10267

Diagram No. 1263-2

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. ... HFP-10-2-88

Registery No. ... H-10267

LOCALITY

State ... Florida

General Locality ... St. Andrew Bay--East Bay

Sublocality ... Farmdale Bayou to Wetappo Creek

1988

CHIEF OF PARTY
LCDR D.A. Waltz

LIBRARY & ARCHIVES

DATE ... May 11, 1989

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

10267

DDB
CHT
11393 A & B } WALTZ SIGN OFF ON FM IN BACK

NOAA FORM 77-28 (11-72)

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

HYDROGRAPHIC TITLE SHEET

REGISTER NO.

H-10267

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.

HFP 10-2-88

State FLORIDA

General locality ~~EAST BAY~~ ST ANDREW BAY -- EAST BAY

Locality FARMDALE BAYOU TO ~~HORSESHOE BAYOU~~ WETAPPO CREEK

Scale 1:10,000 Date of survey 20 Apr. - 24 May, 1988

Instructions dated 8 Sep., 1986 Project No. OPR-~~I~~J264

Vessel NOAA LAUNCH 0520

Chief of party LCDR D.A. Waltz

Surveyed by Lt(jg) J.~~H~~Maddox, E.~~L~~Martin, M.~~J~~Briscoe, ~~B~~R.W. Ramsey (HFP-4)

Soundings taken by echo sounder, hand lead, pole

Graphic record scaled by J.M., E.M., M.B., B.R.

Graphic record checked by J.M., E.M., M.B., B.R.

Protracted by ~~E.M.~~ HOUSTON INSTRUMENTS DP-03 PLOTTER Automated plot by KYNETICS 1201 PLOTTER (AMC)

Verification by ~~MOA23~~ Hydrographic Surveys Branch Personnel (AMC)

Soundings in ~~fathoms~~X feet at ~~MLW~~X MLLW

REMARKS: Change No.1 dated 8 Sept., 1986
" " 2 " 29 Oct., 1986
" " 3 " 1 Oct., 1987
" " 4 " 25 Apr., 1988

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

SURF/AWOIS ✓ - 6/6/89, SJV

SC 3-27-97

☆ U.S. GPO: 1974-0-768-081/1207

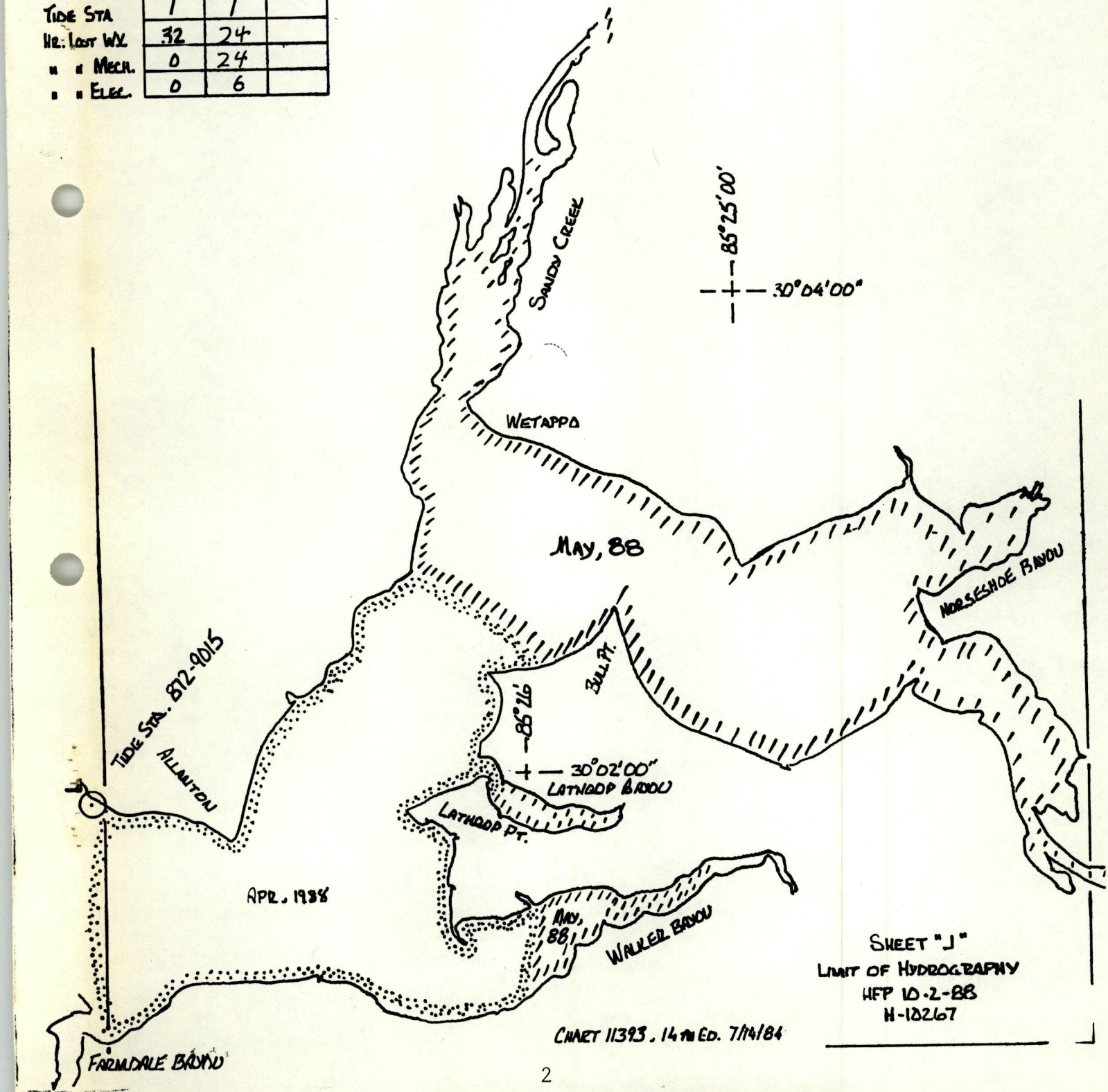
Month	APR	MAY	
Days Prod.	10	11	
LNM Sdg. Line	78.1	78.3	
LNM To/From	80	80	
LNM Misc.	40	48	
Sq.NM. Surveyed	3.0	4.0	
DP/BS	0/0	43/31	
Ctrl. Sta.	0	0	
Tide Sta	1	1	
Hr. Lost W.L.	32	24	
" " Mech.	0	24	
" " Elec.	0	6	

Monthly Progress Sketch

OPR J 2164 - HFP

East Bay, Florida

HFP-4, LCDR D.A. Waltz, Chief, HFPS



H-10267

Index

* Removed from original Descriptive Report and filed with original field data.

DESCRIPTIVE REPORT
TO ACCOMPANY
HYDROGRAPHIC SURVEY H-10267
HFP-10-2-88

Scale: 1:10,000
Chief of Party: Lt. Cdr. David A. Waltz
Officer in Charge: Lt. (jg) Jason H. Maddox
Hydrographic Field Party Section
Hydrographic Field Party 4
NOAA Launch 0520

A. PROJECT

This survey was conducted under Project Instructions OPR-J264-HFP-87, St. Andrew Bay, East Bay, Florida, dated Sept. 8,1986 and amended by Change No. 1, dated Sept. 8, 1987; Change No. 2, dated Oct. 29, 1986; Change No. 3, dated Oct. 1, 1987; and Change No. 4, dated April 25, 1988.

B. AREA SURVEYED

The area surveyed was the East Bay of St. Andrew Bay extending from Farmdale Bayou to ~~Horseshoe Bayou~~ Wetappo Creek, Florida, at a scale of 1:10,000.

The actual boundaries of the survey are as follows:

Lat. 30°06′~~00~~13" N	Lat. 30°06′~~00~~13" N
Long. 86°28′~~00~~09" W	Long. 85°23′18" W
Lat. 30°~~01~~00′~~00~~56" N	Lat. 30°~~01~~00′~~00~~56" N
Long. ~~86~~85°28′~~00~~09" W	Long. ~~86~~85°23′18" W

This survey was conducted from April 20, 1988 (DN 111) to May 24, 1988 (DN 145).

The purpose of this survey was to provide modern survey data for the maintenance of existing and proposed charts in the area.

C. SOUNDING VESSEL

Soundings were obtained from NOAA Launch 0520, a 21-foot MonArk. All survey records are annotated with the vessel's hull number.

D. SOUNDING EQUIPMENT AND CORRECTIONS TO ECHO SOUNDINGS

The following sounding equipment was used on this survey:

Manufacturer	Model #	Serial #	Launch
Raytheon	719-B	7727	0520

On December 4, 1987, a new transducer structure was installed on Launch 520 by party personnel. On December 7, 1987, measurements were performed to determine the true draft of Launch 520. The draft was determined to be 1.3 feet.

Bar checks were taken twice per day for good weather, once for inclement weather, and not accomplished for poor weather. Bar check data were used for velocity correction for one velocity table. Martek information was not used since ninety percent of the depths was under ten feet. Direct comparison logs can be found in the back section of the fan folder. Filed with original field records

There were no problems encountered during the operation of the DE719B, Fathometer, S/N 7727.

A Settlement and squat test was run on December 8, 1987 (DN 342) at Deckhands Marina, Ft. Walton Bch, Florida. Correctors for settlement and squat are applied via TC/TI tape. All data pertaining to the fore mentioned corrections to soundings are appended at the end of this text. Filed with original field records

Bar check lines were measured at the beginning and end of this project. No corrections are to be applied to the bar check lines.

All data were plotted using predicted tides furnished by the Tide Tables 1988. Smooth tide correctors were applied during office processing

E. HYDROGRAPHIC SHEETS (Field)

All field sheets were prepared by HFP-4 personnel using a Digital PDP8/e computer and a Houston DP-3 Complot plotter. Boatsheets, and final field sheets are included with this survey.

F. CONTROL STATIONS See section 2.a. of the Evaluation Report

All horizontal control stations were historic Third-order, Class 1 horizontal control stations or new stations established by N/MOA222. All are referred to the North American 1927 Datum and are listed in the appendix of this report.

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

The positioning control system for this survey was the Motorola Mini-Ranger Falcon 484 positioning system.

The electronic equipment used for this survey follows:

Mini-Ranger

Launch 0520 DN 111-124

Range Processing Unit	D0018
Master R/T Unit	F3404

Launch 0520 DN 125-DN 145

Range Processing Unit	E0159
Master R/T Unit	F3404

Shore Stations

Remote Unit Code 2		G3471
Remote Unit Code 4	(not used)	E2911
Remote Unit Code 7	(used once)	F3244

Other electronic Equipment

HP-3810B	1929A00411
Nikon NT-20 Theodolite	031005

All Mini-Ranger Falcon units were baselined once each month. Critical system checks were performed every day by means of fixed point calibrations. Baseline calibration log sheets can be found in the back section of the fan folder. Filed with original field records

Remote code 2 was used as the principal positioning device for the control in Range-Azmith. Code 7 was used on April 28, 1988 (DN 119) for Range-Range. The data collected in Range-Range mode was rejected due to the critical system check observed on code 2 which exceeded the delta amount of five meters. The light where the critical system check was conducted (Station number 128; Wetappo Light #~~42~~ 36), was observed to be at a new location and a third-order position was not obtained due to the time restraints of the survey. See NOAA Form 76-40 included in this report.

On June 3, 1987 (DN 154) the HP-3810B and Topcon ET-1 were baselined at Milville Airport.

H. SHORELINE See section 2.b. of the Evaluation Report.

Shoreline for this survey was transferred to the final field sheet from registered shoreline maps and revision prints, enlarged to 1:10,000 scale. The following shoreline map revision prints were used:

Shoreline Map	Scale
TP-00348	1:20,000
TP-00350	1:20,000 - Enlarged to 1:10,000 scale.

Job CM-7701

All shoreline features were verified within the project limits of this survey and no gross discrepancies were observed.

TP-00348 was not available during final field sheet plotting. However, the boat sheets were drawn from this revision print and the final field sheet was copied from the latter. Variations in shoreline may be due to individual interpretation.

All hydrography conducted was to the limits of safe navigation from a small vessel. Sections 1.8. and 4.1.2. of the project instructions were fulfilled.

I. CROSSLINES *See section 3.a. of the Evaluation Report.*

Crosslines comprise 16.5 miles or 12.5% of the mainscheme hydrography. All crosslines agree within one foot or less of the mainscheme except at the area of lat. 30°01'47"N, long. 085°27'03"W, where the crossline shows a two foot discrepancy in mainscheme. It is believed that this is due to tides. Another crossline in this same area was achieved with better results. *Application of SMOOTH tide correctors alleviated discrepancies at crossings.*

J. JUNCTIONS *See section 5 of the Evaluation Report.*

There are no junction surveys within the survey limits.

K. COMPARISON WITH PRIOR SURVEYS *See section 6 of the Evaluation Report.*

This survey was compared to prior survey H-5780, 1:10,000 scale, 1935. This prior makes up 100% of the charted soundings of chart 11393. It was observed that considerable change has occurred since the last survey in 1935. Specifically this area was observe to have filled-in with sediment making most soundings of this present survey two to three feet shoaler. There is very little similarities to note.

L. COMPARISON WITH THE CHART *See section 7. of the Evaluation Report.*

Comparison was made with Chart 11393, 1:40,000 scale, 14th Edition, dated July 14, 1984, enlarged to 1:10,000 scale, as per project instructions.

All Presurvey Review Items were investigated. A copy of the item investigation forms are appended.

As stated in Section K, all charted soundings within the survey limits were derived by prior survey H-5780, 1:10,000 scale, 1935. Ninety percent of the charted soundings are six feet or less so there is a partial agreement with these charted soundings. However, there is a general trend of "filling-in" which is observed throughout the entire area. With the exception of the one and two foot charted soundings, all other charted soundings, when compared to this survey,

are one to three feet deeper then what is actually there. The six foot contour has migrated towards the channel up to statute mile 310, where it is observed to join the three foot contour bordering the channel. The following is a list of the soundings disagreeing two or more feet:

Charted Sounding	Present sounding	lat. 30°N.	long. 086°W.
9	7	01′ 17"	28′ 01"
11	9	01′ 27"	28′ 03"
10	~~8~~ 9	01′ 20"	27′ 27"
19	15	01′ 27"	27′ 15"
9	~~6~~ 7	01′ 21"	27′ 01"
9	~~6~~ 7	01′ 26"	27′ 01"
5	7	01′ 38"	27′ 08"
8	6	01′ 19"	26′ 54"
9	7	01′ 53"	26′ 51"
8	6	01′ 59"	26′ 56"
6	4	01′ 16"	26′ 26"
8	5	02′ 09"	27′ 00"
7	5	02′ 02"	26′ 36"
7	~~4~~ 5	02′ 13"	26′ 21"
7	5	02′ 18"	26′ 45"
8	5	02′ 22"	26′ 35"
7	5 to 6	02′ 27"	26′ 37"
6	~~4~~ 5	02′ 35"	26′ 36"
6	~~4~~ 5	02′ 40"	26′ 31"
7	5	02′ 47"	26′ 21"
5	3	02′ 56"	26′ 27"
7	~~4~~ 5	02′ 42"	26′ 03"
6	4	02′ 48"	26′ 07"
5	~~3~~ 4	02′ 53"	26′ 06"
5	~~3~~ 4	02′ 58"	26′ 03"
5	~~3~~ 4	02′ 42"	26′ 52"
7	5	03′ 02"	26′ 10"
5	~~3~~ 4	03′ 21"	26′ 07"
5	~~3~~ 4	03′ 15"	26′ 02"
5	~~2~~ 3	03′ 03"	25′ 53"
6	4	03′ 10"	25′ 50"
7	3	03′ 05"	25′ 38"
5	~~3~~ 4	03′ 09"	25′ 33"
7	~~3~~ 4	03′ 02"	25′ 30"
6	~~4~~ 5	02′ 56"	25′ 26"
5	3	02′ 42"	25′ 23"
6	4	02′ 58"	25′ 18"
4	~~2~~ 3	02′ 59"	25′ 11"
4	~~2~~ 3	02′ 41"	25′ 13"
4	~~2~~ 3	02′ 24"	25′ 18"
4	~~2~~ 3	02′ 30"	25′ 10"
5	~~3~~ 4	02′ 45"	25′ 09"
4	~~1~~ 3	02′ 28"	24′ 57"
4	~~2~~ 3	02′ 18"	24′ 50"
4	~~2~~ 3	02′ 17"	24′ 39"
4	2	02′ 30"	24′ 16"
4	~~1~~ 2	02′ 35"	24′ 13"
2	0 - No hydrography in area.	02′ 17"	23′ 39"

AWOIS item # 4445 is an obstruction described as a oval steel pipe measuring 36 in. X 18 in. at lat. 30°02'36.0" N, long. 085°24'15.0" W. On May 24, 1988 (DN 145), chain drag operations was conducted at the charted position of this item. No hangs were observed. Twenty meter spaced chain drag lines were used with 15 foot tow lines and 60 feet of chain between otter boards. Time restraints precluded further reduction in line spacing and direction of tow so 100% bottom coverage could not be achieved. Recommend retain as charted. Concur. Presently charted as a submerged pipe, PA

Awois item # 4446 is an obstruction located at lat. 30°02'40.0" N, long. 085°24'51.0" W. On May 24, 1988 (DN 145), a hang was accomplished at the charted vicinity of the AWOIS item. At the time of 18:02:00 UTC, a pole sounding of ~~4.7~~ 3.0 feet (Fix # 1488) was taken on an obstruction at the location of lat. 30°02'41.1⅓ N, long. 085°24'50.4⅙ W. Recommend retaining as charted. Do not Concur. See section 7.a.2) of the Evaluation Report.

AWOIS item # 4447 is an obstruction located at 30°02'27.0" N, long. 085°23'~~49~~51.0" W. On May 24, 1988 (DN 145), chain drag operations was conducted at the charted location of this AWOIS item. At time 19:25:00 UTC, a hang was obtained on an obstruction at lat. 30°02'27.4⅛ N, long. 085°23'48.1⅙ W, with a pole sounding of 1.9 feet (Fix # 1533). Recommend retain as charted. Do not concur. See section 7.a.3) of the Evaluation Report.

AWOIS item # 4448 are three pilings ~~located~~ charted ~~at~~ in the vicinity of lat. 30°02'34.0" N, long. 085°24'44.0" W. On May 24, 1988 (DN 145), a detached position (Fix # 1476), was obtained for a bottom sample at the charted position of this AWOIS item. Water depths were observed to be extremely shallow, and a baring isle is just east of the position. ~~lies on the charted position of the pilings~~. An extensive visual search was conducted which was the only alternative operation that could be performed on the island and its perimeters. Results of the search was negative. Recommend deleting piles and chart area as found ~~in this~~ by the present survey. Concur.

All charted piers, pier ruins, and groins were searched for and detached positions obtained at the location of each charted feature. All shoreline features were derived by the 1935 prior survey H-5780, and were observed to not exist except for remnant piles on shore at lat. 30°02'33.0" N, long. 085°25'42.4" W (Fix 1580). Recommend deleting from chart. See section 6. of the EVALUATION Report

A ~~one~~ TWO foot shoal at MLLW exists ~~at~~ in the vicinity of lat. 30°02'58.0" N, long. 085°25'54.0" W. Charted depths show five feet in this area and its believed that the shoal was produced by the churning up of mud by westbound commercial traffic. The shoal was developed at 25 meter spaced lines on May 11, 1988 (DN 132), to the full extent of the shoal. An Local Notice to Mariners was transmitted to the Eighth Coast Guard District, Hale Boggs Federal Building, 500 Camp Street, New Orleans, LA 70130-3396, on this matter. Concur.

A small island was found to exist at Lat. 30 02' 3~~4~~2.0" N, Long 085 24' ~~44~~39.0" W. The island is ~~1~~2 150 meters long and is ~~100~~75 meters wide with ~~one~~ ZERO to ~~two~~ ONE feet of water at MLLW around it. The island is just off the edge of the ICW ~~at the mouth of Horseshoe Bayou~~ South of buoy C "17". Concur: Chart As shown on the present survey.

M. ADEQUACY OF SURVEY See sections 6 & 7 of the Evaluation Report.

This survey is complete and adequate to supersede the presently charted soundings and prior surveys.

N. AIDS TO NAVIGATION

The following landmarks and fixed aid positions, have been checked by theodolite cuts:

NAME	POSITION	
	lattitude	longitude
East Bay Light 1	30°01'22.165" N.	085°27'12.604" W.
East Bay Light 2	30°01'25.705" N.	085°27'29.073" W.
Wetappo Creek Light 19	30°02'41.396" N.	085°24'49.931" W.
Wetappo Creek Light 28	30°03'01.477" N.	085°25'47.592" W.
Wetappo Creek Light 36	30°02'15.519" N.	085°26'37.243" W.
Wetappo Creek Light 42	30°01'47.445" N.	085°26'53.114" W.

Wetappo Creek Light 36, was observed to have an incorrect Third order position. A single Plate setting was conducted on this light and a field position of lat. 30°02'15.519" N., long. 085°26'37.243" W., was achieved. Full Third-order Class I procedures was not conducted due to time restraints of the survey. See NOAA Form 76-40 appended to this report.

All fixed aids to navigation in this survey area were compared between their charted, Light List (Vol IV, 1988). All aids were found to be adequately described and charted for the purpose of which they were intended.

All floating aids within the survey limits were located and their characteristics compared to the Light List (Vol. IV, 1988). All aids were found to be adequately described and charted for the purpose of which they were intended.

O. STATISTICS

Days of Production (Days at Sea)	14
VESNO 0520	TOTAL
Total Number of Positions	1582
Nautical Miles of Sounding Lines	156.4
Square Miles of Hydrography	7.0
Bottom Samples	31
Detached Positions	43
Tide Gage Stations	1

P. MISCELLANEOUS

Thirty-one bottom samples were taken for this survey, copies of the Oceanographic Log Sheet-M are included in Appendix "H" of this report. No strong currents were observed in the survey area. There were no anomalous magnetic differences observed during operations.

Q. RECOMMENDATIONS

Specific recommendations can be found in sections K and L of this report.

R. AUTOMATED DATA PROCESSING

Programs used for the field processing of this survey are as follows:

PROGRAMS	DESCRIPTIONS	VERSION
RK116	Range-Az. Real Time Plot	10/1/84
RK201	Grid, Signal, Lattice Plot	4/18/75
RK211	Range-Range, Non-Real Time Plot	2/13/84
RK212	Visual Station Load and Plot	4/01/74
RK216	Range-Az, Non-Real Time Plot	2/09/81
RK300	Utility Computations	2/05/76
RK330	Reformat and Data Check	5/04/76
RA362	RK330 & AM602 Combined	8/20/84
RK407	Geodetic Inverse/Direct Comp.	9/25/81
AM500	Predicted Tide Generator	11/10/72
RK530	Velocity Correction Comp.	5/10/76
AM602	ELINORE	12/08/82

S. REFERRAL TO REPORTS

The following reports for project OPR-J264-HFP have been submitted:

REPORTS	SUBMITTED TO
Horizontal control	N/MOA222
Coast Pilot Report	Coast Pilot Section-N/CG223
Current Report	Data Control-N/CG243
Magnetics Report	Data Control-N/CG243
Chart Inspection Report	Chart Information - N/CG222

Respectfully Submitted,

Jason H. Maddox, LTJG, NOAA
OIC, HFP-4

SIGNAL LISTING

EAST BAY, FL

OPR J264

HFP 10-2-88

H-10267

124	7	30	01	22614	085	28	32796	250	0000	000000	LAZY. 1986
125	1	30	01	33024	085	28	08793	139	0000	000000	EAST BAY LIGHT 8. 1986
126	1	30	01	44174	085	27	24185	139	0000	000000	ALLANTOIS. 1986
127	7	30	01	22166	085	27	12605	139	0000	000000	EAST BAY LIGHT 1. 1986
128	3	30	01	47445	085	26	53115	139	0000	000000	WETAPPO CREEK LIGHT 42. 1986
129	3	30	02	15519	085	26	37243	243	0000	000000	WETAPPO CREEK LIGHT 36, 1988
130	0	30	02	51752	085	26	32102	250	0000	000000	SANDY USE. 1983-86
131	4	30	02	25200	085	26	09479	250	0000	000000	PILSEY USE. 1983-86
132	3	30	03	01478	085	25	47593	139	0000	000000	WETAPPO CREEK LIGHT 28. 1986
133	6	30	02	42565	085	25	33885	250	0000	000000	BULLY USE. 1983-86
134	6	30	02	41396	085	24	49932	139	0000	000000	WETAPPO CREEK LIGHT 19. 1986
135	7	30	02	31496	085	24	01758	250	0000	000000	HORSESHOE USE. 1983-86
136	1	30	02	25101	085	23	45416	139	0000	000000	WETAPPO CREEK LIGHT 10, 1986
140	1	30	01	25706	085	27	29074	139	0000	000000	EAST BAY LIGHT 2. 1986

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- [X] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [ ] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [ ] TO BE CHARTED
- [X] TO BE REVISED
- [ ] TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
	Florida	East Bay	6/20/88

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
OPR 264	HFP 10-2-88	H-10267	NAD 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	Wetappo Creek Light 36	30 02	15.519	85 26	37.243	- Less than 3rd order Class I	F-3-6-L 5-2-88	11393
	L-526 (89)							

32

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	**NAME**	**ORIGINATOR**
OBJECTS INSPECTED FROM SEAWARD	Edwin L. Martin HFP-4	☐ PHOTO FIELD PARTY ☒ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED	Edwin L. Martin	FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		☐ REVIEWER ☐ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS

Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.

EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.

EXAMPLE: P-8-V
8-12-75
74L(C)2982

II. TRIANGULATION STATION RECOVERED

When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery.

EXAMPLE: Triang. Rec.
8-12-75

III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH

Enter 'V-Vis.' and date.

EXAMPLE: V-Vis.
8-12-75

**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

☆ U.S.GPO:1975-0-665-080/1155

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Atlantic Marine Center
Hydrographic Field Party Section
439 W. York Street
Norfolk, VA 23510-1114

June 20, 1988

TO: Chief, Data Control Section
N/CG243

FROM: LT (jg) Jason H. Maddox
OIC, HFP-4

SUBJECT: Coast Pilot Report

The U.S. Coast Pilot for the Atlantic Coast: Gulf of Mexico, Puerto Rico, and Virgin Islands, Vol. 5, Twentieth Edition, August 1987, was reviewed by this field unit during the project OPR-J264-HFP for St. Andrew Bay, East Bay, pages 137, and 262. The August 1988 edition was not available before this project was completed. All Pilot information in this area was found to be adequate and no revisions are recommended.

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Atlantic Marine Center
Hydrographic Field Party Section
439 W. York Street
Norfolk, VA 23510-1114

June 16, 1988

TO: Commander, Eighth Coast Guard District
Aids to Navigation Branch
Hale Boggs Federal Building
500 Camp Street
New Orleans, LA 70130-3396

FROM: LT (jg) Jason H. Maddox
OIC, HFP-4

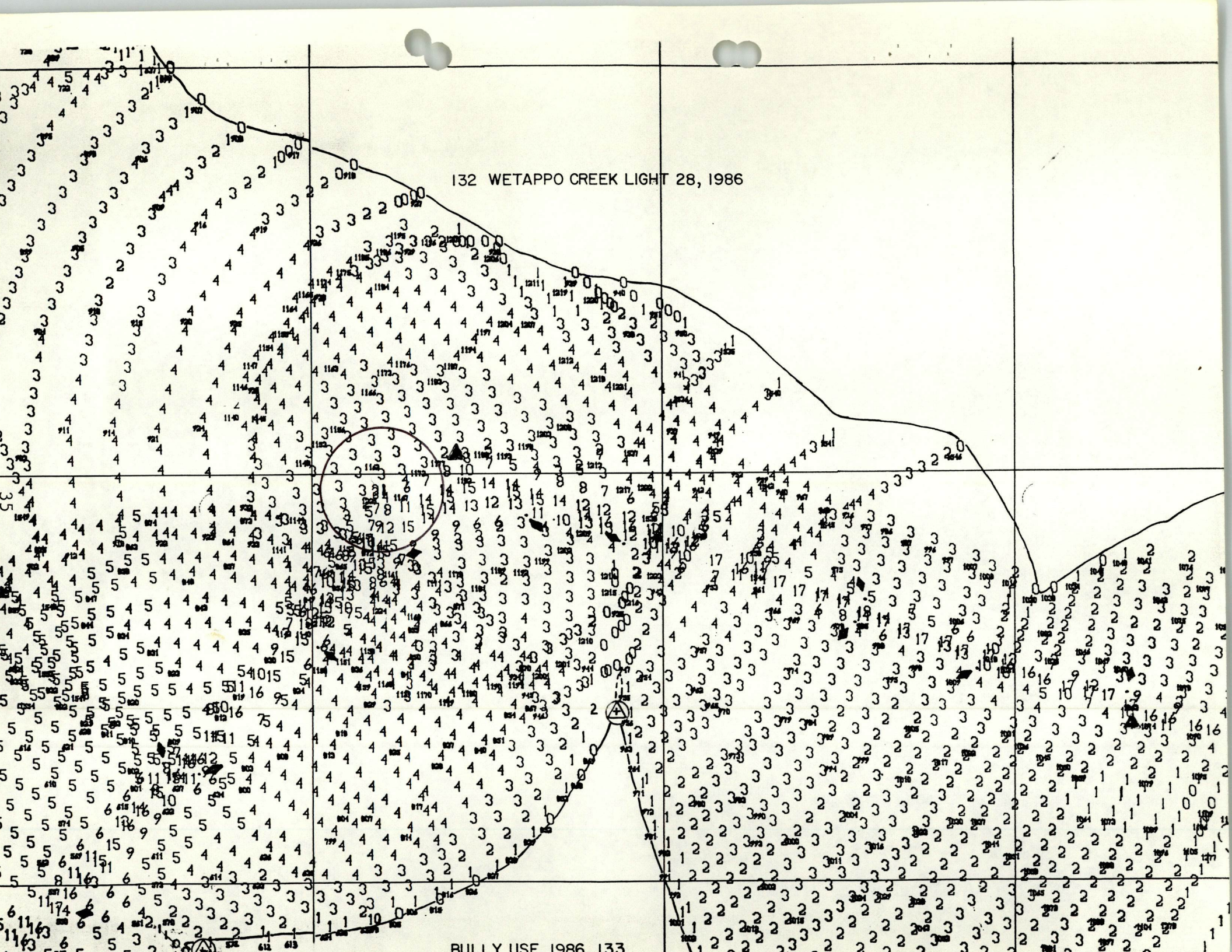
SUBJECT: Danger to Navigation.

The following danger to navigation was identified as a result of a recent NOS/NOAA hydrographic survey of the St. Andrew Bay, East Bay, Florida:

A ~~one~~ Two foot shoal (corrected) exists ~~at~~ in the vicinity of lat. 30°02'58.0"W, long. 085°25'54.0" W. Charted depths in this area show an average of five to six feet. The shoal lies on the boarder of the Weppato Creek Channel and is believed to be a potential danger to all traffic transiting these waters.

The enclosed copy of the survey field sheet is advanced information and is subject to office verification.

cc: N/MOA233
N/CG222


132 WETAPPO CREEK LIGHT 28, 1986
BULLY USE 1986 133

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Atlantic Marine Center
Hydrographic Field Party Section
439 W. York Street
Norfolk, VA 23510-1114

June 16, 1988

TO: Chart Information
N/CG222

FROM: LT (jg) Jason H. Maddox
OIC, HFP-4

SUBJECT: Notice to Mariners, Chart 11393

The following is additional information on the included Notice to Mariners transmitted through HFPS office.

The shoal was located on May 11, 1988 (DN 132) running mainscheme hydrography with reduced line spacings of 50 meters. Positioning was achieved in Range-Azmith utilizing Mini-Ranger Falcon and a Nikon NT-2D Theodolite. The shoal was then split to 25 meter line spacings for full development. It was observed to be a small isolated shoal bordering the Weppato Creek Channel. The average depths outside the channel is four feet. The positions pertaining to the development are 1155-1169 and 1224-1229, HFP-10-2-88, H-10267, OPR-J264-HFP.

cc: N/MOA233

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Atlantic Marine Center
439 West York Street, N/MOA233
Norfolk, VA 23510-1114

July 6, 1988

TO: Commander, Eighth Coast Guard District
New Orleans, LA

FROM: LTJG Jason H. Maddox, NOAA Corps
Officer in Charge, Hydrographic Field Party 4
Robert Snow for

SUBJECT: Danger to Navigation Notice for inclusion in the Local Notice to Mariners, Chart 11393, 14th Edition, Lake Wimico to East Bay

The following danger to navigation was found while conducting a basic Hydrographic Survey of East Bay (Registry # H-10267) between Farmdale Bayou and Horseshoe Bayou.

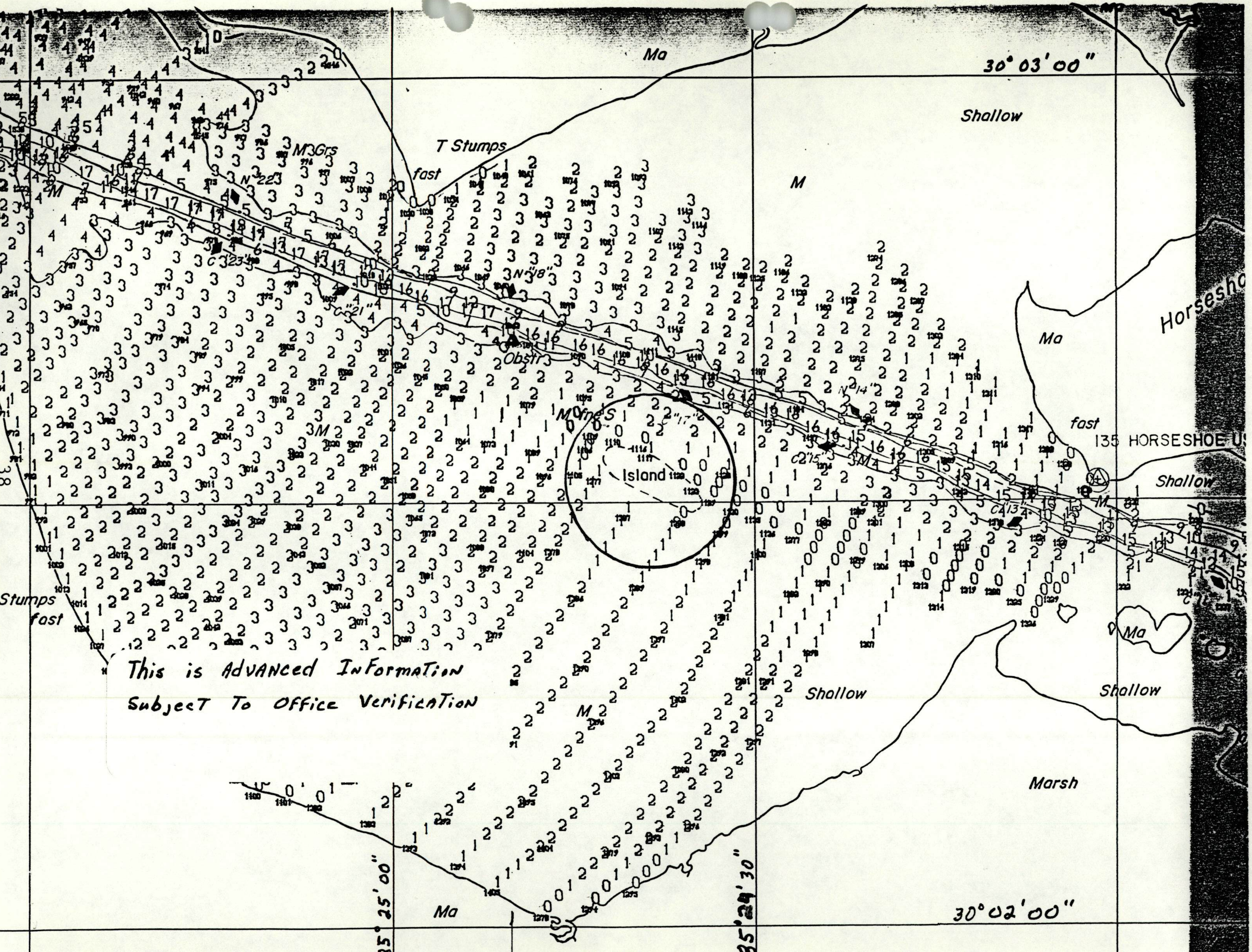
A small island was found to exist at Lat. 30 02′ 34.0" N, Long 085 24′ 44.0" W. The island is 150 meters long and is 100 meters wide with one to two feet of water around it. The island is just off the edge of the ICW at the mouth of Horseshoe Bayou.

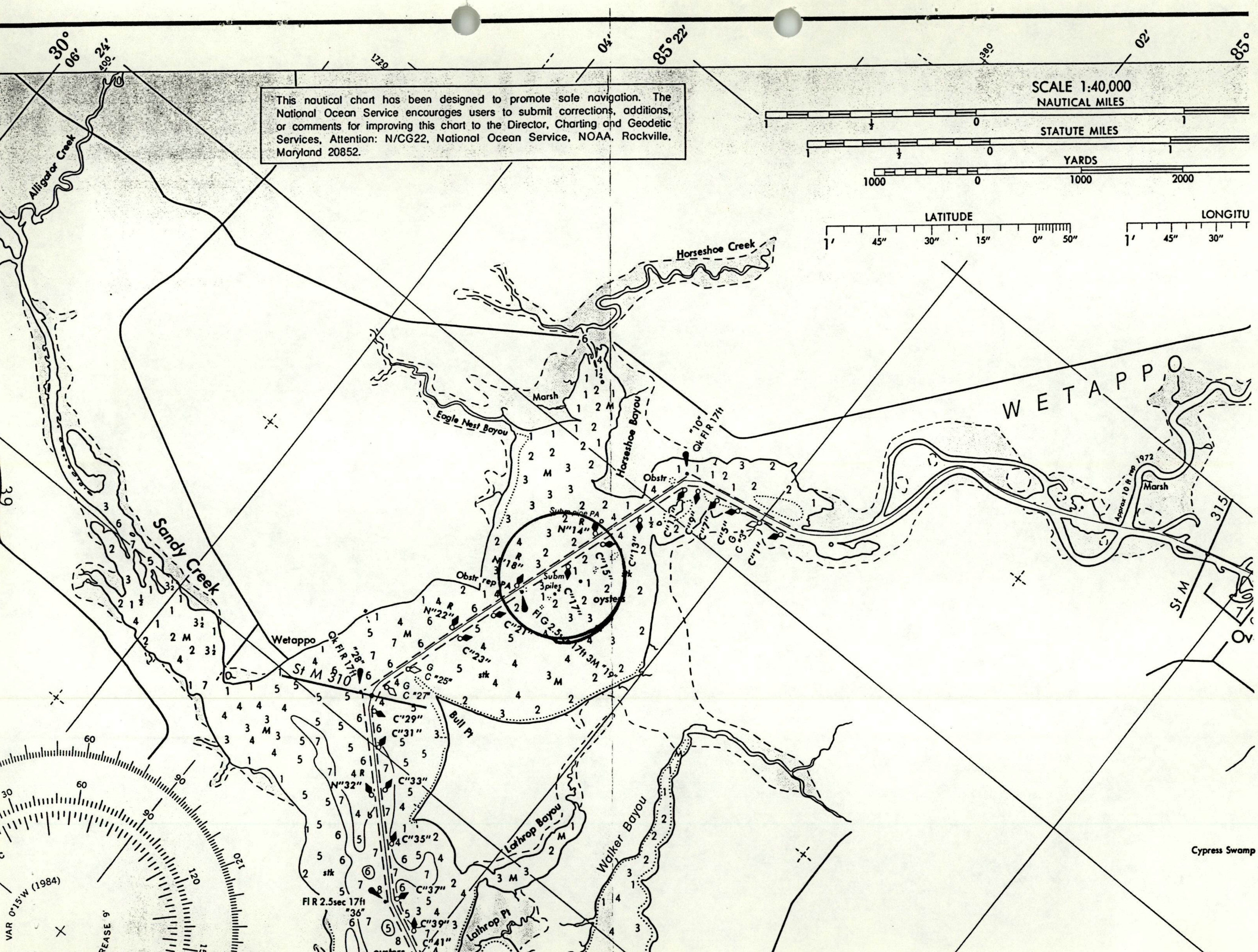
2 39 75 ZERO ONE FOOT AT MLLW south of buoy C"17".

A chart section from 11393, 14th ed. and a section from the survey field sheet, showing the location of this danger is attached.

****
* THIS IS ADVANCED INFORMATION *
* SUBJECT TO OFFICE VERIFICATION *
****

cc: N/MOA233
N/CG222


30° 03' 00"
30° 02' 00"
25' 00"
24' 30"
Shallow
Ma
M
T Stumps
fast
M3Grs
Obstr
Island
135 HORSESHOE US
Horseshoe
Marsh
Stumps
This is Advanced Information
Subject To Office Verification



This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services, Attention: N/CG22, National Ocean Service, NOAA, Rockville, Maryland 20852.
SCALE 1:40,000
NAUTICAL MILES
STATUTE MILES
YARDS
LATITUDE
LONGITU
30° 06′
24′
04′
85°22′
02′
85°
WETAPPO
Alligator Creek
Sandy Creek
Horseshoe Creek
Horseshoe Bayou
Eagle Nest Bayou
Marsh
Wetappo
St M 310
St M 315
Bull Pt
Lathrop Bayou
Lathrop Pt
Walker Bayou
Cypress Swamp
oysters
Approx 10 ft rep 1972
Obstr
VAR 0°15′W (1984)

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Atlantic Marine Center
Hydrographic Field Party Section
439 W. York Street
Norfolk, VA 23510-1114

June 20, 1988

TO: Chief, Chart Information
N/CG222

FROM: LT (jg) Jason H. Maddox
OIC, HFP-4

SUBJECT: Chart inspection Report, Chart 11393

Chart 11393 was inspected during OPR-J264-HFP. It was observed to be an excellent representation of the area, and no discrepancies were noted.

CHART # 11393

ITEM # 4445

ITEM DESCRIPTION: OBSTRUCTION - OVAL STEEL PIPE X-SECTION MEASURES (36 in. x 18 in.)

SOURCE: CL1924/76--USPS

INVESTIGATION DATE: 24 May 1988 TIME: 181200-VESSEL: 0520
185230

OIC: J. H. Maddox

REFERENCE:

Position No: 1490-1522 Volume: 6,7 Page: 72,3-10

CORRECTORS APPLIED:

[X] Velocity

[X] Predicted or

[X] TRA Correctors

[ ] Actual Tide Correctors

GEODETIC POSITION:

	Latitude	Longitude
Charted:		
Observed:	30° 02' 36.0"	085° 24' 15.0"

POSITION DETERMINED BY: R/Az Mini Ranger Falcon

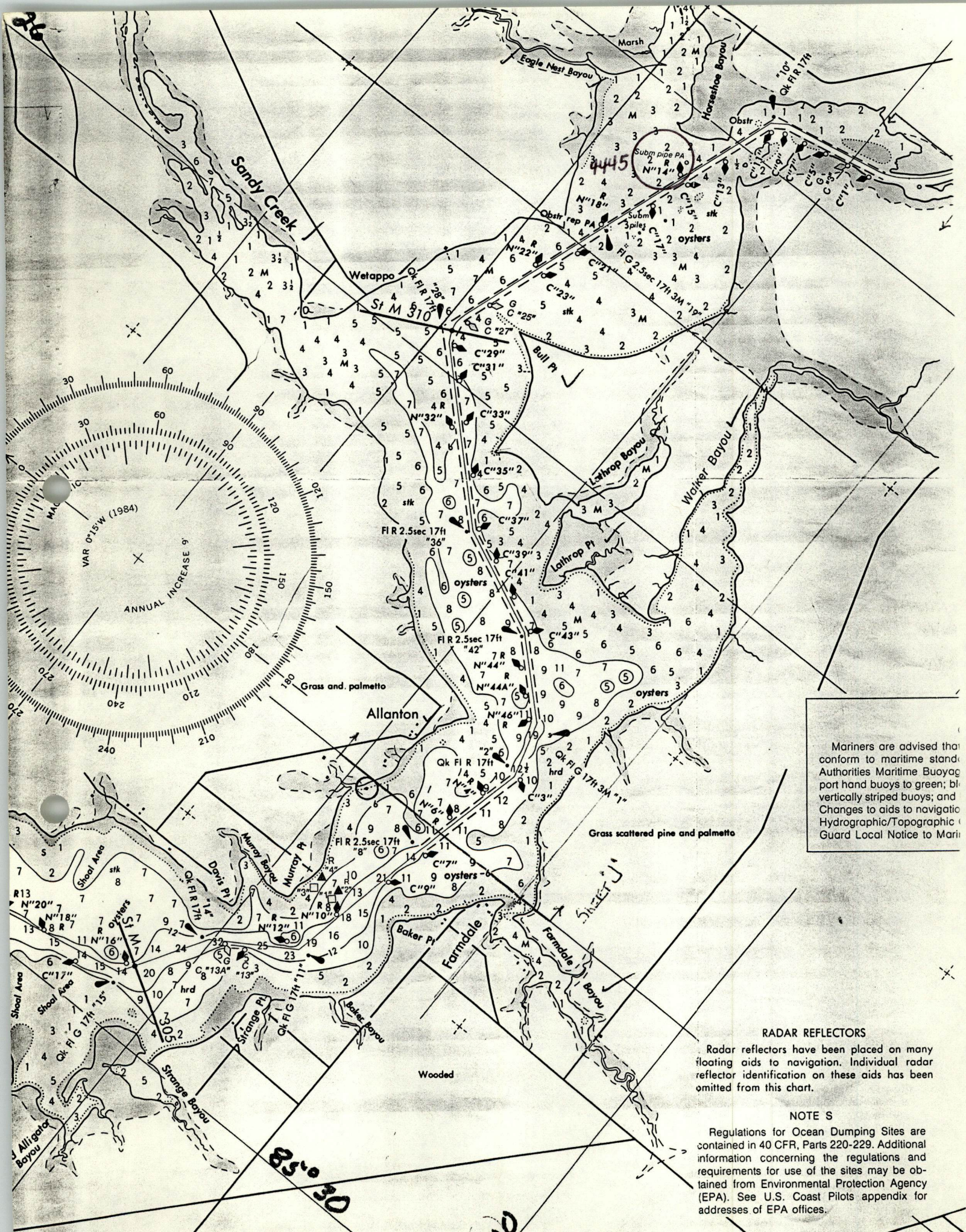
METHOD OF ITEM INVESTIGATION: On May 24, 1988 (DN 145), chain drag operations were conducted at the charted location of this AWOIS item. With depths averaging from three to one foot, no hangs were observed. Twenty meter spaced chain drag lines were used with 15 foot tow lines and 60 feet of chain between otter boards. Time restraints precluded further reduction in line spacing and direction of tow, so 100% bottom coverage could not be achieved. Recommend retain as charted. Concur.

CHARTING RECOMMENDATIONS:

Retain as submerged Pipe, PA

Compilation Use Only

CHART APPLIED AS



Mariners are advised that
conform to maritime stand
Authorities Maritime Buoyag
port hand buoys to green; bl
vertically striped buoys; and
Changes to aids to navigatio
Hydrographic/Topographic
Guard Local Notice to Mari

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE S

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

CHART # 11393 ITEM # 4446

ITEM DESCRIPTION: OBSRTUCTION

SOURCE: NM48/64

INVESTIGATION DATE: 24 May 1988 TIME: 180200 VESNO: 0520

OIC: J.H.Maddox

REFERENCES:

Position No. 1488 Volume 6 pg. 72

CORRECTIONS APPLIED:

Velocity X TRA Corrections X

Predicted ~~or Actual~~ Tide Correctors

GEODETIC POSITION:

	Latitude	Longitude
Charted:	30°02'40.0"	085°24'51.0"
Observed:	30°02'41.1[13]"	085°24'50.4[46]"

Position Determined By: R/AZ Mini Ranger Falcon

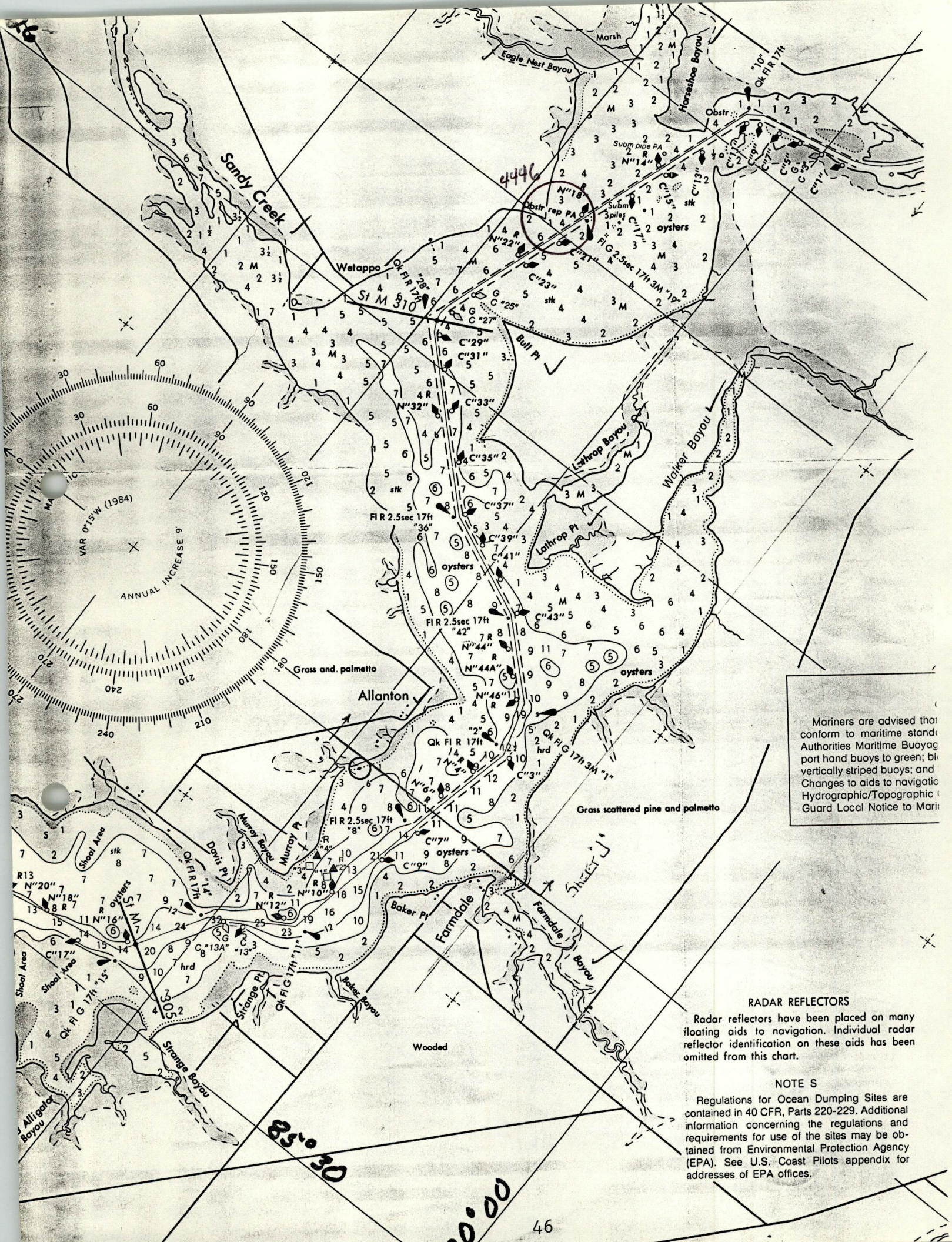
METHOD OF ITEM INVESTIGATION: On May 24, 1988 (DN 145) chain drag operations were conducted at the charted location of this AWOIS item. The chain hung at the observed position listed above and a least depth made with a sounding pole. (4.7 ft pole) at above Time

CHARTING RECOMMENDATIONS: Recommend retaining at its presently charted location.

Do not Concur. See section 7.a.2) of the Evaluation Report.

Compilation Use Only

CHART APPLIED AS



Mariners are advised that
conform to maritime stand
Authorities Maritime Buoyag
port hand buoys to green; bl
vertically striped buoys; and
Changes to aids to navigatio
Hydrographic/Topographic
Guard Local Notice to Mari

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE S

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

CHART # 11393 ITEM # 4447

ITEM DESCRIPTION: OBSTRUCTION

SOURCE: UNKNOWN

INVESTIGATION DATE: 24 May, 1988 TIME: 192500 VESNO: 0520

OIC: J.H.Maddox

REFERENCES:

Position No. 1533 Volume 7 pg. 12

CORRECTIONS APPLIED:

Velocity X TRA Corrections X

Predicted ~~XXXXXXXXX~~ Tide Correctors

GEODETIC POSITION:

	Latitude	Longitude
Charted:	30°02'27.0"	085°23'~~49~~51.0"
Observed:	30°02'27.4"	085°23'48.10"

Position Determined By: R/AZ Mini Ranger Falcon

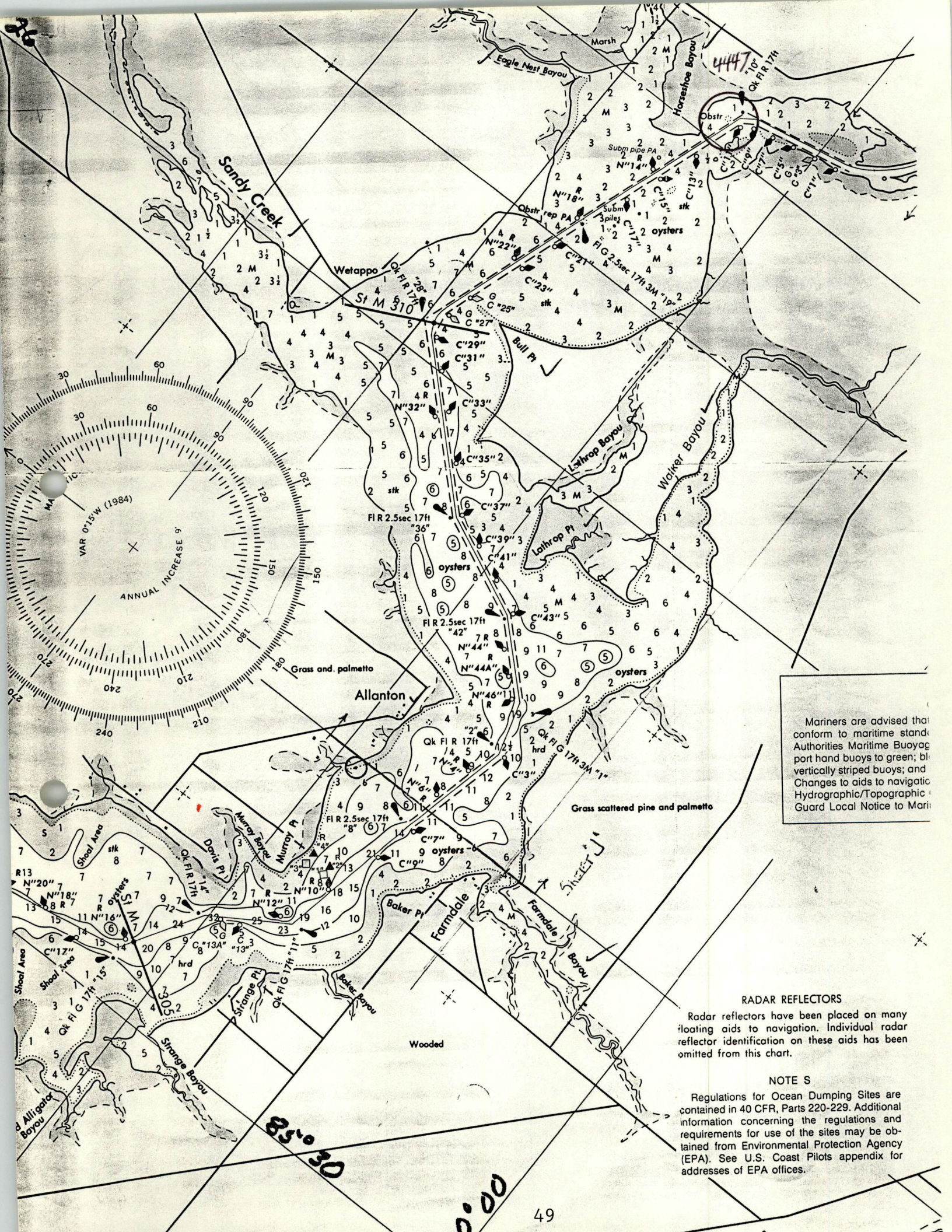
METHOD OF ITEM INVESTIGATION: On May 24, 1988 (DN 145) chain drag operations were conducted at the charted location of this AWOIS item. At the observed position above, a hang was accomplished on a wooden obstruction with a least depth of 1.9 pole sounding at the observed time

CHARTING RECOMMENDATIONS: Recommend retain as charted.

Do not concur. See section 1.a.3) of the Evaluation Report.

Compilation Use Only

CHART APPLIED AS



Mariners are advised that
conform to maritime stand
Authorities Maritime Buoyag
port hand buoys to green; bl
vertically striped buoys; and
Changes to aids to navigatic
Hydrographic/Topographic
Guard Local Notice to Mari

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE S

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

CHART # 11393 ITEM # 4448

ITEM DESCRIPTION: OBSRTUCTION
SUBMERGED PILES

SOURCE: Unknown

INVESTIGATION DATE: 24 may, 1988 TIME: 172800 VESNO: 0520

OIC: J.H.Maddox

REFERENCES:

Position No. 1476 Volume 6 pg. 69

CORRECTIONS APPLIED:

Velocity X TRA Corrections X

Predicted ~~XXXXXXXXX~~ Tide Correctors

GEODETIC POSITION:

	Latitude	Longitude
Charted:	30°02'34.0"	085°24'44.0"
Observed:		

Position Determined By: R/Az Mini Ranger Falcon

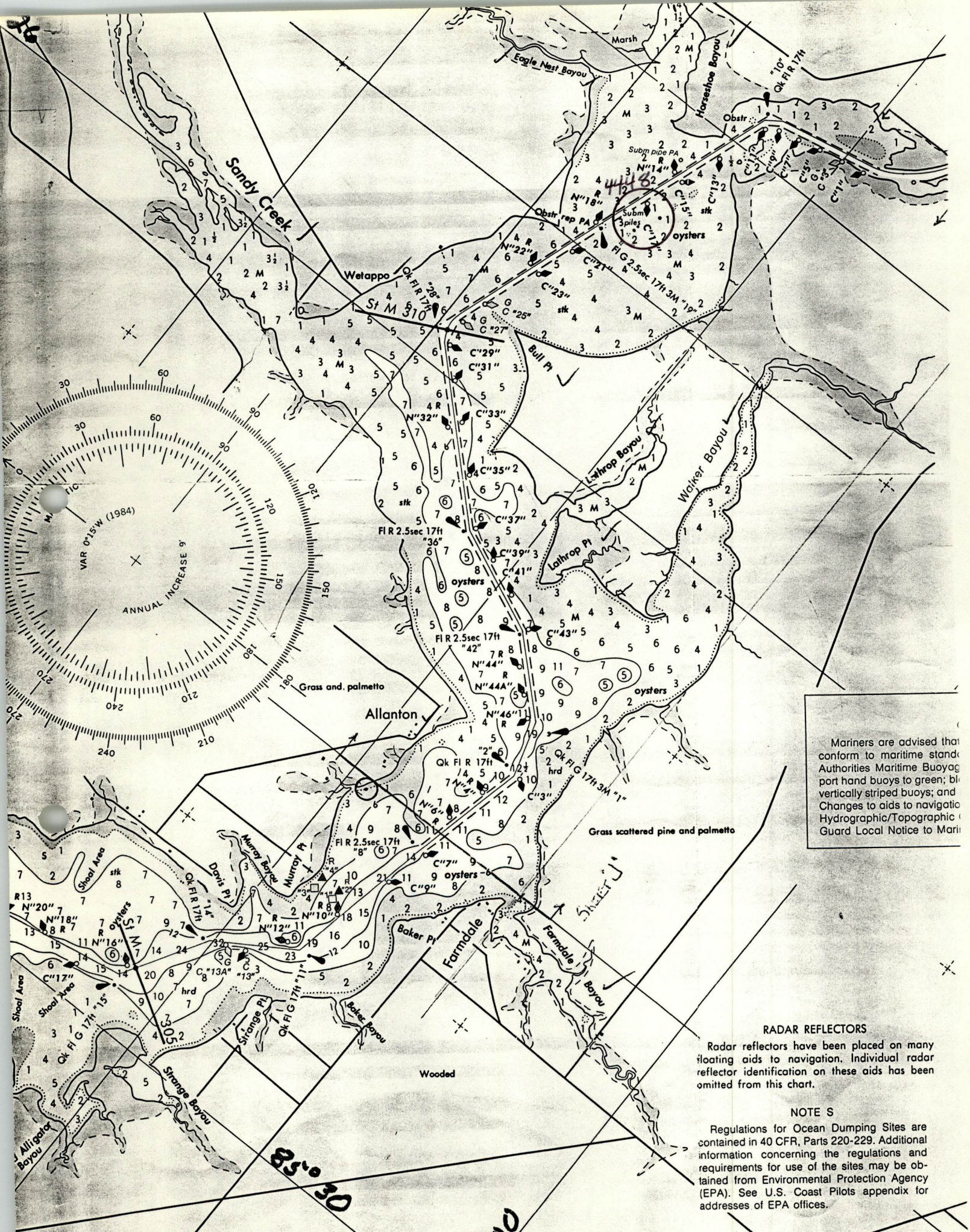
METHOD OF ITEM INVESTIGATION: On May 24, 1988 (DN 145) a position was obtained for a bottom sample at the charted location of this Awois item. With bottom depths less then one foot within a 200 meter circumferance about this position and a visible isle. a visual search was achieved with negative results.

CHARTING RECOMMENDATIONS: Recommend delete from chart.

Concur

Compilation Use Only

CHART APPLIED AS



Mariners are advised that
conform to maritime stand
Authorities Maritime Buoyag
port hand buoys to green; bl
vertically striped buoys; and
Changes to aids to navigatio
Hydrographic/Topographic
Guard Local Notice to Mari

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOTE S

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices.

APPROVAL SHEET

FOR

H-10267

The hydrographic records transmitted with this survey are complete and adequate to supersede prior surveys for charting with no additional field work recommended.

No direct supervision was given by me during the field work.

Approved and forwarded.

David A. Waltz
LCDR, NOAA
Chief, Hydrographic Field Parties Section

NOAA FORM 61-29
(12-71)

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

REFERENCE NO.
MOA23-50-89

LETTER TRANSMITTING DATA

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

☐ ORDINARY MAIL ☐ AIR MAIL

☐ REGISTERED MAIL ☐ EXPRESS

☐ GBL *(Give number)* _____

TO:

Chief, Data Control Branch, N/CG243
Room 151, WSC-1
Hydrographic Surveys Branch
Rockville, MD 20852

DATE FORWARDED
25 April 1989

NUMBER OF PACKAGES
1 tube, 1 box

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-10267
Florida, St Andrew Bay--East Bay, Farmdale Bayou to Wetappo Creek

Pkg # 1 (Tube) containing:
- 1 Original Smooth Sheet of H-10267
- 1 Original smooth position overlay
- 2 Original excess sounding overlays
- 3 Smooth field sheets
- 1 Original Descriptive Report for H-10267

Pkg #2 (Box) containing:
- 7 Sounding Volumes
- 1 Cahier with final sounding printout, final position printout and control file listing
- 1 Envelope containing supplemental data removed from printouts
- 1 Envelope with miscellaneous data removed from the original Descriptive Report
- 1 Accordian file with fathograms, master and corrector tape printouts, baseline calibrations and sounding corrector abstracts

VESNO 0520 for JDs: 111, 112, 117, 118, 119, 124, 125, 126, 130, 132, 133, 141 (B.S.), and 145

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

RECEIVED THE ABOVE
(Name, Division, Date)

D. S. Clark
5/10/89

Return receipted copy to:

Chief, Hydrographic Surveys Branch,
N/MOA23
Atlantic Marine Center
439 W. York Street
Norfolk, VA 23510-1114

03/17/89

HYDROGRAPHIC SURVEY STATISTICS
REGISTRY NUMBER: H-10267

NUMBER OF CONTROL STATIONS		5
NUMBER OF POSITIONS		1582
NUMBER OF SOUNDINGS		7867

	TIME-HOURS	DATE COMPLETED
* PREPROCESSING EXAMINATION	42	07/27/88
VERIFICATION OF FIELD DATA	182	12/15/88
QUALITY CONTROL CHECKS	56	
EVALUATION AND ANALYSIS	109	03/17/89
FINAL INSPECTION	15	03/15/89
TOTAL TIME	362	

MARINE CENTER APPROVAL 03/20/89

* Preverification time is not considered as part of total verification time.

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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: July 15, 1988

MARINE CENTER: Atlantic

OPR: J264

HYDROGRAPHIC SHEET: H-10267

LOCALITY: East Bay, Florida

TIME PERIOD: April 20 - May 24, 1988

TIDE STATION(S) USED: 872-9015 Allanton, East Bay, FL

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 3.19 ft.

HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 1.4 ft.

REMARKS: RECOMMENDED ZONING

1. Zone Direct

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-10267

Name on Survey	A ON CHART NO. 1393	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	
ALLANTON										1
ALLIGATOR CREEK										2
BULL POINT										3
EAGLE NEST BAYOU										4
EAST BAY (title)										5
FARMDALE BAYOU										6
FLORIDA (title)										7
HORSESHOE BAYOU										8
HORSESHOE CREEK										9
LATHROP BAYOU										10
LATHROP POINT										11
SANDY CREEK										12
WALKER BAYOU										13
WETAPPO										14
WETAPPO CREEK										15
										16
					Approved:					17
										18
					Charles E. Harrington					19
					Chief Geographer - N/CG2x5					20
					FEB - 9 1989					21
										22
										23
										24
										25

NOAA FORM 76-155 SUPERSEDES C&GS 197

ATLANTIC MARINE CENTER
EVALUATION REPORT

SURVEY NO.: H-10267 FIELD NO.: HFP-10-2-88

Florida, St Andrew Bay--East Bay, Farmdale Bayou to Wetappo Creek

SURVEYED: 20 April through 24 May 1988

SCALE: 1:10,000 PROJECT NO.: OPR-J264-HFP-86

SOUNDINGS: RAYTHEON 719B Fathometer and Pole Soundings

CONTROL: MOTOROLA FALCON 484 Mini-Ranger (Range/Range), NIKON NT-20 Theodolite/MOTOROLA FALCON 484 Mini-Ranger (Range/Azimuth), and See Field Sheet

Chief of party.....D. A. Waltz

Surveyed by.....J. H. Maddox
.....E. L. Martin
.....M. J. Briscoe
.....R. W. Ramsey

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

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. The control is adequately discussed in sections F., G., and S. of the Descriptive Report.

b. Shoreline east of longitude 85°26'00"W originates with a 1:10,000 scale enlargement of 1:20,000 scale registered Coastal Zone Map TP-00350 of 1977-78. Shoreline west of longitude 85°26'00"W originates with 1:20,000 scale registered Coastal Zone Map TP-00348 of 1977-78, and was enlarged using a KARGL reflecting projector and applied to the smooth sheet. Estimated shoreline changes originating with the hydrographer are shown in red on the present survey.

It should be noted that the geographic name, Bull Bayou, shown on both shoreline manuscripts has been changed. Bull Bayou is now known as Walker Bayou, and is correctly shown on the latest edition of National Ocean Service (NOS) chart 11393.

c. Horizontal control used for this survey during data acquisition is based upon the North American Datum of 1927 (NAD27). 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 1983 (NAD83). To place this survey on the NAD83, move the projection lines 0.729 seconds (22.4 meters or 2.24 mm at survey scale) south in latitude and 0.280 seconds (7.5 meters or 0.75 mm at survey scale) west in longitude.

3. HYDROGRAPHY

a. Soundings at crossings agree within the criteria stated in sections 4.6.1. and 6.3.4.3. of the HYDROGRAPHIC MANUAL and section 6.6. of the Project Instructions.

b. The standard six (6), twelve (12), and supplemental three (3) foot curves are adequately defined. Because of its proximity to shore the zero (0) curve could not be completely defined. Dashed and brown curves were added to better show bottom topography.

c. Development of bottom configuration and determination of least depths is considered adequate.

4. CONDITION OF SURVEY

The smooth sheet and accompanying overlays, hydrographic records and reports are adequate and conform to the requirements of the HYDROGRAPHIC MANUAL with the following exceptions:

a. During See Field Sheet hydrography the hydrographer visually verified but did not locate an uncharted pier. The pier, shown on the smooth field sheet in red, was mentioned as being passed to starboard with no distance given in the field records. Using the hydrographer's notes, a position, Latitude 30°04'41.0"N, Longitude 85°25'56.8"W was determined for the pier during office processing. It is recommended that the pier be charted in the position shown on the present survey smooth sheet.

b. During See Field Sheet hydrography the field unit visually verified but did not locate three (3) uncharted piles originating with TP-00350 in the vicinity of Latitude 30°05'49.0"N, Longitude 85°25'02.6"W. A note on the smooth field sheet states there are four (4) piles in the area, but only the three (3) piles originating with the manuscript are shown on the hydrographer's smooth field sheet. It is recommended that three (3) piles baring two (2) feet at MLLW be charted as shown on the present survey.

c. During office processing it was noted that the scaled geographic position for AWOIS item #4447, Latitude 30°02'27.0"N, Longitude 85°23'49.0"W, is in error. The correct geographic position is Latitude 30°02'27.0"N, Longitude 85°23'51.0"W. See also section 7.a.3) of this report.

d. When describing an item in the Descriptive Report, it is preferred that the hydrographer not refer to the location of an item by position number alone. The position number is helpful to the verifier during office processing; however, a geographic position should be included with the position number in the Descriptive Report. A reference to a position number does not provide the reader with a definitive location of the feature or area being discussed. The possibility also exists that the reader may not have the smooth sheet to accompany the report. This does not adversely effect the overall quality of the survey.

5. JUNCTIONS

The junctional survey to the west, H-10266, was in the field during office processing of the present survey. A junction between the two (2) surveys will be considered when H-10266 is processed. Charted depths within the junctional area are generally one (1) foot deeper than the present survey.

6. COMPARISON WITH PRIOR SURVEYS

H-5780 (1935) 1:10,000

The shoreline is in good agreement with the present survey with few natural and cultural changes. The addition of the Intracoastal Waterway is the only major exception. Depths deeper than two feet on the present survey are generally shoaler by one (1) to three (3) feet than prior survey depths. This is probably due to sedimentation.

The following should be noted:

a. Soundings along the shoreline not covered by the present survey are consistent with the prior survey. Two such areas are the east side of Sandy Creek in the vicinity of Latitude 30°04'00"N, Longitude 85°26'10"W and most of Horseshoe Bayou. Since presently charted soundings originate with the prior survey, it is recommended that charted soundings not covered by the present survey in these two areas be retained.

An exception to the above is in the vicinity of Wetappo Creek from the mouth of the creek in Latitude 30°02'27"N, Longitude 85°24'07"W eastward to the limits of hydrography. Present survey soundings on the outside of the

Intracoastal Waterway are generally one (1) foot shoaler than the prior survey. Since presently charted soundings originate with the prior survey, it is recommended that the charted soundings not covered by the present survey be removed from the chart. It is also recommended that the charted area uncovering that originates with the prior survey in the vicinity of Latitude 30°02'00.0"N, Longitude 85°23'35.0"W be retained.

b. A charted platform in ruins in Latitude 30°01'45.4"N, Longitude 85°27'35.2"W originating with the prior survey, was neither verified nor disproved. The platform was brought forward as a submerged platform in ruins from the prior survey to supplement the present survey. It is recommended that platform in ruins be revised as a submerged platform in ruins.

c. The following charted features originating with the prior survey were investigated by the hydrographer:

Feature	Latitude (N)	Longitude (W)
Pier ruins	30°02'24"	85°26'11"
Pier ruins	30°02'27"	85°26'06"
Pier ruins	30°03'13"	85°25'29"

It is recommended that these features be removed from the chart.

d. The pier ruins charted in Latitude 30°03'17.0"N, Longitude 85°25'47.0"W originate with a pier shown on the prior survey in Latitude 30°03'16.4"N, Longitude 85°25'43.8"W. The position of the charted pier ruins is approximately 88 meters west of where it should be charted. It appears that what may be a one (1) foot sounding on the 14th edition of chart 11393 was mistaken for and revised to pier ruins on the latest edition of the chart. The pier ruins were neither investigated nor discussed by the hydrographer. Present survey depths in the area are zero (0) to one (1) foot and show no indication of pier ruins. It is recommended that the charted pier ruins be removed from the chart.

e. The pier ruins charted in the vicinity of Latitude 30°03'34.6"N, Longitude 85°26'13.8"W, originating with the prior survey, were not investigated by the hydrographer. Present survey depths in the area are zero (0) to one (1) foot and show no indication of the pier ruins. It is recommended that the charted pier ruins be removed from the chart.

f. The charted pier ruins in Latitude 30°02'33.0"N, Longitude 85°25'42.4"W originate with the prior survey. The hydrographer states piles were visually sighted on shore and no visible ruins of the pier were seen seaward of the high water line. Present survey depths in the area are one (1) to

three (3) feet. A visual investigation is not considered adequate to disprove the possible existence of any submerged ruins. The pier was brought forward as submerged pier ruins from the prior survey to supplement the present survey. It is recommended that the charted pier ruins be revised to submerged pier ruins.

g. A small pier shown on the prior survey in Latitude 30°03'57.0"N, Longitude 85°26'23.0"W was not discussed by the hydrographer. The pier is not presently charted on the 15th edition of NOS chart 11393 or shown on TP-00348 of 1977-78; however, it is charted as a visible pier on the 14th edition of the chart. No change in charting status is recommended unless other charting information indicates otherwise.

h. Three charted notes for oysters within the limits of the present survey were not discussed by the hydrographer. Two of the notes originate with the prior survey in the vicinity of Latitude 30°01'09.5"N, Longitude 85°26'39.0"W and Latitude 30°02'10.0"N, Longitude 85°26'51.0"W, and were brought forward to supplement the present survey. The third note originates with an unknown source, in the vicinity of Latitude 30°02'21.0"N, Longitude 85°24'37.0"W. It is recommended that the notes oysters be retained as charted.

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

7. COMPARISON WITH CHART 11393 (15th Ed., May 9/87)

a. Hydrography

The charted hydrography originates with the previously discussed prior survey and needs no further discussion. Specific features discussed in section L., page 9 of the Descriptive Report, and the hydrographer's Item Investigation Reports have charting recommendations that require no additional comments except as noted in that report. In addition, the following should be noted:

1) Numerous uncharted features were located by the hydrographer during the survey in addition to the features discussed in section L., page 9, of the Descriptive Report. It is recommended that these features be charted as shown on the present survey.

2) AWOIS item #4446 is an obstruction reported PA charted in Latitude 30°02'40.0"N, Longitude 85°24'51.0"W. An obstruction was located by the hydrographer in Latitude 30°02'41.13"N, Longitude 85°24'50.44"W with a least depth of three (3) feet. It is recommended that the notation obstruction reported PA be deleted from the chart, and an obstruction with a least depth of three (3) feet at MLLW (3 obstr) be charted as shown on the present survey.

3) AWOIS item #4447 is an obstruction charted in Latitude 30°02'27.0"N, Longitude 85°23'51.0"W originating with an unknown source. An obstruction (wood) was located by the hydrographer in Latitude 30°02'27.41"N, Longitude 85°23'48.10"W with a depth of one (1) foot. It is recommended that the presently charted obstruction be revised as an obstruction (wood) with a depth of one (1) foot at MLLW (1 obstr) as shown on the present survey.

4) Two (2) uncharted obstructions (trees) baring one foot above MHW were located by the hydrographer in Latitude 30°02'40.11"N, Longitude 85°24'57.28"W, and Latitude 30°02'39.90"N, Longitude 85°25'05.92"W. It is recommended that an obstruction (tree) be charted in the positions shown on the present survey.

b. Controlling Depths

There are no conflicts with the charted channel controlling depths in the Intracoastal Waterway.

c. Dangers to Navigation

Two Dangers to Navigation notices were submitted by the hydrographer to the Commander (oan), Eighth Coast Guard District, New Orleans, LA. Copies of the notices are appended to the Descriptive Report.

d. Aids to Navigation

The hydrographer located thirty-one (31) floating and eight (8) fixed aids to navigation. These aids appear adequate to serve their intended purposes.

The following should be noted:

It is recommended four (4) presently charted black can buoys (C"1", C"37", C"41", and C"43") be revised to green can buoys as shown on the present survey.

8. COMPLIANCE WITH INSTRUCTIONS

This survey adequately complies with the Project Instructions except as noted elsewhere in this report.

9. ADDITIONAL FIELD WORK

This is a good basic survey. Additional field work may be necessary at an opportune time to complete hydrography in the area discussed in section 6.a. of this report.

Franklin L. Saunders
Cartographic Technician
Verification of Field Data

Richard H. Whitfield
Cartographer
Evaluation and Analysis

Robert R. Hill
Senior Cartographic Technician
Verification Check

INSPECTION REPORT
H-10267

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 complies with National Ocean Service requirements except as noted in the Evaluation Report. The survey records comply with NOS requirements except where noted in the Evaluation Report.

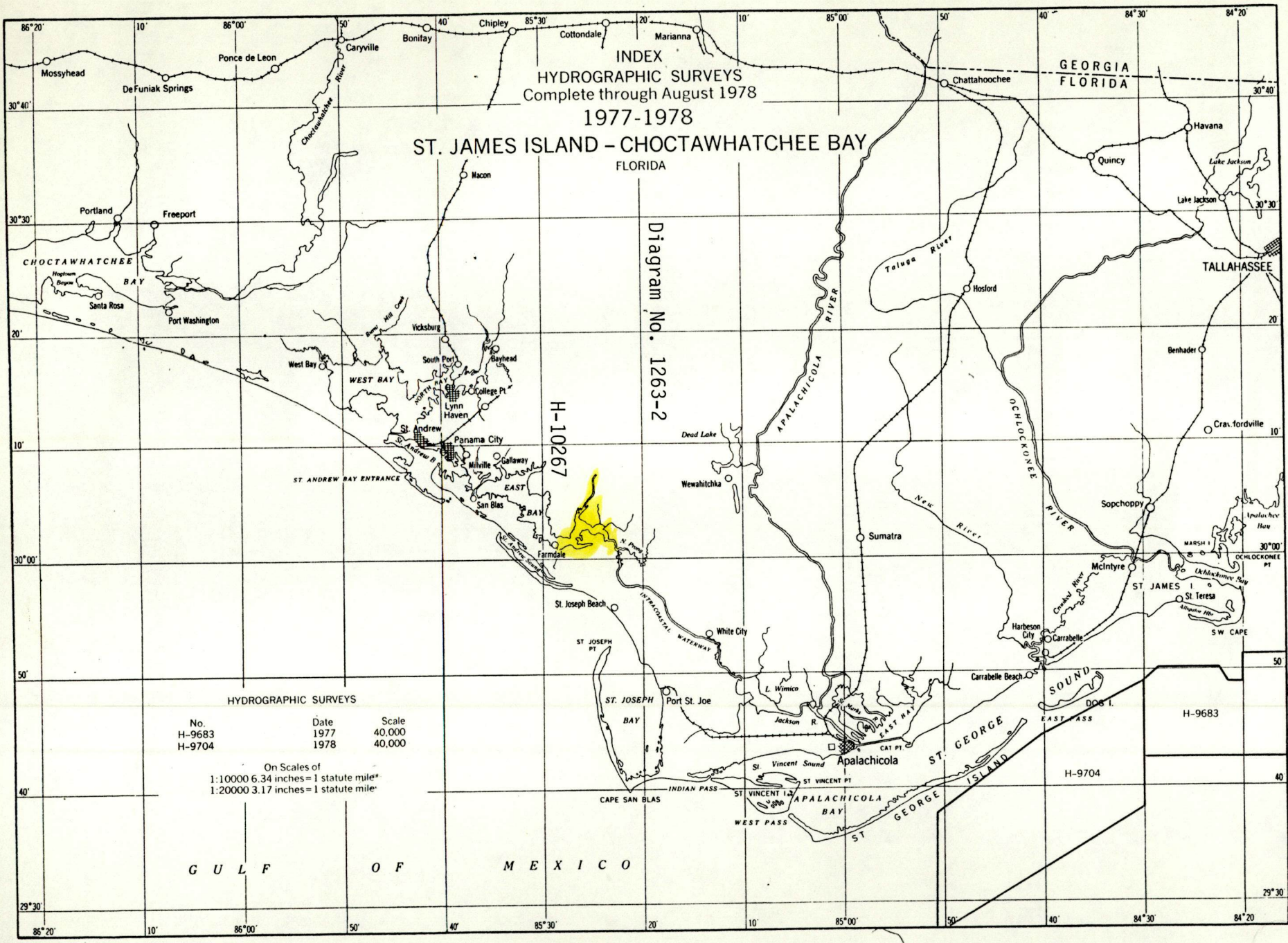
Inspected

Robert G. Roberson
Chief, Evaluation and Analysis Group

William A. Wert, LCDR, NOAA
Chief, Hydrographic Surveys Branch

Approved: 20 March 1989

Ray E. Moses, RADM, NOAA
Director, Atlantic Marine Center



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

Hydrographic Index No. 84 E

NOAA FORM 75-96
(10-83)

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

MARINE CHART BRANCH

RECORD OF APPLICATION TO CHARTS

EXAMINED FOR NM
GDBU
ZMD 3-2-90 NC
DCH 3-5-90

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-10267

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
11393	9/6/96	AK MACEN	Full ~~Part Before~~ After Marine Center Approval Signed Via FULL APPLICATION
			Drawing No. OF SNDGS FROM S.S.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.
			Full Part Before After Marine Center Approval Signed Via
			Drawing No.

SUPERSEDES C&GS FORM 8352 WHICH MAY BE USED.