

9391

200

Diag. Chit. No. 1114.

NOAA FORM 76-35A

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

DESCRIPTIVE REPORT
(HYDROGRAPHIC)

Type of Survey Hydrographic

Field No. HSL-20-3-73

Office No. H-9391

LOCALITY

State .. Florida

General Locality .. North West Coast

Locality Offshore from Clearwater, Florida

1973

CHIEF OF PARTY
Lt. Cdr. F. T. Smith, NOAA

LIBRARY & ARCHIVES

DATE 5/18/77

Area 3

Chart 1002 (11013)

Area 4

Chart 1114 (11400) 1st

*Charts 1003
1007 3 NE*

HYDROGRAPHIC TITLE SHEET

H-9391

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.

HSL-20-3-73 ✓

State Florida

General locality ~~South~~ West Coast

Locality Offshore from Clearwater, Florida

Scale 1:20,000 Date of survey May-June 1973

Instructions dated September 11, 1973 ✓ Project No. OPR-508-HSL-72 ✓

Vessel NOAA Launch 1257

Chief of party Lt. Cdr. F. T. Smith

Surveyed by F. T. Smith, W.L. Adams, F. Saunders, D. Mason

Soundings taken by echo sounder, hand lead, pole DE 723-D Raytheon

Graphic record scaled by Digitizer

Graphic record checked by Launch Personnel

Protracted by Hydroplot Automated plot by AMC ^{Calcomp - 618}

Verification by Hydroplot R. Hill

Soundings in ~~athoms~~ feet at MLW ~~MEAN~~

REMARKS: Raydist DRS system used for position. Hydroplot system logged and plotted data.

Cat. 1 SURVEY

Applied to sta 6/2/77

[Signature]

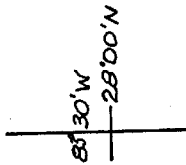
1.

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| STATISTICS | Dec. 72 | Jan. | Feb. | Mar. | April | May | June |
|--|---------|------|------|------|-------|-----|------|
| Linear Nautical Miles | 230 | 326 | 329 | 71.2 | 94.2 | 882 | 062 |
| Bottom Samples | 0 | 110 | 0 | 0 | 163 | 142 | 030 |
| Tide Stations Portable 90 days | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Tide Stations Portable less than 30 days | | | | | | | |

Tide Stations Portable less than 30 days



28°04'24"

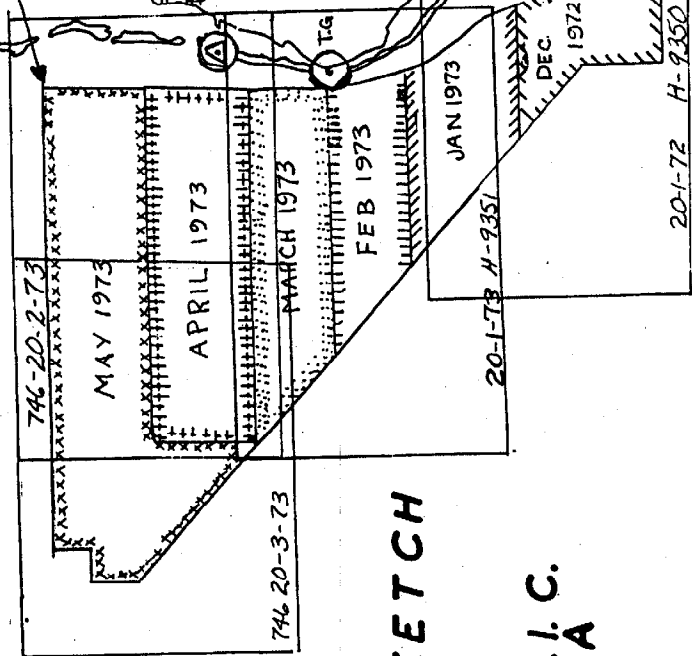
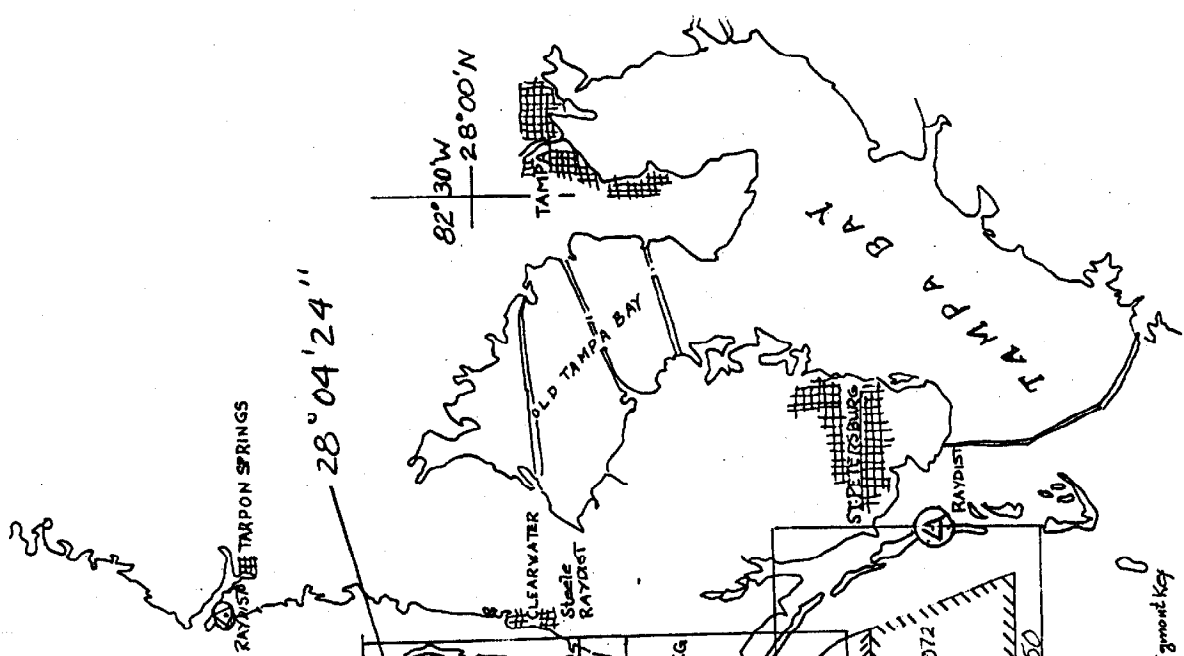
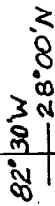


Figure Key

OPR 508
HFP 746
CHART 1114
F. T. SMITH O.I.C.
L. CDR NOAA

DESCRIPTIVE REPORT
FOR
HYDROGRAPHIC SURVEY H-9391
HSL-20-3-73

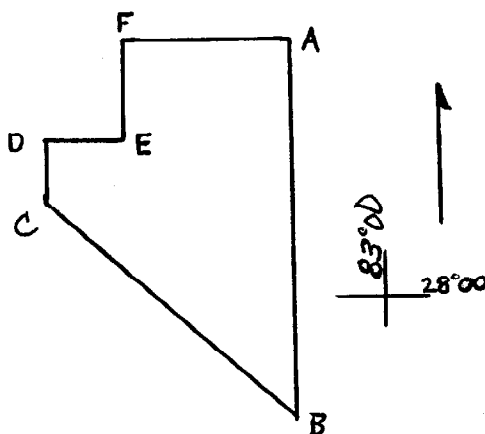
A. Project

This survey was completed as a part of OPR 508 in accordance with the Project Instructions OPR-508-HSL-72, Gulf Coast of Florida, dated September 11, 1972.

B. Area Surveyed

This survey covers an area offshore of Clearwater Beach, Florida. The area surveyed lies approximately 17 miles west of Clearwater Pass. The limits of the hydrography are given by the following points:

- A. Lat. $28^{\circ} 04' 24''$ ✓
Long. $83^{\circ} 07' 00''$ ✓
- B. Lat. $27^{\circ} 55' 30''$ ✓
Long. $83^{\circ} 07' 00''$ ✓
- C. Lat. $28^{\circ} 00' 00''$ ✓
Long. $83^{\circ} 12' 36''$ ✓
- D. Lat. $28^{\circ} 02' 30''$ ✓
Long. $83^{\circ} 12' 36''$ ✓
- E. Lat. $28^{\circ} 02' 30''$ ✓
Long. $83^{\circ} 10' 00''$ ✓
- F. Lat. $28^{\circ} 04' 24''$ ✓
Long. $83^{\circ} 10' 00''$ ✓



C. Sounding Vessel

NOAA Launch 1257 of HFP 746 was the only vessel used to obtain soundings on this boatsheet.

D. Sounding Equipment

A Raytheon DE 723 D was used to obtain echo soundings. It was a model 723-40 with serial number 37024 for the recorder. The ECU was a model 743-42 with the serial number 1910. A Tracor model 20 Precision Frequency-Square Wave-Power Module was used as an AC power source for the fathometer. Soundings ranged from 50 to 68 feet. Barchecks were taken to 60 feet. Numerous A-F checks and fine arc comparisons were made. There is no phase correction to be made.

A Report on Corrections to Echo Soundings OPR 508 1972-1973 should accompany this report.

E. Smooth Sheet

The smooth sheet will be plotted by the Processing Division at the Atlantic Marine Center in Norfolk, Virginia.

A composite plot (field smooth plot) was made in the field to make sure the tapes were in order.

The composite plot was good except the inked soundings were very faint and in two colors. This was a result of the problems encountered with the ball point pens used on the roll plotter.

Original master tapes, corrector tapes, TC/TI tapes and velocity table tapes are being submitted with this report. They should plot with a minimum of trouble.

The field plotter sheet, the field smooth sheet and one overlay are being submitted. The overlay contains the bottom samples, a development and a few crosslines.

F. Control

Electronic positioning control was used in the range-range mode. The equipment used was Hastings Raydist DRS system. Shore sites were located by Mr. Jim Shea from NOS-AMC Operations Division. The stations were located at:

| <u>Station</u> | <u>Latitude</u> | <u>Longitude</u> |
|----------------|-------------------|-------------------|
| Tarpon | 28° 09' 49.805" ✓ | 82° 47' 24.737" ✓ |
| Steele Raydist | 27° 56' 32.724" ✓ | 82° 50' 13.464" ✓ |

Calibration was by three point sextant fix. Calibrations were performed at least twice daily in an area of good control. This survey area is 16 to 20 miles offshore.

An abstract of corrections is included in the appendix. A copy of the Report on Corrections to Electronic Control OPR 508-1972-1973 should accompany this report. Daily calibration forms with original data remains with the original report on corrections to electronic control.

The DEC PDP 8I hydroplot system was used to record the survey information.

The Raydist DRS System was a model No. ZA673 with a serial number of 67 and was tuned to 3296.495kHz.

G. Shoreline

There is no shoreline on this boatsheet.

H. Crosslines

There was 24 n. miles of crosslines to 321 n. miles of sounding lines for a percentage of 7.5. Agreement was excellent at all crossings.

I. Junctions

This survey junctions with H-9390 (1973) on the east. The junction is good and there ^{are} no holidays.

On the west this survey junctions with two prior surveys from 1950. They are H-7792 and H-7793. These were 1:100,000 surveys using EPI control.

In some areas the surveys agreed within 2 feet. However; H-9391 appeared to be shoaler by 3 or 4 feet.

Joins H-9507 on the North

J. Comparison with Prior Surveys

H-9391 was compared to Reg. No. 15936 of 1884. Agreement was marginal. The prior survey soundings were in fathoms and soundings were sparse.

K. Comparison with the Chart

This survey was compared to NOS Chart 1114. There are 3 soundings in the area of this survey shown on that chart. Transfer was difficult due to the difference in scale. The charted soundings can be considered verified. However; these charted soundings are not the controlling depths. The controlling depth for this area is 54 feet and the chart indicates 60 feet.

The Pre Survey Review listed one item to be investigated. It was:

"1. The wreck charted as cleared by 5 fathoms at Lat. $27^{\circ} 56.8'$ long. $83^{\circ} 07.5'$ originates with Notice to Mariners No. 49 of 1957 from information by the Corps of Engineers.

The original report of this wreck states that a dredge had sunk in 9 fathoms of water - Notice to Mariners No. 8 of 1943.

No specific investigation of this wreck is necessary. However, the fathograms in the vicinity of the wreck should be examined for indications and any found should be investigated."

Results: The wreck was searched for and found. A good least depth was not obtained. Pos. 1250 to 1252 give position of the wreck as lat. $27^{\circ} 57' 12''$ and long. $83^{\circ} 07' 20''$. Local charter boat fisherman mark the site with a small buoy (clorox bottle). The fathogram over the wreck site showed the wreck as being 52 feet. A leadline sounding was not taken. The fathogram trace is inclusive and it is recommended that the 30 foot depth be retained until the wreck is cleared by a wire sweep.

Use in place of this position of wreck

L. Adequacy of Survey

This survey is complete and adequate to supersede the prior surveys for charting.

M. Aids to Navigation

There are no landmarks, fixed aids or floating aids on this boatsheet.

N. Statistics

| Day | From GMT | To GMT | Pos. | Pos. | Miles of Sdg. Line | B.S. |
|-----------------------|-------------|-----------|------|------|--------------------|------|
| 131 | 1455 | 2102 | 1 | 343 | 105.0 | |
| 133 | 1440 | 2042 | 344 | 667 | 100.0 | |
| 135 | 1413 | 2016 | 668 | 1017 | 98.0 | |
| 137 | 1653 | 2007 | 1018 | 1126 | 30.2 | |
| 155 | 1350 | 1825 | 1127 | 1196 | 11.0 | 30 |
| 158 | 1533 | 1703 | 1197 | 1252 | <u>11.0</u> | |
| Total lineal n. miles | | | | | 355.2 n.m. | |
| Area | | | | | 28.8 s.n.m. | |
| Bottom Samples | | | | | 30 | |

O. Miscellaneous

None

P. Recommendations

None

Q. Reference to Reports

Reports not included in the Descriptive Report which have been submitted seperately include:

1. Report on Corrections to Echo Soundings OPR 508 1972-1973.
2. Report on Corrections to Electronic Control OPR 508 1972-1973.
3. Report on Horizontal Control OPR 508 1972-1973.

APPROVAL SHEET

All records and data for this survey has been collected under my supervision and examined by me daily for completeness and adequacy.

Respectfully submitted,



Fidel T. Smith
Lt. Cdr., NOAA
Chief, AHP

CAN3-1
1/31/74

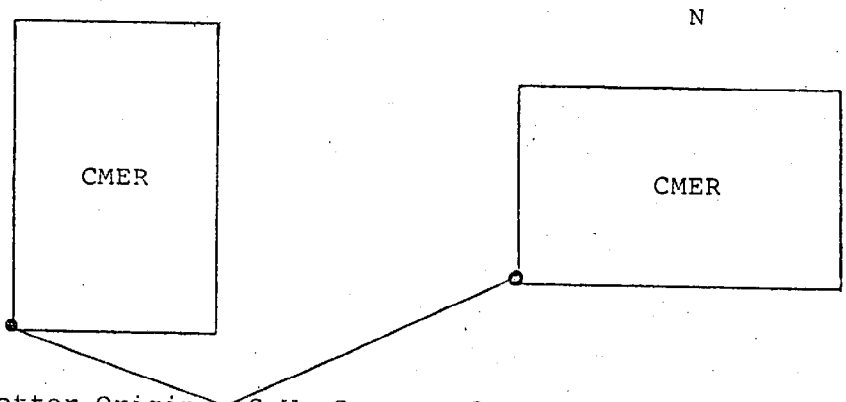
ATLANTIC MARINE CENTER

Main Hydro.

PROJECTION PARAMETERS

POLYCONIC OR MODIFIED TRANSVERSE MERCATOR

- 1. Project No. OPR-508
- 2. Reg. No. H-9391
- 3. Field No. HSL 20-3-73
- 4. Requested By Verification Branch (FLS)
- 5. Ship or Office AMC
- 6. Date Required ASAP
- 7. Polyconic Modified Transverse Mercator
- 8. Central Meridian of Projection 83 ° 09 ' 00 "
- 9. Survey Scale: 1: 20,000
- 10. Size of Sheet (check one):
 36 x 54 36 x 60 Other Specify 36" x 36"
- 11. Sheet Orientation (check one):
 NYX = 1 NYX = 0
 N N



- 12. Plotter Origin: S.W. Corner of Sheet (not necessarily a grid intersection)
 Latitude 27 ° 54 ' 54 "
 Longitude 83 ° 14 ' 00 "
- 13. G.P.'s of triangulation and/or signals attached
- 14. Material Desired: Tracing Paper Mylar
 Smooth Sheet Other Specify _____
- 15. Remarks: _____

ATLANTIC MARINE CENTER
ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-508 2. Reg. # H-9391 3. Field # AHP-20-3-73
 4. Type of Control: Raydist (Hi-Fix, Raydist, EPI, etc.)
 5. Frequency 3276.495 (for conversion of electronic lanes to meters)
 6. Mode of Operation (check one):

Range-Range

Range One (R₁)
 Station I.D. TARPON
 Range Two (R₂)
 Station I.D. Steel Raydist

Range-Visual

Lat. 28 ° 09 ' 49.805 "
 Long. 82 ° 47 ' 24.737 "
 Lat. 27 ° 56 ' 32.724 "
 Long. 82 ° 50 ' 13.464 "

Hyperbolic (3-station)

Slave One
 Station I.D. _____
 Master
 Station I.D. _____
 Slave Two
 Station I.D. _____

Hyper-Visual

Lat. _____ ° _____ ' _____ "
 Long. _____ ° _____ ' _____ "
 Lat. _____ ° _____ ' _____ "
 Long. _____ ° _____ ' _____ "
 Lat. _____ ° _____ ' _____ "
 Long. _____ ° _____ ' _____ "

7. Location of Survey:

Range-Range

Imagine an observer is standing at R₁ Station and looking directly at R₂ (check one):

Survey area is to observer's Right A=0

Survey area is to observer's Left A=1

Hyperbolic

Looking from survey area toward Master Station:

Slave One must be to observer's Left;

Slave Two must be to observer's Right.

8. This form is submitted as an aid in preparing a boat sheet.

This form applies to all data on this survey.

This form applies to part of the data on this survey.

| Vessel EDP # | From | | To | | Position Numbers (inclusive) | |
|-----------------|---------------|------------|---------------|------------|---------------------------------|----------------|
| | Time | Day | Time | Day | | |
| <u>1257</u> | <u>145500</u> | <u>131</u> | <u>235900</u> | <u>158</u> | <u>1</u> | to <u>1252</u> |
| _____ | _____ | _____ | _____ | _____ | _____ | to _____ |
| _____ | _____ | _____ | _____ | _____ | _____ | to _____ |

9. Remarks: _____

SIGNAL NAME LISTING

- 100 EGMONT KEY LIGHTHOUSE (REAR RANGE) 1873
- 105 PINK HOTEL (DN CESAR'S)
- 107 SW CORNER, HAPPY DOLPHIN
- 108 PENTHOUSE, ELEV. SHAFT
- 110 CROSS ATOP ST. JOHN'S CATHOLIC CHURCH
- 111 BLIND PASS TANK
- 122 U S VETERANS HOSPITAL (NORTHWEST OF ST) PETERSEBURG
SQUAT WHITE TANK 1934
- 133 MADEIRA BEACH TANK
- 135 LIGHT, 17403 GULF BLVD
- 144 BELLEAIR BEACH TANK
- 137 PUBLIC FISHING PIER(SOUTH)
- 139 PUBLIC FISHING PIER(NORTH)
- 155 BELLEAIR SILVER MUNICIPAL TANK 1926
- 156 CLEARWATER, BELLEVIEW HOTEL, WHITE BRICK STAC 1925
- 156 CLEARWATER BEACH TANK
- 170 MANDALAY SHORES
- 171 MICRO WAVE TOWER
- 172 DUNEDIN MUNICIPAL TANK
- 173 TRIFOLK PINK
- 180 TARPON SPRINGS MUN TANK(TAR 1929)
- 190 TARPON SPRINGS MUN TANK(FON 1925)
- 200 ANCLOTE KEYS LIGHTHOUSE

| | | | | | | | | |
|-----|----|----|------|----|---|----|------|----|
| 100 | 27 | 36 | 0174 | 03 | 2 | 45 | 39 | 03 |
| 105 | 27 | 42 | 3236 | 03 | 2 | 44 | 1477 | |
| 107 | 27 | 43 | 1759 | 03 | 2 | 44 | 2936 | |
| 103 | 27 | 44 | 1153 | 03 | 2 | 45 | 1213 | |
| 110 | 27 | 44 | 5249 | 03 | 2 | 45 | 1686 | |
| 111 | 27 | 45 | 2323 | 03 | 2 | 45 | 3342 | |
| 122 | 27 | 48 | 3659 | 03 | 2 | 46 | 2173 | |
| 133 | 27 | 48 | 0605 | 03 | 2 | 47 | 5918 | |
| 135 | 27 | 49 | 2066 | 03 | 2 | 49 | 4295 | |
| 137 | 27 | 51 | 1315 | 03 | 2 | 50 | 5626 | |
| 139 | 27 | 53 | 4417 | 03 | 2 | 51 | 1076 | |
| 144 | 27 | 55 | 0060 | 03 | 2 | 50 | 2955 | |
| 155 | 27 | 56 | 0214 | 03 | 2 | 43 | 0332 | |
| 156 | 27 | 56 | 3764 | 03 | 2 | 43 | 3773 | |
| 166 | 27 | 59 | 0316 | 03 | 2 | 49 | 3343 | |
| 170 | 27 | 59 | 5043 | 03 | 2 | 49 | 3943 | |
| 171 | 28 | 01 | 5207 | 03 | 2 | 49 | 1574 | |
| 172 | 28 | 02 | 5360 | 03 | 2 | 46 | 3952 | |
| 177 | 28 | 05 | 3114 | 03 | 2 | 50 | 1657 | |
| 181 | 28 | 03 | 4236 | 03 | 2 | 45 | 1049 | |
| 190 | 28 | 09 | 1569 | 03 | 2 | 45 | 4206 | |
| 200 | 28 | 10 | 0018 | 03 | 2 | 50 | 4149 | |
| 500 | 27 | 42 | 2333 | 03 | 2 | 44 | 1657 | |
| 505 | 27 | 56 | 3272 | 03 | 2 | 50 | 1346 | |

Vol. Table #2 H-9391

000047 0 0000 0002 000 125700 009391
000094 0 0002
000141 0 0004
000138 0 0006
000235 0 0003
000282 0 0010
000329 0 0012
000376 0 0014
000422 0 0016
000470 0 0013
000515 0 0020
000562 0 0022
000609 0 0024
000656 0 0026
000702 0 0028
000749 0 0030
999999 0 0030

Tot. LCH 1257 H-9391

000000 0 0000 0002 131 125700 009391

11/25/75

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

TIDE NOTE FOR HYDROGRAPHIC SHEET

Processing Division: Atlantic Marine Center:

Hourly heights are approved for Form 362

Tide Station Used (NOAA Form 77-12): Indian Rocks Beach

Period: January-May, 1973

HYDROGRAPHIC SHEET: H-9391

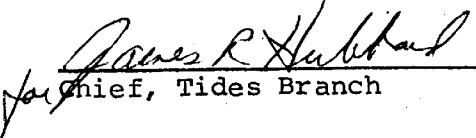
OPR: 508

Locality: Off the west coast of Florida

Plane of reference (mean ~~lower~~ low water): 1.3 ft.
diurnal

Height of Mean High Water above Plane of Reference:
2.1 ft.

Remarks: Zone direct.



Chief, Tides Branch

OCEANOGRAPHIC LOG SHEET - M
BOTTOM SEDIMENT DATA

H-9391

| VESSEL | SERIAL NO. | DATE | SAMPLE POSITION | | DEPTH fathoms | WEIGHT OF SAMPLER | AP- PROX- TRAY TION | LENGTH OF CORE | COLOR OF SEDIMENT | FIELD DESCRIPTION | REMARKS (Unusual conditions, cohesion, density, cutter, stat. no., type of bottom relief, etc.) | OBS. |
|--------|------------|---------|-----------------|-----------|------------------|-------------------------|------------------------------|----------------------|-------------------------|-------------------|--|------|
| | | | LATITUDE | LONGITUDE | | | | | | | | |
| 1257 | 6/473 | 27°56.1 | 83°07.5 | 60ft | 1 | | | | fine gy S | Bottom Sample #1 | WCA | |
| | 1128 | 27°57.0 | 83°08.0 | 55 | | | | | fine gy S & bk Sh | | #2 | |
| | 1129 | 27°58.1 | 83°08.0 | 58 | | | | | md gy S | | #3 | |
| | 1130 | 59.1 | 83°08.0 | 62 | | | | | Co & bk Sh | | #4 | |
| | 1131 | 28°00.0 | 83°08.0 | 61 | | | | | crs gy S & bk Sh | | #5 | |
| | 1132 | 28°01.1 | 83°08.0 | 55 | | | | | fine gy S & sm bk Sh | | #6 | |
| | 1133 | 28°02.0 | 83°08.0 | 59 | | | | | bk Co | | #7 | |
| | 1134 | 28°03.1 | 83°08.0 | 53 | | | | | fine gy S | | 8 | |
| | 1135 | 28°04.0 | 83°08.0 | 56 | | | | | crs gy S & bk Sh | | 9 | |
| | 1136 | 28°04.0 | 83°09.0 | 56 | | | | | crs gy S & bk Sh | | 10 | |
| | 1137 | 03.0 | 83°09.0 | 60 | | | | | br Wd | | 11 | |
| | 1138 | 28°02.0 | 83°09.0 | 59 | | | | | crs gy S & bk Sh | | 12 | |
| | 1329 | 28°01.0 | 83°09.0 | 57 | | | | | Wd & bk Sh | | 13 | |
| | 1140 | 27°59.9 | 83°09.0 | 62 | | | | | crs br S & bk Sh & Co | | 14 | |
| | 1141 | 27°59.0 | 09.1 | 60 | | | | | fine br S | | 15 | |
| | 1142 | 27°57.9 | 09.0 | 60 | | | | | fine br S | | 16 | |
| | 1143 | 27°58.1 | 83°10.1 | 65 | | | | | crs gy & bk S | | 17 | |

15

Use more than one line per sample if necessary.

OCEANOGRAPHIC LOG SHEET - M
BOTTOM SEDIMENT DATA

U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEY

H-9391

| VESSEL | SERIAL NO. | DATE | SAMPLE POSITION | | DEPTH OF SAMPLER (FATHOMS) | WEIGHT OF SAMPLER | AP. PROX. TENSION | LENGTH OF CORE | COLOR OF SEDIMENT | FIELD DESCRIPTION | REMARKS (Unusual conditions, cohesiveness, detrital matter, etc.) | OBS. (INIT.) |
|--------|------------|---------|-----------------|-----------|----------------------------|-------------------|-------------------|----------------|-------------------|-------------------------------|--|--------------|
| | | | LATITUDE | LONGITUDE | | | | | | | | |
| 1257 | | | PR 508 | | | | | | | | | |
| | | | YEAR | | | | | | | | | |
| | | | 1973 | | | | | | | | | |
| | | | CHECKED BY | | | | | | | | | |
| | | | W.A. | | | | | | | | | |
| | | | DATE CHECKED | | | | | | | | | |
| | | | 6/173 | | | | | | | | | |
| 1144 | 6/4/73 | 27°59.1 | 83°10.0 | 59 | | 1" | | | br | fne br S | Bottom Sample # 18 | |
| 1145 | | 28°00.0 | 83°10.0 | 62 | | | | | br | fne br S | | 19 |
| 1146 | | 28°01.2 | 83°10.0 | 62 | | | | | br | crs bk br fgy. S&Sh | | 20 |
| 1147 | | 28°02.2 | 83°10.0 | 62 | | | | | gy | crs gy S&brk Sh | | 21 |
| 1148 | | 28°03.1 | 83°10.0 | 61 | | | | | gy | fne gy S&sm/Sh | | 22 |
| 1149 | | 28°04.2 | 83°10.0 | 59 | | | | | br | crs br & bk S&brk Sh Co&M&Crb | | 23 |
| 1150 | | 28°01.9 | 83°11.0 | 62 | | | | | - | brk Rk&Sh | | 24 |
| 1152 | | 28°00.9 | 83°11.0 | 64 | | | | | - | Co | | 25 |
| 1153 | | 28°00.0 | 83°11.0 | 61 | | | | | gy | fne gy S&sm/Sh | | 26 |
| 1154 | | 27°59.0 | 83°11.0 | 67 | | | | | br | crs br S&brk Sh&Co | | 27 |
| 1155 | | 28°00.1 | 83°12.0 | 62 | | | | | gy | fne lgy S | | 28 |
| 1156 | | 28°01.0 | 83°12.0 | 66 | | | | | br | crs br S&brk Sh | | 29 |
| 1157 | | 28°01.9 | 83°12.0 | 64 | | | | | - | brk Sh&Co | | 30 |

16

Use more than one line per sample if necessary.

Verifier: F. L. Saunders

March 21, 1975

VERIFICATION NOTE TO EDP (AMC)

Survey H-9391 HSL-20-3-73 OPR-508

Do not plot positions 1202 thru 1248, Record Numbers 06362 - 06590, on smooth sheet. Plot excess level 9.

Plot record numbers 06362 thru 06590 on an overlay 8' x 10½'. Origin point 27° 56' 18", 83° 08' 38", 1: 10, 000. Central meridian 83° 07' 30". Parameter form attached.

CAM3-1
1/31/74

Development

ATLANTIC MARINE CENTER

PROJECTION PARAMETERS

POLYCONIC OR MODIFIED TRANSVERSE MERCATOR

1. Project No. OPR-508 4. Requested By Verification Branch (FLS)
2. Reg. No. H-9391 5. Ship or Office AMC
3. Field No. HSL 20-3-73 6. Date Required ASAP

7. Polyconic Modified Transverse Mercator

8. Central Meridian of Projection 83 ° 07 ' 30 "

9. Survey Scale: 1: 10,000

10. Size of Sheet (check one):

36 x 54 36 x 60 Other Specify 8' x 10 1/2'

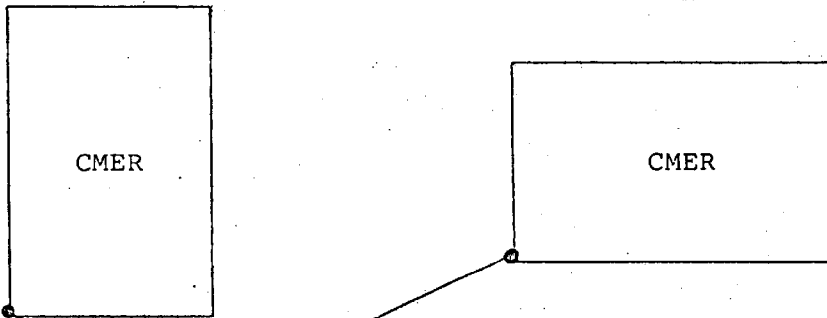
11. Sheet Orientation (check one):

NYX = 1

NYX = 0

N

N



12. Plotter Origin: S.W. Corner of Sheet (not necessarily a grid intersection)

Latitude 27 ° 56 ' 18 "

Longitude 83 ° 08 ' 38 "

13. G.P.'s of triangulation and/or signals attached

14. Material Desired: Tracing Paper Mylar

Smooth Sheet Other Specify Development for Descriptive

15. Remarks: Report, from Record Numbers 06362 thru 06590, Position Number 1202 thru 1248.

GEOGRAPHIC NAMES

H-9391

| | | | | | | | | | |
|----------------|--------------|------------------------|--------------------------|------------------------|---------------|-------------------|---------------------|-----------------|---|
| Name on Survey | A | B | C | D | E | F | G | H | K |
| | ON CHART NO. | ON PREVIOUS SURVEY NO. | CON U.S. QUADRANGLE MAPS | FROM LOCAL INFORMATION | ON LOCAL MAPS | P.O. GUIDE OR MAP | GRAND McNALLY ATLAS | U.S. LIGHT LIST | |

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HYDROGRAPHIC SURVEY STATISTICS
HYDROGRAPHIC SURVEY NO. H-9391

RECORDS ACCOMPANYING SURVEY: To be completed when survey is registered.

| RECORD DESCRIPTION | | AMOUNT | RECORD DESCRIPTION | | AMOUNT | |
|--|---------------------------------------|----------------------|-------------------------------------|------------|---------------|--------------------------------|
| SMOOTH SHEET <i>plus PNO & Excess Overlays</i> | | 1 | BOAT SHEETS <i>(3-parts, mylar)</i> | | 1 2 | |
| DESCRIPTIVE REPORT | | 1 | OVERLAYS <i>Preliminary</i> | | 2 | |
| DESCRIPTION | DEPTH RECORDS | HORIZ. CONT. RECORDS | PRINTOUTS | TAPE ROLLS | PUNCHED CARDS | ABSTRACTS/ SOURCE DOCUMENTS |
| ACCORDION ENVELOPES | 1 | | 1 - smooth | | | 1 |
| CAHIERS | 1 <i>(Fathograms & printouts)</i> | | ± | | | |
| VOLUMES | 1 | | | | | |
| BOXES | | | | | | |
| T-SHEET PRINTS <i>(List)</i> | | | | | | |
| SPECIAL REPORTS <i>(List)</i> | | | | | | |

OFFICE PROCESSING ACTIVITIES

The following statistics will be submitted with the cartographer's report on the survey

| PROCESSING ACTIVITY | AMOUNTS | | | |
|---|----------------------------|-------------------------|--------|--------|
| | PRE-VERIFICATION | VERIFICATION | REVIEW | TOTALS |
| POSITIONS ON SHEET | | | | 1252 |
| POSITIONS CHECKED | | 120 | | |
| POSITIONS REVISED | | 10 | | |
| DEPTH SOUNDINGS REVISED | | 125 | | |
| DEPTH SOUNDINGS ERRONEOUSLY SPACED | | --- | | |
| SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED | | --- | | |
| | TIME (MANHOURS) | | | |
| TOPOGRAPHIC DETAILS | | --- | | |
| JUNCTIONS | | 6 | | |
| VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS | | 12 | | |
| SPECIAL ADJUSTMENTS | | -- | | |
| ALL OTHER WORK | | 57 | | |
| TOTALS | | 75 | | |
| PRE-VERIFICATION BY F. L. Saunders, R. G. Roberson | BEGINNING DATE 03/18/75 | ENDING DATE 05/28/75 | | |
| VERIFICATION BY R. R. Hill | BEGINNING DATE 09/17/76 | ENDING DATE 04/23/77 | | |
| REVIEW BY | BEGINNING DATE | ENDING DATE | | |

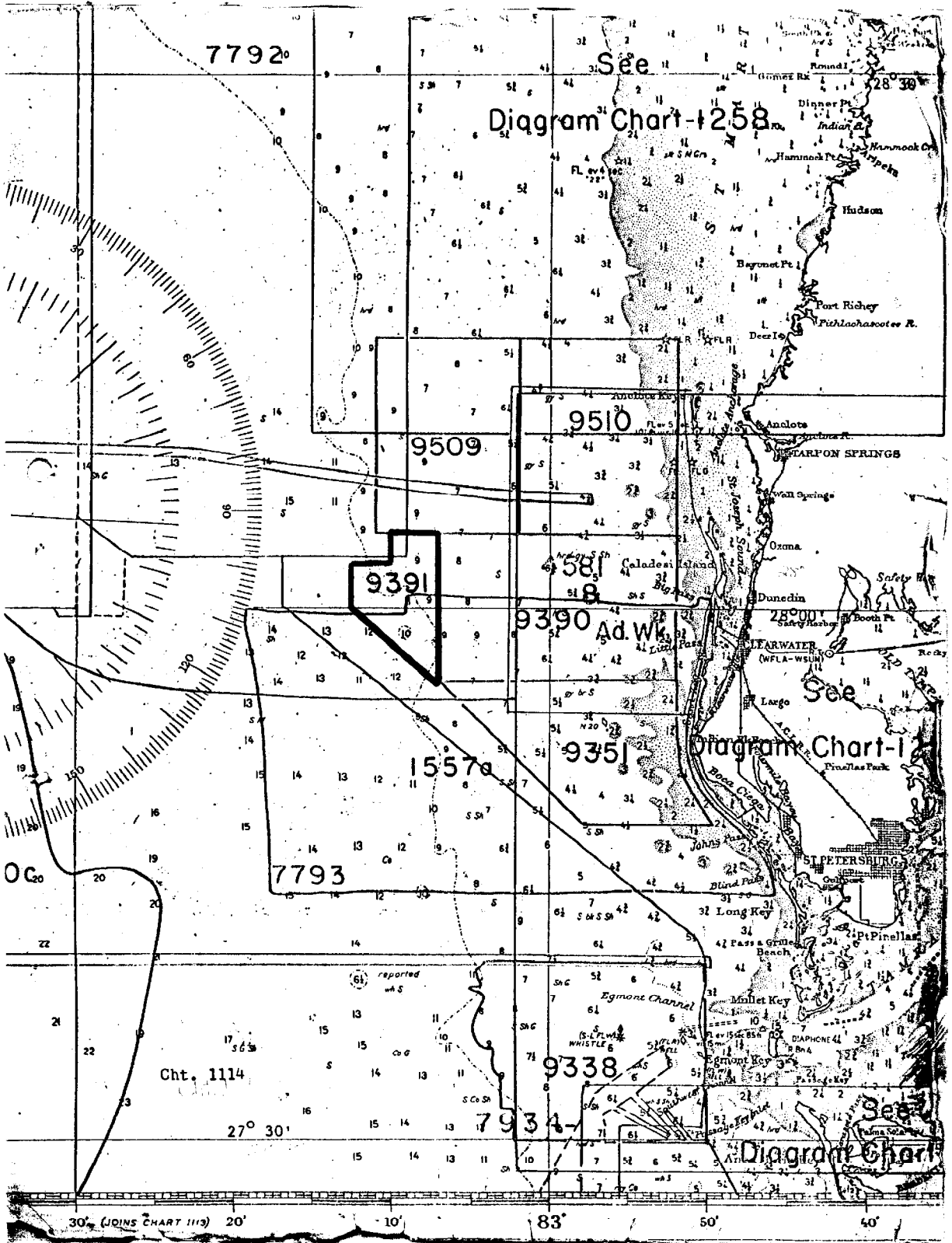
Verification Note
Category II Survey H-9391 (HSL-20-3-73)

This survey is considered to be an excellent basic survey. Hydrography adequately delineates the bottom features of the surveyed area and soundings at crossings are in good agreement.

During verification of the Smooth Sheet this office encountered very few errors and no major problems. However, the least depth on the only Pre-survey Review Item listed was not verified or disproved. This item, a wreck charted as cleared to five fathoms, was investigated by the hydrographer and believed to be located at latitude $27^{\circ} 57' 12''$, longitude $83^{\circ} 07' 20''$ (charted at latitude $27^{\circ} 56.8'$, longitude $83^{\circ} 07.5'$). An inspection of the fathograms for day 158 (vessel 1255, position number 1252) reveals a least depth of 53 feet, which does not agree with the charted five fathoms. It is recommended that wire drag of this area be conducted to obtain the least depth.

Norfolk, Virginia
April 22, 1977

William L. Jonns
William L. Jonns
Chief, Verification Branch
AMC



7792°

Diagram Chart-1258

9509

9510

9391

9390

1557

9351

7793

9338

7934

Cht. 1114

27° 30'

30' (JOINS CHART 1113) 20' 10' 83° 50' 40'

83° 08' 30"

83° 08' 00"

83° 07' 30"

27° 57' 00"

27° 57' 00"

27° 56' 30"

27° 56' 30"

L 83° 08' 30"

83° 08' 00"

83° 07' 30"

1202 1203 1204 1205 1206

1232 1233 1234 1235 1236 1237 1238

1222 1223 1224 1225 1226 1227

1212 1213 1214 1215 1216 1217 1218

1209 1209 1209 1209 1208

H-9391
1:10,000

83° 08' 30"

83° 08' 00"

83° 07' 30"

27° 57' 00"

27° 57' 00"

27° 56' 30"

27° 56' 30"

83° 08' 30"

83° 08' 00"

83° 07' 30"

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H-9391
 1:10,000

Verification Note
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Norfolk, Virginia
April 22, 1977

William L. Jonns
William L. Jonns
Chief, Verification Branch
AMC

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-9391

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 |
|-------|------------|---------------------|---|
| 11013 | 4-27-84 | Ken Kauscher | Adequate Review Full Part Before After Verification Review Inspection Signed Via Drawing No. 45 |
| 11400 | 11 July 84 | D.M. PERKINS DLP | Adequate Review Full Part Before After Verification Review Inspection Signed Via Drawing No. 34 |
| | | | Full Part Before After Verification Review Inspection Signed Via Drawing No. |
| | | | Full Part Before After Verification Review Inspection Signed Via Drawing No. |
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