H10685

NOAA FORM 76-35A

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

DESCRIPTIVE REPORT

Type of Survey: Hydrographic Side Scan Sonar

Field No.: AHP-10-5-96

Registry No.: H-10685

LOCALITY

State: Florida

General Locality: Tampa Bay

Sublocality: Coffeepot Bayou to Port Tampa Dock

19 96

CHIEF OF PARTY
LT J. A. Illg

LIBRARY & ARCHIVES

DATE: MAR 27 1998

☆U.S. GOV. PRINTING OFFICE: 1987—756-980

NOAA FORM 77-28 (10/72)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	REGISTER NO.
	HYDROGRAPHIC TITLE SHEET	H-10685
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-10-05-96

State Florida

General locality ~~Gulf of Mexico~~; Tampa Bay

Locality Coffie Pot Bayou to Port Tampa Dock

Scale 1:10000 Date of survey 16 May 1996 to 24 October 1996

Instructions dated 3-12-96 * Project No. OPR-J343-AHP

Vessel 0518 & 0519

Chief of party Lt. James A. Illg

Surveyed by DBE/RWR/PW/SS **

Soundings taken by echo sounder, hand lead, pole Echo sounder & LeadLine

Graphic record scaled by DBE/RWR/PW/SS**

Graphic record checked by DBE/RWR/PW/SS **

Protracted by _____ Automated plot by HDAPS with Brunning Plotter

Verification by Atlantic Hydrographic Branch PERSONNEL

Soundings in xxxxx Meters at xxxx MLLW

REMARKS: *= Change No.1 3-19-96 AWOIS / SURF 2/13/98 mcR

**= DBE= David B. Elliott

RWR= Robert W. Ramsey Jr.

PW= Philip Wolf

SS= LTJG Scott Shaulis

NOTES IN RED WERE MADE IN THE DESCRIPTIVE REPORT DURING OFFICE PROCESSING.

NOAA FORM 77-28 SUPERSEDES FORM C & GS-837.

Hydrographic Sheets and Parameters

OPR-J343-AHP
AHP-10-05-96
H-10685
Sheet "H"

All plotter sheets were created by AHP personnel, on the HDAPS office computer, and Bruning plotter, at the Field site located at Tampa Bay field site.

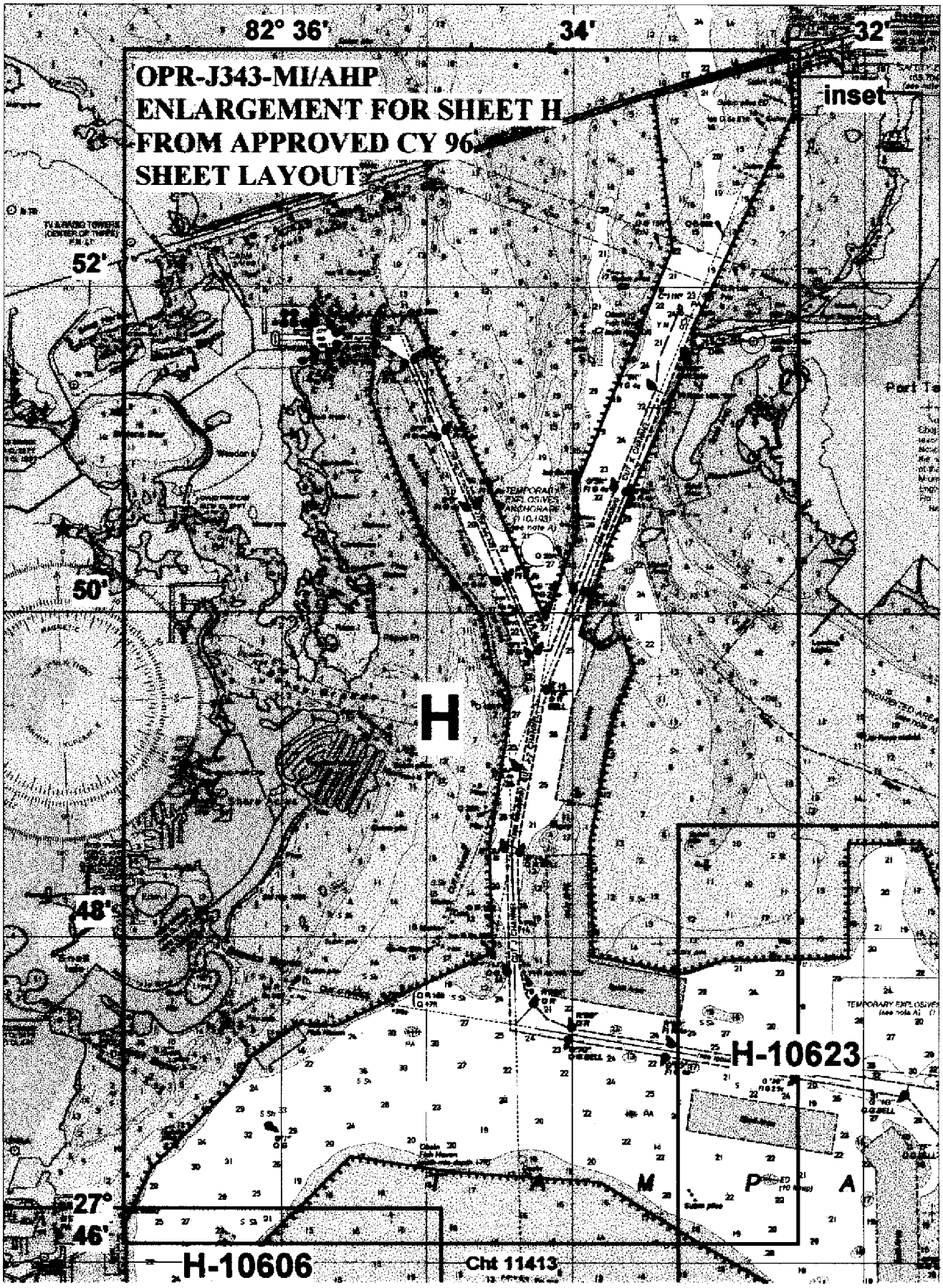
There were three plotter sheets created to conduct this survey; plotter sheet number six covers the central section of this survey ("H"e), and plotter sheet number seven covers the western section of this survey ("H"w), and plotter sheet number eight covers the inset area to the northeast corner of this survey.

The following plots were provided for the respective "Field Sheets":

Plot type	PS#6	PS#7	PS#8
Field Sheet	1	1	1
Edited Track Plot	1	1	1
Edited Excessed Sound	1	1	1
100 % SSS Swath	1	1	0
200 % SSS Swath	1	combined	0

There were two Chart Enlargements submitted with this survey covering the respective Field Sheets.

All survey data will be sent to the Atlantic Hydrographic Section for verification.


OPR-J343-MI/AHP
ENLARGEMENT FOR SHEET H
FROM APPROVED CY 96
SHEET LAYOUT
82° 36'
34'
32'
inset
52'
50'
48'
27°
46'
H
H-10623
H-10606
Cht 11413

DESCRIPTIVE REPORT TO ACCOMPANY
HYDROGRAPHIC SURVEY H-10685
FIELD NO. AHP-10-5-96
SCALE: 1:10,000
1996
ATLANTIC HYDROGRAPHIC PARTY TWO
CHIEF OF PARTY: LT James A. Illg, NOAA

A. PROJECT

This survey was conducted according to Hydrographic Project Instructions OPR-J343-AHP, Tampa Bay, Florida, dated March 12, 1996 and change No. 1, dated March 19, 1996.

This project called for a 200% side scan sonar survey in water depths deeper than six meters. In depths less than six meters, single beam hydrography at 25-meter line spacing was conducted in accordance with the chartlet which depicts the survey limits.

The purpose of project OPR-J343-AHP is to respond to requests from the Tampa Bay Pilots, the Tampa Bay Marine Advisory Council, local port authorities, the Seventh U.S. Coast Guard District, and the U.S. Army Corps of Engineers (USACE). The primary users of the shipping lanes have requested modern hydrography of the areas adjacent to the USACE dredged channels. The majority of the CY 1996 project area was last surveyed by the Coast and Geodetic Survey (C&GS) in 1957-1958.

The sheet letter is "H" as specified by the Project Instructions.

B. AREA SURVEYED

The area surveyed for H-10685 is Tampa Bay, Florida, from ~~Coffee Pot~~ COFFEEPOT Bayou to Port Tampa Dock. The approximate survey limits are:

North: 27° 53' 30"N
South: 27° 46' 00"N
East : 082° 32' 00"W
West : 082° 37' 00"W

This survey was conducted from May 16, 1996 (DN 137) through October 25, 1996 (DN 298).

C. SURVEY VESSELS

NOAA launches 0518 and 0519, both 21-foot MonArks, were used to collect all survey data. There were no unusual vessel configurations or problems encountered with the vessels.

D. AUTOMATED DATA ACQUISITION AND PROCESSING SEE ALSO THE EVALUATION REPORT

Coastal Oceanographic, Inc. HYPACK version 5.9 was used for on-line data acquisition. A list of all HDAPS programs and versions used for data processing can be found in the appendix of this report.* The NOS programs VELOCITY (Ver. 2.10) and WordPerfect (Ver. 6.1) were also used during this survey. *

E. SONAR EQUIPMENT

An EG&G model 260-TH image correcting side scan sonar recorder (S/N 0012104) with a model 272-T towfish (S/N 016700), was used from DN 169 through DN 232. Side scan sonar recorder (S/N 0010884), was used from DN 233 through the end of the survey. The side scan sonar equipment was used to obtain 200% bottom coverage in areas deeper than 6 meters and to investigate AWOIS items. The system frequency used was 100 kHz. The recorder was set on 50/75/100-meter range scales. There were no water depths greater than 15 meters. The confidence checks were performed daily on existing buoys in the Tampa Bay channels at 100kHz.

A coverage of 200% was obtained on all the required survey areas and AWOIS items where water depth and/or hazards permitted. Side scan coverage was conducted to the 6-meter curve and single beam 25-meter line spacing was performed in areas less than the 6 meters. The towfish was deployed off the starboard quarter of the vessel, which proved very stable. Distorted images caused by strong tidal currents were seen periodically. All contacts and shadows were manually scaled and entered into an HDAPS contact table* to determine the height off the bottom. These heights were then edited with an offset height ratio applied, and were compared with the single beam depths in order to determine their significance. The significant contacts were then compared by position as well as common depth and relationship to channels to determine if diver investigations were warranted. A total of 89 diver investigations were made on this survey, utilizing a Diver Hand Held SONAR (DLS) as the primary targeting tool. All areas surveyed were track line/swath line plotted to insure complete coverage.

F. SOUNDING EQUIPMENT

Two Innerspace model 448 depth sounders, S/Ns 175 and 186, were used to collect all echo soundings on this survey. A standard lead line calibrated in meters, S/N 0518 or S/N 0519, was used during this survey for comparison readings with the echo sounder. No problems were encountered with any of the sounding equipment.

* FILED WITH THE ORIGINAL FIELD RECORDS.

G. CORRECTIONS TO ECHO SOUNDINGS

Correctors for the velocity of sound through water were determined from the casts listed below:

Cast No.	Table No.	Deepest Depth(m)	Applicable DN(s)	Cast Position		Day Taken
1	1	16.3	137-150	27°51'24"N	082°33'19"W	137
2	2	14.9	157	27°49'42"N	082°34'13"W	157
3	3	15.3	169-172	27°49'30"N	082°34'12"W	171
4	4	16.2	177-179	27°51'00"N	082°33'30"W	177
5	5	15.6	183-184	27°49'36"N	082°34'00"W	184
6	6	16.0	190-193	27°47'30"N	082°34'18"W	192
7	7	16.3	197-200	27°49'24"N	082°34'12"W	198
8	8	16.1	204-207	27°49'12"N	082°34'36"W	204
9	9	15.3	211-214	27°49'53"N	082°34'20"W	211
10	10	16.1	218-221	27°51'36"N	082°33'18"W	218
11	11	15.6	226	27°47'04"N	082°31'44"W	225
12	12	15.7	240	27°47'30"N	082°33'18"W	240
13	13	13.9	248	27°47'00"N	082°35'06"W	248
14	14	16.1	277	27°47'30"N	082°34'18"W	277
15	15	13.1	290-292	27°48'00"N	082°35'00"W	290
16	16	16.0	297-298	27°45'42"N	082°32'48"W	297

The instrument used for determining corrections for the speed of sound through the water column was a Seabird-Seacat Velocity Profiler, model 19-03, S/N 198671-1477. This unit was calibrated by the manufacturer on December 22, 1995. Data quality assurance tests were performed after each cast. Program VELOCITY was used for computing the speed of sound correctors. Corrections were applied to the sounding plot using the HDAPS REAPPLY program. Copies of the velocity tables and support documentation are in the "Survey Separates." *

The lead lines for launch 0518 and 0519 were each calibrated using a steel tape on March 29, 1996. No corrections were necessary. A copy of the calibration form is in the "Survey Separates."*

A static draft of 0.3 meters was applied to the final sounding plot by the HDAPS REAPPLY program. The draft was measured by subtracting the difference from a punch mark on the side of both launch 0518 and 0519, 0.6 meter above the transducer, to the water surface.

Settlement and squat measurements for launch 0518 and 0519 were taken on March 28, 1996 (DN 088). These measurements were made in the Tampa Bay Ship Channel using the level method. The data from this test is included in the "Survey Separates."*Settlement and squat correctors were applied to the final sounding plot using the HDAPS REAPPLY program.

* FILED WITH THE ORIGINAL FIELD RECORDS.

St. Petersburg station 872-6520 was the reference station for predicted tides for hydrography in Tampa Bay and its approaches. The Product and Services Branch, Datums Section, N/OES231, provided predicted tides for this reference station on diskette for HDAPS. Correctors for three tidal zones on sheet "H" were used as designated by the project instructions. The zones were numbered with the following applicable correctors:

	Time (min.)		
	High Water	Low Water	Range Ratio
Zone # 1	Direct	Direct	Direct
Zone # 2	+10 min	+10 min	x1.03
Zone # 3	+45min	+45 min	x1.07

There were periods of extreme water levels noted during hydrography that were weather induced, causing minor sounding differences. These variances will be corrected when smooth tides are applied.

All elevations and soundings on survey H-10685 are based on MLLW unless otherwise specified.

Approved tide levels were requested from the Product and Services Branch, Datums Section, N/OES231, in a letter dated December 10, 1996. A copy is appended to this report. APPROVED TIDES AND ZONING WERE APPLIED DURING OFFICE PROCESSING

All tides gauges required for survey H-10685 are part of the PORTS Program and were verified to be operational by phone contact with Mr. Mark Luther, Chief Operations Officer, Greater Tampa Bay Marine Advisory Council. PORTS, Inc. is the Tampa Bay PORTS Manager.

H. CONTROL STATIONS SEE ALSO THE EVALUATION REPORT.

The horizontal control datum for this project is the North American Datum (NAD) of 1983. The control reference station used for this survey was the USCG DGPS Egmont Key beacon, located at 27°36'01.482"N, 082°45'37.145"W. The Control Station List is appended to this report.

I. HYDROGRAPHIC POSITION CONTROL

Differential GPS (DGPS) was used for all hydrographic data acquired on this survey. An Ashtech sensor (S/N 700417A1065) and antenna (S/N 70039A10542) were used as the remote station on launch 0518. An Ashtech sensor (S/N 700417B1207) and antenna (S/N 700378A0232) were used as the remote station on launch 0519.

DGPS performance checks were conducted in accordance with FPM 3.4.4, by comparing the DGPS position of the vessel to the position of calibration point 1 at Apollo Beach, FL, located at 27°49'04.560"N, 082°25'27.662"W . To obtain a performance check, the launch was brought alongside the checkpoint and the easting, northing, number of SVs, HDOP, and time of observation were noted on the echogram. These values were then entered into a Lotus spreadsheet table which would compute the acceptable error margin (based on the HDOP) and also our observed difference between the known and observed position. The table of these comparisons is included in the "Survey Separates."* All of the observed differences fell well within the allowable limit. * FILED WITH THE ORIGINAL FIELD RECORDS

J. SHORELINE

There was no photogrammetric source data for this project.

K. CROSSLINES

A total of 18.7 linear nautical miles of crosslines were run, which is approximately 5% of the main scheme hydrography mileage. This 5% value is misleading as major portions of the single beam hydrography ran orthogonally to and overlapped the side scan sonar hydrography. These overlapping data were not included in the crossline percentage, although it served the same intended purpose. Crossline soundings agree with the main scheme soundings within 0.2 meter, with the exception of some 0.5 meter differences caused by weather influence on the tides. The application of smooth tides will create a closer agreement in sounding comparison.

L. JUNCTIONS SEE ALSO THE EVALUATION REPORT.

This survey junctions with the following:

Survey No.	Year	Scale	Junction Area
H-10606	1995	1:10,000	South
H-10623	1995	1:10,000	East

Junction soundings between the present survey and the junction surveys are in good agreement, with differences of 0.2 meters or less.

M. COMPARISON WITH PRIOR SURVEYS SEE ALSO THE EVALUATION REPORT.

See the Atlantic Hydrographic Branch's "Evaluation Report for H-10685."

N. ITEM INVESTIGATION REPORTS (See also the Evaluation Report)

There were a total of 12 AWOIS items addressed on this survey. Methods for investigating the AWOIS items were side scan sonar (SSS) search, diver investigations, and sounding data. All AWOIS reports are appended to this report. In addition to the 12 AWOIS items, there were a total of 72 SSS contacts resolved by diver investigations. The following procedure was used on all diver investigations:

1) After compiling contact tables for all SSS contacts and then transferring them to a HYPACK target file for positioning purposes, divers were deployed on these targets with a buoy drop.

2) Divers would then descend the buoy line to begin a circular sweep, noting any compass bearings on return signals from the Diver Locator Sonar (DLS-1). Progressive range scale sweeps were made on the 20, 60, and 120m scale ranges to determine the strongest signal return to investigate.

3) Upon isolating a contact, the diver would then home in on and swim to the contact with the dive buoy and diver least depth gage.

4) Once the contact was located, a least depth (LD) and description was obtained and relayed to the surface by wireless diver to surface communications. The survey launch was called over to the tightly strung diver buoy to obtain a survey position on the LD. Following this information relay, a second DLS-1 sweep was conducted from the top of the contact, the point at which the LD was obtained, to determine if any shoaler contacts existed within the area. If any additional contacts were noted, the divers would follow the above search method to investigate them as well.

During this survey, contacts were located on all range scales of the DLS-1 with the most distant target found 170 meters from the search center. This gave divers a high degree of confidence in this search technique and in the DLS-1 instrument itself.

After conducting all diver investigations, the positions computed using the HDAPS contact tables were compared to the diver LD and positions to check for other contacts which may have warranted investigation and which were outside of an approximate 60-meter radius from investigated contacts. Contacts were deemed insignificant if their height off the bottom was less than a feature which was already investigated nearby. The table used for determining the significance of contacts to further investigate and their relative position to AWOIS items is included in the appendix of this report. Approved to this Report.

O. COMPARISON WITH THE CHART SEE ALSO THE EVALUATION REPORT

Comparison was made with the following charts:

Chart No.	Edition	Edition Date
11412	36th	June 04/94
11413	41st	Apr 22/95
11414	36th	June 04/94

Most survey soundings agree with those currently charted within 0.2 meter. A few survey soundings are as much as one meter deeper. A comparison of this survey with the charted depths for the channels on this survey follows.

Cut "G" Channel (C.O.E. Maintained)

1) Published Controlling Depth:

LOQ=34' LIQ=34' RIQ=34' ROQ=34'

2) Surveyed Controlling Depth:

LOQ=32.4' (9.9m)	LIQ=36.0' (11.3m)'	RIQ=36.0' (11.0m)	ROQ=32.4' (9.9m)
27°47'16.0"N	27°47'15.5"N	27°47'17.1"N	27°47'20.5"N
082°33'18.5"W	082°33'04.7"W	082°33'04.7"W	082°33'25.5"W
Fx:7067	Fx:19731	Fx:19730	Fx:7164

3) The channel is buoyed at 150 meter (492 feet) width; the published width is 400 feet.

4) The southern channel edge shows a 50-meter migration into the channel of the 10-meter contour between 27°47'16.0"N, 082°33'18.5"W and 27°47'16.3"N, 082°33'20.4"W.

5) The northern channel edge shows a 50-meter migration into the channel of the 10-meter contour between 27°47'20.5"N, 082°33'25.5"W and 27°47'25.8"N, 082°33'58.4"W.

Cut "J" Channel (C.O.E. Maintained)

1) Published Controlling Depth:

LOQ=34' LIQ=34' RIQ=34' ROQ=34'

2) Surveyed Controlling Depth:

LOQ=25.5' (7.8m)	LIQ=36.0' (11.0m)	RIQ=38.3' (11.7m)	ROQ=26.2' (8.0m)
27°48'18.7"N	27°47'31.2"N	27°47'30.5"N	27°47'38.2"N
082°34'27.3"W	082°34'20.4"W	082°34'18.7"W	082°34'17.4"W
Fx:3811+1	Fx:7014	Fx:7013	Fx:7133

3) The channel is buoyed at 150 meter (492 feet) width; the published width is 400 feet.

4) The western channel edge shows a 40-50-meter migration into the channel of the 10-meter contour between 27°47'47.6"N, 082°34'26.2"W and 27°48'36.4"N, 082°34'27.2"W.

5) The eastern channel edge shows a 40-meter migration into the channel of the 10-meter contour between 27°47'38.2"N, 082°34'17.4"W and 27°48'14.8"N, 082°34'21.7"W.

Cut "J2" Channel (C.O.E. Maintained)

1) Published Controlling Depth:

LOQ=34'	LIQ=34'	RIQ=34'	ROQ=34'

2) Surveyed Controlling Depth:

LOQ=29.5' (9.0m)	LIQ=32.4' (9.9m)	RIQ=32.1' (9.8m)	ROQ=24.2' (7.4m)
27°48'56.4"N	27°49'18.1"N	27°48'36.8"N	27°48'40.6"N
082°34'23.2"W	082°34'18.4"W	082°34'21.3"W	082°34'20.7"W
Fx:3834	Fx:20853+3	Fx:6533	Fx:19797

Cut "K" Channel (C.O.E. Maintained)

1) Published Controlling Depth:

LOQ=33.5'	LIQ=34'	RIQ=34'	ROQ=33.8'

2) Surveyed Controlling Depth:

LOQ=24.2' (7.4m)	LIQ=30.8' (9.4m)	RIQ=37.7' (11.5m)	ROQ=35.0' (10.7m)
27°50'50.6"N	27°50'10.7"N	27°49'32.2"N	27°50'10.2"N
082°33'41.1"W	082°33'56.9"W	082°34'12.3"W	082°33'53.5"W
Fx:2520+1	Fx20889+1	Fx:19850	Fx:2738

3) The channel is buoyed at 125 meter (475 feet) width; the published width is 400 feet.

4) An uncharted wreck was found to lie just outside of the channels eastern side at 27°50'43.38"N, 082°33'35.73"W, with a least depth of 7.9 meters (25.9 feet). This wreck was included in a danger to navigation letter to the 7th Coast Guard District, dated January 3, 1997. A copy is appended to this report. SEE ALSO SECTION D.B.1. OF THE EVALUATION REPORT

5) A destroyed range tower was found lying on the bottom just outside of the channels western side at 27°50'10.85"N, 082°33'59.68"W with a least depth of 5.3 meters (17.3 feet). This obstruction was reported in a danger to navigation letter to the 7th Coast Guard District, dated January 10, 1997. A copy is appended to this report. SEE ALSO SECTION D.B.1. OF THE EVALUATION REPORT.

Weedon Island Channel (Privately Maintained)

1) Charted Controlling Depths:

Main Channel (A) = 32 ft Top Channel E/W (B) = 29 ft Turning Basin (C) = 32 ft

2) Surveyed Controlling Depth:

(A) 30.1' (9.2m)	(B) 30.5' (9.3m)	(C) 18.0' (5.5m)
27°51'10.9"N	27°51'41.8"N	27°51'45.2"N
082°34'54.8"W	082°35'27.2"W	082°35'44.6"W
Fx:20959+1	Fx:3145	Fx:5820+1

3) The Main Channel is buoyed at 100 meter (328 feet) width; the published width is 270 feet.

4) The Top Channel E/W is buoyed at 80 meters (262 feet) width; the published width is 150 feet.

5) The channel shows evidence of collapse, predominantly along its entire western edge, with migration of the 10-meter contour into the channel by approximately 50 meters.

6) The Weedon Island Channel is listed in the USCG Light List, Volume 3, 1996 but its name is not charted. RECOMMEND REVISING CHANNEL NOTES WITH THE LATEST DEPTHS.

P. ADEQUACY OF SURVEY SEE ALSO THE EVALUATION REPORT

This basic hydrographic survey conducted under the navigable area concept is complete and adequate to supersede all prior surveys within the common area.

Q. AIDS TO NAVIGATION SEE ALSO THE EVALUATION REPORT.

The following non-floating aids to navigation are maintained by the U. S. Coast Guard and lie within the survey area. All of the aids serve their intended purpose. The positions of all aids to

navigation were determined by DGPS during this survey. Equipment and personnel resources were not available for third-order positions of all the non-floating navigational aids. A comparison of the positions of the fixed aids located on this survey was made between the charted and USCG Light List, Volume 3, 1996 positions. The results are shown in the following table:

Pos. No.	Name and (Light List No.)	Light List Position	Survey Position	Distance/Bearing From Charted Position
8	Upper Rng Rear LT Cut K Channel (LL#21145)	none	27° 52' 58.43"N 082° 32' 40.6"W	On Station
9	Upper Rng Front LT Cut K Channel (LL#21140)	27° 52.3' 082° 33.0'	27° 52' 19.75"N 082° 32' 57.85"W	79m/047°30' *
13	LT 8K Cut K Channel (LL#21175)	none	27° 51' 17.52"N 082° 33' 21.52"W	On Station
18	Upper Rng Front LT Cut J Two Channel (LL#21110)	27° 50.3' 082° 34.1'	27° 50' 19.26"N 082° 34' 03.47"W	79m/60°44' *
19	Upper Rng Rear LT Cut J Two Channel (LL#21115)	none	27° 50' 44.06"N 082° 33' 58.43"W	On Station
28	Rng Front LT Weedon Island Channel (LL#21153.15)	27° 50.2' 082° 34.5'	27° 51' 44.52"N 082° 35' 11.71"W	3068m/338°09' *
29	Rng Rear LT Weedon Island Channel (LL#21153.2)	none	27° 52' 06.91"N 082° 35' 22.14"W	On Station
38	Upper Rng Rear LT Cut J Channel (LL#21075)	none	27° 49' 57.99"N 082° 34' 26.68"W	On Station
42	Upper Rng Front LT Cut J Channel (LL#21070)	27° 49.9' 082° 34.5'	27° 49' 27.08"N 082° 34' 25.99"W	835m/172°27' *
44	Lower Rng Front LT Cut K Channel (LL#21195)	27° 48.8' 082° 34.6'	27° 48' 47.09"N 082° 34' 32.86"W	90m/108° 03' *
47	Lower Rng Front Lt Cut J Two Channel (LL#21125)	27° 48.1' 082° 34.5'	27° 48' 04.79"N 082° 34' 30.65"W	41m/205° 31' *

48	Lower Rng Rear LT Cut J Two Channel (LL#21130)	none	27° 47' 55.00"N 082° 34' 32.50"W	On Station
49	Lower Rng Rear LT Cut K Channel (LL#21200)	none	27° 47' 57.28"N 082° 34' 55.07"W	On Station
51	LT 12J Cut J Channel (LL#21095)	none	27° 47' 47.56"N 082° 34' 20.42"W	On Station
2000	Rng Front LT Cut G Channel (LL# 21025)	27° 47.6'N 082° 35.2'W	27° 47' 34.75"N 082° 35' 13.61"W	517m /355° 06' *
2001	Rng Rear LT Cut G channel (LL#21030)	none	27° 47' 40.88"N 082° 35' 56.57"W	

* These aids were found on station when compared with the chart. The distance and bearing listed is the difference between the surveyed position and the published USCG Light List, Volume 3, 1996 position.

R. STATISTICS

Description	Quantity
Total Number of Positions	21310
Total Linear Nautical Miles of Hydrography	497
Total Linear Nautical Miles of Cross Lines	18
Total Linear Nautical Miles of Development	252
Total Linear Nautical Miles of (SSS) Hydrography	227
Square Nautical Miles of Hydrography	6
Days of Production	40
Detached Positions	149
Bottom Samples	50
Velocity Casts	16

S. MISCELLANEOUS SEE ALSO THE EVALUATION REPORT.

A total of 50 bottom samples were taken as directed in Section 6.7 of the Project Instructions. Bottom sample positions and descriptions can be found on the DP editor printout appended to this report. The Oceanographic Log Sheet-M, NOAA Form 75-44, is included in the "Survey Separates."*Bottom samples were submitted to the Smithsonian Institution as requested in the Project Instructions. * FILED WITH THE ORIGINAL FIELD RECORDS

Secchi disk observations were not acquired on this survey due to the continually poor water clarity.

No anomalous tidal currents were observed within the survey limits.

T. RECOMMENDATIONS

No additional field work was identified after field processing was completed. Specific recommendations are made on the Item Investigation Reports appended, and in section O of this report.

U. REFERRAL TO REPORTS

Title	Transmittal Information
Descriptive Reports for H-10606 and H-10623	Atlantic Hydrographic Branch N/CS331, Norfolk, VA (1995)
User Evaluation Report	Atlantic Hydrographic Branch N/CS331, Norfolk, VA (June 1996)
Coast Pilot Report	Atlantic Hydrographic Branch N/CS331, Norfolk, VA (April 1996)

Submitted by: Robert W. Ramsey Jr.
Atlantic Hydrographic Party
Hydrographer in Charge Launch 0519

APPROVAL SHEET
Basic Hydrographic Survey
OPR-J343-AHP
AHP-10-5-96
H-10685
1996

This basic hydrographic survey, conducted under the navigable area concept, was completed in accordance with the Project Instructions for OPR-J343-AHP, the Hydrographic Manual, the Hydrographic Survey Guidelines, and the Field Procedures Manual. All reports, records, and survey sheets were reviewed by Mr. David B. Elliott, hydrographer in charge of daily operations. Project reports were also reviewed by Mr. Brian A. Link, Assistant Chief of Party. The chief of party did not directly supervise any part of this survey.

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

Lt James A. Illg, NOAA
Chief, Atlantic Hydrographic Party

David B. Elliott
Hydrographer-in-charge of daily operations

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

Atlantic Hydrographic Party
439 West York St.
Norfolk, VA 23510-1114

January 3, 1997

Commander (oan)
U.S. Coast Guard District Seven
Brickell Plaza Federal Bldg.
909 SE First Ave.
Miami, Florida 33131-3050

Dear Sir:

While conducting hydrographic surveys of Tampa Bay, Florida (project OPR-J343-AHP), the following items were identified as dangers to navigation. I recommend they be included in the Local Notice to Mariners. The positions are based on NAD 83 datum and the soundings have been reduced to Mean Lower Low Water (MLLW) using predicted tides. The items were located using Differential GPS and were verified by diver investigation.

This information affects the following charts:

CHART NO.	EDITION	DATE
11413	41st	Apr. 22/95
11412	36th	June 4/94

DESCRIPTION	NAD 83 POSITION	DEPTH (ft)
Wreck	27°50'43.38"N 082°33'35.73"W	26
Wreck	27°47'26.85"N 082°28'04.18"W	14 NOT IN SURVEY AREA

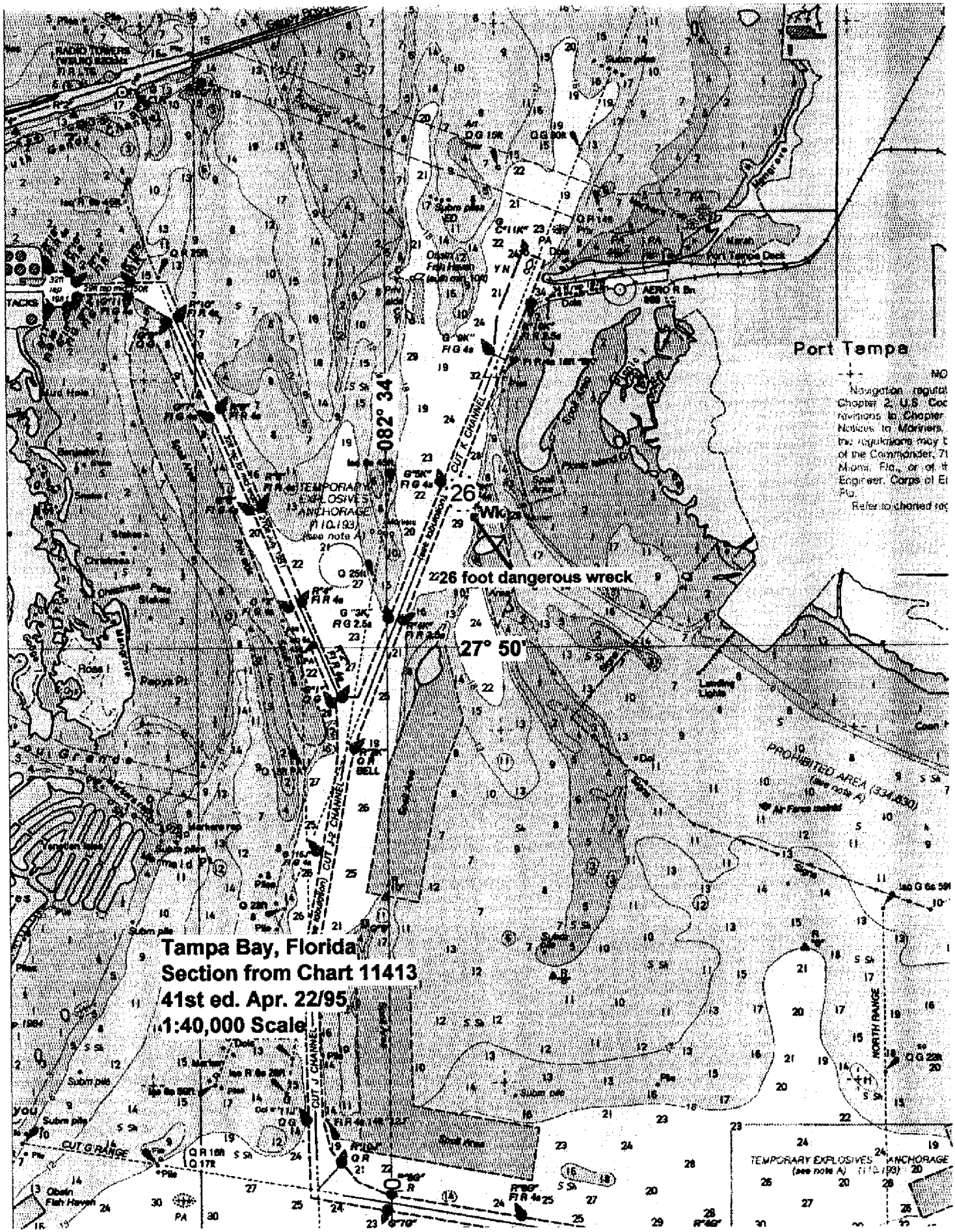
This is advance information which is subject to office review. Chart sections, showing the location of these dangers, are attached. Questions concerning this report should be directed to me at (410) 437-9811.

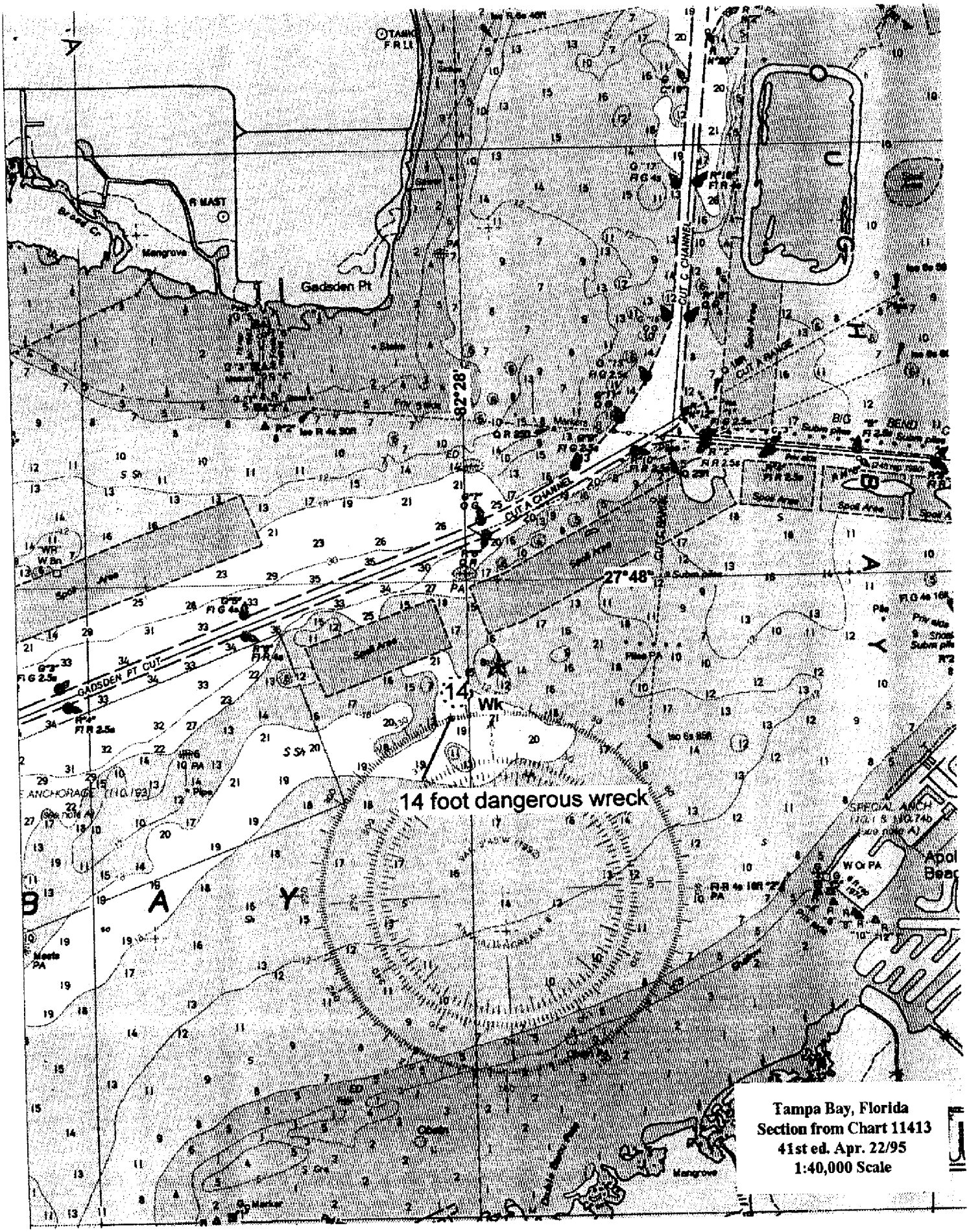
Sincerely,

LT James A. Illg, NOAA
Chief, Atlantic Hydrographic Party

Attachment

cc: N/CS26
N/CS33
DMAHTC


Port Tampa
082° 34'
26
27° 50'
26 foot dangerous wreck
CUT K CHANNEL
CUT J-2 CHANNEL
CUT G RANGE
NORTH RANGE
TEMPORARY EXPLOSIVES ANCHORAGE
(see note A)
PROHIBITED AREA
Tampa Bay, Florida
Section from Chart 11413
41st ed. Apr. 22/95
1:40,000 Scale


14 foot dangerous wreck
Gadsden Pt
GADSDEN PT CUT
CUT A CHANNEL
CUT C CHANNEL
27°48'
82°28'
Tampa Bay, Florida
Section from Chart 11413
41st ed. Apr. 22/95
1:40,000 Scale

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

Atlantic Hydrographic Party
439 West York St.
Norfolk, VA 23510-1114

October 29, 1996

Commander (oan)
U.S. Coast Guard District Seven
Brickell Plaza Federal Bldg.
909 SE First Ave.
Miami, Florida 33131-3050

Dear Sir:

While conducting a hydrographic survey of Tampa Bay, Florida (registry H-10685, project OPR-J343-AHP), the following items were identified as dangers to navigation. I recommend they be included in the Local Notice to Mariners. The positions are based on NAD 83 datum and the soundings have been reduced to Mean Lower Low Water (MLLW) using predicted tides. The items were located using Differential GPS and were verified by diver investigation.

This information affects the following charts:

CHART NO.	EDITION	DATE
11413	41st	Apr. 22/95
11412	36th	June 4/94

DESCRIPTION	NAD 83 POSITION		DEPTH (ft)
~~Obstruction~~	27-47-08.6	082-35-38.3	30
Obstruction	27-47-10.5	082-35-42.2	21
Obstruction	27-47-15.5	082-35-31.9	19
~~Obstruction~~	27-47-18.1	082-35-29.4	19
Obstruction	27-47-21.0	082-35-24.2	26

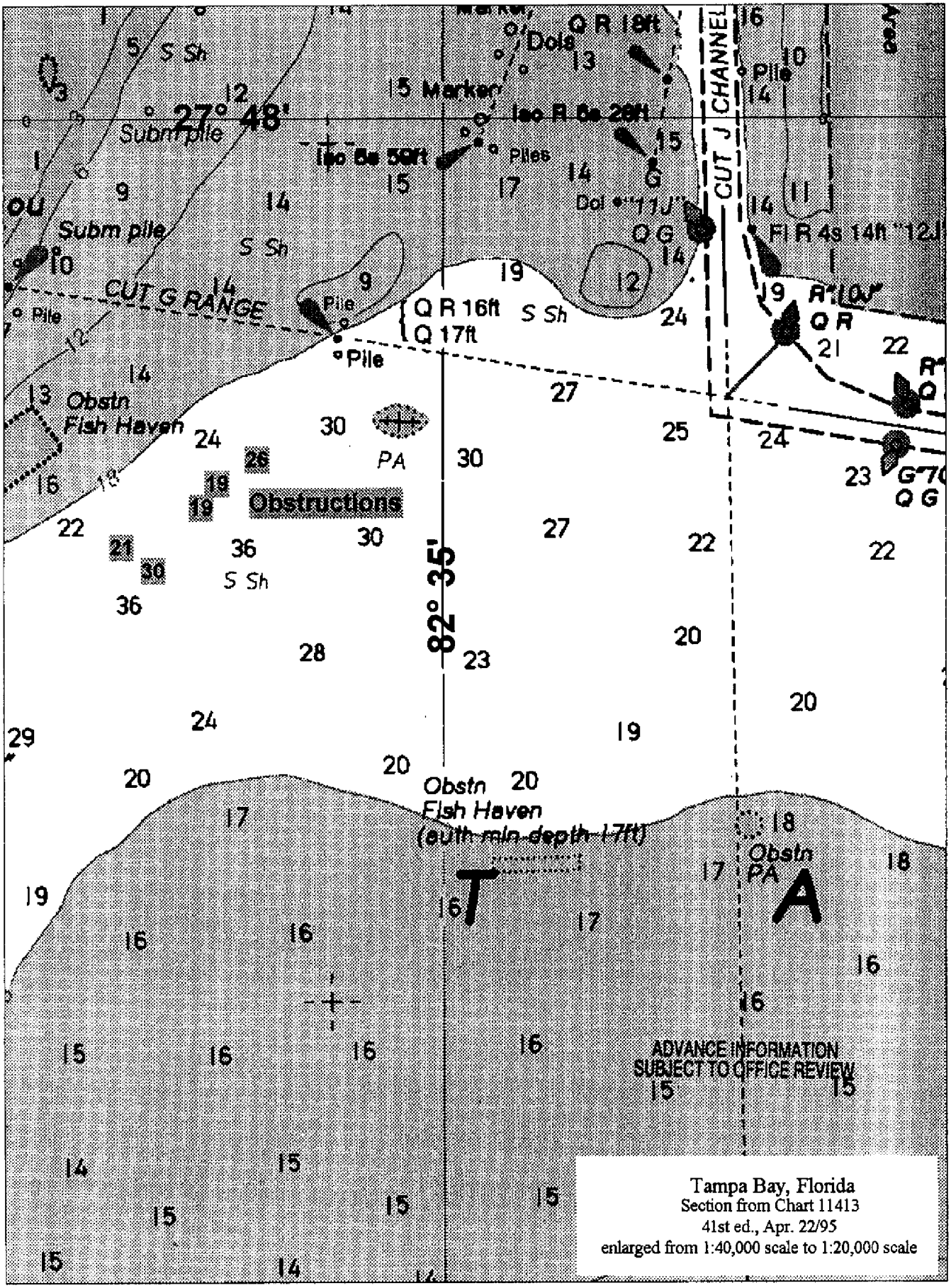
This is advance information which is subject to office review. A chart section of this area, showing the location of these dangers, is attached. Questions concerning this report should be directed to me at (410) 437-9811.

Sincerely,

LT James A Illg, NOAA
Chief, Atlantic Hydrographic Party

Attachment

cc: N/CS26
N/CS33
DMAHTC



Tampa Bay, Florida
Section from Chart 11413
41st ed., Apr. 22/95
enlarged from 1:40,000 scale to 1:20,000 scale

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

Atlantic Hydrographic Party
439 West York St.
Norfolk, VA 23510-1114

January 10, 1997

Commander (oan)
U.S. Coast Guard District Seven
Brickell Plaza Federal Bldg.
909 SE First Ave.
Miami, Florida 33131-3050

Dear Sir:

While conducting a hydrographic survey of Tampa Bay, Florida (project OPR-J343-AHP, registry H-10685), the following item was identified as a danger to navigation. I recommend this item be included in the Local Notice to Mariners. The position is based on NAD 83 datum and the sounding has been reduced to Mean Lower Low Water (MLLW) using predicted tides. The item was located using Differential GPS and was verified by diver investigation.

DESCRIPTION	NAD 83 POSITION	DEPTH (ft)
Obstruction (toppled range tower)	**27°50'~~10.85~~ 11.00"N 082°33'59.~~68~~ 82"W**	**17**

This information affects the following charts:

CHART NO.	EDITION	DATE
11413	41st	Apr. 22/95
11412	36th	June 4/94

This is advance information which is subject to office review. A chart section, showing the location of this danger, is attached. Questions concerning this report should be directed to me at (410) 437-9811.

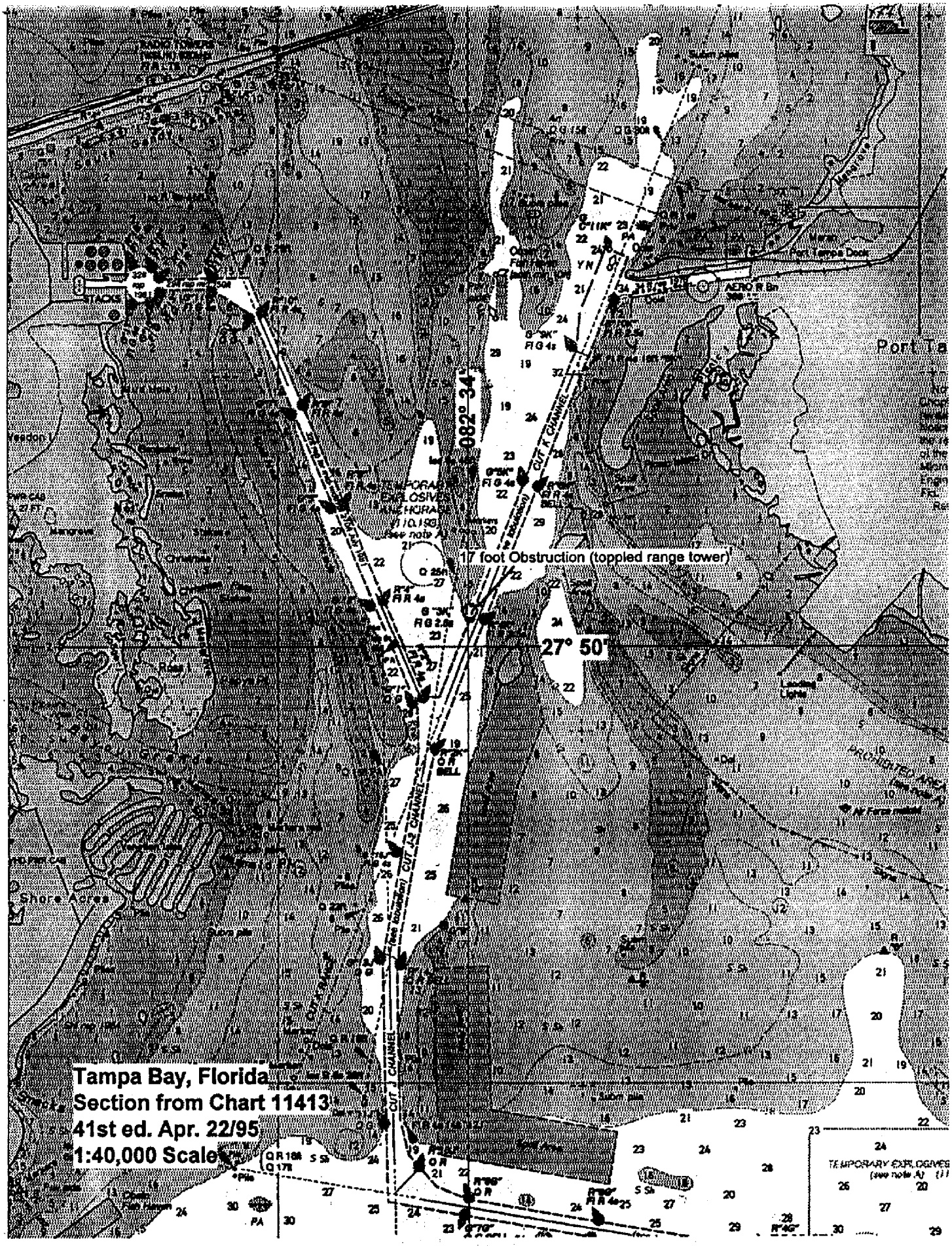
Sincerely,

James A Illg

LT James A. Illg, NOAA
Chief, Atlantic Hydrographic Party

Attachment

cc: N/CS26
N/CS33
DMAHTC


082° 34'
27° 50'
17 foot Obstruction (toppled range tower)
CUT J CHANNEL
CUT K CHANNEL
Port Ta
Tampa Bay, Florida
Section from Chart 11413
41st ed. Apr. 22/95
1:40,000 Scale

CONTROL STATIONS as of 9 Oct 1996

No	Type	Latitude	Longitude	H	Cart	Freq	Val	Code	MM/DD/YY	Station Name
1	0	027:36:01.482	082:45:37.145	0	0	0.0	0.0		03/01/96	USCG DGPS BEACON EGMONT KEY,FL
2	0	027:47:04.560	082:25:27.662	0	0	0.0	0.0		03/01/96	CAL #1, DOCKSIDE APOLLO D/T

The following table was used to determine the significance of side scan contacts and relative position to AWOIS items for further investigation:

Geographic positions and descriptions can be found in on the DP Editor printout.

LD Fx #	DN	AWOIS #	LD feet	Common SSS contacts #=s
4	137	8845	none	N/A
6	137	8849	none	N/A
4007	172	8846	15.0	c-79
4008	172	8846	16.7	c-81
4009	172	8846	16.4	c-82
4010	172	8846	15.4	c-78
4011	172	8846	16.0	c-80
4012	172	8846	17.7	N/A
4013	172	8846	16.7	c-77
4014	172		19.3	c-3; 2260.1; 2568.1
4016	177	8848	23.6	N/A
4018	177	8847	N/A	c-70a; c-70b; 2333.1(No Contacts)
4021	177		18.3	2567.1
4024	177		17.3	2369.1
4026	177		18.0	c-68
4027	177		21.9	c-68a
4028	177		16.0	2336.1
4029	177		16.0	2297.1
4031	179		14.1	c-69
4033	179		19.3	2399.1
4035	179		17.3	2492.1
4037	179		20.6	2491.p1,p2,p3
4039	179		27.5	c-63; 2477.1
4043	179		21.6	2782.1
4045	179		38.0	2180.1
15340	214		33.4	3091.p1,p2
15341	214		36.0	3069.1; 3068.1
15342	214		20.6	10547.1; 10531.1
15343	214		21.9	10778.1; 10549.1; 10548.1
15344	218		17.0	10139.p1,p2,s1; 10194.p1
15345	218		17.0	10194.p2
15346	218		20.9	10447.1; 10388.1
15348	218		20.6	10465.1; 10617.1
15349	218		23.6	10489.p2; 10346.1
15350	218		25.9	4092.1; 4122.1; c-65
15352	218		22.3	4058.1; 4155.1
15353	219		25.5	10310.1; 10309.1; 10282.1; 10525.1
15354	219		26.8	10284.1; 10527.2;
15355	219		27.5	10289.1; 10303.1

LD Fx #	DN	AWOIS #	LD feet	Common SSS contacts
15357	219		31.4	12837.1
15359	219		37.3	12823.1
15360	219		26.8	6800.1
15361	219		16.4	13005.1
15362	220		23.2	12856.1
15363	220		28.8	7167.1
15364	220		22.6	6978.1
15365	220		N/A	13122.1 (No Contacts)
15366	220		22.6	13255.1
15366	221	8805	N/A	N/A (No Contacts)
15367	221	8805	N/A	N/A (No Contacts)
15367	221	8805	N/A	N/A (No Contacts)
15369	221	8810	N/A	N/A (No Contacts)
15370	221	8810	22.9	N/A (No Contacts)
15371	221	8810	22.6	N/A (No Contacts)
15372	221	8804	N/A	N/A (No Contacts)
15373	221	8809	28.5	13319.1
20044	277		29.8	17223.1*
20045	277		20.9	17223.0*
20046	277		21.3	17260.2*
20047	277		30.1	17259.0*
20048	277		19.6	17540.2*
20049	277		21.6	17513.1*
20050	277		19.3	17513.1*
20051	277		20.9	17537.2*
20052	277		25.5	17515.1*
21284	297		21.3	19037.1/18092.1
21285	297		N/A	19007.1 (No Contact)
21286	297		21.3	7000.1
21287	297		N/A	7143.1 (No Contact)
21288	297		N/A	13248.1 (No Contact)
21289	297		20.9	15278.1/15313.1
21290	297		14.7	16694.1
21291	297		14.4	16842.1
21292	297		N/A	16708.1 (No Contact)
21293	297		N/A	3651.1 (No Contact)
21294	297		N/A	3805.1 (No Contact)
21295	297		24.2	3838.1
21296	297		N/A	3735.1 (No Contact)
21297	298		20.6	10131.1
21298	298		21.3	10385.1/10133.1
21299	298		16.7	C-71
21300	298		15.4	C-70

LD Fx #	DN	AWOIS #	LD feet	Common SSS contacts
21301	298		17.3	2345.1
21302	298		15.4	10404.1
21303	298		N/A	2302.1 (No Contact)
21304	298		15.0	10704.1
21305	298		23.9	10455.1
21306	298		20.6	10088.1
21308	298		12.7	10332.1
21309	298		23.9	10056.1
21310	298		24.2	2479.1

* These contacts were within the debris field noted with an established geographic limit depicted on the Field Sheet (Boat Sheet), and in a Danger to Navigation letter dated 29 October, 1996. There were no comparisons made for common SSS contacts due to the density of contacts in this field. The above dives listed on DN 277 were on contacts of prominence, and a safety limit was established to cover all contacts in this area, and defined as the debris field.

AWOIS NO: 8803

Item Description: Obstruction, Artificial Reef

Source: CL422/66- City of St. Petersburg

AWOIS Position: Lat - 27/46/34.09N **Lon** - 082/34/47.34W

Required Investigation: S2, ES, DI

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 08/27/96 (DN:240)

Position Numbers: N/A **Launch Number:** 0518

Investigation Used: S2, VS, ES, **Water Visibility:** N/A

Position Determined By: DGPS

Investigation Summary: The required area was covered with 200-percent side scan sonar coverage and no contacts were found within the recommended AWOIS search radius.

CHARTING RECOMMENDATION

The hydrographer recommends that the artificial reef be removed from chart. DO NOT CONCUR. SEE SECTION N.1. OF THE EVALUATION REPORT.

Recommended AWOIS Position: Lat - **Lon** -

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	ADD TWO UNS

AWOIS NO: 8804

Item Description: Submerged Steel Structure

Source: LNM23/83--7th CGD

AWOIS Position: Lat - 027/46/38.29W **Lon** - 082/34/20.34

Required Investigation: S2, BD, DI

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 08/08/96 (DN:221) DI, 08/27/96 (DN:240) SSS

Position Numbers: 15372 **Launch Number:** 0518

Investigation Used: S2, VS, ES, DI, DLS **Water Visibility:** 1m

Position Determined By: DGPS

Investigation Summary: A diver investigation was conducted using the Diver Locator Sonar (DLS-1). A 20/60/120-meter sweep was performed and no contacts were heard. A 200-percent coverage side scan sonar survey was also conducted and no contacts were found within the recommended AWOIS search radius.

CHARTING RECOMMENDATION

The hydrographer recommends that the submerged steel structure be removed from the chart. Concur

Recommended AWOIS Position: Lat - **Lon -**

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	DELETE (.) OBSTN PA

AWOIS NO: 8805

Item Description: Obstruction (Survey Markers)

Source: H8429/58, BP89103--OPR-505-HFP-745,CES

AWOIS Position: Lat - 27/46/24.59N **Lon** - 082/33/11.84W

Required Investigation: S4, BD, VS, DI -- 30m Search Radius

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 08/08/96(DN:221) DI, 08/27/96(DN:240) SSS

Position Numbers: 15366-15368 **Launch Number:** 0518

Investigation Used: S2,VS, ES, DI, DLS **Water Visibility:** 1m

Position Determined By: DGPS

Investigation Summary: A diver investigation was conducted using the Diver Locator Sonar (DLS-1). A 20/60/120-meter sweep was performed and no contacts were heard. A 200-percent side scan sonar survey was also conducted and no contacts were found in the recommended AWOIS search radius.

CHARTING RECOMMENDATION

The hydrographer recommends the obstruction be removed from chart. Concur

Recommended AWOIS Position: Lat - **Lon -**

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	DELETE 0.0 Submerged

AWOIS NO: 8809

Item Description: Unknown (Partially Visible Wreck)

Source: CL825/89--NM Marine Information Report

AWOIS Position: Lat - 27/47/26.00N **Lon** - 082/35/05.00W

Required Investigation: S2, BD, SD -- 300m Search Radius

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 07/11/96 (DN:193)

Position Numbers: N/A **Launch Number:** 0518

Investigation Used: S2,VS, ES **Water Visibility:** N/A

Position Determined By: DGPS

Investigation Summary: A 200-percent side scan sonar survey was conducted and no contacts were found in the recommended AWOIS search radius.

CHARTING RECOMMENDATION

DANGEROUS SUNKEN WRECK PA

The hydrographer recommends the ~~unknown obstruction (partially visible wreck)~~ be removed from the chart. CONCUR.

Recommended AWOIS Position: Lat - **Lon -**

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	DELETE ~~BD (41)~~ PA

AWOIS NO: 8810

Item Description: Fishing Vessel CAPT "J"

Source: LNM03/86--7th CGD

AWOIS Position: Lat - 27/46/55.09N **Lon** - 082/33/35.34W

Required Investigation: S2, BD, DI, SD -- 300m Search Radius

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 08/08/96 (DN:221) DI, 08/13/96 (DN:226)
Position Numbers: 15370-15371 **Launch Number:** 0518

Investigation Used: S2, VS, ES, DI, DLS **Water Visibility:** 1m

Position Determined By: DGPS

Investigation Summary: A diver investigation was conducted using the Diver Locator Sonar (DLS-1). A 20/60/120-meter sweep was performed and a submerged wreck was found within the search radius. Detached position 15370 is the north end and 15371 is the south end of the submerged wreck. A 200-percent coverage side scan sonar survey was also conducted in this area. The side scan sonar data confirmed the location of the submerged wreck.

CHARTING RECOMMENDATION

The hydrographer recommends that the currently charted subm wreck PA be removed and a submerged wreck be charted at the position listed below. Concur

Recommended AWOIS Position: **Lat**-27/47/00.37N **Lon**-082/33/33.83W (North end)
~~**Lat**-27/46/59.9N **Lon**-082/33/34.1W (South end)~~

Recommended AWOIS Least Depth: Position ~~15370, 7.0~~ 21289 6.1 meters at MLLW. (20FT)
~~Position 15371, 6.9 meters at MLLW.~~

****

COMPILATION NOTES

Chart	Applied As
	DELETE ~~WK~~ PA
	CHART 20 WK

AWOIS NO: 8844

Item Description: Unknown (Sunken Barge/Vessel)

Source: CL1290/85--USPS

AWOIS Position: Lat - 27/51/57.08N **Lon -** 082/33/04.34W

Required Investigation: S2, BD,SD -- 200m Search Radius

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 06/19/96 (DN:171)SSS

Position Numbers: N/A **Launch Number:** 0518

Investigation Used: S2, VS, ES, **Water Visibility:** N/A

Position Determined By: DGPS

Investigation Summary: A 200-percent coverage side scan sonar survey was conducted and no contacts were found in the recommended AWOIS search radius.

CHARTING RECOMMENDATION

The hydrographer recommends that the unknown ~~obstruction~~ SUNKEN (wreck) AA be removed from the chart. Concur

Recommended AWOIS Position: Lat - **Lon -**

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	DELETE (H) AA.

AWOIS NO: 8845

Item Description: Obstruction (Row of Six Markers)

Source: H8424/58--C&GS, CL1067/81--USPS

AWOIS Position: Lat - 27/52/06.48N **Lon** - 082/33/40.14W

Required Investigation: S4, BD, DI

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 05/16/96 (DN:137)

Position Numbers: 1-4 **Launch Number:** 0518

Investigation Used: VS, ES, DI, DLS **Water Visibility:** 1m

Position Determined By: DGPS

Investigation Summary: A visual search found detached position 1 to be an exposed 3 pile dolphin, 5.4 meters in height. Detached position 2 is a single exposed pile, 5.4 meters in height, which lies between positions 1 and 3. Detached position 3 is a 3 pile exposed dolphin, 4.6 meters in height. Photographs were taken and are included with the survey data. Detached position 4 is the location of a diver investigation conducted using the Diver Locator Sonar (DLS-1). A 20/60/120-meter sweep was performed and no other contacts were found in the recommended AWOIS search radius.

CHARTING RECOMMENDATION

The hydrographer recommends that the ~~3~~ 4 charted submerged piles be removed ED and the 2 dolphins and the single exposed pile be charted at the recommended positions below. Concur

Recommended AWOIS Position: **Lat** -27/52/~~85.8~~05.90N **Lon** -082/33/39.~~8~~87W (Pos#1)
Lat -27/52/~~86.8~~06.09N **Lon** -082/33/40.~~8~~87W (Pos#2)
Lat -27/52/~~86.2~~06.23N **Lon** -082/33/42.~~8~~02W (Pos#3)

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	DELETE 0000 SUBM PILES ED
	CHART 000 DO/S

AWOIS NO: 8846

Item Description: Obstruction (Line of Approximately 14 Markers)

Source: H8424/58--USC&GS, CL1466/80--USPS

AWOIS Position: Lat - 27/52/44.88N **Lon** - 082/32/54.54W

Required Investigation: S4, BD, DI

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 06/19/96 (DN:171) SSS, 06/20/96 (DN:172) DI

Position Numbers: 3534-3556 SSS
4007-4013 DI

Launch Number: 0518

Investigation Used: S2, ES, DI, DLS

Water Visibility: 3m

Position Determined By: DGPS

Investigation Summary: A 200-percent side scan sonar survey was conducted and seven contacts were found in the recommended AWOIS search radius. A diver investigation was then conducted using the Diver Locator Sonar (DLS-1). A 20/60/120-meter sweep was performed which found the rotting remains of the charted piling, all lying on their sides half buried in the sandy bottom. The piling were 10"-12" diameter. The piling were found between 27°52'41"N, 082°32'47"W (east end) and 27°52'44"N, 082°32'57"W (west end). Least depths ranged from 15.1' (4.6m) to 17.7' (5.4m) in water depths of 15' (4.6m) to 18' (5.5m), with none of the piles rising more than 0.1m off the bottom. CONCUR

CHARTING RECOMMENDATION

Because these piles are flush with or nearly flush with the bottom, this item is recommended for removal from the chart. CONCUR SOUNDINGS DEPTHS ARE 15 TO 17 FT.

Recommended AWOIS Position: Lat- **Lon -**

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart | Applied As

DELETE
THE 5 SUBM piles

AWOIS NO: 8847

Item Description: Obstruction (Two Markers)

Source: 1945 Air Photo Revision, CL1466/80--USPS

AWOIS Position: Lat - 27/53/03.50N **Lon -** 082/32/43.00W

Required Investigation: S4, BD, DI

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 06/19/96 (DN:171) SSS, 06/25/96 (DN:177) DI

Position Numbers: 4018 **Launch Number:** 0518

Investigation Used: S2, ES, DI, DLS **Water Visibility:** 1m

Position Determined By: DGPS

Investigation Summary: A 200-percent side scan sonar survey was conducted and seven minor contacts were found in the recommended AWOIS search radius. Results from the HDAPS contact table showed three of the seven contacts appeared significant enough to perform diving operations on. A diver investigation was conducted using the Diver Locator Sonar (DLS-1). A 20/60/120-meter sweep was performed and found no contacts in the recommended AWOIS search radius.

CHARTING RECOMMENDATION

The hydrographer recommends that the markers/piles be removed the from chart. Concur

Recommended AWOIS Position: Lat - **Lon -**

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	Delete 2 submerged piles

AWOIS NO: 8848

Item Description: Obstruction (Row of Approximately 14 Markers)

Source: H8424/58--C&GS,CL1080/81--USPS

AWOIS Position: Lat - 27/53/11.68N **Lon -** 082/32/42.64W

Required Investigation: S4, BD, DI

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 06/19/96 (DN:171) SSS, 06/25/96 (DN:177) DI

Position Numbers:3395-4006 (SSS)
4016 (DI)

Launch Number: 0518

Investigation Used: S2, ES, DI, DLS

Water Visibility: 2m

Position Determined By: DGPS

Investigation Summary: A 200-percent side scan sonar survey was conducted and two contacts were found in the recommended AWOIS search radius. A diver investigation was conducted using the Diver Locator Sonar (DLS-1). A 20/60/120-meter sweep was performed and found two crab pots. No piles/markers were found within the recommended AWOIS search radius.

CHARTING RECOMMENDATION

The hydrographer recommends that the charted 1 submerged piles ED be removed from the chart. Concur

Recommended AWOIS Position: Lat - **Lon -**

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	DELETE 1 OBM piles ED 000000

AWOIS NO: 8849

Item Description: Obstruction (Pile)

Source: H8424/58--C&GS, CL409/82--USPS

AWOIS Position: Lat - 27/53/14.58N **Lon** - 082/32/33.54W

Required Investigation: S4, BD, DI --30m Search Radius

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 05/16/96 (DN:137)

Position Numbers: 6 **Launch Number:** 0518

Investigation Used: VS, ES, DI, DLS **Water Visibility:** 1m

Position Determined By: DGPS

Investigation Summary: A diver investigation was conducted using the Diver Locator Sonar (DLS-1). A 20/60/120-meter sweep was performed and no contacts were found within the recommended AWOIS search radius.

CHARTING RECOMMENDATION

The hydrographer recommends that the single pile be removed from the chart. Concur

Recommended AWOIS Position: Lat - **Lon -**

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	DELETE SUBM PILE 0

AWOIS NO: 8850

Item Description: Obstruction (Sounding)

Source: BP89100-05--OPR-505-HFP, CL837/74

AWOIS Position: Lat - 27/53/23.00N **Lon** - 082/32/23.00W

Required Investigation: ES

Charts Affected: 11412, 11413, 11414

INVESTIGATION

Date(s)/DN(s): 06/05/96 (DN:157)

Position Numbers: 2057-2149 **Launch Number:** 0518

Investigation Used: ES **Water Visibility:** N/A

Position Determined By: DGPS

Investigation Summary: An echo sounder development at 20-meter line spacing was conducted in the inlet with the12 foot reported 1974 depth. The least depth found in the inlet was 19 feet at position 2126.

CHARTING RECOMMENDATION

The hydrographer recommends that the 12 foot reported 1974 notation be removed from the chart and replaced with 19 feet 1996. CONCUR IN PART. CHART PRESENT SURVEY SOUNDING IN THE CHANNEL

Recommended AWOIS Position: Lat - 27/53/22.9N **Lon** - 082/32/27.4W

Recommended AWOIS Least Depth:

****

COMPILATION NOTES

Chart	Applied As
	DELETE NOTATION "12 ft rep 1974"

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Office of Ocean and Earth Sciences
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: June 11, 1997

MARINE CENTER: Atlantic

HYDROGRAPHIC PROJECT: OPR-J343-AHP

HYDROGRAPHIC SHEET: H-10685

LOCALITY: Tampa Bay, Florida, Coffee Pot Bayou to Port Tampa Bay

TIME PERIOD: May 16 - Oct 24,1996

TIDE STATION USED: 872-6520 St. Petersburg, Florida
Lat. 27° 45.6'N Lon. 82° 37.6'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 m
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.598 m

TIDE STATION USED: 872-6607 Old Port Tampa, Florida
Lat. 27° 51.4'N Lon. 82° 33.2'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 m
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.665 m

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: TB45, TB48, TB49, TB53 & TB54

Refer to attachment(s) for zoning information.

Note: Provided time series data are tabulated in metric units (meters) and on Greenwich Mean Time.

CHIEF, TIDAL ANALYSIS BRANCH

NOAA FORM 76-155
(11-72)

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

GEOGRAPHIC NAMES

SURVEY NUMBER

H-10685

Name on Survey	A ON CHART NO. 11413	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	
BAYOU GRANDE	X		X							1
BENJAMIN ISLAND	X		X							2
CHRISTMAS ISLAND	X		X							3
CHRISTMAS PASS	X		X							4
COFFEEPOT BAYOU (title)	X		X							5
FLORIDA (title)	X		X							6
INTERBAY PENINSULA	X		X							7
MERMAID POINT	X		X							8
MUD HOLE ISLAND	X		X							9
PAPYS POINT	X		X							10
PORT TAMPA DOCK (title)	X		X							11
ROSS ISLAND	X		X							12
SAINT PETERSBURG	X		X							13
SHORE ACRES (ppl)	X		X							14
SMACKS BAYOU	X		X							15
SNAKE ISLAND	X		X							16
SNELL ISLAND HARBOR	X		X							17
TAMPA BAY	X		X							18
VENETIAN ISLES	X		X							19
WEEDON ISLAND	X		X							20
					Approved:					21
										22
										23
					Chief Geographer					24
					APR 10 1997					25

NOAA FORM 76-155 SUPERSEDES C&GS 197

02/10/98

HYDROGRAPHIC SURVEY STATISTICS
REGISTRY NUMBER: H-10685

NUMBER OF CONTROL STATIONS	2
NUMBER OF POSITIONS	21310
NUMBER OF SOUNDINGS	21310

	TIME-HOURS	DATE COMPLETED
PREPROCESSING EXAMINATION	16	01/31/97
VERIFICATION OF FIELD DATA	157	06/19/97
QUALITY CONTROL CHECKS	0	
EVALUATION AND ANALYSIS	43	
FINAL INSPECTION	79	01/20/98
COMPILATION	98	02/09/98
TOTAL TIME	393	

ATLANTIC HYDROGRAPHIC BRANCH APPROVAL 01/20/98

NOAA FORM 61-29
(12-71)

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

REFERENCE NO.

N/CS33-11-98

LETTER TRANSMITTING DATA

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

☐ ORDINARY MAIL ☐ AIR MAIL

☐ REGISTERED MAIL ☒ EXPRESS

☐ GBL *(Give number)* _____

TO:

NOAA/National Ocean Service
Chief, Data Control Group, N/CS3x1
SSMC3, Station 6815
1315 East-West Highway
Silver Spring, MD 20910-3282

DATE FORWARDED

February 11, 1998

NUMBER OF PACKAGES

1 Box, 1 Tube

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-10685

Florida, Tampa Bay, Coffeepot Bayou to Port Tampa Dock

1 Box Containing:

1 Original Descriptive Report for H-10685
1 Envelope with HISTORY OF CARTOGRAPHIC WORK (NOAA form 76-71) for H-10685 for chart 11417

1 Tube Containing:

1 Original Smooth Sheet for H-10685
1 Paper Composite plot (1 of 2) of survey H-10685 for chart 11417
1 Paper Composite plot (2 of 2) of survey H-10685 for chart 11417
1 Mylar H-Drawing of H-10685 for NOS chart 11417

FROM: *(Signature)* R. H. Whitfield

Richard H. Whitfield

RECEIVED THE ABOVE
(Name, Division, Date)

Return receipted copy to:

Atlantic Hydrographic Branch N/CS331
439 W. York Street
Norfolk, VA 23510-1114

☆U.S.GPO:1983-0-664-006/1192

ATLANTIC HYDROGRAPHIC BRANCH
EVALUATION REPORT FOR H-10685 (1996)

This Evaluation Report has been written to supplement and/or clarify the original Descriptive Report. Sections in this report refer to the corresponding sections of the Descriptive Report.

D. AUTOMATED DATA ACQUISITION AND PROCESSING

The following software was used to process data at the Atlantic Hydrographic Branch:

Hydrographic Processing System
NADCON, version 2.10
AutoCAD, Release 12
QUICKSURF, version 5.1
MicroStation 95, version 5.05
I/RAS B, version 5.01

The smooth sheet was plotted using an ENCAD NovaJet III plotter.

H. CONTROL STATIONS

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 NAD 83 and the North American Datum of 1927 (NAD 27).

To place this survey on the NAD 27, move the projection lines 1.091 seconds (33.599 meters or 3.36 mm at the scale of the survey) north in latitude, and .651 seconds (17.814 meters or 1.78 mm at the scale of the survey) east in longitude.

J. SHORELINE

Shoreline for the present survey originates with National Ocean Service (NOS) chart 11413 (41st Ed., Apr 22/95). The shoreline is shown on the present survey smooth sheet in brown and is for orientation purposes only.

L. JUNCTIONS

H-10606 (1995) to the southwest
H-10623 (1995) to the southeast

A standard junction could not be made with the junctional surveys. The smooth sheets for the junctional surveys are archived at NOS headquarters, Silver Spring, Maryland. In this case the note "ADJOINS" has been shown on the present survey smooth sheet. Any adjustments to the depth curves in

the junctional areas will have to be made on the chart during compilation.

There are no contemporary surveys to the north and south of the present survey. Present survey depths are in harmony with the charted hydrography to the north and south.

M. COMPARISON WITH PRIOR SURVEYS

H-8424 (1958) 1:20,000
H-8425 (1958) 1:10,000
H-8426 (1958) 1:10,000
H-8429 (1958) 1:20,000

1. Prior survey H-8424 covers a small section of the north east section of the present survey. Prior survey soundings are in good agreement with scattered soundings varying plus or minus 1 foot with present survey soundings.

2. Prior survey H-8425 covers the central area of the present survey from Latitude 27°48'30"N, to Latitude 27°51'45"W. Prior survey soundings are in good agreement with the present survey. Scattered prior survey depths vary plus or minus 1 foot with present survey depths.

a. The following charted piles originate with the prior survey. The piles were neither verified nor disproved by the present survey and have been brought forward from the prior survey to supplement the present survey. The piles are shown as submerged on the present survey.

Feature	Latitude (N)	Longitude (W)
pile	27°48'40.5"	82°34'34.5"
pile	27°48'48.0"	82°34'34.6"
pile	27°51'13.0"	82°33'22.5"

It is recommended that these piles be revised to submerged piles as shown on the present survey.

b. The charted row of four markers, in the vicinity of Latitude 27°50'32"N, Longitude 82°34'01"W originates with the prior survey. These markers are considered disproved by 200% side scan sonar. It is recommended that the four markers be deleted from the chart.

c. A charted visible pile was verified and located by the hydrographer in Latitude 27°50'07.783"N, Longitude 82°34'32.871"W. No change in charting is recommended.

3. Prior survey H-8426 covers a small area of the southwest section of the present survey. Prior survey soundings are in good agreement with the present survey. Scattered prior survey depths vary plus or minus 1 foot with present survey depths.

4. Prior survey H-8429 covers the southern section of the present survey. Prior survey soundings are in good agreement with the present survey. Scattered prior survey depths vary plus or minus 1 foot with present survey depths.

a. The following charted piles originate with the prior survey. These piles were neither verified nor disproved by the present survey and have been brought forward from the prior survey to supplement the present survey.

Features	Latitude (N)	Longitude (W)
pile	27°47'58.8"	82°34'57.0"
pile	27°47'56.8"	82°34'53.5"

It is recommended that the piles be retained as charted.

b. A charted dolphin originating with the prior survey in Latitude 27°47'50.8"N, Longitude 82°34'37.5"W was neither verified nor disproved by the present survey. The dolphin has been brought forward from the prior survey to supplement the present survey. The dolphin is shown as submerged on the present survey. It is recommended that the charted dolphin be revised to a submerged dolphin as shown on the present survey.

c. A charted visible pile originating with the prior survey in Latitude 27°47'33.0"N, Longitude 82°35'13.8"W is considered adequately disproved by 200% side scan sonar. It is recommended that the visible pile be deleted from the chart.

d. A charted visible pile originating with the prior survey in Latitude 27°47'36.8"N, Longitude 82°35'13.0"W is charted immediately outside the limits of the present survey. This pile is not considered disproved by the present survey and has been brought forward from the prior survey to supplement the present survey. It is recommended that the pile be retained as charted.

Except as noted above the present survey is adequate to supersede the above prior surveys within the common area.

N. ITEM INVESTIGATIONS

1. Automated Wreck and Obstruction Information System (AWOIS) item #8803 is a charted Obstruction, Fish Haven (auth min depth 17-ft) in Latitude 27°46'34.09"N, Longitude 82°34'47.34"W. Two uncharted obstructions with depths of 14 feet were located by the present survey in Latitude 27°46'34.67"N, Longitude 82°34'51.18"W, and Latitude 27°46'34.68"N, Longitude 82°34'42.87"W. Because the obstructions are shoaler than the authorized minimum depth of the fish haven, the obstructions are considered dangers to navigation. It is recommended that the two obstructions with depths of 14-ft be charted as shown on the present survey. It is also recommended that the Marine Chart Division, Source Data Unit ascertain the pertinent information for application of this feature to the nautical chart.

O. COMPARISON WITH CHARTS 11412 (36th Edition, Jun 04/94) 11413 (41st Edition, Apr 22/95) 11414 (36th Edition, Jun 04/94)

a. Hydrography

The charted hydrography originates with the previously discussed prior surveys and requires no further consideration. The hydrographer makes an adequate chart comparison in section O. of the Descriptive Report. The following should be noted:

1. A charted visible pile, originating with an unknown source in Latitude 27°48'05"N, Longitude 82°34'21"W, was neither verified nor disproved by the present survey. The present survey shows no indication of a visible pile in the vicinity. It is recommended that the pile be revised to submerged.

2. Three charted Spoil Areas in the vicinities of Latitude 27°48'00"N, Longitude 82°34'00"W, Latitude 27°49'15"N, Longitude 82°33'50"W, and Latitude 27°50'45"N, Longitude 82°35'00"W, were developed by the field unit. It is recommended that the charted limits and the notations Spoil Area be retained. It is also recommended that the blue tint be deleted within the limits of the spoil areas and depths from the present survey be charted as shown on the present survey.

3. The charted Obstruction (fish haven), in the vicinity of Latitude 27°47'18"N, Longitude 82°36'00"W, has been developed by the present survey. The fish haven is charted approximately 700 meters to the west of the dump site of all the debris, or the debris for the fish haven was not dumped in

the correct area. It is recommended that the Marine Chart Division, Source Data Unit ascertain the pertinent information for application of this feature to the nautical chart.

4. The following uncharted features were located by the present survey.

Feature	Latitude (N)	Longitude (W)
16 Rk	27°52'36.12"	82°32'52.52"
14 Rk	27°52'15.38"	82°32'57.43"
17 Rk	27°52'22.05"	82°32'59.43"
15 Rk	27°52'20.47"	82°32'56.30"
14 Rk	27°52'23.53"	82°33'10.78"
17 Rk	27°52'02.50"	82°33'16.49"
21 Rk	27°51'59.50"	82°33'21.59"
18 Obstr	27°51'46.77"	82°33'09.23"
14 Rk	27°51'48.20"	82°33'30.61"
23 Rk	27°50'53.09"	82°33'51.39"
20 Rk	27°50'43.39"	82°33'49.43"
22 Rk	27°50'03.88"	82°34'04.17"
23 Obstr	27°49'53.55"	82°34'07.08"
22 Obstr	27°49'51.84"	82°34'00.80"
23 Obstr	27°49'03.29"	82°34'23.03"
21 Obstr	27°46'35.96"	82°35'59.99"
22 Obstr	27°47'13.47"	82°33'18.82"
20 Obstr	27°47'21.18"	82°33'58.17"
17 RK	27°52'04.50"	82°33'09.49"

GKM 3-17-98

It is recommended that these features be charted as shown on the present survey.

5. The following uncharted features were located by the present survey. Because these features have shoaler depths in the immediate vicinity or are deeper than controlling depths, they are not considered hazards to navigation.

Feature	Latitude (N)	Longitude (W)
16 Rk	27°52'55.43"	82°32'42.24"
16 Obstr	27°52'19.15"	82°32'56.93"
23 Rk	27°51'45.10"	82°33'26.71"
21 Rk	27°51'30.90"	82°33'34.37"
19 Obstr	27°51'15.86"	82°33'22.47"
12 Rk	27°50'32.03"	82°33'58.92"
33 Rk	27°50'33.96"	82°34'38.42"
35 Rk	27°49'59.20"	82°34'20.34"
27 Rk	27°49'45.51"	82°34'19.28"
31 Rk	27°49'38.58"	82°34'15.97"
37 Rk	27°49'36.20"	82°34'12.41"
38 Rk	27°50'01.45"	82°34'01.74"

27 Obstr	27°49'25.28"	82°34'02.38"
16 Obstr	27°47'36.29"	82°34'04.05"
28 Obstr	27°47'20.63"	82°33'19.64"
23 Rk	27°47'24.61"	82°33'39.30"

It is recommended that these features not be charted.

6. Three uncharted rocks with depths of 23-ft, 25-ft, and 27-ft were located by the hydrographer in Latitude 27°49'54.53"N, Longitude 82°34'13.79"W, Latitude 27°49'57.51"N, Longitude 82°34'15.66"W, and Latitude 27°49'54.44"N, Longitude 82°34'16.80"W, respectively. Because of the scale of the chart, it is recommended that the rock with a depth of 27 feet not be charted and the rocks with depths of 23 feet and 25 feet be charted as rocks with a danger curve covering the area of all three rocks.

7. Two uncharted rocks with depths 0f 20-ft and 21-ft were located by the hydrographer in Latitude 27°49'49.90"N, Longitude 82°34'21.75"W, and Latitude 27°49'52.50"N, Longitude 82°34'22.30"W, respectively. Because of the scale of the chart, it is recommended that the rock with a depth of 21 feet not be charted and the rock with a depth of 20 feet be charted as 20 Rks with a danger curve covering the area of both rocks.

8. Two uncharted rocks with depths 0f 20-ft and 21-ft were located by the hydrographer in Latitude 27°51'52.91"N, Longitude 82°33'17.99"W, and Latitude 27°51'53.40"N, Longitude 82°33'20.55"W, respectively. Because of the scale of the chart, it is recommended that the rock with a depth of 21 feet not be charted and the rock with a depth of 20 feet be charted as 20 Rks with a danger curve covering the area of both rocks.

The present survey is adequate to supersede the charted hydrography within the common area.

b. Dangers to Navigation

Three Danger to Navigation reports were submitted to Commander (oan), Seventh Coast Guard District, Miami, Florida for inclusion in the Local Notice to Mariners, and to the Marine Chart Division, N/CS3x1, Silver Spring, Maryland. Copies of the reports are appended to the Descriptive Report. The following should be noted:

1. The following features have been submitted as dangers to navigation and are presently shown on chart 11417 (1st Ed. June 21/97).

Feature	Latitude (N)	Longitude (W)
26 Wk	27°50'43.38"	82°33'35.73"
17 Obstn	27°50'11.00"	82°33'59.82"

It is recommended that these features be retained as charted.

2. A danger to navigation report was submitted by the hydrographer on an uncharted dangerous submerged obstruction with a depth of 26 feet (26 *Obstn*) in Latitude 27°47'21.07"N, Longitude 82°35'24.29"W. The depth on the obstruction was computed with predicted tides. The obstruction is presently charted on the latest edition of chart 11417. During office processing approved tides were applied to the present survey. The rock is shown on the present survey as an obstruction with a depth of 25 feet. It is recommended that the charted dangerous submerged obstruction with a depth of 26 feet (26 *Obstn*) be revised to a dangerous submerged obstruction with a depth of 25 feet (25 *Obstn*).

3. A danger to navigation report was submitted by the hydrographer on two uncharted dangerous submerged obstructions with depths of 19 feet in Latitude 27°47'18.18"N, Longitude 82°35'29.49"W, and Latitude 27°47'15.53"N, Longitude 82°35'31.98"W. These obstructions are presently charted on the latest edition of chart 11417. The northern most of the two is shown as a sunken wreck on the present survey. It is recommended that dangerous 19-ft obstruction be revised to a dangerous sunken wreck (19 *Wk*). It is also recommended that the southern most obstruction be revised from 19 Obstns to 19 Obstn.

4. A danger to navigation report was submitted by the hydrographer on an uncharted dangerous submerged obstruction with a depth of 30 feet in Latitude 27°47'08.63"N, Longitude 82°35'38.38"W. The obstruction is presently charted on the latest edition of chart 11417. The obstruction is a wreck as shown on the present survey with a depth of 29 feet after application of approved tides during office processing. An obstruction with a depth of 20 feet was found in Latitude 27°47'08.63"N, Longitude 82°35'38.38"W. This obstruction is in the immediate vicinity of the wreck. It is recommended that the charted dangerous submerged obstruction with a depth of 30 feet (30 *Obstn*) be deleted and a dangerous submerged obstruction with a depth of 20 feet (20 *Obstn*) be charted as shown on the present survey.

5. A danger to navigation report was submitted by the hydrographer on an uncharted dangerous submerged obstruction

with a depth of 21 feet in Latitude 27°47'10.58"N, Longitude 82°35'42.27"W. The obstruction is presently charted on the latest edition of chart 11417. It is recommended that the dangerous submerged obstruction with a depth of 21 feet be retained as charted.

6. A Danger to Navigation report was submitted during office processing to Commander (oan), Seventh Coast Guard District, Miami, Florida for inclusion in the local Notice to Mariners, and to Marine Chart Division, N/CSx1, Silver Spring, Maryland. A copy of the report is appended to this report. See also section N.1. of this report.

P. ADEQUACY OF SURVEY

This is an adequate hydrographic survey. No additional work is recommended.

Q. AIDS TO NAVIGATION

Fixed aid to navigation Tampa Bay Cut J Channel Upper Range Rear Light in Latitude 27°49'57.99"N, Longitude 82°34'26.68"W is presently charted as Position Approximate (PA). It is recommended that the notation PA be removed from the chart unless other information indicates otherwise.

S. MISCELLANEOUS

Chart compilation was done by Atlantic Hydrographic Branch personnel, in Norfolk, Virginia. Compilation data will be forwarded to Marine Chart Division, Silver Spring, Maryland.

NOAA chart 11417 (1st Ed., June 21/97) was used for compilation of the present survey.

Robert Snow

Robert Snow
Cartographic Technician
Verification of Field Data
Evaluation and Analysis

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE, Office of Coast Survey
Atlantic Hydrographic Branch
439 W. York Street
Norfolk, VA 23510-1114

January 6, 1998

Commander (oan)
Seventh Coast Guard District
Brickell Plaza Building
909 SE 1st Avenue
Miami, FL 33131-3050

Dear Sir,

The following items were discovered during office processing and are considered a danger to navigation.

Hydrographic Survey Registry Number...H-10685
State.....Florida
General Locality.....Tampa Bay
Sublocality.....2.3 NM mi SE of Coffeepot Bayou
Project Number.....OPR-J343
Surveyed by.....NOAA Atl. Hydrographic Party

Two uncharted dangerous submerged obstructions (concrete rubble) with depths of 14 feet in Latitude 27°46'34.67"N, Longitude 82°34'51.18"W and Latitude 27°46'34.68"N, Latitude 82°34'42.87"W. These obstructions are within the limits of a charted Fish Haven with an authorized minimum depth of 17 feet.

Affected Nautical Chart:

CHART	EDITION NO.	DATE	HORIZ. DATUM
11417	1st	Jun 21/97	NAD 83

Questions concerning this report should be directed to the Atlantic Hydrographic Branch, by calling (757) 441-6746.

Sincerely,

Nicholas Perugini, CDR, NOAA
Chief, Atlantic Hydrographic Branch

Attachment

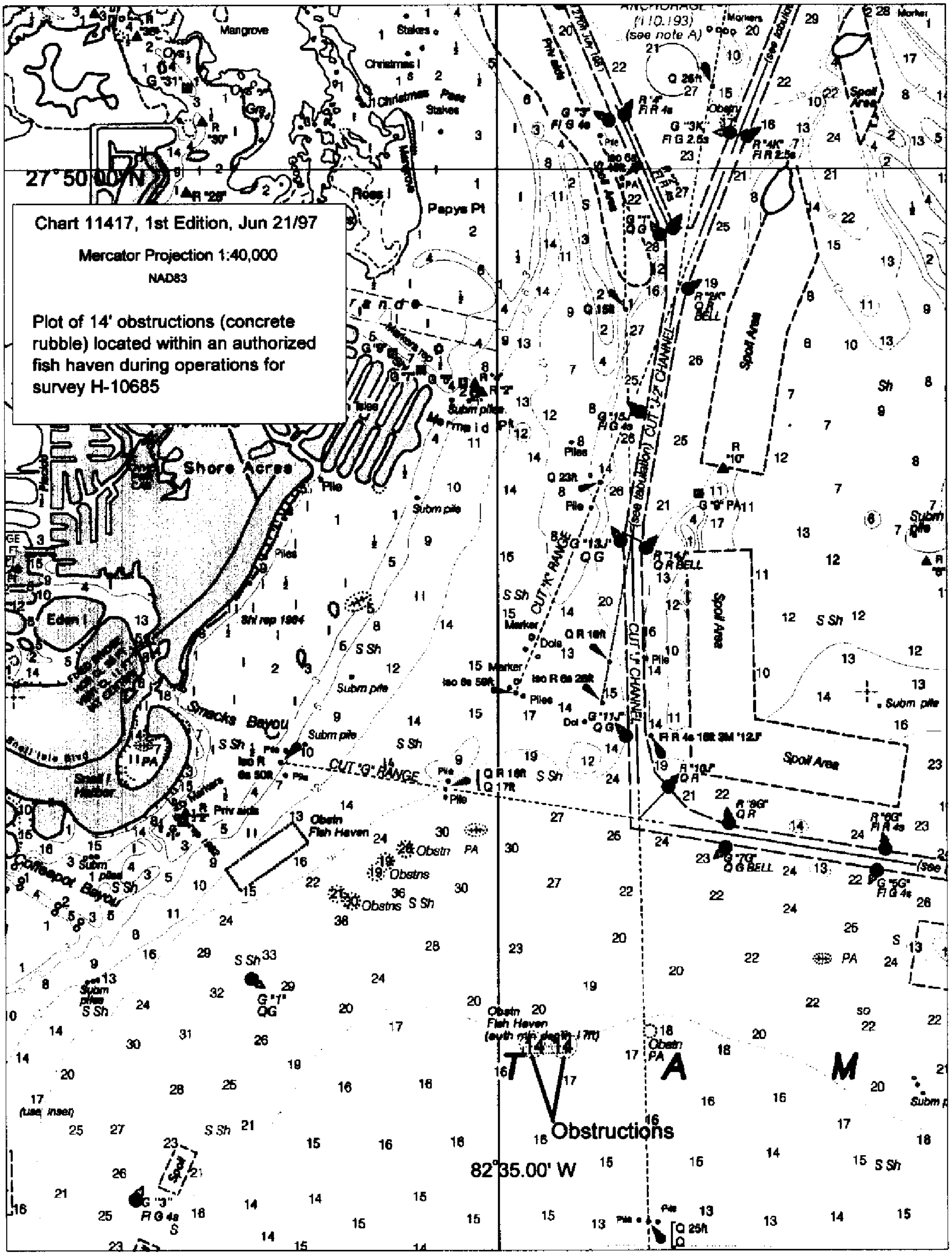


Chart 11417, 1st Edition, Jun 21/97
Mercator Projection 1:40,000
NAD83
Plot of 14' obstructions (concrete rubble) located within an authorized fish haven during operations for survey H-10685
27°50.00'N
82°35.00' W
Obstructions
Obstn Fish Haven
Shore Acres
Eden I
Papys Pt
Smacks Bayou
Snell I Harbor
Coffeepot Bayou
Mangrove
Christmas Pass
Ross I
Spoil Area
CUT "J" CHANNEL
CUT "K" RANGE
CUT "G" RANGE
T A M

APPROVAL SHEET
H-10685

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 disapproval 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 digital data for this survey. The survey records and digital data comply with NOS requirements except where noted in the Evaluation Report.

Richard H. Whitfield Date: JAN 20, 1998
Richard H. Whitfield
Cartographer
Atlantic Hydrographic Branch

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.

Nicholas E. Perugini Date: January 20, 1998
Nicholas E. Perugini, CDR, NOAA
Chief, Atlantic Hydrographic Branch

****

Final Approval:

Approved: Andrew A. Armstrong III Date: March 25, 1998
Andrew A. Armstrong III
Captain, NOAA
Chief, Hydrographic Surveys Division

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-10685

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
11417	2/2/98	[illegible]	Full ~~Part Before~~ After Marine Center Approval Signed Via
			Drawing No.
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SUPERSEDES C&GS FORM 8352 WHICH MAY BE USED.