number 10348 would not digitize consistantly, and blanked out or locked up on an erroneous depth. The analog trace on this unit was working normally. Adjustments made no difference with any of the digitrace problems. Other than increasing the amount of editing needed, these problems did not further affect the survey data.

Depths on this survey ranged from 0-32 meters. ✓

G. CORRECTIONS TO SOUNDINGS

The Digitrace readings were closely monitored for comparison with the analog trace to insure agreement between the two. Any necessary adjustments were made and noted on the fathogram.

Weather permitting, lead line comparisons were conducted each day of hydrography to determine an instrument corrector. The average corrector for Fathometer S/N 10348 was 0.0 meter. The average corrector for Fathometer S/N 8652 was 0.0 meter. No instrument error was applied to the soundings on the final field sheet. A lead line comparison form can be found in the "Separates to be Included With Survey Data".*

Survey records were scanned by AHP-2 employees in accordance with the hydrographic manual. With the digital reading taking precedence over the analog trace, significant peaks and deeps which occured between selected soundings, missed depths, incorrectly digitized soundings, and the effects of sea and swell action were inserted or corrected, as appropriate, while scanning.

The Raytheon DE-719CM Fathometers were calibrated for a speed of sound through water of 1500 m/sec. Corrections for the speed of sound through water were computed from data obtained with Odom Hydrographic Systems, Inc. DIGIBAR electronic speed of sound probe serial number 154. Data quality assurance tests were performed prior to each cast. Program "Velocity" version 1.11 was used for the speed of sound corrections computations. The following casts were taken:

Cast	Day	Depth (m)
1	163	30
2	170	30
3	177	30
4	183	30
5	225	32

* Separates are filed with original field data.

Complete cast data information is included in the cahier for survey H-10346.

AHP-2 experienced technical difficulties with the Digibar SN 154 (it was failing the DQA) and returned it to Odom for repairs. An AML speed of sound profiler was used for a final cast on day 225.

No speed of sound correction was necessary on this survey. With the exception of Velocity Table 1, which has a 0.1 meter corrector at depths greater than 13 meters, no speed of sound correction is seen on any of the tables for the depth range of this survey. The correction on table 1 does not apply to any data.

Copies of the tables are in the "Separates to be Included With Survey Data".* Velocity support documentation is in the cahier for H-10346.

A static draft of 0.3 meter was applied on line (except as changed by settlement and squat correctors). This was measured from a punch mark on the side of launch 0517, 0.6 meters above the transducer, to the water surface, then subtracting the difference.

Settlement and squat measurements for vessel 0517 were performed on June 11, 1990 (day 162) during slack water. The level method was used. Settlement and squat correctors were applied to all survey data. Data from the settlement and squat test are included in the "Separates to be Included With Survey Data".*

The final field sheet was plotted using predicted tides determined from the Willets Point, New York permanent tide station using time and height correctors listed the 1990 tide tables as stated in the Project Instructions.

Actual tide heights were requested from the Sea and Lake Levels Branch, N/OMA12, in a letter dated August 27, 1990. A copy of the letter is included in the appendices of this report.*
Approved tides and zoning were applied during office processing.

H. CONTROL STATIONS

The horizontal control datum for this project is the North American Datum of 1983. Stations 102, 113, 154, 156, 172, 176, 189, 214, 235, and 249 were used to control this survey. Signal 156 was used for initial pointing only. A signal list as well as a copy of the PC-DAS Control Station Table* is included in the appendices of this report.

* Removed from the original Descriptive Report; filed with original field records.

The Coastal Surveys Unit from Norfolk, Virginia used third order, class I traverse and intersection methods to establish horizontal control for this project. The horizontal control report was written and submitted by the Coastal Surveys Unit employees for OPR-B285-AHP2.

G. HYDROGRAPHIC POSITION CONTROL - See also section 2.a. of the Evaluation Report

Range/range, range/azimuth and see field sheet positioning were used to control this survey. Multiple lines of position (up to three) using Motorola Falcon 484 Mini-Rangers were used for the range/range method. A Nikon NT2D theodolite, serial number 031033 was used for angle observations for the range/azimuth method. The following Falcon Mini-Ranger equipment was used:

VESNO	Equipment	S/N	Code
0517	RPU	F0241	
	RT	E2967	
	R/S	E2977	4
	R/S	E2922	4
	R/S	E2926	5
	R/S	C2059	6

Baseline calibrations of the Motorola Falcon 484 equipment were performed on May 30, 1990 and again on July 18, 1990 after R/S E2977 was vandalized on day 198. R/S E2977 was replaced by R/S E2922. Serial number E2922 was used from day 190 thru the end of the survey. The correctors were applied on-line through the Comflex "C-O" tables. Baseline calibration forms and the "C-O" tables are included in the "Separates to be Included With Survey Data".*

When using three or four lines of position, a critical system check is continuously being obtained by observing the error circle radius (ecr) and residual (res) values on the Comflex screen on the survey vessels. When the error circle radius is greater than 15m (1.5m at the survey scale) or the residuals are greater than 5m (.5m at the survey scale) for more than three to five minutes, survey operations are suspended in the area until the problem can be resolved. Any positions which had high error circle radii or residuals in an otherwise good line were smoothed during processing.

A closing baseline calibration was not performed since the survey was conducted in less than a six month period.

Removed from the original Descriptive Report; filed with original field records.

J. SHORELINE - See also section 2.b. of the Evaluation Report.

Shoreline shown on the final field sheet was transferred by hand from TP-01269 and TP-01270. These shoreline manuscripts were compiled on NAD 1927. Corrections were made to the grid ticks on these manuscripts for transferring the shoreline to the NAD 1983 grid on the final field sheets.

The shoreline manuscripts were compiled at 1:20,000 scale. They were enlarged to 1:10,000 scale for use with this survey. ✓

Shoreline verification was accomplished by comparison of the main scheme hydrography which junctions at shore, or by visual inspections. Verified shoreline is shown in black ink on the final field sheet. There were no shoreline changes identified by this survey.

Shoreline detail verified by this survey is shown in black ink on the final field sheet. Several shoreline detail changes were identified and are shown in red ink on the final field sheet and described as follows.

The offshore end of two piers not shown on TP-01270 should be charted at:

latitude 40° 49' 45"N, longitude 073° 39' 04"W 12366 ✓
latitude 40° 49' 05"N, longitude 073° 38' 49"W

All rocks shown on TP-01269 and TP-01270 were either located by detached position or were encompassed in areas foul with rocks. All rocks shown on TP-01269 and TP-01270 are recommended for charting.

All field notes regarding these changes are recorded on the graphic records for each day of hydrography. No sounding volumes or notebooks were used. A complete list of all detached positions, generated through the HDAPS Contact File Utility is included in the "Separates to be Included With Survey Data".* It lists the feature or item number, position, and the elevation corrected to mean low water using predicted tides.

K. CROSSLINES - See also section 3.a. of the Evaluation Report.

A total of 39.8 linear nautical miles of crosslines were run on H-10347 which equals 13.5% of the main scheme hydrography. Crosslines agree within 0.3 meters throughout the entire survey.

* Removed from the original Descriptive Report; filed with the original survey (field) records.

L. JUNCTIONS - See also section 5. of the Evaluation Report.

This survey is scheduled to junction with OPR-B285-AHP2 surveys to be completed in the 1991 summer field season. Sheet letter "C" will be the contemporary junction survey to the west of H-10347. Sheet letter "D" will be the contemporary junction survey to the north of H-10347. Sheet letter "G" will be the contemporary junction survey to the east of H-10347 and will be completed later in the 1990 field season.

This survey junctions with prior survey H-1732a, 1:20,000 scale, 1914-1916. The scale of this prior survey made comparisons difficult, but comparison of selected soundings show the current survey depths are shoaler by as much as 3 meters.

M. COMPARISON WITH PRIOR SURVEYS - See also section 6. of the Evaluation Report.

This survey was compared with prior survey H-5545, a 1:10,000 scale survey from 1934.

Eight of the twenty-three items assigned which fall within the limits of this survey originate from prior surveys. Two of the items are from H-5545, while four are from H-5078, a 1930 wire drag survey, which were carried over to H-5545. Two are from FE-293 in 1986. These are discussed completely on item investigation reports in the "Separates to be Included With Survey Data".

In depths of 5 meters or more, the present survey depths are shoaler by 0.6 meter or less. In depths of less than 5 meters, there are significant changes from the prior survey, with current depths shoaler by 1 meter or less.

The most dramatic changes have occured south of latitude 40° 49' 45"N. There has been extreme shoaling in this area, with present depths as much as 4 meters shoaler. See section N for further desciption of this area.

N. COMPARISON WITH THE CHART - See also section 7. of the Evaluation Report.

This survey was compared to the 20th edition of chart 12366, dated November 1, 1986.

In addition to the eight items originating from prior surveys, fifteen items from other sources were addressed on this survey. These are discussed on item investigation report forms in the "Separates to be Included With Survey Data".

No dangers to navigation were identified on this survey.

General sounding comparison results are the same as those discussed in section M of this report.

All isolated soundings charted in this survey area were investigated as items with the exception of two twelve foot (3.7 meter) soundings at latitude 40°50'~~40~~39.4"N, longitude 073°39'~~26~~32.5"W and at latitude 40°50'~~28~~34.4"N, longitude 073°39'~~26~~33.5"W, which are no longer isolated soundings using the metric depth curves.

All obstuctions and wrecks charted seaward of the 30 ft depth curve were previously resolved by OPR-B660.

Discrepancies with the chart are as follows:

1. A group of piles charted in the vicinity of latitude 40° 50'20"N, longitude 073°39'50"W no longer exist. A discussion with Mr. Robert Smith, operations manager for Buchanan Marine, Inc.(516-944-7180), whose gravel loading facilities occupy the shore adjacent to the charted piles, revealed their tugs and barges traverse the area at all stages of the tide and have never encountered any snags nor obstructions. The hydrographer recommends removal of the piles from the chart. - Concur. 12366 piles

2. Three groups of piles charted along the east shore of the harbor between latitude 40°50'40"N and 40°51'00"N are charted as uncovering at low water. These piles were searched for during low tide on 2 occasions and nothing was found. After discussions with local boaters and fishermen failed to turn-up any knowledge of their existence, the hydrographer recommends the piles be removed from the chart. - See also section 6.a.3(f) of the Evaluation Report. 12366 piles

3. A row of piles charted in the vicinity of latitude 40° 49' 30"N, longitude 073° 39'15"W, is now surrounded by numerous derelict barges. The limits of these barges were located by detached positions. Discussions with local residents revealed that these barges have been abandoned in this area for over 15 years with pressure being applied by local authorities to the towing companies that deserted these barges to have them removed. These barges are not shown on the T-map. The hydrographer recommends these barges be charted as a foul limit which is shown on the final field sheet. It is also recommended that the row of piles be removed from the chart. 12366

4. The entire harbor area south of Bar Beach has experienced extreme shoaling with present depths as much as 4 meters shoaler than charted depths. A charted deep water area in the northwest corner of this section of the harbor has shoaled in completely and no longer exists. The hydrographer recommends the charting of soundings from H-10347 in this area. - Concur - chart as shown on the present survey. 12366 see pull-up

5. A pier ruins charted in the vicinity of latitude 40° 50' 16"N, longitude 073° 39' 13"W, no longer exists. Detached position 2385 was taken in the area to prove the location of the 12366

survey launch during the visual search. The hydrographer recommends removal of the ruins from the chart.

6. A 30-ft long by 12 in. dia. metal pipe was found laying flat on the bottom, partially buried in the mud, baring 0.5m above MLW. The pipe is laying parallel to the shoreline. This pipe was located by detached position 2386. The hydrographer recommends this pipe be charted ~~as located.~~ in Latitude 40°49'53.6"N, Longitude 73°39'02.8"W. 12366

7. A dolphin was located by detached position 2418 at latitude 40°49'21.5"N, longitude 073°38'51.~~3~~1"W. The hydrographer recommends this dolphin be charted as located. - Concur. 12366

8. A pier ruin charted in the vicinity of latitude 40°49'07.7"N, longitude 073°38'50.8"W, was investigated at low water and the remains of piles were found cut-off flush with the bottom. A detached position was taken (2423) to prove the location of the survey vessel. The hydrographer recommends this ruin be removed from the chart as it constitutes no danger to navigation. - Do not concur. Chart as shown on the present survey

9. Five mooring buoys were located in the survey area by detached position.

Pos.# 2204	lat. 40°50'41.1"N	lon. 073°39'47.4"W	
2205	40°50'29.5"N	073°39'40.7"W	12366
2396	40°50'15.3"N	073°39'30.0"W	
2397	40°50'22.7"N	073°39'48.6"W	
2419	40°49'07.5"N	073°39'03.6"W	

Two mooring buoys were previously charted, with one's charted location 90 meters southwest of the buoy located by pos. 2204, and the other's charted location 230 meters southeast of the buoy located by pos. 2396. The hydrographer recommends these mooring buoys be charted as located. - Concur.

10. An uncharted, exposed wreck was located by detached position 2402 at latitude 40°50'11.2"N, longitude 073°39'45.5"W. This wreck is located inside an abandoned dock and does not constitute a danger to navigation. The hydrographer recommends this wreck be charted as located. - Concur 12366

11. A charted obstruction in the vicinity of latitude 40°53' 37", longitude 073°38'50", was developed to 25 meter line spacing and nothing was found. These soundings were designated No Smooth Plot, but they were plotted on a sheet which is included at the end of the separates following text of this report. The hydrographer recommends removal of this obstruction from the chart. - Do not concur - see section 6.b.5) of the Evaluation Report.

12. A spike was located on a main scheme line at latitude 40°53'12"N, longitude 73°39'26"W, and later developed to 25 meter line spacing. This spike rises 1.0 meter off the bottom in 10.4 meters of water. The development in this area revealed the item is very small as it was not found on any line except the original point of contact. This item does not constitute a danger to navigation due to its small size and low profile off the bottom. The hydrographer recommends the spike be charted as plotted on the final field sheet for H-10347. - Concur - chart as shown on the present survey. 12366

O. ADEQUACY OF SURVEY

This survey is a complete basic hydrographic survey and is adequate to supersede all prior surveys within the common area.

P. AIDS TO NAVIGATION

There are two non-floating aids to navigation in the survey area. Glen Cove Breakwater Lt. 5 and Bar Beach Lt.11 were located by third order, class I methods by the Coastal Surveys Unit and agree well with their published position in the U.S. Coast Guard Light List Vol.1.

Eight floating aids to navigation exist within the survey area. Buoys GONG "23", N "2", N "4", N "6", N "8" and Glen Cove Creek N "2" were found on station and serving the apparent purpose for which they were established. Buoy C "A" and N "B" charted as a white can and white nun, were found on station, but are a yellow can and yellow nun and should be charted as such. Buoy C "9" was found 70 meters west of the charted position while Glen Cove Creek C "1" was found 30 meters southwest of the charted position. Both serve the apparent purpose for which they were established. The hydrographer recommends charting the buoys as located by H-10347.

Privately maintained buoys charted as C "1", found 40 meters east of charted position, and N "2", found 50 meters southwest of the charted position, adequately serve the apparent purpose for which they were established, which is marking the channel into Tappen Beach Marina. The hydrographer recommends the buoys be charted as located by H-10347.

There is one bridge in the survey area, however it is above the limit of navigation of Hempstead Harbor so the charted clearance was not verified.

There are two overhead cables in the survey area, one of which crosses the harbor at latitude 40°49'42"N, longitude 073°39'10"W, with a vertical clearance of 90 ft. The vertical clearance was verified by vertical angle with a theodolite.

The second cable crosses Glen Cove Creek near the head of navigation. This clearance was not verified due to a lack of horizontal control, extreme congestion in the area eliminating visibility, and the fact that vessels with a draft of over 5 ft. cannot enter this far up the creek, it is unlikely a vessel of this size would require the charted 65 ft clearance.

There is one pipeline charted in the survey area, but no evidence of the pipeline is visible from the water.

There are no submarine cables nor ferry routes within the limits of this survey.

Q. STATISTICS

Description	
Total Positions	2642
Detached Positions	132
Duplicate Positions	7
Total Miles of Hydrography	295.4
Sq. Nautical Miles of Hydrography	12
Bottom Samples	45
Velocity Casts	5
Tide Stations	3
Days of Production	21

R. MISCELLANEOUS

No anomalous tidal or current conditions were observed while conducting this survey.

Bottom samples taken on this survey were visually inspected and not retained.

S. RECOMMENDATIONS

Not Applicable.

REFERRAL TO REPORTS

Title	Transmittal Information
Descriptive Report To Accompany Survey H-10346	Atlantic Hydrographic Section Norfolk, Virginia N/CG244
Horizontal Control Report for OPR-B285-AHP2	Field Photogrammetry Section Norfolk, VA (N/CG233)
Chart Sales Agent Report for OPR-B285-AHP2	Chart Distribution Branch (N/CG33) Rockville, MD.
User Evaluation Report OPR-B285-AHP2	Atlantic Hydrographic Section (N/CG244) Norfolk, Va.
Chart Inspection Report OPR-B285-AHP2	Atlantic Hydrographic Section (N/CG244) Norfolk,Va.
Coast Pilot Report	Coast Pilot Section Mapping and Charting Branch (N/CG22) Rockville, MD

Submitted by: Mark J. McMann, Launch Hydrographer-in-Charge

Descriptive Report
Appendices

NAVISOFT 1000 PRE-SURVEY: CONTROL STATION TABLE 08-28-1990

Station Number 162

No	T	C	Carto	Latitude	Longitude	H	Freq	Vel	Date
102	F		250	40:48:20.331	73:39: 1.092	0	0.0	0	6/7/90
113	F		250	40:50:34.812	73:39:12.307	0	0.0	0	6/7/90
154	F		250	40:51:43.217	73:39:37.151	0	0.0	0	6/7/90
156	F		139	40:49:39.333	73:38:45.960	0	0.0	0	6/7/90
172	F		250	40:50:43.622	73:40: 9.383	0	0.0	0	6/7/90
176	F		250	40:51:47.835	73:42: 2.973	0	0.0	0	6/7/90
189	F		250	40:55: 5.071	73:43:52.470	0	0.0	0	6/7/90
214	F		250	40:51:24.942	73:40:32.864	0	0.0	0	6/7/90
235	F		250	40:50:16.490	73:39:11.244	0	0.0	0	6/7/90
249	F		250	40:53: 3.049	73:38:51.173	0	0.0	0	6/7/90

<Move Field <PgUp-PgDn> Scroll Screen <End> Accept Data <Esc> Exit
<F1> Paper Copy <F2> List <F3> Find Station <F4> Sort <F10> L/L Toggle

Station Names and Sources

102 - ANDR 1990 (AMC Coastal Surveys Unit)
113 - CARP 1990 (AMC Coastal Surveys Unit)
154 - GLEN COVE LIGHT 1990 (AMC Coastal Surveys Unit)
156 - GLENWOOD LANDING TANK (Published NGS)
172 - HEMP (AMC Coastal Surveys Unit)
176 - HOWARD (AMC Coastal Surveys Unit)
189 - LARCHMONT HARBOR LIGHT (AMC Coastal Surveys Unit)
214 - POINT (Published NGS)
235 - TAPPAN (AMC Coastal Surveys Unit)
249 - WEBB (AMC Coastal Surveys Unit)

CHART #12366

PRE-SURVEY REVIEW ITEM #4397
OBSTRUCTION

SOURCE: FE293/86SS

INVEST. DATE: NONE TIME: NONE VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION: N/A

CORRECTORS APPLIED: NONE

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 52' 37.50"	073° 41' 48.60"

OBSERVED: See Method of Item Investigation

POSITION DETERMINED BY: N/A

METHOD OF ITEM INVESTIGATION: This item was assigned by mistake as it was resolved by survey FE293/86SS, OPR-B660. -Concur. Chart as recommended in addendum to FE-29355 (1986). Items brought forward from the prior survey to supplement the present survey.

CHARTING RECOMMENDATIONS: None

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6368
UNKNOWN

SOURCE:H5545/34
CL1202/71

INVEST. DATE: 7/25/90 TIME: 1409 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:2182

CORRECTORS APPLIED: N/A

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 51' 35.00"	073° 39' 14.00"
OBSERVED: Not Found		

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: A visual and fathometer search was conducted in the area of this item at low water and nothing was found. The shore line in the vicinity of this item has numerous boulders with several rocks extending offshore. Discussions with personnel at the Hempstead Harbor Club indicate this wreck has not been seen, even during extreme low water periods, and that this is a hazardous area due to submerged rocks. A detached position (#2182) was taken in the center of the search area to insure the proper location of the survey vessel.

CHARTING RECOMMENDATIONS: The hydrographer recommends removal of the wreck symbol from the chart. -Do not concur. The investigation conducted by the field unit is not adequate to disprove the item. An indication of the wreck was seen on a main scheme hydrographic line. The indication on the fathogram is in proximity to the wreck shown on the prior survey. The wreck has been brought forward from the prior survey to supplement the present survey. It is recommended that the charted dangerous sunken wreck be revised to a non-dangerous sunken wreck in the charted location. 12366

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6369
SUBM. WRECK

SOURCE:H5545/34

INVEST. DATE:7/26/90 (D.N.207) TIME:124622 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:2317

CORRECTORS APPLIED: N/A

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 51' 07.00"	073° 39' 07.20"
OBSERVED:	Not Found	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: A visual and fathometer search was conducted at low water and nothing was found. Discussions with personnel at the Seacliff Yacht Club indicate this wreck is not visible, even during extreme low water periods. The charted location of this wreck lies in an extremely congested anchorage area which precludes other forms of investigation. A detached position was taken (#2317) to insure the proper location of the survey vessel.

CHARTING RECOMMENDATIONS: The hydrographer recommends removal of the wreck symbol from the chart. - Concur

12366 ✓

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6370
SUBM. WRECK

SOURCE:UNKNOWN

INVEST. DATE: 7/26/90(D.N.207) TIME:1343-1413 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:2319-2350

CORRECTORS APPLIED: Predicted Tides, TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 50' 57.00"	073° 39' 20.50"
OBSERVED:	See Method of Item Investigation	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: Main scheme hydrography was split to 25 meters in both directions. Nothing was found. Discussions with local commercial and recreational fishermen at the Glen Cove Anglers Club indicate no local knowledge of this wreck.

CHARTING RECOMMENDATIONS: The hydrographer recommends removal of the wreck symbol from the chart. - Do not concur. Investigation was not fully completed. No change in charting status is recommended.

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6371
SUBM. PILE

SOURCE:CL647/72-USCG

INVEST. DATE:7/27/90(D.N.208) TIME:134455 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:2382

CORRECTORS APPLIED: N/A

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 50' 08.00"	073° 39' 40.00"
OBSERVED:	Not Found	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: A visual and fathometer searh was conducted at low water and nothing was found. A discussion with Mr. Robert Smith, the operations manager for Buchanan Marine Inc., (516-944-7180) indicates his company frequently traverses the area with it tug boats and barges at all stages of the tide, and has never encountered any obstructions in that area. A detached position was taken in the center of the search area to insure the proper location of the survey vessel.

CHARTING RECOMMENDATIONS: The hydrographer recommends removal of the submerged pile from the chart. -Concur

12366 ✓

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6372
OBSTRUCTION

SOURCE:CL1416/81

INVEST. DATE:7/27/90(D.N.208) TIME:1811-1815 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:2409-2414

CORRECTORS APPLIED:Predicted Tides, TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 50' 00.00"	073° 39' 08.00"
OBSERVED:	See Method of Item Investigation	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: Three sounding lines were run in the channel leading into Tappen Beach Marina. These showed no indication of the shoal reported in 1981. A conversation with Mr. Richard Lend of the Town of Oyster Bay Dept. of Public Works revealed a private engineering firm has been contracted to dredge the entrance channel. Discussions with Mr. Bob De Bruin at A. James De Bruin and Sons (516-579-3110) indicate the firm intends to dredge the channel in the fall of 1990 or the spring of 1991, to a depth of 8.5 feet below M.L.W. The firm conducted a hydrographic survey of the channel in July of 1986 using a total station and a level rod to measure depths and found no evidence of the reported shoal. There is no record of the last dredging of the channel.

CHARTING RECOMMENDATIONS: The hydrographer recommends the "5 ft reported 1981" note be replaced with 2.0 meters 1990. The hydrographer recommends contacting the dredging firm to confirm completion of the project, and possibly charting the depths as reported by the contractor. - Do not concur. Chart as shown on the present survey and/or as shown on drawings submitted after completion of dredging.

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6373
WRECK, PA

SOURCE:NM41/51

INVEST. DATE: 8/13/90 (D.N.225) TIME: 1400 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:None

CORRECTORS APPLIED: Predicted Tides,TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 49' 32.50"	073° 39' 18.60"
OBSERVED:	See Method of Item Investigation	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: A visual search was conducted at low water in this area and main scheme hydrography was split to 50 meters. There was no evidence of a float marking the wreck or a spike off of the bottom. This area is now a narrow channel between the charted bulkhead and numerous derelict barges which have been sunk and abandoned just offshore. There is no longer any commercial activity in this area, and many obstuctions in the nature of the barges in ruins. The restricted nature of the channel and the highly polluted waters preclude other forms of investigation.

CHARTING RECOMMENDATIONS: The hydrographer removal of the wreck from the chart.- Do not concur. This item is not considered disproved. Surrounding depths range from 4.5 to 5.1 m (15 to 16 feet). The line spacing was not reduced sufficiently to completely insonify the bottom. It is recommended that the item be retained as charted.

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6374
SOUNDING

SOURCE:NM17/67

INVEST. DATE: 8/13/90 (D.N.225) TIME: 1850-2005 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:2486-2552

CORRECTORS APPLIED: Predicted Tides,TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 49' 07.00"	073° 39' 00.00"
OBSERVED:	See Method Of Item Investigatin	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: Main scheme hydrography was split to 50 meters in this area. Significant shoaling was documented in the entire harbor south of Bar Beach. This could be related to the lack of strong currents in this area, and the large quarry on the west side of the bay may have contributed to the heavy siltation of the bay once commercial activity in this area ceased.

CHARTING RECOMMENDATIONS: The hydrographer recommends charting of the soundings from H-10347. - Concur.

12366 ✓
see pull-up

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6375,6376
OBSTRUCTIONS

SOURCE:UNKNOWN

INVEST. DATE: 8/8/90 TIME: 1300Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION: none

CORRECTORS APPLIED: none

GEODETIC POSITION:		LATITUDE (N)	LONGITUDE (W)
CHARTED:	#6375	40° 49' 33.00"	073° 38' 53.00"
	#6376	40° 49' 37.00"	073° 38' 54.00"
OBSERVED:		Not Found	

POSITION DETERMINED BY: N/A

METHOD OF ITEM INVESTIGATION: Contact was made with Mr. Bob Allen, (516-674-5487) the operating controls engineer for Long Island Lighting Co.(LILCO), the owners of the property where these piers are charted. The company has no records of the existence of these piers, and discussions with a LILCO employee who has worked at the plant since 1948 indicate no knowledge of the piers. The U.S Coast Guard has authorized a vessel draft of 12.8 feet alongside the plant and oil barges frequently traverse the area without problems.

CHARTING RECOMMENDATIONS: The hydrographer recommends removal of the piers from the chart. - Concur. ✓

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6377
OBSTRUCTION

SOURCE:UNKNOWN

INVEST. DATE:8/13/90 (D.N.225) TIME:1405 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:2625

CORRECTORS APPLIED:N/A

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 49' 34.00"	073° 39' 20.00"
OBSERVED:	See Method Of Item Investigation	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: A visual search was conducted in this area at low water and the only pier in existance is shown accurately on the T-map. A ruins was located by detached position 2611. No other ruins or piers are in this area.

CHARTING RECOMMENDATIONS: The hydrographer recommends the T-map take precedence in this area, and the ruins found be charted as located. - Concur. Additionally, no piles were located in the area; two dolphins were located to the south of this item. Recommend charting as shown on the present survey.

12366 ✓

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6378
OBSTRUCTION

SOURCE:UNKNOWN

INVEST. DATE:7/25/90(D.N.206) TIME:151729 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION: 2190

CORRECTORS APPLIED: N/A

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 50' 34.00"	073° 40' 02.00"
OBSERVED: Position 2190	40° 50' 33.23"	073° 39' 57.28"

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: A visual search was conducted at low water and the offshore end of a rock jetty was located by detached position #2190. There was no evidence of a pier or ruins. This jetty may be submerged at high water.

CHARTING RECOMMENDATIONS: The hydrographer recommends removal of the pier ruins from the chart. The T-map is accurate in this area.
Concur

12366 ✓

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6379
OBSTRUCTION

SOURCE:UNKNOWN

INVEST. DATE:7/26/90 TIME:122325 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION: 2316

CORRECTORS APPLIED: N/A

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 50' 45.00"	073° 39' 14.00"
OBSERVED:	Not Found	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: A visual search was conducted at low water and nothing was found. There were no piers or ruins in the vicinity of these items.

CHARTING RECOMMENDATIONS: The hydrographer recommends removal of these piers from the chart. Do not concur. The position number listed above is in Latitude 40°50'47.83"N, Longitude 73°39'12.85"W. This corresponds to the end of a pier that originates with the shoreline manuscript. It is recommended that the area be charted as shown on the present survey.

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6380
OBSTRUCTION

SOURCE: BP123439-1982

INVEST. DATE:8/13/90 (D.N.225) TIME:1610 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:N/A

CORRECTORS APPLIED: None

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 51' 15.00"	073° 38' 43.00"
OBSERVED:	See Method Of Item Investigation	

POSITION DETERMINED BY: See Field Sheet

METHOD OF ITEM INVESTIGATION: This area was visually compared to the T-map and the area is accurately depicted on the T-map.

CHARTING RECOMMENDATIONS: The hydrographer recommends the T-map take precedence in this area. -Concur-

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COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6507
SOUNDING

SOURCE: FE293/86SS

INVEST. DATE:7/9/90 (D.N.190) TIME:172659-175502 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:1619-1644

CORRECTORS APPLIED: PREDICTED TIDES, TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 52' 43.86"	073° 42' 59.90"

OBSERVED: See Method of Item Investigation

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: This item, described as a significant contact rising 7.8 meters in 42 ft. depths, was investigated by reducing the line spacing of main scheme hydrography to 25 meters. Nothing was found. There are charted shoals in close proximity to this item. The soundings for this development were designated No Smooth Plot, but were plotted on a 1:5000 scale sheet which is included with this description. - See also section 6.c.1) of the Evaluation Report

CHARTING RECOMMENDATIONS:The hydrographer recommends charting the soundings from H-10347. - See also section 6.c.1) of the Evaluation Report.

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6508
SOUNDING

SOURCE: FE293/86SS

INVEST. DATE:7/3/90 (D.N.184) TIME:125427-131629 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:1228-1243

CORRECTORS APPLIED: PREDICTED TIDES, TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 52' 52.67"	073° 42' 57.19"

OBSERVED: See Method of Item Investigation

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: Main scheme hydrography was split to twenty five meters for a fifty meter radius. This item, described as a significant contact rising 5.5 meters in ~~34~~ 46 feet of water, was not found. There are charted shoals in close proximity to this contact. The soundings for this item were designated No Smooth Plot, but were plotted on a 1:5000 scale sheet which is included with this descrition.

CHARTING RECOMMENDATIONS:The hydrographer recommends charting the soundings from H-10347. -See also section 6.c. 2) of the Evaluation Report. ✓

COMPILATION USE

CHART: APPLIED AS:

CHARTING AND GEODETIC SERVICES RADM WESLEY V. HULL DIR

LONG ISLAND SOUND, NEW YORK
ROCKY POINT TO FORBES ROCKS

AN015 # 6508 & 6507

E11500 LON 73:43:00

E12000 LON 73:42:45

LAT 40:53:00

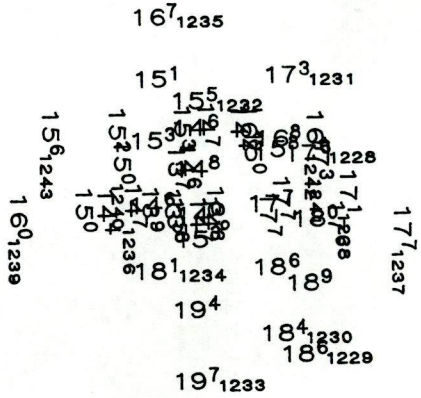
LAT 40:52:45

LAT 40:52:30

LON 73:43:15

N24000

N23500



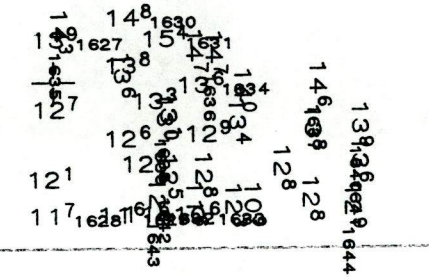


CHART #12366

PRE-SURVEY REVIEW ITEM #6511
OBSTRUCTION

SOURCE:BP103688-1977

INVEST. DATE:8/13/90 (D.N.225) TIME:1610 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION: None

CORRECTORS APPLIED: None

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 51' 25.00"	073° 38' 32.00"
OBSERVED:	See Method Of Item Investigation	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: This area was visually compared with the T-map and is accurately depicted.

CHARTING RECOMMENDATIONS: The hydrographer recommends the T-map take precedence in this area. -Concur ✓

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6512
OBSTRUCTION

SOURCE:CL446/61

INVEST. DATE:8/13/90 (D.N.225) TIME:1615 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION: None

CORRECTORS APPLIED: None

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 51' 29.00"	073° 38' 33.50"
OBSERVED:	Not Found	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: A visual search was conducted in this area at low water and no evidence of these piles was found.

CHARTING RECOMMENDATIONS: The hydrographer recommends these piles not be charted. - Concur. These piles fall inside the low water line ✓ delineated on the present survey.

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6513
WRECK

SOURCE:UNKNOWN

INVEST. DATE:8/13/90 (D.N.225) TIME:1620 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION: None

CORRECTORS APPLIED: None

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 51' 23.00"	073° 38' 52.00"
OBSERVED:	Not Found	

POSITION DETERMINED BY: See Field Sheet

METHOD OF ITEM INVESTIGATION: A visual search was conducted at low water and the entire area is above the low water line and no evidence of the wreck was found.

CHARTING RECOMMENDATIONS: The hydrographer recommends the wreck symbol be removed from the chart. Concur. Wreck falls inside of the low water line delineated on the present survey.

12366 ✗

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6514
OBSTRUCTION

SOURCE: UNKNOWN

INVEST. DATE:8/13/90 (D.N.225) TIME:1620 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:None

CORRECTORS APPLIED: None

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 51' 22.00"	073° 38' 45.50"
OBSERVED:	See Method Of Item Investigation	

POSITION DETERMINED BY: See Field Sheet

METHOD OF ITEM INVESTIGATION: A visual comparison was done in this area between the T-map and the existing piers. The T-map is accurate in this area.

CHARTING RECOMMENDATIONS: The hydrographer recommends the T-map take precedence in this area. - Concur.

COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6541
SOUNDING

SOURCE:H5078/30WD

INVEST. DATE:7/25/90(D.N.206) TIME:1707-1804 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:2211-2293

CORRECTORS APPLIED: Predicted Tides, TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 51' 55.50"	073° 39' 57.00"
OBSERVED:	See Method of Item Investigation	

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: Main scheme hydrography was split to 25 meters for a 200 meter radius from the position of this item. Nothing was found. ~~The soundings were designated No Smooth Plot but were plotted on a 1:5000 scale sheet which is included with this description.~~ Plotted on smooth sheet.

CHARTING RECOMMENDATIONS: The hydrographer recommends charting soundings from H-10347. Concur

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COMPILATION USE

CHART: APPLIED AS:

CHART #12366

PRE-SURVEY REVIEW ITEM #6542
SOUNDING

SOURCE: H5545/34

INVEST. DATE:7/3/90 (D.N.184) TIME:161006-171749 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:1346-1429

CORRECTORS APPLIED: PREDICTED TIDES, TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 52' 58.00"	073° 40' 16.00"

OBSERVED: See Method of Item Investigation

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: Main scheme hydrography was split to twenty five meters in both directions for a 200 meter radius and nothing was found. ~~The soundings for this development were designated No Smooth Plot, but were plotted on a 1:5000 scale sheet which is included with this description.~~ Plotted on smooth sheet. ✓

CHARTING RECOMMENDATIONS:The hydrographer recommends charting the soundings from H-10347. - Concur

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COMPILATION USE

CHART: APPLIED AS:

LAT 40:53:15
N24500
LAT 40:53:00
N24000
E15500
E16000
LON 73:40:30
LON 73:40:15
LON 73:40:00
AWOIS # 6541 & #6542

CHART #12366

PRE-SURVEY REVIEW ITEM #6543
SOUNDING

SOURCE: H5545/34

INVEST. DATE:7/3/90 (D.N.184) TIME:141716-153325 Z VESSEL #0517

Chief of Party: LCDR V. Dale Ross

REFERENCE: H-10347 (OPR-B285-AHP) POSITION:1258-1345

CORRECTORS APPLIED: PREDICTED TIDES, TRA

GEODETIC POSITION:	LATITUDE (N)	LONGITUDE (W)
CHARTED:	40° 53' 12.50"	073° 40' 21.00"

OBSERVED: See Method of Item Investigation

POSITION DETERMINED BY: Multiple LOP, Falcon Mini-Rangers

METHOD OF ITEM INVESTIGATION: Main scheme hydrography was split to twenty five meters in both directions for a 200 meter radius and nothing was found. ~~The soundings for this development were designated No Smooth Plot, but were plotted on a 1:5000 scale sheet which is included with this description.~~ Plotted on the smooth sheet.

CHARTING RECOMMENDATIONS:The hydrographer recommends charting the soundings from H-10347. Concur. ✓

COMPILATION USE

CHART: APPLIED AS:

CHARTING AND GEODETIC SERVICES RADM WESLEY V. HULL DIF

LONG ISLAND SOUND, NEW YORK
ROCKY POINT TO FORBES ROCKS

E16000 LON 73:40:00 LON 73:39:45 E16

LAT 40:52:15

N22500

LAT 40:52:00

N22000

LON 73:40:15

AWOIS #6543

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Coast and Geodetic Survey
Norfolk, Virginia 23510-1114

Atlantic Hydrographic Section
439 West York Street

August 27, 1991

MEMORANDUM FOR: Captain Dean R. Seidel, NOAA
Chief, Hydrographic Surveys Branch

FROM: Christopher B. Lawrence
Commander Christopher B. Lawrence, NOAA
Chief, Atlantic Hydrographic Section

SUBJECT: Review of Atlantic Hydrographic Party Two OPR-B285 CY90 Surveys for Additional Work Recommendations

Review of seven AHP2 surveys conducted in Long Island Sound during CY 1990 to identify required additional field work has been completed. All seven surveys require supplemental data to resolve incomplete investigations. These surveys will be fully processed at AHS in their current condition. It is recommended that additional work on each survey be performed as a seperate field examination, and the survey data for each area be presented on page-size plots which coincide with each of the area-attachments provided. The page-size plots should be inserted in the descriptive report for each field examination.

A description of recommended work areas (along with a copy of the chart blowup with features highlighted in each area, copy of the field sheet, and copy of the field overlay - each labeled on the reverse-side, lower left corner) for each of the following surveys are attached. Areas are listed from west to east for each survey. Time estimates do not include set-up and tear-down of support equipment.

H-10346	AHP-10-7-90
H-10347	AHP-10-8-91
H-10348	AHP-10-9-90
H-10349	AHP-10-10-90
H-10351	AHP-10-11-90
H-10353	AHP-10-12-90
H-10354	AHP-10-13-90

Time estimated for this field work is approximately 33 days. Also attached is a memorandum from LT Waddington in response to a request for his estimated diving potential for the Long Island Sound Project. Although he anticipates sufficient capability, the feasibility of diving is dependent upon water quality.

It is therefore recommended that project instructions for this additional work, as well as newly assigned items, specify an alternate method of investigation for each item should diving not be feasible.

Attachments

H-10347
AHP-10-8-90
Hempstead Harbor

Time Estimate: 3 Days

Attachments: 5

AWOIS Items Not Completed:

AWOIS 4397 - 32 ft. sounding. Was assigned, hydrographer assumed FE-293 had resolved it and did not complete it. Echosounder development (maximum 10-meter line-spacing) required. Verify or disprove least depth.

No - See addendum to Ex Rept for FE-293SS JOAB 8/18/92

(See Attachments 1)

[1 Day*]

AWOIS 6507 - 16 ft. reported shoal. Disproved by 25-meter line spacing. Found 12.2 m least depth in area. Recommend development with maximum 10-meter line spacing and star-pattern search. Verify or disprove least depth.

(See Attachments 1)

[*]

AWOIS 6508 - 28 ft. reported shoal. Disproved by 25-meter line-spacing. Recommend development with maximum 10-meter line-spacing and star-pattern search. Verify or disprove least depth.

(See Attachments 1)

[*]

AWOIS 6378 - Pier ruin. Search was conducted in the wrong area, 500 m north of the listed position. Re-investigate to verify or disprove existence.

(See Attachment 5)

[1 Day*]

AWOIS 6370 - Dangerous submerged wreck in a special anchorage. Disproved by 25-meter line-spacing both directions.

Recommend bottom drag or echosounder development using maximum allowable line-spacing (10-meter recommended) if drag is not possible.

(See Attachments 3)

[*]

AWOIS 6379 - Two pier ruins. Search was conducted 50 m north of AWOIS position and item disproved. Extent of visual search not specified. Also, the detached position for the search is located at the end of a T-sheet groin which is confusing. Recommend re-investigation at listed position.

(See Attachments 3)

[*]

AWOIS 6373 - Dangerous submerged wreck in channel. Disproved by 50-meter line-spacing and visual search which is considered insufficient. Recommend echosounder development using 10-meter line-spacing over the specified radius or a bottom drag to verify or disprove least depth.

(See Attachments 4)

[*]

Work Area Recommendations:

Charted Features

1. Investigate the charted 5 ft. submerged rock off Prospect Point. Recommend echosounder development and star-pattern search or visual search at low water.

Investigate the 2 ft. rock east of Prospect Point at low water.

Investigate the seaward limit of foul area from the tip of Prospect Point westward 600 meters alongshore to delineate foul limit.

(Attachments 1)

[1 Day*]

2. Investigate the 2 ft. and 3 ft. submerged rocks, and rock awash east of Prospect Point (Brown House) at low water.

(See Attachments 2).

[*]

3. Investigate the 2 ft. submerged rock (Picket Rock) off Mott Point. The least depth found in the area on this survey is 2.1 m.

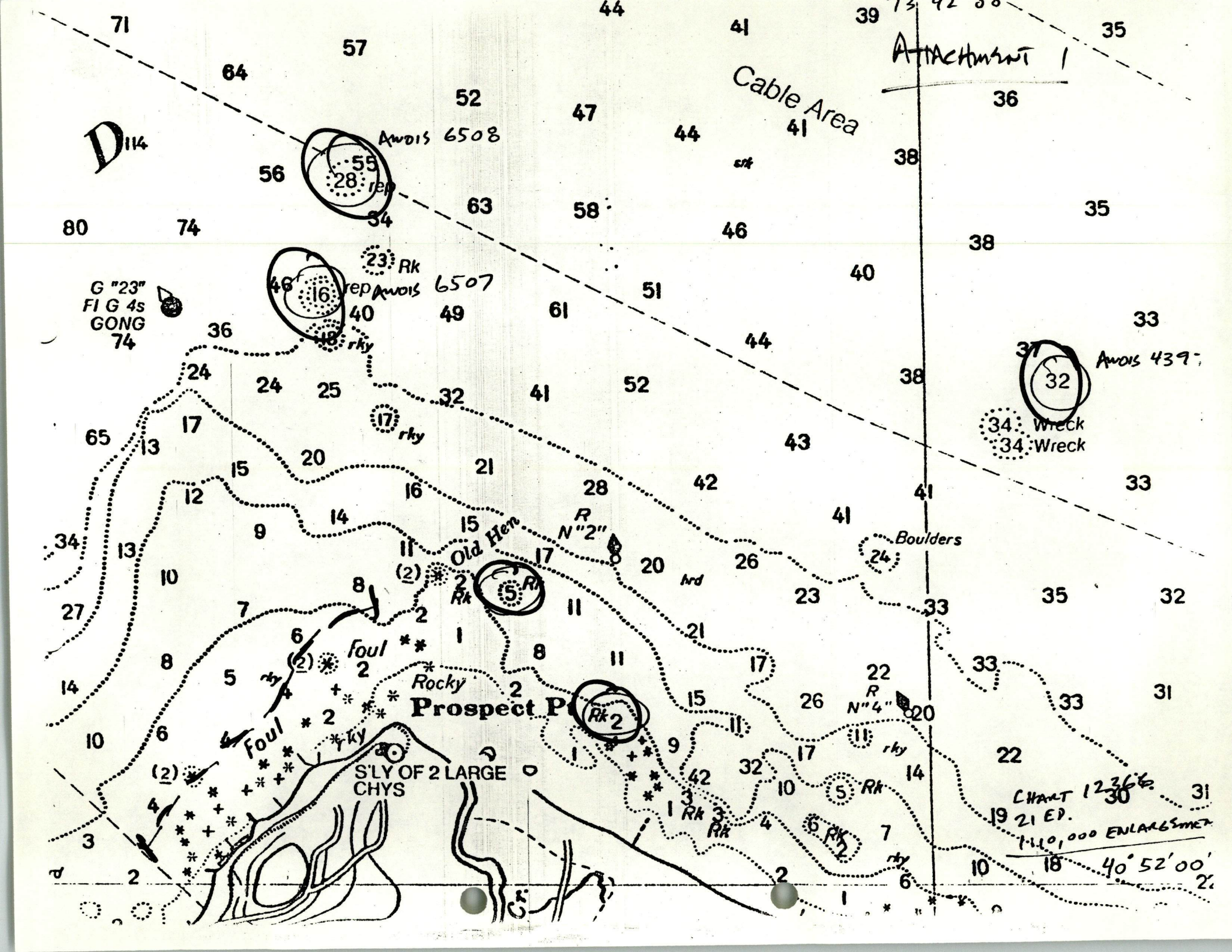
(See Attachments 2).

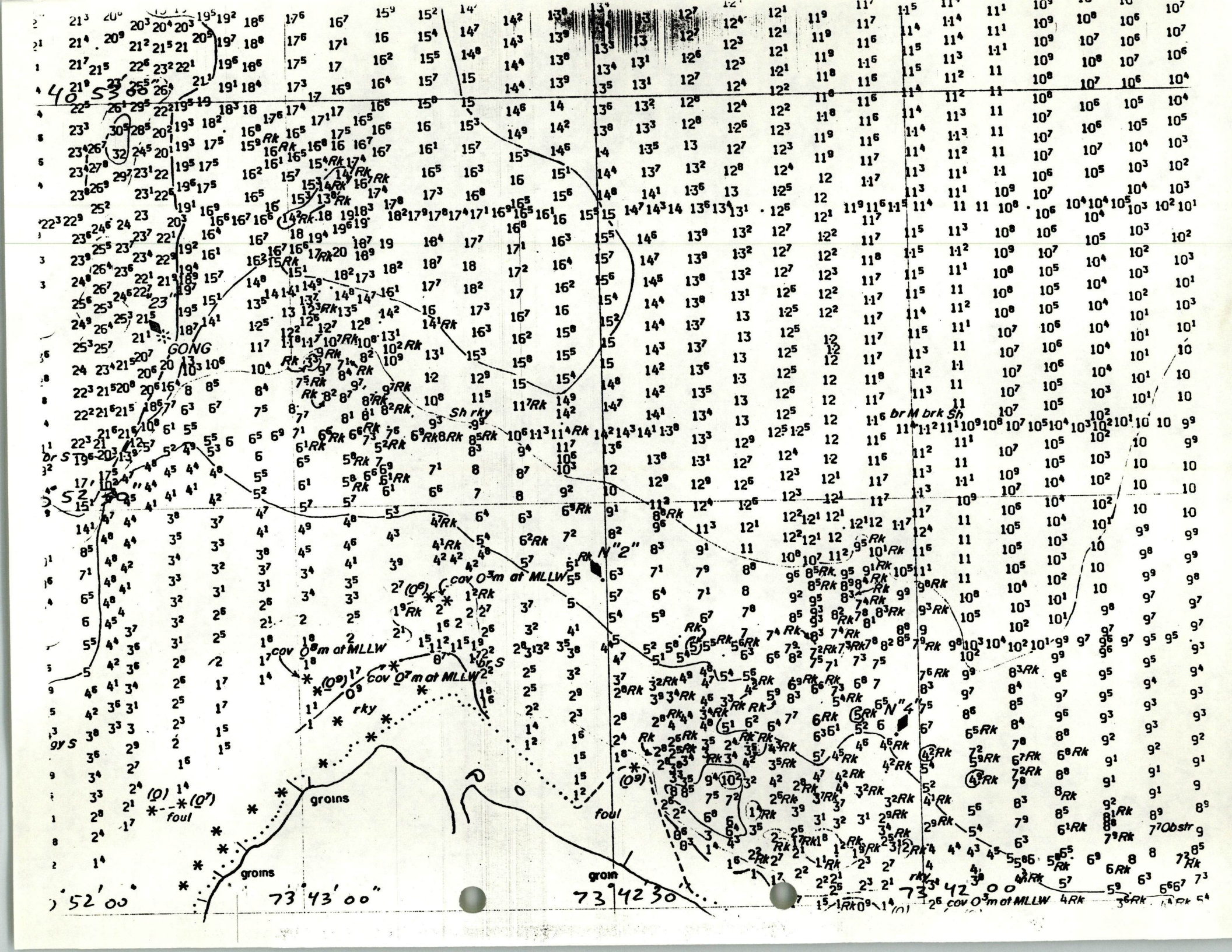
[*]

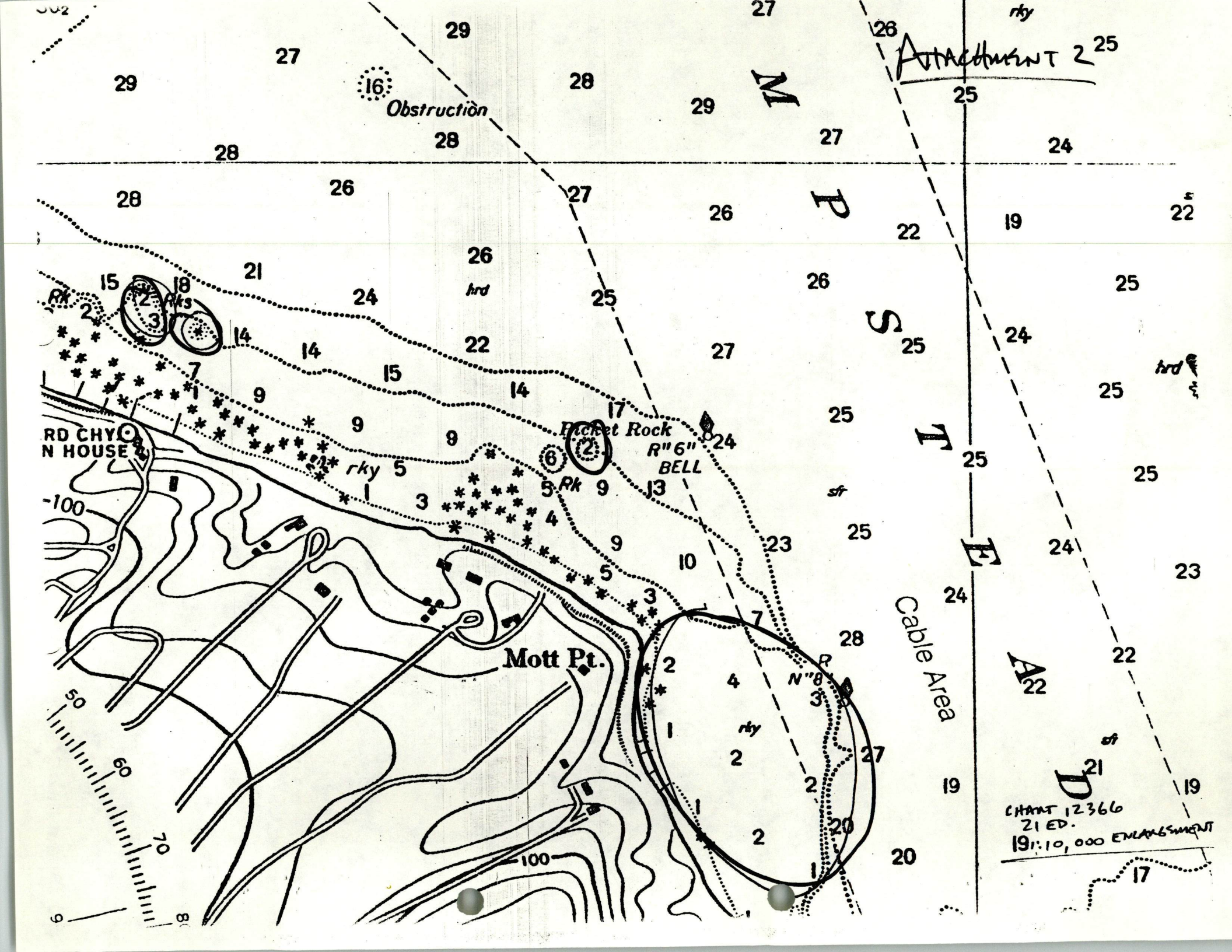
4. Develop the shoal southeast of Mott Point out to the 2 meter curve. Use E-W 50-meter line-spacing to define this shoal. Recommend bottom sample to define bottom type. Current survey shows indication of shoaling on the eastern edge of this area.

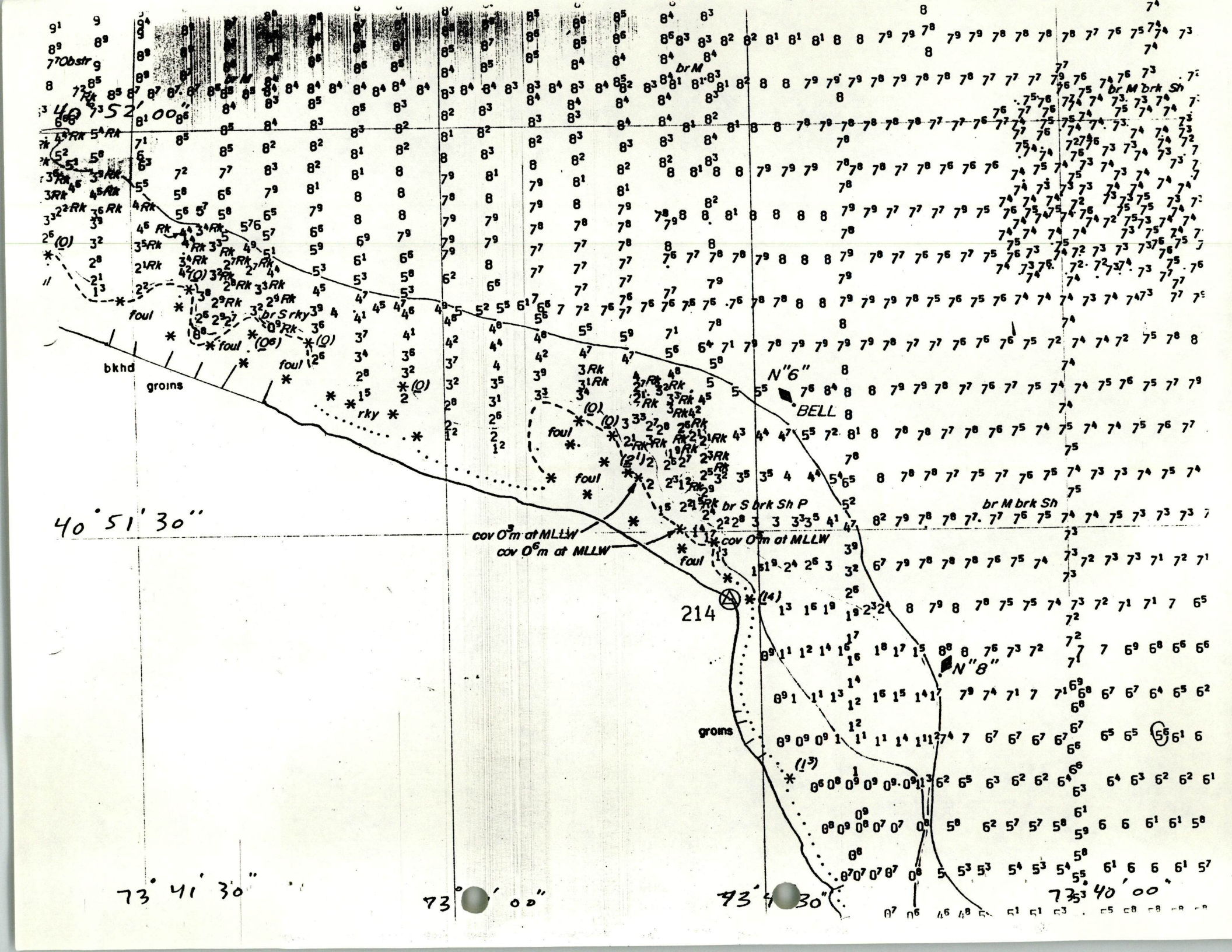
(See Attachments 2).

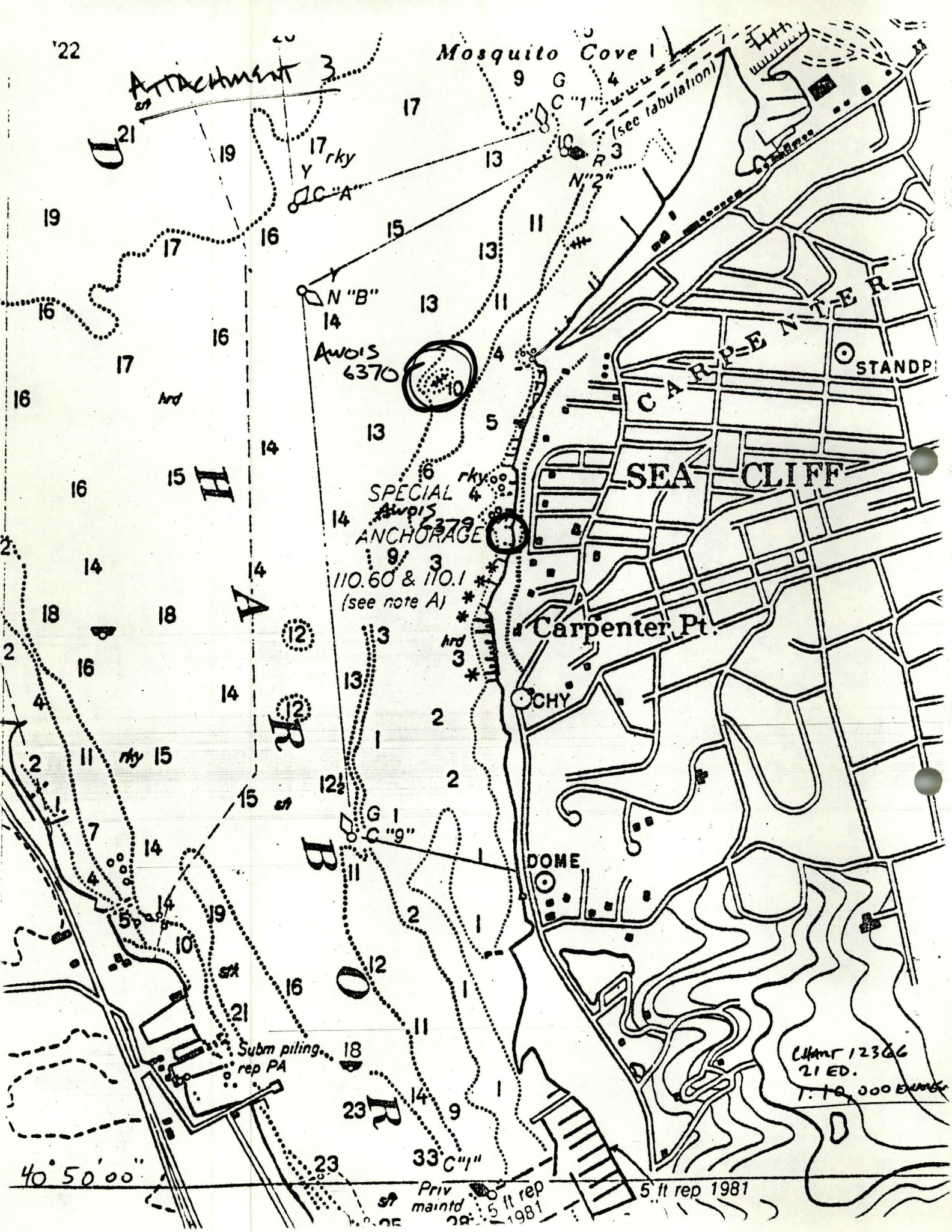
[*]

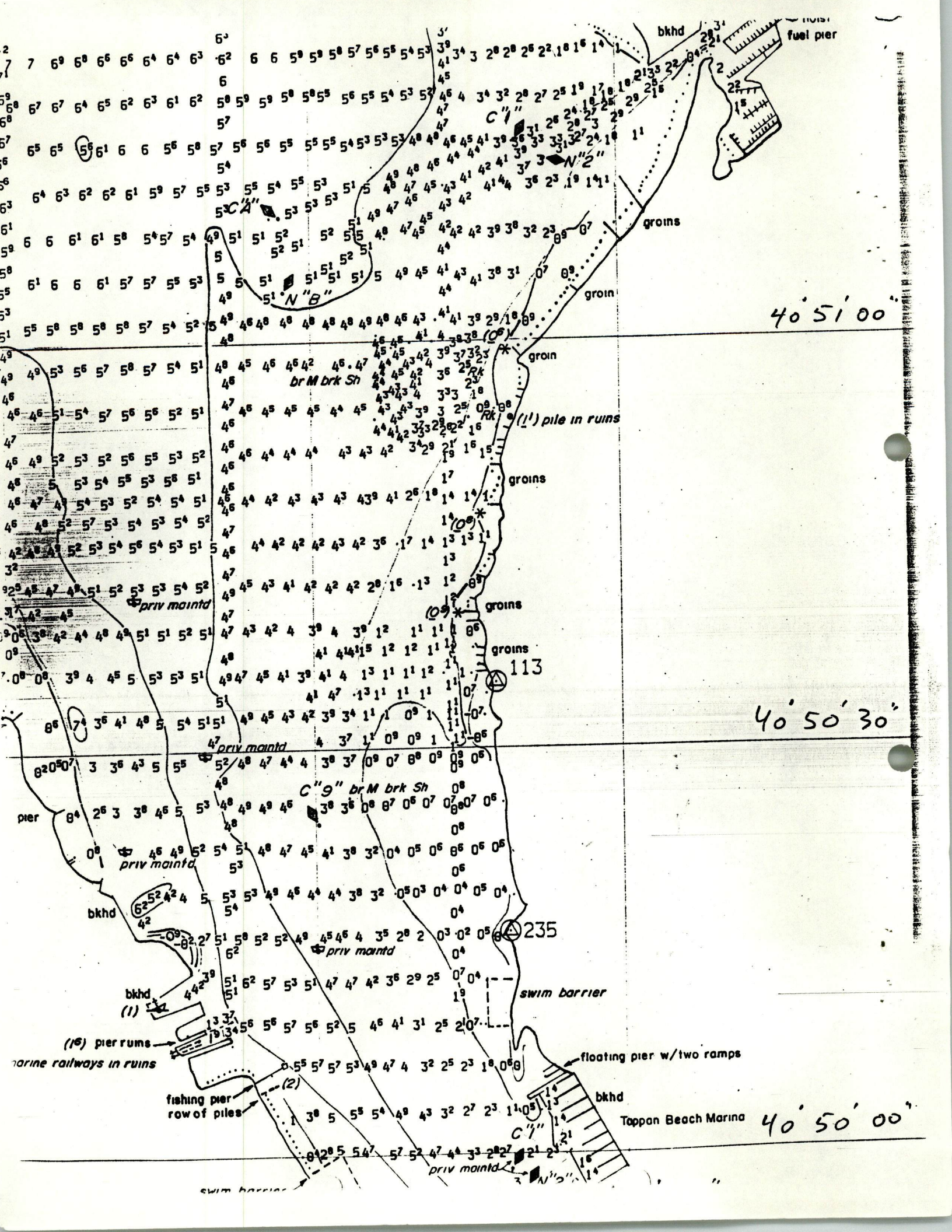

ATTACHMENT 1
Cable Area
D114
Awois 6508
Awois 6507
Awois 439
G "23"
Fl G 4s
GONG
74
23 Rk
rep
rky
34 Wreck
34 Wreck
R
N "2"
Old Hen
Boulders
Foul
Rocky
Prospect P
S'LY OF 2 LARGE
CHYS
CHART 12366
21 ED.
1:10,000 ENLARGEMENT
40°52'00"

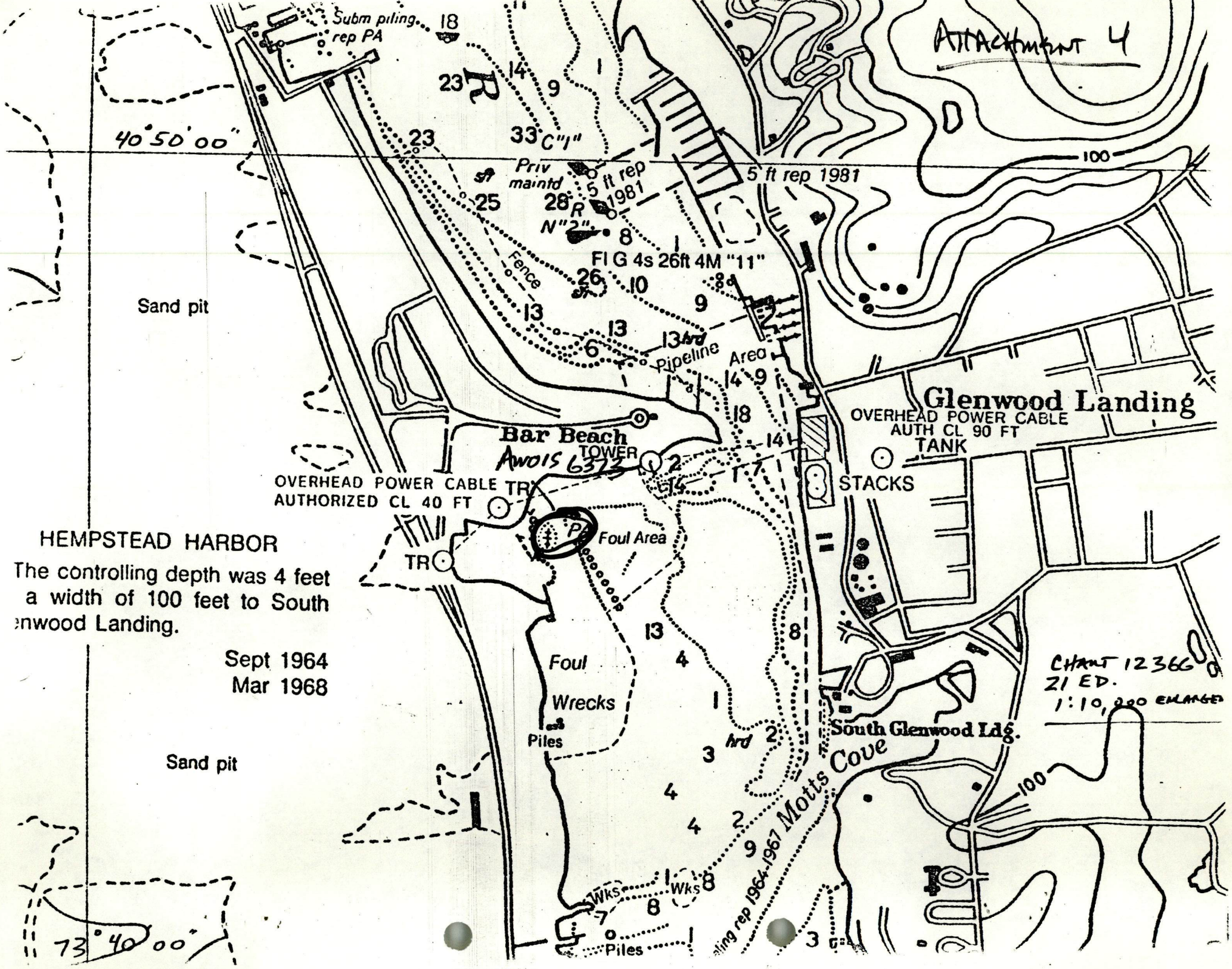

40 53 00
52 00
73 43 00"
73 42 30
73 42 00
GONG
"2"
"4"
groins
groins
groin
foul
foul
rky
Sh rky
br M brk Sh
cov O3m at MLLW
cov O3m at MLLW
cov O3m at MLLW
cov O3m at MLLW
brS
gy S


ATTACHMENT 2
Obstruction
Picket Rock
R"6"
BELL
RD CHYD
N HOUSE
rky
Mott Pt.
Cable Area
N"8
CHART 12366
21 ED.
1:10,000 ENLARGEMENT

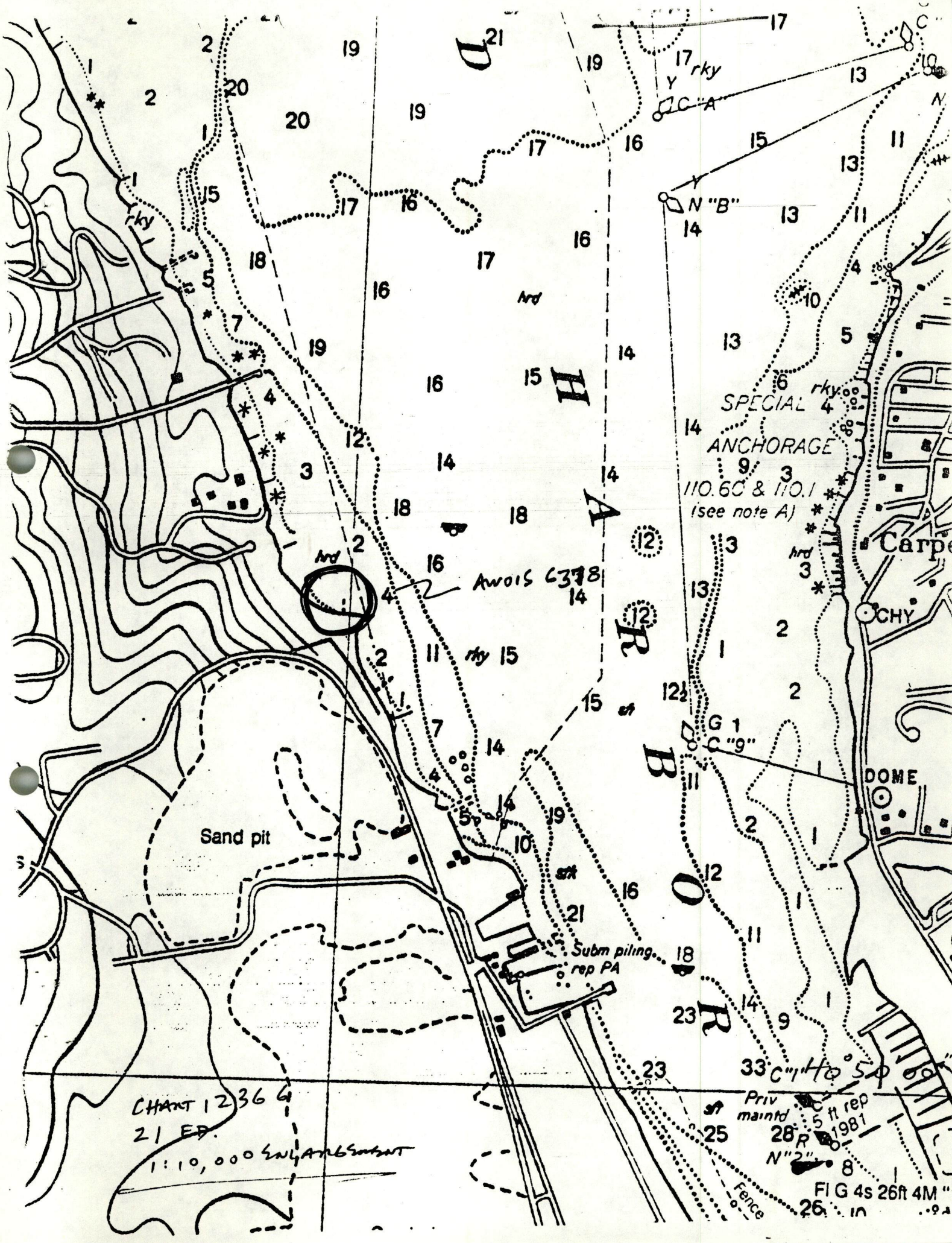

40° 52' 00"
40° 51' 30"
73° 41' 30"
73° 40' 00"
73° 40' 30"
73° 39' 00"
bkhd
groins
foul
rky
br S rky
br M
br M brk Sh
br S brk Sh P
cov 0⁵m at MLLW
cov 0⁶m at MLLW
cov 0⁵m at MLLW
N"6"
BELL
N"8"
214
groins


'22
ATTACHMENT 3
Mosquito Cove
(see tabulation)
N "2"
N "B"
AWOIS 6370
SPECIAL ANCHORAGE
AWOIS 6379
110.60 & 110.1
(see note A)
CARPENTER
SEA CLIFF
Carpenter Pt.
CHY
DOME
HARBOR
Subm piling rep PA
Priv maintd
5 ft rep 1981
5 ft rep 1981
40°50'00"
Chart 12366
21 ED.
1:10,000


bkhd
fuel pier
C"1"
N"2"
C"A"
groins
N"B"
40°51'00"
groin
(0⁶)
brM brk Sh
Rk
(1') pile in ruins
groins
(0⁸)
(0⁹)
groins
groins
113
priv maintd
40°50'30"
priv maintd
C"9" brM brk Sh
pier
priv maintd
bkhd
235
priv maintd
bkhd
(1)
swim barrier
(16) pier ruins
floating pier w/two ramps
marine railways in ruins
bkhd
(2)
fishing pier
row of piles
Tappan Beach Marina
40°50'00"
C"1"
priv maintd
N"3"
swim barrier


ATTACHMENT 4
Subm piling rep PA
18
23
14
9
1
40°50'00"
23
33 C"1"
Priv maintd
5 ft rep 1981
28 R
N"2"
8
25
Fence
FlG 4s 26ft 4M "11"
26
10
9
8
13
13
6
13 hrd
Pipeline Area
Sand pit
14
9
18
14
Bar Beach
TOWER
AWOIS 6372
OVERHEAD POWER CABLE TR
AUTHORIZED CL 40 FT
TR
P
Foul Area
Glenwood Landing
OVERHEAD POWER CABLE
AUTH CL 90 FT
TANK
STACKS
5 ft rep 1981
100
HEMPSTEAD HARBOR
The controlling depth was 4 feet
a width of 100 feet to South
enwood Landing.
Sept 1964
Mar 1968
Foul
Wrecks
Piles
13
4
1
hrd
2
3
4
4
2
9
8
Wks
Wks
8
7
Piles
Motts Cove
South Glenwood Ldg.
CHART 12366
21 ED.
1:10,000 ENLARGED
100
Sand pit
73°40'00"


73° 40' 00"
40° 50' 00"
40° 49' 30"
bkhd
(1)
(16) pier ruins
two marine railways in ruins
fishing pier
row of piles
(2)
swim barrier
floating pier w/two ramps
bkhd
Toppan Beach Marina
C "1"
priv maintd
"2"
swim barrier
A
Obstr (tower)
br S M Sh
bkhd
(02) Obstr (1ft dia pipe 30 ft long)
bkhd
swim barrier
pier
(26) two priv markers (lighted)
bkhd
ovhd cable 156
bkhd
pier
(17)
foul w/ Wks
(29)
bkhd ruins
dol (42')
dol (42')
ovhd cable
bkhd
(52)
(32)
foul w/ Wks
(27)
bkhd
bkhd
(19) dol
Grs
(29) row of piles in ruins
priv maintd
pier ruins (08m at MLLW)
pier
br M brk Sh


SPECIAL
ANCHORAGE
110.6C & 110.1
(see note A)
AWOIS C378
Sand pit
Subm piling
rep PA
Priv
maintd
5 ft rep
1981
N "2"
Fence
FI G 4s 26ft 4M
DOME
CHY
N "B"
C "A"
C "g"
G 1
CHART 1236
21 ED.
1:10,000 ENLARGEMENT

APPROVAL SHEET
BASIC HYDROGRAPHIC SURVEY
OPR-B285
AHP-10-8-90
H-10347

This basic hydrographic survey was conducted in accordance with the project instructions for OPR-B285-AHP2, the hydrographic manual, the hydrographic survey guidelines, and the field procedures manual. The survey data and reports were completed and reviewed in their entirety and all supporting records were also checked.

This survey is a complete basic hydrographic survey for the area described in Section B of this report.

V. Dale Ross
LCDR NOAA
Chief, Atlantic Hydrographic Party Two

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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: January 7, 1991

MARINE CENTER: ATLANTIC

OPR: B285-AHP-2

HYDROGRAPHIC SHEET: H-10347

LOCALITY: Western Long Island Sound; Hempstead Harbor

TIME PERIOD: June 14 to August 13, 1990

TIDE STATION USED: 851-6614 Glen Cove Yacht Club, N.Y.
851-6761 Port Washington, N.Y.

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 851-6614 = 2.03 ft.
851-6761 = 4.40 ft.

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 851-6614 = 7.5 ft.
851-6761 = 7.6 ft.

REMARKS: RECOMMENDED ZONING

1. In Long Is. Sound and Hempstead Harbor, west of 73 38.0'W, east of 73 44.0'W and south of 40 54.5'N (excluding Manhasset Bay), times and heights are direct on 851-6614.

2. Inside Manhasset Bay, time and heights are direct on 851-6761.

James R. Hubbard

CHIEF, TIDAL DATUM QUALITY
ASSURANCE SECTION

NOAA FORM 76-155
(11-72)

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

GEOGRAPHIC NAMES

SURVEY NUMBER

H-10347

Name on Survey	A ON CHART NO. 12366	B ON PREVIOUS SURVEY NO.	C ON U.S. QUADRANGLE MAPS	D FROM LOCAL INFORMATION	E ON LOCAL MAPS	F P.O. GUIDE OR MAP	G RAND MCNALLY ATLAS	H U.S. LIGHT LIST	K	
BAR BEACH (beach)	X									1
CARPENTER POINT	X									2
DOSORIS ISLAND	X									3
GLEN COVE	X									4
GLEN COVE CREEK	X									5
GLEN COVE LANDING										6
GLENWOOD LANDING	X									7
HEMPSTEAD HARBOR	X									8
LONG ISLAND SOUND	X									9
MATINECOCK POINT	X									10
MOSQUITO COVE	X									11
MOTT POINT	X									12
MOTTS COVE	X									13
NEW YORK (title)	X									14
OLD HEN	X									15
PICKET ROCK	X									16
PROSPECT POINT	X									17
RED SPRING POINT	X									18
ROSLYN	X									19
ROSLYN HARBOR	X									20
SEA CLIFF	X									21
TAPPEN BEACH (beach)	X									22
WEEKS POINT	X									23
										24
										25

Approved:

Charles E. Harrington

Chief Geographer

JUN 16 1992

NOAA FORM 76-155 SUPERSEDES C&GS 197

NOAA FORM 61-29
(12-71)

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

LETTER TRANSMITTING DATA

REFERENCE NO.
N/CG244-51-93

DATA AS LISTED BELOW WERE FORWARDED TO YOU BY *(Check)*:

☐ ORDINARY MAIL ☐ AIR MAIL
☐ REGISTERED MAIL ☒ EXPRESS
☐ GBL *(Give number)* _____
FEDERAL EXPRESS

DATE FORWARDED
15 April 1993

NUMBER OF PACKAGES
1 box, 1 tube

TO:

Chief, Data Control Section, N/CG243
NOAA/National Ocean Service
Room 151, WSC-2, 6015 Executive Blvd.,
Rockville, Maryland 20852

NOTE: A separate transmittal letter is to be used for each type of data, as tidal data, seismology, geomagnetism, etc. State the number of packages and include an executed copy of the transmittal letter in each package. In addition the original and one copy of the letter should be sent under separate cover. The copy will be returned as a receipt. This form should not be used for correspondence or transmitting accounting documents.

H-10347

New York, Long Island Sound, Hempstead Harbor

1 Tube containing:

1 Final Smooth Sheet
1 Final Smooth Position Overlay
2 Excess Overlays
6 Smooth Field Plots (2 (two) track, 2 (two) detached position, and 2 (two) sounding plots)

1 Box containing:

1 **Original Descriptive Report for H-10347**
1 Envelope containing Miscellaneous Data removed from the original Descriptive Report
1 Envelope containing Supplemental data removed from printouts
1 Envelope containing sounding correctors (velocity, tide and TRA data)
1 Cahier with final sounding, position, and control listing
1 Accordion file containing fathograms and daily printouts for:
vessel no. 0517 for JDs: 165, 166, 170, 171, 173, 176, 178, 184, 186, 190, 191, 192, 193, 197, 198, 199, 200, 206, 207, 208, and 225

FROM: *(Signature)* Deborah A. Bland
Deborah A. Bland

RECEIVED THE ABOVE
(Name, Division, Date)

D. S. Clark
APR 26 1993

Return receipted copy to:

Atlantic Hydrographic Section, N/CG244
439 W. York Street
Norfolk, VA 23510-1114

04/14/93

HYDROGRAPHIC SURVEY STATISTICS
REGISTRY NUMBER: H-10347

NUMBER OF CONTROL STATIONS		11
NUMBER OF POSITIONS		2556
NUMBER OF SOUNDINGS		11625
	TIME-HOURS	DATE COMPLETED
PREPROCESSING EXAMINATION	86	12/03/91
VERIFICATION OF FIELD DATA	312	10/17/91
ELECTRONIC DATA PROCESSING	104	
QUALITY CONTROL CHECKS	183	
EVALUATION AND ANALYSIS	447	03/12/93
FINAL INSPECTION	71	02/23/93
TOTAL TIME	1203	
ATLANTIC HYDROGRAPHIC SECTION APPROVAL		03/17/93

COAST AND GEODETIC SURVEY
ATLANTIC HYDROGRAPHIC SECTION
EVALUATION REPORT

SURVEY NO.: H-10347 FIELD NO.: AHP-10-8-90

New York, Long Island Sound, Hempstead Harbor

SURVEYED: 14 June through 13 August 1990

SCALE: 1:10,000 PROJECT NO.: OPR-B285-AHP2

SOUNDINGS: RAYTHEON DE-719CM Fathometer, Leadline, Sounding Pole

CONTROL: MOTOROLA Falcon 484 Mini-Ranger (Range/Range),MOTOROLA Falcon 484 Mini-Ranger/NIKON NT2D Theodolite (Range/Azimuth), See-Field-Sheet

Chief of Party.....V. D. Ross

Surveyed by.....M. J. McMann
.....M. P. Conricote
.....B. A. Link
.....T. M. Rybarski
.....M. J. Briscoe

Automated Plot by.....XYNETICS 1201 Plotter (AHS)

1. INTRODUCTION

a. No unusual problems were encountered during office processing.

b. Notes in the Descriptive Report were made in red during office processing.

2. CONTROL AND SHORELINE

a. Control is adequately discussed in sections H., I., and T. of the Descriptive Report.

Horizontal control used for this survey during data acquisition is based upon the North American Datum of 1983 (NAD 83). Office processing of this survey is based on these values. The smooth sheet has been annotated with ticks showing the computed mean shift between the survey datum and the North American Datum of 1927 (NAD 27). To place this survey on the NAD 27 datum move the projection lines 0.359 seconds (11.07 meters or 1.11 mm at the scale of the survey) north in latitude, and 1.535 seconds (35.93 meters or 3.59 mm at the scale of the survey) east in longitude.

All geographic positions listed in this report have been converted to NAD 83 using the program CORPSCON. Any data brought forward from prior surveys to supplement the present survey have been converted to the present survey datum.

b. Shoreline originates with 1:10,000 scale enlargements of 1:20,000 scale final reviewed Class III photogrammetric manuscripts TP-01269 and TP-01270 of 1984-87. The quality of the enlargements provided to this office was adequate at best. Shoreline revisions originating with the present survey are shown in red on the smooth sheet.

3. HYDROGRAPHY

a. Soundings at crossings are in agreement and comply with the criteria found in sections 4.6.1 and 6.3.4.3. of the HYDROGRAPHIC MANUAL.

b. The standard depth curves could be drawn in their entirety. The zero (0) curve was not delineated in its entirety because of vessel safety. Brown and dashed curves were drawn to show additional bottom relief.

c. The development of the bottom configuration and determination of least depths is considered adequate with the following exceptions:

1) Additional work was recommended for six AWOIS items and six features that were deemed deficient during the preprocessing phase of office processing. These features are listed in the memorandum "Review of Atlantic Hydrographic Party Two OPR-B285 CY90 Surveys for Additional Work Recommendation", dated August 27, 1991. A copy of the memorandum is appended to the Descriptive Report.

2) South of Latitude 40°50'45"N, where the channel in Hempstead Harbor narrows, it would have been desirable to reduce line spacing to better define the channel.

The items discussed above do not significantly degrade the overall quality of the present survey.

4. CONDITION OF SURVEY

The smooth sheet and accompanying overlays, hydrographic records and reports conform to the requirements of the HYDROGRAPHIC MANUAL.

5. JUNCTIONS

H-10353 (1990) to the northeast

An adequate junction was effected with H-10353 (1990).

There are no contemporary surveys to the north, south, east or west of the present survey. Charted hydrography is in general harmony with the present survey in the junctional areas.

6. COMPARISON WITH PRIOR SURVEYS

a. Hydrographic

H-1732	(1886)	1:20,000
H-5544	(1934)	1:10,000
H-5545	(1934)	1:10,000

The above prior hydrographic surveys cover the area surveyed in its entirety.

Prior survey H-1732 (1886) covers the area north of Latitude 40°52'47"N on the present survey. The prior survey datum was not shown on the sheet and NAD 27 datum adjustment ticks are not on the prior survey. Present survey depths are generally 0^3 to 0^6 m (1 to 2 feet) shoaler than prior survey depths. The following should be noted:

1) In the vicinity of Matinecock Point prior survey depths between the low water line and the 18 foot depth curve compare favorably. Generally present survey depths are 0^3 to 0^6 m (1 to 2 feet) deeper than prior survey depths.

2) Two prior survey depths, 48 feet (14^6 m) and 49 feet (15^1 m), in the vicinity of Latitude 40°53'54"N, Longitude 73°39'36"W, are approximately 7 feet (2^1 m) deeper than present survey depths. 12367#✓

3) Several prior survey depths, in the vicinity of Latitude 40°53'00"N Longitude 73°43'15"W, near the 10 fathom curve, are as much as 9^1 m (30 feet) deeper than present survey depths. 12366#✓

The differences between prior survey depths and the present survey depths may be attributed to either natural changes, horizontal datum differences, differences in the

vertical plane of reference, improved hydrographic surveying methods and equipment, or any combination of the above reasons.

Prior survey H-5544 (1934) is common to the present survey in the area north of Latitude 40°51'48"N and east of Longitude 73°39'54"W Prior survey depths show a general trend of varying plus or minus (±) $0\text{-}0^{9}$ m (0-3 ft). There are some scattered prior survey depths that are 0^{9} to 2^{1} m (3 to 7 ft) deeper than present survey depths. These depths are considered disproved by the present survey. The following should be noted:

1) The following charted soundings originate with the prior survey and were neither verified nor disproved by the present survey:

Sounding	Latitude (N)	Longitude (W)
1-ft (0^{3} m)	40°53'18.73"	73°38'37.74"
1-ft (0^{3} m)	40°53'25.55"	73°38'32.28"
2-ft (0^{6} m)	40°53'29.73"	73°38'29.87"

These soundings have been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

2) Two charted rocks, centered in Latitude 40°53'35.76"N, Longitude 73°38'30.00"W, originate with the prior survey and fall in a foul area shown on the present survey. It is recommended that the area be revised and charted as shown on the present survey.

3) Two charted ruins, centered in Latitude 40°53'39.46"N, Longitude 73°38'25.13"W, originate with the prior survey. These ruins are not shown on the shoreline manuscripts and were not investigated by the field unit. The ruins were brought forward from the prior survey to supplement the present survey. It is recommended that the charted ruins be revised to submerged ruins.

4) Two charted ledges, in the vicinity of Latitude 40°53'42.38"N, Longitude 73°38'26.11"W, originate with the prior survey as rocks uncovering at the sounding datum. The shoreline manuscript shows six rocks in the area. The field unit delineated a foul limit that encompasses the charted ledges. It is recommended that the ledges be deleted and the area be charted as shown on the present survey.

5) A charted rock, in Latitude 40°53'13.11"N, Longitude 73°38'42.53"W, originates with the prior survey. The rock was neither verified nor disproved by the present survey. The rock was brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

Prior survey H-5545 (1934) covers the majority of the present survey. Prior survey depths show a general trend of being $0\text{-}0^{9}$ m (0-3 feet) deeper than present survey depths. The following should be noted:

1) AWOIS Items #6368 and #6369 originate with the prior survey. A discussion and charting recommendation for each item are appended to the Descriptive Report.

2) Shoreline changes between the prior and present surveys are apparent throughout the common area. These changes may be attributed to either natural or cultural changes, difference in the vertical plane of reference, or any combination of the above reasons.

3) Numerous charted rocks in the nearshore area, between Longitude 73°43'15"W and Mott Point, originate with the prior survey and unascertainable sources. These rocks are within a foul area shown on the present survey. It is recommended that the area be revised and charted as shown on the present survey.

4) Two charted rocks, in Latitude 40°52'11.64"N, Longitude 73°42'29.55"W and Latitude 40°52'11.21"N, Longitude 73°42'30.17"W, originate with the prior survey. The rocks were not adequately developed by the field unit. The rocks have been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

5) A charted rock with a depth of 2-ft (0^{6} m), in the vicinity of Latitude 40°52'12.4"N, Longitude 73°42'30.3"W, originates with the prior survey. The rock was not investigated by the field unit. Additional lines of hydrography should have been run to determine the existence of the rock. The rock has been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

6) A charted rock with a depth of 5-ft (1^{5} m), in the vicinity of Latitude 40°52'22.60"N, Longitude 73°42'38.98"W, originates with the prior survey. The rock was

not investigated by the field unit. Additional lines of hydrography should have been run to determine the existence of the rock. The rock has been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

7) Two charted rocks with depths of 3-ft (0^9 m), in the vicinity of Latitude 40°52'06.50"N, Longitude 73°42'19.35"W and Latitude 40°52'05.40"N, Longitude 73°42'20.40"W, originate with the prior survey. The rocks were not adequately investigated by the field unit. Additional lines of hydrography should have been run to determine the existence of the rocks. The rocks have been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

8) A charted rock with a depth of 2-ft (0^6 m), in the vicinity of Latitude 40°52'03.34"N, Longitude 73°42'07.45"W, originates with the prior survey. A rock was found by the field unit with a depth of 1^1 meters (3 feet), in Latitude 40°52'03.21"N, Longitude 73°42'10.23"W. The rock shown on the present survey is probably the charted rock, but the area was not adequately investigated by the field unit so this cannot be proved. The rock has been brought forward from the prior survey to supplement the present survey. It is recommended that the charted rock be retained as charted, and another rock with a depth of 1^1 meters (3 feet) (1^1 *RK*) and a danger curve be charted as shown on the present survey.

12366

9) A charted rock with a depth of 5-ft (1^5 m), in the vicinity of in Latitude 40°52'06.9"N, Longitude 73°42'07.7"W originates with the prior survey. The rock was not found by the field unit. Present survey depths in the vicinity of the rock are 3^3 m (11 feet). This area is saturated with rocks. The rock has been brought forward from the prior survey to supplement the present survey. It is recommended that the rock be retained as charted.

10) A charted 11-ft (3^4 m) sounding, in Latitude 40°52'11.31"N, Longitude 73°42'06.46"W, originates with the prior survey. This shoal sounding was not adequately developed by the field unit. Surrounding depths on the present survey range from 4^3 to 4^6 m (14 to 15 feet). Additional lines of hydrography should have been run to adequately delineate the shoal sounding. The sounding has been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

11) A charted 17-ft (5^2 m) sounding, in Latitude 40°52'35.4"N, Longitude 73°42'51.5"W originates with the prior survey. The hydrographer located a rock with an fathometer depth of 5^2 m (17 feet), in Latitude 40°52'34.35"N, Longitude 73°42'51.77"W. It is recommended that the charted 17-ft (5^2 m) depth be deleted, and a rock with a depth of 5^2 m (17 feet) (5^2 *Rk*) with a danger curve be charted as shown on the present survey. 12366

12) A charted 18-ft (5^5 m) sounding, in Latitude 40°52'40.4"N, Longitude 73°42'56.5"W, originates with the prior survey. The hydrographer located a rock with a depth of 3^3 m (11 feet), in Latitude 40°52'40.67"N, Longitude 73°42'58.28"W. It is recommended that the charted 18 foot (5^5 m) depth be deleted and a rock with a depth of 3^3 m (11 feet) (3^3 *Rk*) with a danger curve be charted as shown on the present survey. 12366

13) Three charted rocks, in Latitude 40°51'53.81"N, Longitude 73°41'49.89"W, Latitude 40°51'53.66"N, Longitude 73°41'46.56"W, and Latitude 40°51'52.11"N, Longitude 73°41'45.96"W, originating with the prior survey were neither verified nor disproved by the field unit. These rocks have been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

14) Charted rocks along the shoreline from Longitude 73°41'46.5"W, east to Longitude 73°40'30.5"W originate with the prior survey and are shown on the present survey as a foul area. It is recommended that the area be revised and charted as shown on the present survey. 12366

15) A charted rock with a depth of 2-ft (0^6 m), in Latitude 40°51'49.92"N, Longitude 73°41'25.09"W, originates with the prior survey. The rock was not investigated by the field unit. The rock has been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended pending additional field work.

16) A charted 8-ft (2^4 m) sounding, in Latitude 40°51'57.4"N, Longitude 73°41'38.5"W, originates with the prior survey. A rock that covers 1^6 m (5 feet) was located in Latitude 40°51'58.88"N, Longitude 73°41'40.45"W. The field unit located numerous rocks in this area. It is recommended that the charted sounding be deleted, and the area be charted as shown on the present survey. 12366

17) A charted rock with a depth of 2-ft (0^6 m), in Latitude 40°51'50.74"N, Longitude 73°41'19.58"W, and a charted rock with a depth of 3-ft (0^9 m), in Latitude 40°51'48.22"N, Longitude 73°41'18.81"W, originate with the prior survey. The rocks were investigated by the field unit. The surrounding area has many submerged rocks. The two rocks are the shoalest rocks in the immediate vicinity and have been brought forward from the prior survey to supplement the present survey. Additional lines of hydrography should have been run to verify or disprove the existence of these rocks. No change in charting status is recommended for the rocks. Surrounding survey data should also be considered for charting as shown on the present survey.

18) A charted rock awash with a danger curve, in Latitude 40°51'48.43"N, Longitude 73°41'14.56"W, originates with the prior survey. The rock was not investigated by the field unit. The present survey found the bottom west of the rock to be rocky. Additional lines of hydrography should have been run to verify or disprove the existence of this rock. The rock has been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended. Surrounding survey data should also be considered for charting as shown on the present survey.

19) A charted rock awash with a danger curve, in Latitude 40°51'47.93"N, Longitude 73°41'20.12"W, originates with the prior survey. The rock was investigated by the field unit. The rock was not found. Submerged rocks with deeper depths were detected in the immediate vicinity. The rock has been brought forward from the prior survey to supplement the present survey. Additional lines of hydrography should have been run to verify or disprove the existence of this rock. No change in charting status is recommended for the rock. Surrounding survey data should also be considered for charting as shown on the present survey.

20) A charted 6-ft (1^8 m) sounding, in Latitude 40°51'37.94"N, Longitude 73°40'40.83"W, and a charted submerged rock with a depth of 2-ft (0^6 m), in Latitude 40°51'40.05"N, Longitude 73°40'37.17"W, originate with the prior survey. The features were not adequately investigated by the field unit. Present survey depths in the vicinity of the 6-ft (1^8 m) sounding range from 2^7 to 3^3 m (9 to 11 feet) and depths in the vicinity of the rock range from 3 to 4 m (10 to 13 feet). The present survey found the area to be rocky. The sounding and rock have been brought forward from the prior survey to supplement the present survey. Additional lines of

hydrography should have been run to determine the existence of the rocks and shoal depths. No change in charting status is recommended.

21) Two charted rocks awash, centered in Latitude 40°51'20.13"N, Longitude 73°40'31.20"W, a charted 1-ft (0^3 m) sounding, in Latitude 40°51'17.44"N, Longitude 73°40'30.00"W, a charted 2-ft (0^6 m) sounding, in Latitude 40°51'23.76"N, Longitude 73°40'29.78"W, and two charted rocks centered in Latitude 40°51'10.66"N, Longitude 73°40'26.67"W, originate with the prior survey. These features were not adequately investigated by the field unit. Present hydrography does not extend far enough to the west to adequately investigate these features. The sounding and rocks have been brought forward from the prior survey to supplement the present survey. Additionally, the shoal area to the east of these rocks was not adequately investigated. Additional lines of hydrography should have been run to adequately investigate these charted features. No change in charting status is recommended.

22) A charted 1-ft (0^3 m) sounding, in Latitude 40°51'12.36"N, Longitude 73°40'27.46"W originates with the prior survey. A rock that uncovers 1^3 m at MLLW (4 feet) was located by the field unit, in Latitude 40°51'12"N, Longitude 73°40'27"W. It is recommended that charted sounding be deleted, and the rock be charted as shown on the present survey.

12366

23) Two charted rocks, in Latitude 40°50'55.33"N, Longitude 73°40'15.67"W, and Latitude 40°50'52.55"N, Longitude 73°40'12.87"W, originating with the prior survey were neither verified nor disproved by the field unit. The rocks have been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

24) A charted rock, in Latitude 40°50'52.92"N, Longitude 73°40'11.20"W, originating with the prior survey was neither verified or disproved by the field unit. The rock has been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

25) A charted rock, in Latitude 40°50'52.36"N, Longitude 73°40'10.46"W, originates with the prior survey. The rock was located with an elevation of 1^1 m (3 feet). It is recommended that the rock be charted as shown on the present survey.

12366

26) A charted L-shaped row of piles, in Latitude 40°48'50.36"N, Longitude 73°39'12.46"W, originates with the prior survey. The area is shown on the present survey as ruins. The area was not investigated by the field unit. It is recommended that the area be charted as shown on the present survey.

12366

27) Charted piles, in Latitude 40°49'51.36"N, Longitude 73°39'00.46"W, originate with the prior survey. The shoreline manuscript shows ruins in this area. These ruins are shown on the present survey. It is recommended that the area be charted as shown on the present survey.

12366

28) Charted piles, extending from Latitude 40°49'28.3"N, Longitude 73°39'10.4"W, to Latitude 40°49'34.9"N, Longitude 73°39'14.5"W, originate with the prior survey. The piles were neither verified or disproved by the field unit. The piles are not shown on the shoreline manuscript. The majority of the piles fall inside a foul area shown on the smooth sheet or inside the low water line shown on the smooth sheet. The northernmost pile is in proximity to the 2 meter curve. The individual piles were not readily discernable on the copy of the prior survey used for comparison and were not brought forward to the present survey. It is recommended that these pile be revised and charted as submerged piles unless subsequent information indicates otherwise.

12366

28) A charted rock, in Latitude 40°50'37.76"N, Longitude 73°39'16.86"W, originates with the prior survey. The field unit did not investigate the rock. The rock has been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

29) Four charted rocks, in the vicinity of Latitude 40°50'42.36"N, Longitude 73°39'15.46"W, originate with the prior survey. Only the southernmost of the four rocks was verified by the field unit. The area was not investigated by the field unit. The findings of the present survey are not considered complete. The rocks have been brought forward from the prior survey to supplement the present survey. It is recommended that the southernmost rock be charted at the present survey location, that the northernmost three (3) rocks be retained as charted, and that these rocks be investigated at an opportune time.

12366

30) Charted piles, in Latitude 40°50'47.83"N, Longitude 73°39'12.85"W, Latitude 40°50'50.83"N, Longitude 73°39'11.96"W, and Latitude 40°50'59.27"N, Longitude

73°39'11.01"W, originate with the prior survey. The areas were visually investigated by the field unit with no indication of the piles. The present survey located a rock and a groin in the vicinity of northernmost and southernmost groups of piles. In the vicinity of the central group the charted piles are not considered disproved and have been brought forward as submerged piles from the prior survey to supplement the present survey. The area should be charted as shown on the present survey.

31) Numerous charted piers, groins, etc., between Latitude 40°50'35"N and Latitude 40°51'00"N originate with the prior survey and unascertainable sources. The Descriptive Report states that the shoreline was verified as shown on the final field sheet. It is recommended that the area be revised and charted as shown on the present survey.

32) A charted rock awash, in Latitude 40°51'28.75"N, Longitude 73°39'09.57"W originates with the prior survey. The rock was not investigated by the field unit; however, the rock falls inside the low water line shown on the present survey. The rock has been brought forward from the prior survey to supplement the present survey. It is recommended that the rock awash be retained as charted, and the limit line delineated by the field unit also be charted as shown on the present survey.

33) Two charted rocks centered in Latitude 40°51'42.36"N, Longitude 73°39'13.46"W originate with the prior survey. The northernmost of the two rocks was found and uncovers 0^7 m (2 feet). Two rocks in proximity to the southernmost rock were located by the field unit. One rock is approximately 25 meters northwest of the charted rock and uncovers of 1^3 m (4 feet); the other is approximately 20 meters southeast of the charted rock and covers 0^8 m (3 feet). It is recommended that the charted rocks be deleted and the area be charted as shown on the present survey.

34) A charted rock, in Latitude 40°52'12.36"N, Longitude 73°39'18.28"W, originates with the prior survey. The rock was not investigated by the field unit. The rock has been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

35) Four charted rocks, centered in Latitude 40°52'40.36"N, Longitude 73°39'17.46"W, originate with the prior survey. The rocks fall within a foul limit shown on the

present survey. It is recommended that the area be revised and charted as shown on the present survey.

36) A charted rock, in Latitude 40°52'43.36"N, Longitude 73°39'13.46"W, originates with the prior survey. The rock falls within foul limits shown on the present survey. It is recommended that the area be revised and charted as shown on the present survey.

37) Two charted rocks, in Latitude 40°52'45.81"N, Longitude 73°39'12.08"W, and Latitude 40°52'45.99"N, Longitude 73°39'11.29"W, originate with the prior survey. The rocks were not investigated by the field. The rocks have been brought forward from the prior survey to supplement the present survey. No change in charting status is recommended.

38) A charted rock, in Latitude 40°52'51.36"N, Longitude 73°39'01.46"W, originates with the prior survey. The rock is located just west of a foul limit shown on the present survey. It is recommended that the rock be deleted and the area be revised and charted as shown on the present survey.

39) A charted pier, in Latitude 40°52'54"N, Longitude 73°38'58"W, originates with the prior survey. The present survey located pier ruins in Latitude 40°52'54.71"N, Longitude 73°38'58.60"W, with an elevation of 1^6 m (5 feet). It is recommended that pier be deleted and pier ruins be charted as shown on the present survey.

Except as noted above, the present survey is adequate to supersede the appropriate charted hydrography within the common areas.

b. Wire Drag

H-5078WD 1930 (1:20,000)

AWOIS Items #4397, #6541, #6542, and #6543 originate with prior survey H-5078WD (1930).

1) AWOIS Item #4397, a charted dangerous submerged obstruction with a depth of 31 feet (9^4 m), in Latitude 40°52'37.86"N, Longitude 73°41'47.07"W, originates with prior survey H-5078WD (1930) as an uninvestigated grounding at 31 feet, cleared by 29 feet. The item was resolved by prior survey FE-293SS (1986). The 22nd edition of

chart 12366 has been revised using the results of FE-293SS (1986). No change in charting status is recommended.

2) AWOIS Items #6541, #6542, and #6543 originate with the prior survey. A discussion of each item and charting recommendations are appended to the Descriptive Report.

3) A charted 24-ft (7^3 m) sounding, in Latitude 40°52'23.36"N, Longitude 73°42'04.47"W, originates with the prior survey. The area was investigated with reduced line spacing. A rock with a depth of 7^4 m (24 feet) was located in Latitude 40°52'22.16"N, Longitude 73°42'05.61"W (120 meters SSW of the charted rock). Numerous rocks are shown in the area. It is recommended that the sounding be deleted and the rock shown on the present be charted. It is also recommended that the chart compiler examine this area for additional rocks that can be charted.

4) AWOIS Item #4398, a charted dangerous submerged obstruction with a least depth of 23 feet (7 m), in Latitude 40°52'46.86"N, Longitude 73°42'52.67"W, originates with the prior survey. This item was investigated by the NOAA Ship RUDE in 1886, FE-293SS (1986). The Evaluation Report for FE-293SS (1986) states, "The search area is a boulder field and any wreckage would have been difficult to identify due to the large boulders." The 22nd edition of chart 12366 has been revised using the results of FE-293SS (1986). No change in charting status is recommended.

5) AWOIS Item #4403, a charted dangerous sunken wreck with a least depth of 25-ft (7^6 m), in Latitude 40°53'34.36"N, Longitude 73°38'53.46"W, originates with the prior survey. The wreck was investigated by the NOAA Ship RUDE in 1988, FE-303SS (1988). A rock with a least depth of 26 feet (7^9 m) was located in Latitude 40°53'34.48"N, Longitude 73°38'53.70"W. The rock has been brought forward from FE-303SS (1988) to supplement the present survey. The 22nd edition of chart 12366 has been revised using the results from FE-303SS (1988). No change in charting status is recommended.

6) A charted 29-ft (8^8 m) sounding, in Latitude 40°53'36.86"N, Longitude 73°38'51.46"W, originates with the prior survey. The sounding was in the area of AWOIS Item #4403 and was investigated by the NOAA Ship RUDE in 1988, FE-303SS (1988). A rock with a least depth of 27-ft (8^2 m) was located in Latitude 40°53'36.04"N, Longitude 73°38'51.96"W. The rock has been brought forward from FE-303SS (1988) to supplement the present survey. The 22nd edition of chart 12366

has been revised using the results of FE-303SS (1988). No change in charting status is recommended.

7) A charted 34-ft (10^4 m) sounding, in Latitude 40°52'50.36N, Longitude 73°42'53.37"W, originates with the prior survey. The sounding is in the vicinity of AWOIS Item #4398 which was investigated by the NOAA Ship RUDE in 1986, FE-293SS (1986). FE-293SS (1986) located a side scan sonar contact in Latitude 40°52'53.03"N, Longitude 73°42'55.66"W with a computed depth of 28-ft (8^5 m). The 22nd edition of chart 12366 has been revised using the results of FE-293SS (1986). No change in charting status is recommended.

There are no conflicts between prior survey effective depths and present survey depths.

c. Side Scan Sonar

FE-293SS	(1986)	1:10,000
FE-303SS	(1988)	1:10,000

FE-293SS (1986) investigated and resolved two AWOIS items in the present survey area. The following should be noted:

1) AWOIS Item #6507, an uncharted 16-ft (4^9 m) sounding, in Latitude 40°52'44.22"N, Longitude 73°42'58.37"W originates with prior survey FE-293SS (1986). The area was investigated using reduced line spacing with negative results. The 16-ft (4^9 m) sounding has been brought forward from the prior survey to supplement the present survey. A rock with a depth of 3^3 m (11 feet) in Latitude 40°52'40.67"N, Longitude 73°42'58.28"W was located by the field unit. This rock is 109 meters south of AWOIS Item #6507. The rock was recommended for charting in section 6.a. of this report under prior survey H-5545 (1934), **12**). The 22nd edition of chart 12366 has been revised using the results of FE-293SS (1986). It is recommended that both of these features be charted provided chart scale will allow.

2) AWOIS Item #6508, an uncharted 28-ft (8^3 m) sounding, in Latitude 40°52'53.03"N, Longitude 73°42'55.66"W, originates with prior survey FE-293SS (1986). Present survey depths in this area range from 14 to 19 m (46 to 62 feet). The 28-ft (8^3 m) sounding has been brought forward from the prior survey to supplement the present survey. The 22nd edition of chart 12366 has been revised using the results of FE-293SS (1986). No change in charting status is recommended.

3) The following items were located and resolved by prior survey FE-293SS (1986). They have been brought forward from the prior survey to the present survey.

Item	Depth	Latitude (N)	Longitude (W)
wreck	37 ft (11^3 m)	40°53'51.82"	73°43'03.06"
wreck	40 ft (12^2 m)	40°53'48.53"	73°42'59.64"
wreck	40 ft (12^2 m)	40°53'35.73"	73°43'25.39"
wreck	56 ft (17^1 m)	40°53'19.35"	73°43'16.37"
wreck	34 ft (10^4 m)	40°52'33.95"	73°41'52.33"
wreck	34 ft (10^4 m)	40°52'32.57"	73°41'50.87"
obstr	16 ft (4^9 m)	40°52'05.85"	73°40'57.64"

The 22nd edition of chart 12366 has been revised using the results of FE-293SS (1986). No change in charting status is recommended.

Prior survey FE-303SS (1988) investigated and resolved three items in the present survey. These items are discussed in section 6.a., 6.b. and 7.a. of this report.

Except as noted above, the present survey is adequate to supersede the prior surveys in the common areas.

7. COMPARISON WITH CHART 12366 (20th Edition, Nov. 1/86)
12367 (18th Edition, Aug. 4/90)

a. Hydrography

The charted hydrography originates with the previously discussed prior surveys and requires no further discussion. In addition to the recommendations in the Descriptive Report the following should be noted:

1) Discussions of AWOIS Items #6370, #6371, #6372, #6373, #6374, #6375, #6376, #6377, #6378, #6380, #6511, #6512, #6513, and #6514 are appended to the Descriptive Report.

2) AWOIS Item #7687, an uncharted wreck in Latitude 40°54'01.14"N, Longitude 73°39'28.19"W, originates with a report made by the Greenwich, CT Police Department. The AWOIS item was not investigated by the field unit. No change in charting status is recommended pending an investigation at a later date.

3) AWOIS Item #4400, a charted dangerous

sunken wreck, PA, in Latitude 40°53'18.36"N, Longitude 73°40'34.46"W, originates with Chart Letter 1286 of 1966 (CL1286/66). This wreck was investigated by survey FE-293SS (1986) and FE-303SS (1988). The item was not considered disproved by FE-293SS (1986); however, office processing of FE-303SS (1988) concluded that the item was disproved. The wreck is not charted in the 22nd edition of chart 12366. No change in charting status is recommended.

During office processing the 22nd edition of chart 12366 and 19th edition of chart 12367 have been examined. A discrepancy between these two charts was noted. Chart 12366 shows a dangerous sunken wreck with a least depth of 40-ft (12^2 m) in Latitude 40°53'48.53"N, Longitude 73°42'59.64"W. Chart 12367 shows the same wreck in the same position with the notation PA. A careful examination of FE-293SS (1986) and the Addendum to FE-293SS (1986) indicates that the position determined by the field unit is not an approximate position (PA). It is recommended that chart 12366 and 12367 be brought into coincidence.

Additionally, a charted 37-ft (11^3 m) sounding on the 19th edition of chart 12367, in Latitude 40°53'51.82"N, Longitude 73°43'03.06"W, originates with FE-293SS (1986) as a wreck with a least depth of 37-ft (11^3 m). No change in charting status is recommended.

b. Dangers to Navigation

There were no Danger to Navigation reports submitted by the field unit. No dangers to navigation were noted during office processing.

c. Aids to Navigation

The hydrographer located two (2) fixed and twelve (12) floating aids to navigation in the survey area. These aids appear adequate to serve their intended purpose.

The following can buoys are shown in black on the 20th edition of chart 12366. The field unit described these buoy as green.

Buoy	Latitude (N)	Longitude (W)
Prospect Point Lighted Gong Buoy 23	40°52'42.73"	73°43'12.27"
Glen Cove Entrance Buoy 1	40°51'14.52"	73°39'09.94"

Hempstead Harbor Buoy 9	40°50'24.52"	73°39'29.71"
Tappen Beach Boat Basin Entrance Buoy 1	40°49'58.88"	73°39'11.42"

Subsequent editions of the chart show all of the aids as described by the field unit except Tappen Beach Boat Basin Entrance Buoy 1 which is still shown as black. Volume 1 of the 1992 edition of the U. S. Coast Guard Light List lists the Tappen Beach Boat Basin Entrance Buoy 1 as black. A telephone conversation with personnel of Tappen's Marina, (516) 671-0484, confirmed that the buoy is green. It is recommended that the chart be revised to reflect the proper color.

8. COMPLIANCE WITH INSTRUCTIONS

This survey complies with the Project Instructions except as noted in section 3. of this report.

9. ADDITIONAL FIELD WORK

This is an adequate basic survey. Additional work requests are in sections 3.c., 6.a., 6.b., and 7.a. of this report.

Franklin L. Saunders
Franklin L. Saunders
Cartographic Technician
Verification of Field Data

Deborah A. Bland
Deborah A. Bland
Senior Cartographic
Technician
Evaluation and Analysis

for Robert R. Hill
Robert R. Hill
Senior Cartographic Technician
Verification Check

APPROVAL SHEET
H-10347

Initial Approvals:

The completed survey has been inspected with regard to survey coverage, delineation of depth curves, development of critical depths, cartographic symbolization, and verification or disproval of charted data. The digital data have been completed and all revisions and additions made to the smooth sheet during survey processing have been entered in the magnetic tape record for this survey. Final control, position, and sounding printouts of the survey have been made. The survey records and digital data comply with NOS requirements except where noted in the Evaluation Report.

Robert G. Roberson Date: 15 March 1993
Robert G. Roberson
Chief, Evaluation and Analysis Team
Atlantic Hydrographic Section

I have reviewed the smooth sheet, 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.

Christopher B. Lawrence Date: March 17, 1993
Christopher B. Lawrence, CDR, NOAA
Chief, Atlantic Hydrographic Section

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Final Approval:

Approved: J. Austin Yeager Date: 5/12/95
J. Austin Yeager
Rear Admiral, NOAA
Director, Coast and Geodetic Survey

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Survey
Rockville, Maryland

Hydrographic Index No. 65 L

NOAA FORM 75-96
(10-83)

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

MARINE CHART BRANCH

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-10347

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
12367	7/26/93	John Barber	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 35 ~~App'd critical corr's.~~ Fully App'd
12366	7/29/93	John Barber	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 43 ~~App'd critical corr's~~ Fully App'd
12364'E'	7/29/93	John Barber	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 29 ~~App'd critical corr's.~~ Fully App'd
12363	7/30/93	John Barber	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No. 53 ~~App'd critical corr's.~~ Fully App'd
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
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			Drawing No.

SUPERSEDES C&GS FORM 8352 WHICH MAY BE USED.