9358

Diag. Cht. Nos. 1244 & 1245.

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. ...742-40-3-73.....

Office No. H-9358.....

LOCALITY

State ..Florida.....

General Locality Florida East Coast.....

Locality Off Ponce de Leon Inlet to Daytona Beach

1973-74

CHIEF OF PARTY
LCDR Fidel T. Smith

LIBRARY & ARCHIVES

DATE .....6-23-75.....

☆U.S. GOVERNMENT PRINTING OFFICE: 1974-763-098

9358

Chts
831R-SC 11" x 15"
1001
1007
1111
24
1245

FORM C&GS-537
(5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REGISTER NO.

H-9358

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.

7426-40-2-73

State Florida

General locality Florida East Coast

Locality Off Ponce de Leon Inlet to Daytona Beach

Scale 1:40,000 Date of survey Nov. 8, 1973-March 1, 1974

Instructions dated March 26, 1973 Project No. OPR-436-746-73

Vessel NOAA Launches 1257 and 1261

Chief of party LCDR Fidel Smith

Surveyed by LCDR J. Rolland, LTJG Bill Adams, LTJG Robin Wells

Soundings taken by echo sounder, hand lead, ~~wire~~

Graphic record scaled by Soundings digitized on line

Graphic record checked by Launch officers and survey technicians

Protracted by ~~CALCOM AMC~~ Automated plot by CALCOM 618 AMC

Soundings penciled by ~~CalCOM AMC~~

Soundings in ~~fathoms~~ feet at MLW ~~and LWOS~~

REMARKS:

USCOMM-DC 37009-P66

DESCRIPTIVE REPORT (H-9358)

A. PROJECT

This survey was accomplished under the following project instructions:

OPR-436-746-73 Coasts of Georgia and Florida
dated March 26, 1973
Change #1; Supplement to Instructions dated May 3, 1973
Change #2: Supplement to Instructions dated May 17, 1973

B. AREA SURVEYED

The area surveyed is in the general vicinity of Ponce de Leon Inlet, Florida, extending from Lat. 29 00N to 29 16N and from the 2 fathom curve offshore approximately 8 miles.

The survey was accomplished between November 8, 1973 and 1 March, 1974.

The survey junctions with the following contemporary surveys:

H-8879, 1:80,000, 1966
H-9344, 1:40,000, 1973

C-SOUNDING VESSEL

NOAA Launch 1257 (Hi-Speed Launch) and NOAA Launch 1261 (Uniflite) accomplished all sounding on this survey. All records are annotated with vessel number. Launch 1257 used black to identify records and launch 1261 used red. The composite boatsheet and other plots have blue for launch 1257 position numbers and sounding and black for launch 1261 position numbers and soundings.

D. SOUNDING EQUIPMENT

The following equipment was used by Launch 1257 for sounding on this survey:

Raytheon Fathometer Model DE723, SN 37024
Raytheon Digital Depth Monitor Model DE-723-41 SN 37016
Raytheon Electronic Cabinet Unit Model 723-42 SN 1910

The following equipment was used by Launch 1261 for sounding:

Raytheon Fathometer Model DE-723 SN 1279
Raytheon Digital Depth Monitor Model 723-41 SN 37012
Raytheon Electronic Cabinet Unit Model 723-42 SN 37013

Depths on this survey range from 8 to 71 feet.

Echo sounding corrections for each vessel were determined by a combination of bar checks and Beckman TDC data. Weather conditions were such in this area during November to January that it was not possible to get adequate bar checks to the depths needed. See Report on Corrections to Echo Soundings.

E. SMOOTH SHEET

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

F. CONTROL

Control on this sheet was by the Del Norte Technology Trisponder/202 system using the Model 210 Microwave Transponders operating in the range-range mode. A time share system was not originally provided so that it was necessary for the two launches to work in separate areas of the sheet.

Many problems were encountered using this system. Unfamiliarity with a new control system hampered initial operations. Numerous problems occurred from equipment failure, skip zones, signal blockage, possible frequency drift of the units, and equipment malfunctions that were not failures but more subtle, at the time undefined, problems. The hydroplot lane jump routine was normally turned off during this survey. A position plot is needed to smooth the lines. Refer to Electronic Control Report for more detailed information on control problems.

Calibrations were obtained by three-point sextant fixes on natural objects. Refer to form CFN3-2 and various abstracts for stations used and days of use. Refer to Signal List for station locations and method of location.

G. SHORELINE

The low water line was not developed. Instructions stated the survey was to extend inshore to 2 fathoms, however, lines running perpendicular to the beach were run with Launch 1261 as close as water depth would allow. Ponce de Leon Inlet was not adequately surveyed due to the difficulty (rough water) and unstable nature of the area. The shoal areas are constantly shifting. In addition the inlet was surveyed by the U.S. Corps of Engineers in January 1974 and dredging is to be done.

H. CROSSLINES

Crosslines were run at 9% of the normal system of sounding lines exclusive of development.

Crosslines agreed generally within 1 to 2 feet. Only minor attempts were made to resolve discrepancies. Sea conditions during the period of this survey were generally marginal for hydrography. Launch 1257 (59 feet) could work in this area and produce generally acceptable hydrography on good days. Acceptable working days for Launch 1261 (31 feet) were more rare as following seas presented scanning problems (see fathograms).

I. JUNCTIONS

Junction with H-8879 was made on the offshore (eastern) edge of this survey. Soundings from this survey are generally 3 to 5 feet shoaler than those on H-8879 (velocity correction of approximately +3 feet in 60 feet not considered). Some larger disagreement is noted in the northern third of the survey. Differences are caused by line spacing, lack of development on 80,000 scale, and transfer from 80,000 scale H-8879 to this survey.

Junction by Launch 1261 was made along the southern edge of this survey near Latitude 29 00'N. The 60 foot depth curve agreed well. Soundings on H-9358 were generally 1 foot deeper than those on H-9344 (velocity corrections not considered).

J. COMPARISON WITH PRIOR SURVEYS

The following are presurvey review items:

The 57 foot charted sounding at 29 05' 24"N; 80 52' 43" was not developed and no indication of this item was indicated on the normal sounding pattern.

The 58 foot sounding at 29 07' 00"N; 80 53' 28"W was developed at 100 meter spacing and a shoalest depth of 59 was obtained on day 022 between position 1311 and 1316.

The fish haven and charted wreck near 29 09' 25"N; 80 53 30"W were developed on day 347 with N-S 100 meter spacing between position numbers 1157 and 1174. A least depth of 52 feet was obtained. On day 022 position 1310 a buoy was located probably marking the fish haven charted as PA. It was reported to the party that the second charted buoy was taken off station by a vessel (completely removed or destroyed). The area near the buoy located was not developed.

The 39 foot item charted at 29 10' 10"; 80 52' 11"---- A least depth of 34 feet was located at 29 10' 08; 80 51' 53" at position 1186 and verified by leadline. 35 FT ON SMOOTH SHEET

The 37 foot item in Lat. 29 10' 43", Long. 80 52' 14"----A least depth of 35 feet was located at 29 10' 35"; 80 51' 59" on GOOD

day 347, 2nd out of position 1214. We were unable to verify with leadline on day 022. SEEM GOOD NOT FAR OUT ∴ PLOTTED ON SS

The 39 foot item in Lat. 29 11' 30"; 80 52' 15"----A least depth of 37 feet (29 11' 22"; 80 52' 16") was located at the 2nd out of position 459. SMOOTH SHEET 37

The 43 foot item in Lat. 29 12' 08"; 80 52' 12"----A least depth of 40 feet was located at 29 12' 18"; 80 52'06". SMOOTH SHEET 42 Pos 377+5 42' Pos 704+8 42' Pos 1191+2 45'

The 57 foot item at 29 12' 25"; 80 51' 00"----A least depth of 54 feet was obtained in this area at position 331. SMOOTH SHEET 56 (331) also 56 ON ADJACENT LINE (352+1)

The 59 foot item at 29 02' 54"; 80 45' 39"----A least depth of 55 was found in this area. SMOOTH SHEET 56 Pos 5284+ SUBSTANTIATED BY 58 ADJACENT LINE

Presurvey review item #40 Fish haven buoys.
Only two of the indicated fish haven buoys were found on 060 day:

1-Spherical orange with white band, 5-6 feet in diameter and in 69 feet of water at 29 09' 11"N; 80 49' 32"W (position 6277)

2-Spherical orange with white band 2-3 feet in diameter and in 69 feet of water at 29 09' 19"; 80 49' 37" (position 6278)

No comparison was made with prior surveys. Surveys H-4804 and H-4485 done at 1:40,000 in 1928 and 1925 cover this area. Survey H-4477 at 1:20,000 covers the nearshore area.

K. COMPARISON WITH THE CHART

Comparison was made with Chart 1245, 9th Edition May 1973.

A least depth of 47 feet (velocity correction not applied) was found in the area of the charted 48' at 29 03' 30"; 80 47.15'.

The 60 foot depth curve generally agrees considering that a velocity correction of approximately 3 feet is to be applied to the boat sheet soundings.

No significant new dangers to navigation were found.

Comparison was made with Chart 1244, 6th Edition, August 4, 1973.

A least depth of 41 feet (velocity correction not applied) was obtained at 29 13.0; 80 55.85, in an area with a charted 48 foot depth. This sounding was obtained on day 318 and verified on day 022.

No other significant features were observed other than those discussed in section J under presurvey review items.

L. ADEQUACY OF THE SURVEY

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

M. AIDS TO NAVIGATION

Aids to navigation in Ponce Inlet were located as follows:

Black Can "3" unlighted (29/04/34; 80/54/12) position 5942
Red Nun "4" unlighted (29/04/37; 80/54/18) position 5939

These buoys are not charted as they are frequently shifted in position; this practice is warranted.

Lighted Bell Buoy "2" (LL#49, Fl.W.;4s, 29/04/41; 80/53/46) is the Sea Buoy for Ponce Inlet. Pos 6338

A chart published by the Daytona Sport Fishing Club is included with the survey which gives additional data on privately maintained aids and landmarks.

N. STATISTICS

	1257	1261
Number of positions	1400	1026
Total NM of sounding line	849.2	589.9
Nautical miles of crossline	83.7	45.4
Nautical miles of development	34.3	41.0
Miscellaneous distance run	152	94
Nautical miles to and from	278	170
Bottom samples	16	0

O. MISCELLANEOUS

The entrance to Ponce de Leon Inlet was not surveyed. The area is unstable and subject to continual shifting of shoal areas.

The original parameter tape used to plot days 335 and 336 had an error in longitude for station 206 (a value of 81 02' 18.89" was used instead of 81 02' 18.18"). The calibrations were recomputed and new corrector tapes made. The original boatsheet and the 1: 20,000 scale central overlay were not replotted.

P. RECOMMENDATIONS

None

Q. REFERENCES TO REPORTS

1-Electronic Control Report, OPR-436 East Coast of Florida (H-9358)
2-Report on Correction to Echo Soundings (H-9358)

*** VELOCITY TAPE PRINTOUT ***

✓ Wells

LAUNCH 1261 40-2-73

```
000100 0 0000 0001 000 126100 009358
000157 0 0002
000208 0 0004
000262 0 0006
000313 0 0008
000367 0 0010
000420 0 0012
000473 0 0014
000523 0 0016
000578 0 0018
000630 0 0020
000683 0 0022
000720 0 0024
999999 0 0026
```

Vwells

** TC/TI H9358 **

```
143737 0 1007 0001 352 126100 009358
144037 0 1004
171819 0 1006
182355 0 1002
193855 0 0001
173609 0 0001 0001 007 126100 009358
134738 0 1002 0001 008 126100 009358
173900 0 0006 0001 009 126100 009358
174000 0 1002
181403 0 1006
182931 0 0001
183312 0 1004
192729 0 1002
193219 0 1001
195311 0 1006
202026 0 1002
204910 0 1006
205133 0 1002
153418 0 1006 0001 017 126100 009358
132814 0 1007 0001 018 126100 009358
151606 0 1006
162634 0 1002 0001 023 126100 009358
171605 0 1006
182615 0 1002
134320 0 0006 0001 024 126100 009358
134650 0 0001
135520 0 0006
141103 0 1002 0001 029 126100 009358
153857 0 0001
131013 0 0001 0001 043 126100 009358
183756 0 0006
141529 0 1002 0001 044 126100 009358
144438 0 1002 0001 045 126100 009358
```

```
000250 0 0010 0001 000 125700 009358
000295 0 0012
000335 0 0014
000375 0 0016
000415 0 0018
000455 0 0020
000495 0 0022
000533 0 0024
000573 0 0026
000612 0 0028
000652 0 0030
000692 0 0032
000732 0 0034
999999 0 0036
```

VELOCITY TABLE 1 (1257)

```
000349 0 0012 0002 000 125700 009358
000400 0 0014
000445 0 0016
000495 0 0018
000545 0 0020
000593 0 0022
000642 0 0024
000692 0 0026
000740 0 0028
999999 0 0030
```

VELOCITY TABLE 2 (1257)

```
154051 0 0000 0001 312 125700 009358
154141 0 0000 0002 344 125700 009358
132603 0 0000 0001 031 125700 009358
```

TC/T1 TAPE

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Rockville, Md. 20852

Date: June 29, 1971

Reply to Attn of: C3312-128-NOAAS

Subject: Requested Tidal Data

To: Officer-in-Charge
NOAA Launch 1257

Hourly heights for Fort Pulaski, Ga., for the period March 1 - April 25, 1971, are enclosed.

Hourly heights for Charleston for the period March 1 - April 2, 1971, to be used for Edisto Beach, are enclosed. Use a range factor of 1.1 and -½ hour for time of tide.

Martha A. Winn

Martha A. Winn
Chief, Tides Section
Oceanography Division
National Ocean Survey

Enclosures

8/28/74

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

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

Period: October 1973 - February 1974

HYDROGRAPHIC SHEET: H9358

OPR: 436/437

Locality: Atlantic Ocean, Florida Coast

Plane of reference (mean ~~lower~~ low water): 2.1 ft.

Height of Mean High Water above Plane of Reference is 4.0 ft.

Remarks: Zone direct.

James R Hubbard
for Chief, Oceanographic Div.

ATLANTIC MARINE CENTER
VERIFICATION OF SMOOTH TIDES

SURVEY H-9358

PLANE OF REFERENCE: (MLW) OR MLLW
TIME MERIDIAN: 0 GMT
HEIGHT DATUM ON STAFFS: 1. 2.1 2. _____ 3. _____ 4. _____

TIDE STATIONS	POSITION	TYPE GAGE	TIME CORR. H.W.	TIME CORR. L.W.	HEIGHT CORR.* H.W.	HEIGHT CORR.* L.W.
1. Daytona Beach Fla.	φ 25° 08.8' λ 80° 57.7'					
2.	φ λ					
3.	φ λ					
4.	φ λ					

HOURLY HEIGHTS: [✓] FROM ROCKVILLE OFFICE
[ ] FROM FIELD MARIGRAMS VERIFIED BY: Rockville

TIDE ZONING: [✓] NOT APPLICABLE
[ ] BY COMPUTER
[ ] FROM TWO OR MORE GAGES

LIMITS AND DESCRIPTION OF ZONING METHODS:

TIDE CORRECTIONS COMPILED: [✓] BY COMPUTER VERIFIED BY: GFT
[ ] MANUALLY VERIFIED BY: _____

HEIGHT OF MHW ABOVE PLANE OF REFERENCE: 4.0

TIDE CORRECTIONS VERIFIED ON SOUNDING PRINTOUT BY: GFT

DATE OF VERIFICATION: 9/10/74

*OR RATIO

EXAMINED AND APPROVED

1/31/74

ATLANTIC MARINE CENTER

PROJECTION PARAMETERS

POLYCONIC OR MODIFIED TRANSVERSE MERCATOR

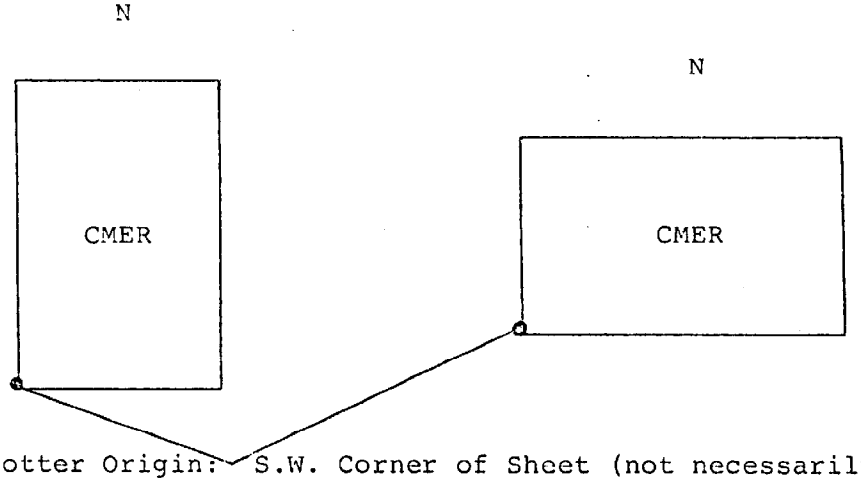
1. Project No. OPR 436
2. Reg. No. H-9358
3. Field No. 7426-40-73
4. Requested By Verification Branch
5. Ship or Office Atlantic Marine Center
6. Date Required ASAP

7. Polyconic [x] Modified Transverse Mercator [ ]
8. Central Meridian of Projection 80 ° 52 ' 00 "
9. Survey Scale: 1:40,000
10. Size of Sheet (check one):

    36 x 54 [ ] 36 x 60 [ ] Other [x] Specify 36 x 42

11. Sheet Orientation (check one):

    NYX = 1 [1] NYX = Ø [ ]



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

    Latitude 28 ° 56 ' 00 "

    Longitude 81 ° 03 ' 00 "

13. G.P.'s of triangulation and/or signals attached [ ]
14. Material Desired: Tracing Paper [ ] Mylar [x]

    Smooth Sheet [x] Other [ ] Specify _____

15. Remarks: _____

CENS-3
3-25-71

ATLANTIC MARINE CENTER

TIDE NOTE

1. Project No: OPR-436 2. Vessel/Field Unit: LAUNCH 1257 AND 1261 ~~HEATH~~

3. Year: 1973-1974 4. Meridian Time Zone: GMT

5. Tide Station Name: DAYTONA BEACH OCEAN

6. Position: Lat. 29 ° 08.8 ' Long. 80 ° 57.7 '

7. Plane of Reference: ☑ MLW, ☐ MLLW corresponds to _____ feet on the tide staff for the period _____.

8. Hourly Heights: ☑ Standard Gauge, furnished from Rockville.

☐ Scaled and logged from field marigrams.

9. Tidal Zoning: ☐ Not applicable.

☐ By two or more gauges automatically zoned.

☐ By applying tidal differences and constants

for the area(s): a. _____

TIME (Hour, Minute)		HEIGHT (Feet)		HEIGHT RATIO (If Applicable)	
High Water	Low Water	High Water	Low Water	High Water	Low Water

b. _____

TIME (Hour, Minute)		HEIGHT (Feet)		HEIGHT RATIO (If Applicable)	
High Water	Low Water	High Water	Low Water	High Water	Low Water

c. Include additional areas on separate sheet(s).

10. Remarks: _____

The following is a list of signals that should be plotted on the sounding overlay and origin of the signal numbers. All other signals should be deleted.

Plot Signals	Delete Signals
234 W.	216
208 N.W.	220
246 W.	228
206 S.E.	328
224 W.	326
116 W.	332
106 W.	248
300 W.	
310 W.	108
240 W.	175
320 W.	160
324 W.	
330 W.	
100 W. ▲Tri.	

Signal List						Source
100	29	04	4930	080	55	4181	PONCE DE LEON LIGHTHOUSE, CENTER, 1934
106	29	02	3048	080	53	5268	RESECTION (SOUNDING VOLUME 1, LAUNCH 1257)
108	29	01	3532	080	53	2201	RESECTION (SOUNDING VOLUME 1, LAUNCH 1257)
116	29	00	0590	080	52	2479	3 RD ORDER TRAVERSE
124	28	57	5068	080	50	5516	3 RD ORDER TRAVERSE
160	28	59	3180	080	54	2560	NORTH EDGEWATER TANK (PHOTO POSITION)
175	29	01	3700	080	55	2126	NEW SMYRNA BEACH MUNICIPAL WATER TANK, 1956
196	29	21	0473	081	04	0731	3 RD ORDER TRAVERSE
200	29	19	1561	081	03	1331	3 RD ORDER TRAVERSE
204	29	18	4275	081	02	5722	3 RD ORDER TRAVERSE
208	29	17	2395	081	02	1889	3 RD ORDER TRAVERSE
212	29	16	4619	081	03	4631	ORMOND MUNICIPAL WATER TANK, CENTER, 1934
216	29	16	0006	081	01	3766	3 RD ORDER TRAVERSE
220	29	14	4354	081	02	2003	HOLLY HILL, TANK, 1934
224	29	15	2279	081	01	1966	3 RD ORDER TRAVERSE
228	29	13	3653	081	00	2451	3 RD ORDER TRAVERSE
232	29	09	5749	080	58	3649	3 RD ORDER TRAVERSE
234	29	09	5755	080	58	3694	SHORT TRAVERSE (SOUNDING VOLUME 1, 1257)
240	29	08	4729	080	57	5211	3 RD ORDER TRAVERSE
246	29	06	3335	080	56	3896	SHORT TRAVERSE (SOUNDING VOLUME 1, LAUNCH 1257
248	29	06	3307	080	56	3877	3 RD ORDER TRAVERSE
300	29	05	3755	080	55	5857	3 RD ORDER TRAVERSE
310	29	08	0000	080	57	3090	3 RD ORDER TRAVERSE
320	29	10	2208	080	58	4831	3 RD ORDER TRAVERSE
324	29	11	0974	080	59	1332	3 RD ORDER TRAVERSE
326	29	11	5503	080	59	3641	3 RD ORDER TRAVERSE
328	29	12	3484	080	59	5616	3 RD ORDER TRAVERSE
330	29	12	5906	081	00	0799	3 RD ORDER TRAVERSE

ELECTRONIC CORRECTOR ABSTRACT

VESSEL : 1257 SHEET : H-9358

TIME	DAY	PATTERN 1	PATTERN 2
154051	312	+00043	-00023
183717		+00043	-00019
194507		+00043	-00015
205010		+00043	-00011
~~5812~~	~~+00042~~	~~-00011~~	
235959		+00043	-00009
152655	313	+00041	-00013
162706		+00042	-00009
171544		+00042	-00006
235959		+00042	-00006
~~5959~~	~~+00040~~	~~-00006~~	
141331	318	+00059	-00021
161401		+00059	-00019
181421		+00059	-00017
235959		+00058	-00016
142755	324	-00016	+00009
235900		-00016	+00009
141059	330	-00018	+00014
235959		-00018	+00014
145124	331	-00015	+00011
235959		-00015	+00011
143019	335	-00006	-00002
235959		-00006	-00002
135046	336	-00013	-00001
235959		-00013	-00001
151943	338	-00005	+00004
235959		-00005	+00004
154141	344	-00007	-00013
154821		-00007	-00013
235959		-00007	-00013
140914	346	-00010	-00020
235959		-00010	-00020
141400	347	-00010	-00016

ELECTRONIC CORRECTOR ABSTRACT

VESSEL : 1257 SHEET : H-9358

TIME	DAY	PATTERN 1	PATTERN 2
50822	347	-00010	-00016
155500		-00010	-00016
161756	347	-00010	-00016
235959		-00010	-00016
143625	348	-00021	-00008
235959		-00021	-00008
164334	022	-00028	-00017
164917		-00028	-00017
183705		-00028	-00017
192141		-00028	-00017
225959		-00028	-00017
132603	031	-00029	-00016
173129		-00029	-00016
235959		-00029	-00016

L

ELECTRONIC CORRECTOR ABSTRACT

VESSEL : 1261 SHEET : 7426-40-2-73

TIME	DAY	PATTERN 1	PATTERN 2
143737	352	-00066	-00048
235959		-00066	-00048
173609	007	+00006	+00004
235959		+00006	+00004
134738	008	+00010	+00002
135558		+00010	+00002
235959		+00010	+00002
173930	009	+00004	+00004
235959		+00004	+00004
153418	017	+00006	+00001
235959		+00006	+00001
162634	023	-00010	-00050
235959		-00010	-00050
184332	023	-00007	-00060
235959		-00007	-00060
132814	018	+00008	-00017
235959		+00008	-00017
134320	024	-00008	-00008
235959		-00008	-00008
141103	029	-00018	+00000
235959		-00018	+00000
131013	043	-00042	-00022
164724		00030	-00036
235959		-00030	-00036
161529	044	-00028	-00033
173305		-00028	-00033
183058		-00028	-00024
190422		-00028	-00024
235959		-00028	-00024
1444#38	045	-00032	+00041
160729		-00032	-00035
235959		-00032	-00035

*

CFN3-2
2-22-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-436 2. Reg. # H-9358 3. Field # 7426-40-2-73

4. Type of Control: Del Norte (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 1498.35 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] CONTROL TYPE 101 Range-Visual [ ]

Range One (R_1)		Lat.	29 °	09 '	57.55 "
Station I.D.	Signal 234	Long.	80 °	58 '	36.94 "
Range Two (R_2)		Lat.	29 °	17 '	23.95 "
Station I.D.	Signal 208	Long.	81 °	02 '	18.89 "

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

Slave One		Lat.	°	'	"
Station I.D.		Long.	°	'	"
Master		Lat.	°	'	"
Station I.D.		Long.	°	'	"
Slave Two		Lat.	°	'	"
Station I.D.		Long.	°	'	"

7. Location of Survey:

Range-Range [X] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [X] A=Ø

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. [X] This form is submitted as an aid in preparing a ~~boat~~ smooth sheet.

[ ] This form applies to all data on this survey.

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

Vessel EDP #	From Time	Day	To Time	Day	Position Numbers (inclusive)		
1257	154116	312	214821	312	1	to	133
1257	152625	313	185014	313	134	to	215
1257	141331	318	201041	318	216	to	364

9. Remarks:

CFN3-2
2-22-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-436 2. Reg. # H-9358 3. Field # 7426-40-2-73

4. Type of Control: Del Norte (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 1498.35 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] CONTROL TYPE 102 Range-Visual [ ]

Range One (R_1)					
Station I.D.	Signal 246		Lat.	29° 06' 33.35"	
			Long.	80° 56' 38.9555	
Range Two (R_2)			Lat.	29° 17' 23.95"	
Station I.D.	Signal 208		Long.	81° 02' 18.89"	

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

Slave One		Lat.	° ' "
Station I.D.		Long.	° ' "
Master		Lat.	° ' "
Station I.D.		Long.	° ' "
Slave Two		Lat.	° ' "
Station I.D.		Long.	° ' "

7. Location of Survey:

Range-Range [X] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [X] A=Ø

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. [X] This form is submitted as an aid in preparing a smooth sheet.

[ ] This form applies to all data on this survey.

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

Vessel EDP #	From Time	From Day	To Time	To Day	Position Numbers (inclusive)
1257	142755	324	204837	324	365 to 506
1257	141059	330	201249	330	507 to 631
1257	145124	331	171147	331	632 to 690

9. Remarks:

CFN3-2
4-6-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-436 2. Reg. # H-9358 3. Field # 7426-40-2-73

4. Type of Control Del Norte (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 1498.35 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] CONTROL TYPE 103 Range-Visual [ ]

Range One (R_1)			Lat.	29° 06' 33.35"	
Station I.D.	Signal 246		Long.	80° 56' 38.955"	
Range Two (R_2)			Lat.	29° 17' 22.51"	
Station I.D.	Signal 206		Long.	81° 02' 18.18"	

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

Slave One		Lat.	° ' "
Station I.D.		Long.	° ' "
Master		Lat.	° ' "
Station I.D.		Long.	° ' "
Slave Two		Lat.	° ' "
Station I.D.		Long.	° ' "

7. Location of Survey:

Range-Range [X] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [X] A=Ø

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. [X] This form is submitted as an aid in preparing a ~~boat~~ smooth sheet.

[ ] This form applies to all data on this survey.

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

Vessel EDP #	From Time	From Day	To Time	To Day	Position Numbers (inclusive)
1257	143019	335	164851	335	691 to 742
1257	135046	336	173224	336	743 to 840
					to

9. Remarks:

CFN3-2
4-6-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-436 2. Reg. # H-9358 3. Field # 7426-40-2-73

4. Type of Control Del Norte (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 1498.35 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] CONTROL TYPE 104 Range-Visual [ ]

Range One (R_1) Station I.D.	Signal 246	Lat.	29° 06' 33.35"	
		Long.	80° 56' 38.955"	
Range Two (R_2) Station I.D.	Signal 224	Lat.	29° 15' 22.79"	
		Long.	81° 01' 19.67"	

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

Slave One Station I.D.		Lat. ° ' "
		Long. ° ' "
Master Station I.D.		Lat. ° ' "
		Long. ° ' "
Slave Two Station I.D.		Lat. ° ' "
		Long. ° ' "

7. Location of Survey:

Range-Range [X] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [X] A=Ø

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. [X] This form is submitted as an aid in preparing a smooth sheet.

[ ] This form applies to all data on this survey.

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

Vessel EDP #	From Time	From Day	To Time	To Day	Position Numbers (inclusive)
1257	151943	338	164010	338	841 to 848
1257	154141	344	203127	344	848 to 975
1257	140914	346	193949	346	976 to 1118
1257	141400	347	184715	347	1119 to 1215
1257	164334	022	200539	022	1286 to 1329

9. Remarks:

CFN3-2
4-6-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-436 2. Reg. # H-9358 3. Field # 7426-40-2-73

4. Type of Control Del Norte (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 1498.35 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] CONTROL TYPE 105 Range-Visual [ ]

Range One (R_1) Station I.D. Signal 116
Range Two (R_2) Station I.D. Signal 246

Lat.	29°	00'	05.90"
Long.	80°	52'	24.79"
Lat.	29°	06'	33.35"
Long.	80°	56'	38.95"

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

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

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

7. Location of Survey:

Range-Range [X] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [X] A=Ø

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. [X] This form is submitted as an aid in preparing a smooth sheet.

[ ] This form applies to all data on this survey.

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

Vessel EDP #	From Time	From Day	To Time	To Day	Position Numbers (inclusive)		
1257	143625	348	171840	348	1216	to	1285
1257	132603	031	192621	031	1330	to	1404
						to	

9. Remarks: _____

CFN3-2
4-6-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

launch 1261

1. Project # OPR- 439 2. Reg. # H- 9358 3. Field # 7426-40-2-73

4. Type of Control ~~Del Norte~~ (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 1498.35 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] Range-Visual [ ]

Range One (R_1) Lat. ° ' "
Station I.D. _____ Long. ° ' "
Range Two (R_2) Lat. ° ' "
Station I.D. _____ Long. ° ' "

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

Slave One Lat. ° ' "
Station I.D. _____ Long. ° ' "
Master Lat. ° ' "
Station I.D. _____ Long. ° ' "
Slave Two Lat. ° ' "
Station I.D. _____ Long. ° ' "

7. Location of Survey:

Coast of Florida, Ponce Inlet

Range-Range [x] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [x] A=Ø

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.

[x] This form applies to all data on this survey.

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

Vessel EDP #	From Time	From Day	To Time	To Day	Position Numbers (inclusive)	
						to
						to
						to

9. Remarks: See the attached sheets

STOCK NO. 37
(4-30-57)

Electronic Control Parameters
Abstract & Comments

Day	L. Stat.	R. Stat.	Daily Corr	Daily Corr R	Location R/R		From Pos	to Pos
352 *	116	106	-66	-48	A=Ø		5118	5284
007	116	246	+6	+4	A=Ø		5300	5370
008	116	246	+10	+2	A=Ø	Range - Range	5373	5530
009	116	246	+4	+4	A=Ø		5531	5626
017	116	246	+6	+1	A=Ø		5627	5678
018	116	246	+8	-17	A=Ø		5679	5841
023	116	106	-10	-50	A=Ø		5842	5875
023	116	246	-7	-60	A=Ø		5876	5929
024	106	246	-8	-8	A=Ø		5930	5975
029	116	246	-18	0	A=Ø		5976	6018
043	300	246	-42	-22	A=Ø		6018	6060
043	246	310	-30	-36	A=Ø		6073	6113

* This day's work was run on 20,000 scale & wrong day was entered. New tape was cut and two correctors Tapes are being submitted; one tape for 20,000 and one for 40,000 as spacing had to be adjusted. Area limits tape is included for plot on boat sheet.

044	246	240	-28	-33	A=Ø		6114	6158
044	246	320	-28	-24	A=Ø		6159	6202
045	324	224	-32	+41	A=Ø		6207	6224
045	246	330	-32	-35	A=Ø		6225	6264
060	330	406	-18	+01	A=0		6277	6337

NOAA 59-11

Electronic Control Parameters (Continued)
Station Positions

Station	Latitude	Longitude
116	29/00/0580	80/52/2479
106	29/02/3048	80/53/5268
246	29/04/3335	80/56/3896
300	29/05/3755	80/55/5857
310	29/08/0000	80/57/3090
240	29/08/4729	80/57/5211
320	29/10/2208	80/58/4831
324	29/11/0924	80/59/1332
224	29/15/2279	81/01/1966
330	29/12/5906	81/00/0799
406	29/19/1296	81/03/1203

*** PARAMETER TAPE PRINTOUTS ***

(H-9358)

File with printouts

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/00/05.90    STATION 116   CONTROL TYPE 105
S1LON=80/52/24.79
S2LAT=29/06/33.35    STATION 246
S2LON=80/56/38.96
Q=1498.35
VESNO=1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=28/58/00
PLON=80/48/00
S1LAT=29/00/05.90    STATION 116   CONTROL TYPE 106
S1LON=80/52/24.79
S2LAT=29/02/30.48    STATION 106
S2LON=80/53/52.68
Q=1498.35
VESNO=1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/02/30.48    STATION 106
S1LON=80/53/52.68                  CONTROL TYPE 107
S2LAT=29/06/33.35    STATION 246
S2LON=80/56/38.96
Q=1498.35
VESNO=1261
YR=74
```

STA 234 MOVED S & RENAMED 246
" 208 " SE (SAME Bldg) RENAMED 206 T. 2.

*** PARAMETER TAPE PRINTOUTS ***

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35    STATION 246
S1LON=80/56/38.96                    CONTROL TYPE 104
S2LAT=29/15/22.79    STATION 224
S2LON=81/01/19.66
Q=1498.35
VESNO=1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/12/59.06    STATION 330
S1LON=81/00/07.99
S2LAT=29/15/22.79    STATION 224
S2LON=81/01/19.66
Q=1498.35
VESNO=1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/11/09.74    STATION 324
S1LON=80/59/13.32                    CONTROL TYPE 112
S2LAT=29/15/22.79    STATION 224
S2LON=81/01/19.66
Q=1498.35
VESNO=1261
YR=74
```

*** PARAMETER TAPE PRINTOUTS ***

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35    STATION 246
S1LON=80/56/38.96                CONTROL TYPE 113
S2LAT=29/12/59.06    STATION 330
S2LON=81/00/07.99
Q=1498.35
VESNO=1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35    STATION 246
S1LON=80/56/38.96                CONTROL TYPE 111
S2LAT=29/10/22.08    STATION 320
S2LON=80/58/48.31
Q=1498.35
VESNO=1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/08/47.29    STATION 240
S1LON=80/57/52.11                CONTROL TYPE
S2LAT=29/15/22.79    STATION 224
S2LON=81/01/19.66
Q=1498.35
VESNO=1261
YR=74
```

*** PARAMETER TAPE PRINTOUTS ***

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35    STATION 246
S1LON=80/56/38.96                CONTROL TYPE 110
S2LAT=29/08/47.29    STATION 240
S2LON=80/57/52.11
Q=1498.35
VESNO=1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35    STATION 246
S1LON=80/56/38.96                CONTROL TYPE 109
S2LAT=29/08/00.00    STATION 310
S2LOON=80/57/30.90
Q=1498.35
VESNO?1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/05/37.55    STATION 300
S1LON=80/55/58.57                CONTROL TYPE 108
S2LAT=29/06/33.35    STATION 246
S2LON=80/56/38.96
Q=1498.35
VESNO=1261
YR=74
```

*** PARAMETER TAPE PRINTOUTS ***

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=28/58/00
PLON=80/48/00
S1LAT=29/00/05.90    STATION 116
S1LON=80/52/24.79
S2LAT=29/02/30.48    STATION 106
S2LON=80/53/52.68
Q=1498.35
VESNO=1261
YR=73
```

*** PARAMETER TAPE PRINTOUTS ***

AM 206 MULTI-STATION PLOT PARAMETER TAPE

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S01LAT = 29/05/37.55    STATION 300
S01LON = 80/55/58.57
S02LAT = 29/06/33.35    STATION 246
S02LON = 80/56/38.96
S03LAT = 29/08/00.00    STATION 310
S03LON = 80/57/30.90
S04LAT = 29/08/47.29    STATION 240
S04LON = 80/57/52.11
S05LAT = 29/10/22.08    STATION 320
S05LON = 80/58/48.31
S06LAT = 29/11/09.74    STATION 324
S06LON = 80/59/13.32
S07LAT = 29/12/59.06    STATION 330
S07LON = 81/00/07.99
S08LAT = 29/15/22.79    STATION 224
S08LON = 81/01/19.66
Q=1498.35
VESNO=1261
YR=74
```

*** AREA LIMITS TAPE ***

AREA LIMITS TAPE - OFF LINE PLOT - DAY 352

028 59 40 080 51 38
029 02 00 080 53 30
029 02 00 080 50 13
028 59 40 080 49 00
028 59 40 080 51 38

AREA LIMITS TAPE - ON LINE PLOT - DAYS 043, 044, 045

F 29/04/00.0 80/57/00.0 INSHORE NORTH OF PONCE INLET
T 29/04/55.0 80/54/00.0
T 29/09/30.0 80/56/55.0
T 29/10/00.0 80/56/50.0
T 29/10/50.0 80/57/25.0
T 29/10/48.0 80/58/08.0
T 29/16/30.0 81/00/55.0
T 29/15/00.0 81/03/00.0
T 29/04/00.0 80/57/00.0

AREA LIMITS TAPE - OFF LINE PLOT - DAYS 043, 044, 045

029 04 00 080 57 00 INSHORE NORTH OF PONCE INLET
029 04 55 080 54 00
029 09 30 080 56 55
029 10 00 080 56 50
029 10 50 080 57 25
029 10 48 080 58 08
029 16 30 081 00 55
029 15 00 081 03 00
029 04 00 080 57 00

** PARAMETER TAPE **

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/12/59.06     STATION 330
S1LON=81/00/07.99
S2LAT=29/19/12.96
S2LOON=81/03/12.03    STATION 406
Q=1498.35
VESNO?1261
YR=74
```

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/09/57.55
S1LON=80/58/36.94
S2LAT=29/17/23.95
S2LON=81/02/18.89
Q=1498.35
VESNO=1257
YR=73
```

SKEW 115, 22, 60

SIGNAL 234

SIGNAL 208

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35
S1LON=80/56/38.955
S2LAT=29/17/23.95
S2LON=81/02/18.89
Q=1498.35
VESNO=1257
YR=73
```

SKEW 115,22,60

SIGNAL 246

SIGNAL 208

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35
S1LON=80/56/38.955
S2LAT=29/17/22.51
S2LON=81/02/18.18
Q=1498.35
VESNO=1257
YR=73
```

SKEW 115,22,60

SIGNAL 246

SIGNAL 208

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35
S1LON=80/56/38.955
S2LAT=29/15/22.79
S2LON=81/01/19.66
Q=1498.35
VESNO=1257
YR=73
```

SKEW 115,22,60

SIGNAL 246

SIGNAL 224

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/06/33.35
S1LON=80/56/38.955
S2LAT=29/15/22.79
S2LON=81/01/19.66
Q=1498.35
VESNO=1257
YR=74
```

SKEW 115, 22, 60

SAME AS PREVIOUS TAPE ONLY DATE CHANGED

} SIGNAL 246

} SIGNAL 224

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=120
PLSCL=40000
PLAT=28/59/30
PLON=80/41/30
S1LAT=29/00/05.90
S1LON=80/52/24.79
S2LAT=29/06/33.35
S2LON=80/56/38.955
Q=1498.35
VESNO=1257
YR=73
```

SKEW 115, 22, 60

} 116

} 246

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=29/05/00
PLON=81/00/00
S1LAT=29/09/57.55
S1LON=80/58/36.94
S2LAT=29/17/23.95
S2LON=81/02/18.89
Q=1498.35
VESNO=1257
YR=73
```

CENTRAL 1:20,000 OVERLAY

SKEW 0, 22, 47

234 } 234

208 } 208

~~USED FOR DAY~~ NOT USED EXCEPT TO PLOT ORIGINAL GRID.

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=29/05/00
PLON=81/00/00
S1LAT=29/06/33.35
S1LON=80/56/38.955
S2LAT=29/17/23.95
S2LON=81/02/18.89
Q=1498.35
VESNO=1257
YR=73
```

246 } 246

208 } 208

USED FOR DAYS 330, 331

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=29/05/00
PLON=81/00/00
S1LAT=29/06/33.35
S1LON=80/56/38.955
S2LAT=29/17/22.51
S2LON=81/02/18.18
Q=1498.35
VESNO=1257
YR=73
```

246 } 246

206 } 206

USE FOR DAYS 335-336

(SEE NOTE IN DESCRIPTIVE REPORT SECTION O. MISCELLANEOUS)

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=29/05/00
PLON=81/00/00
S1LAT=29/06/33.35
S1LON=80/56/38.955
S2LAT=29/15/22.79
S2LON=81/01/19.66
Q=1498.35
VESNO=1257
YR=73
```

246 } 246

224 } 224

USED FOR DAYS 347, 022

029 09 30 080 53 00
029 09 30 080 51 00
029 11 00 080 51 00
029 11 00 080 53 00
029 09 30 080 53 00

AREA LIMITS TAPE USED TO PLOT DAYS 330, 331, 335, 336, 347, 022 ON 1:20,000 CENTRAL OVERLAY

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=29/10/30
PLON=81/02/00
S1LAT=29/09/57.55 } SIGNAL 234
S1LON=80/58/36.94 }
S2LAT=29/17/23.95 } SIGNAL 208
S2LON=81/02/18.89 }
Q=1498.35
VESNO=1257
YR=73
```

234 NORTHERN 80,000 OVERLAY
SPEED 0,25,40

USED FOR DAYS 313, 318

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=29/10/30
PLON=81/02/00
S1LAT=29/06/33.35 } SIGNAL 246
S1LON=80/56/38.955 }
S2LAT=29/17/23.95 } SIGNAL 208
S2LON=81/02/18.89 }
Q=1498.35
VESNO=1257
YR=73
```

246-208

USED FOR DAYS 324, 330, 331

```
FEST=35000
CLAT=3203000
CMER=80/51/30
GRID=60
PLSCL=20000
PLAT=29/10/30
PLON=81/02/00
S1LAT=29/06/33.35 } SIGNAL 246
S1LON=80/56/38.955 }
S2LAT=29/15/22.79 } SIGNAL 224
S2LON=81/01/19.66 }
Q=1498.35
VESNO=1257
YR=73
```

246-224

USED FOR DAYS 347, [redacted]

```
029 10 30 080 53 00
029 10 30 080 51 00
029 14 00 080 51 00
029 14 00 080 53 00
029 10 30 080 53 00
```

AREA LIMITS TAPE USED TO PLOT PLOT AREA FOR DAYS 313-318, 324, 330, 331, 347
FOR DAYS 313-318, 324

STOCK NO. 37
(4-30-57)

STATISTICS Abstract

Launch 1261

Day	Position	Cross Lines	Development	Sounding Lines	Total	From Pos	to Pos	Bar Checks	TDC
352	66	4	0	60.7	60.7	5118	5284	NO	NO
007	71	0	0	45.6	45.6	5300	5370	yes	NO
008	158	0	0	92.6	92.6	5373	5530	NO	NO
009	96	0	0	56.3	56.3	5531	5626	NO	NO
017	51	0	0	32.4	32.4	5627	5678	yes	yes
018	163	15.4	0	90.0	105.4	5679	5841	NO	yes
023	34	0	12.0	0	12.0	5842	5875	NO	NO
023	52	4.2	0	31.6	35.8	5876	5929	NO	NO
024	46	0	2.5.0	0	25.0	5930	5975	NO	NO
029	43	13.2		8.8	22.0	5976 Dup Position	6018	NO	NO
043	43	2.0	1	12.0	15.0	6018	6033	NO	NO
043	40	1.5	0	11	12.5	6073	6113	NO	NO
044	45	1.2	0	13	14.5	6114	6158	NO	NO
044	68	1.5	0	18	19.5	6159	6206	NO	NO
045	18	0	0	4	4	6207	6224	NO	NO
045	52	0	3	12	15	6225	6276	NO	NO
060	81	2.4	0	14.5	16.9	6277	6337	NO	NO
Totals		45.4	41.0	503.5	589.9				

NOAA FORM 75-44
(11-72)

OCEANOGRAPHIC LOG SHEET - M
BOTTOM SEDIMENT DATA

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

VESSEL	PROJ. NO.	YEAR	BOAT SHEET	CHECKED BY	DATE CHECKED
NOAA LAUNCH 1257	OPR-436	1973	7426-40-2-73 H-9358		

SERIAL NO.	DATE	SAMPLE POSITION LATITUDE	SAMPLE POSITION LONGITUDE	DEPTH feet (Fathoms)	WEIGHT OF SAMPLER	APPROX. PENETRATION	LENGTH OF CORE	COLOR OF SEDIMENT	FIELD DESCRIPTION	REMARKS (Unusual conditions, cohesiveness, dented cutter, stat. no., type of bottom relief i.e., slope, plain, disposition, etc.)	OBS. INIT.
#1	12/4/73	29 09 23	80 55 12	55	SAMPLES TAKEN WITH CLAMSHELL SAMPLER	—	—	bn	fine br S.	POSITION # 841	JR
#2	"	29 11 18	80 55 11	56				bn	fine br S,	# 842	
#3	"	29 13 06	80 55 15	54				bn	fine br S	# 843	
#4	"	29 15 07	80 55 14	61				bn	fine br S	# 844	
#5	"	29 15 03	80 52 52	58				bn	fine br S, brk Sh	# 845	
#6	"	29 13 06	80 52 53	51				bn	fine br S, brk Sh	# 846	
#7	"	29 10 59	80 52 49	56				br	fine br S, brk Sh	# 847	
#8	"	29 09 13	80 52 52	56				br	fine br S, brk Sh	# 848	
#9	1/3/74	29 06 33	80 48 51	65				br	brk Sh	# 1392	
#10	1/3/74	29 03 58	80 47 40	63				br	fine br S, brk Sh	# 1396	
#11	"	29 01 34	80 46 16	57				br	fine br S	# 1397	
#12	"	29 00 00	80 48 11	62				br	fine br. S	# 1398	
#13		29 02 31	80 49 28	62				br	fine br S, brk Sh	# 1399	
#14		29 05 06	80 50 51	61				br	fine br S, Sh	# 1400	
#15		29 05 02	80 53 41	56				dk br	fine dk br S. bk M	# 1401	
#16		29 02 31	80 52 40	39				br	fine br S	# 1401.4	
#17											

Use more than one line per sample if necessary.

☆ U.S. G.P.O. 1972-769-565/530 REG. #6

APPROVAL SHEET
SURVEY H-9358 (7426-40-2-73)

The field work, hydrographic records, and processing are complete and adequate.

Fidel T. Smith
LCDR, NOAA, OIC, AHP

NOAA FORM 76-155
(11-72)

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

SURVEY NUMBER

H-9358

GEOGRAPHIC NAMES

Name on Survey	A ON CHART NO.	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	
ATLANTIC OCEAN										1
DAYTONA BEACH										2
NEW SMYRNA BEACH										3
PONCE DE LEON INLET										4
										5
										6
										7
										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25

Approved
Chas. E. Harrington
Staff Geographer - C51x2
4 Dec. 1975

U.S. G.P.O. 1972-769-565/516 REG.#6

NOAA FORM 77-27
(9-72)
(PRESC. BY HYDROGRAPHIC MANUAL 20-2, 6-94, 7-13)

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

HYDROGRAPHIC SURVEY STATISTICS

HYDROGRAPHIC SURVEY NO. H-9358 (7426-40-2-73)

OPR-436

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

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET	1	BOAT SHEETS copy	
DESCRIPTIVE REPORT	1	OVERLAYS	7

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
Accordion ENVELOPES	2					1 misc.
CAHIERS			2			
VOLUMES		2				
BOXES						

T-SHEET PRINTS *(List)*

SPECIAL REPORTS *(List)*
Electronic Control Report, Correction to Echo Sounder Report.

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				2426
POSITIONS CHECKED		200		
POSITIONS REVISED		58		
DEPTH SOUNDINGS REVISED		142		
DEPTH SOUNDINGS ERRONEOUSLY SPACED		20		
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED		0		
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		0		
JUNCTIONS		4		
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		60		
SPECIAL ADJUSTMENTS		0		
ALL OTHER WORK		143		
TOTALS		207		

	BEGINNING DATE	ENDING DATE
PRE-VERIFICATION BY: G. D. Hendricks, W. H. Guy, H. R. Smith	June 10, 1974	October 7, 1974
VERIFICATION BY: Dorothy C. Calland	Nov. 11, 1974	February 7, 1975
REVIEW BY:	BEGINNING DATE	ENDING DATE

* U.S. G.P.O. 1972-769-562/439 REG.#6

NOAA FORM 76-97
(2-72)
(F S. BY HYDROGRAPHIC
JAL, 6-94)

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

VERIFIER'S REPORT

HYDROGRAPHIC SURVEY, H 9358 (7426-40-2-73) OPR-436

INSTRUCTIONS - This form serves to identify items of a check list in verification together with items which are separately reported to the Reviewer. The form is not to be forwarded to the Reviewer. A report, which is prepared for the Reviewer, should identify items by number and letter and will be filed in the Descriptive Report until the survey is reviewed.

CL - Check List Items: should be checked as having been completed during the verification processes.

R - Report Item: This column refers to those items reported to the reviewer and is used to indicate the items discussed.

Part I - DESCRIPTIVE REPORT	CL	R
Note: The verifier should first read the Descriptive Report for general information and problems.		
1. The Descriptive Report was consulted, paragraphs checked if found satisfactory, and notations were made in soft black pencil regarding action taken. Remarks Required: -- None	X	
2. Soundings originating with the survey and mentioned in the Descriptive Report have been verified and checked in soft black pencil, including latitude and longitude, together with position identification. Remarks Required: -- None	X	
3. All reference to survey sheets mentioned in the Descriptive Report should include registry number and year. Remarks Required: -- None	X	
Part II - SHORELINE AND SIGNALS		
/ ource of shoreline signals .emarks Required: -- List all surveys	NA	
a. Give earliest and latest dates of photographs		
b. Field inspection date		
c. Field Edit date		
d. Reviewed-Unreviewed		
5. The transfer of contemporary topographic information was carefully examined and reconciled with the hydrography. Remarks Required: -- Discuss remaining differences.	NA	
6. The plotting of all triangulation stations, topographic stations and hydrographic signals has been checked and noted in processing stamp No. 42 on the smooth sheet. Remarks Required: -- None	X	
7. Objects on which signals are located and which fall outside of the high-water line have been described on the sheet. Remarks Required: -- List those signals still unidentified.	NA	
Part III - JUNCTIONS		
Note: Make a cursory comparison preliminary to inking soundings in area of overlap.		
8. All junctions of contemporary or overlapping sheets were compared and overlapping curves were made identical. Remarks Required: -- None	X	
S e notation in slanted lettering "JOINS H---- ,9)" was added in colored ink for all verified contemporary adjoining or overlapping sheets. Those not verified are shown in pencil. Remarks Required: -- None	X	

Part III - JUNCTIONS (Continued)	CL	R
10. Junctions with contemporary surveys were satisfactory except as follows: Remarks Required: -- Consider conditions after adjusments have been made; note adjustments made. Make special notes of Butt junctions and areas which are **SUPERSEDED.**	X	
Part IV - VOLUMES		
11. All items affecting the plotting of the survey which are entered in the remarks columns of the sounding records were noted and check marked. In all cases appropriate action was taken and exceptions noted in the volumes. Remarks Required: -- None	X	
12. Condition of sounding records was satisfactory except as follows: Remarks Required: -- Mention deficiencies in completeness of notes or actions for the following:	X	
(a) rocks		
(b) line turns		
(c) position values of beginning and ending of lines		
(d) bar check or velocity correctors		
(e) time recording		
(f) notes or markings on fathograms		
(g) was reduction of soundings accurately done ?		
(h) was scanning accurate?		
(i) were peaks at uneven intervals missed?		
(j) were stamps completed?		
(k) references to adjacent features		
Part V - MACHINE PLOTTING		
13. All positions verified instrumentally were check marked in color in the sounding records, and verifier initialed the processing stamp. Remarks Required: -- None	X	
14. The plotting of all unsatisfactory crossings was verified. Remarks Required: -- None	None	
15. All detached positions locating critical soundings, rocks, buoys, breakers, obstructions, kelp, etc., were verified and the position numbers are legible. Remarks Required: -- None	X	

Part V - PROTRACTING (Continued)	CL	R
16. The protracting was satisfactory except as follows: Remarks Required: -- Refers to protracting in general except for specific faults repeated often, or faults in control information, which required considerable replotting or adjustments.	X	
17. The protractor has been checked within the last three months. Remarks Required: -- Date of check, type of protractor and number.	NA	
Part VI - SOUNDINGS		
18. All soundings are clear and legible, and critical soundings are a little larger than adjacent soundings. Remarks Required: -- None	X	
19. Sounding line crossings were satisfactory except as follows: Remarks Required: -- Discuss adjustments.	X	
20. The spacing of soundings as recorded in the records was closely followed; Remarks Required: -- None	X	
21. The scanning, reduction, spacing, plotting of questionable soundings have been verified. Remarks Required: -- None	X	
22. The smooth plotting of soundings was satisfactory except as follows: Remarks Required: — Refer to legibility, errors in spacing, and errors in numbers - but not to errors in scanning. Too many soundings had to be pulled out of excess. (575)		
Part VII - CURVES		
23. The depth curves have been inspected **before** inking. Remarks Required: -- By whom was the penciled curves inspected. HRS	X	
24. The low-water line and delineation of shoal areas have been properly shown in accordance with the following: a. From T-Sheet in dotted black lines b. From soundings in orange c. Approximate position of sketched curve is dashed orange d. Approximate position of shoal area not sounded in black dashed Remarks Required: -- None	NA	
25. Depth curves were satisfactory except as follows: (This statement should not refer to the manner in which the curves were drawn). Remarks Required: -- Indicate areas where curves could not be drawn completely because of lack of soundings. For some inshore areas a general statement is sufficient.	X	

Part VIII - AIDS TO NAVIGATION	CL	R
26. All fixed aids located together with those on the contemporary topographic sheets, have been shown on the survey. Remarks Required: -- Conflicts of any nature listed.	X	
27. All floating aids listed in the Descriptive Report should be verified and checked in soft black pencil, including latitude and longitude and position identification. Remarks Required; -- None	X	
Part IX - BOATSHEET		
28. The boat sheet was constantly compared with the smooth sheet with reference to notes, position of sounding lines and supplemental information. Remarks Required: -- None	X	
29. Heights of rocks awash were correctly reduced and compared with topographic information. Remarks Required: -- Note excessive conflicts with topographic information.	NA	
Part X - GENERAL		
30. All information on the sheet is shown in accordance with figures 82 and 83 in the Hydrographic Manual (Pub. 20-2). Remarks Required: -- None	X	
31. Unnecessary pencil notes have been removed from the sheet. Remarks Required: -- None	X	
32. Degree, minute values and symbols have been checked; also electronic distance arcs have been properly identified and checked on the smooth sheet. Remarks Required: — None	X	
33. The bottom characteristics are adequately shown. Remarks Required: -- None	X	
Part XI - NOTES TO THE REVIEWER		
34. Unresolved discrepancies and questionable soundings.	None	
35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.	None	
36. Supplemental information.		

Verified by	Date
Dorothy C. Calland	February 6, 1975

* U.S. G.P.O. 1972-769380/540 REG.#6

Verifier: Harry R. Smith October 3, 1974

VERIFIER'S NOTES

H-9358 7426-40-2-73 OPR-436

This branch has completed the verification of the sounding overlay for this survey. The following changes were made:

120 sounding changes
22 excess changes

Cards were punched and forwarded to EDP-AMC with the request for a smooth sheet.

William L. Jonns
Chief,
Verification Branch, AMC

H-9358

9/10/74

Verifier GFI

SOUNDING CORRECTORS CHECK LIST

Tides:

✓ Make out Verification form of Smooth Tides

✓ Check day (julian against calender) on hourly heights form (leap year

✓ Check time to ensure coverage for hydro run

✓ Check hourly heights form for any notes that indicate a value has to be applied to the tides. (each day)

✓ Check time meridan used for hourly heights

✓ Check Lat. and Long. of stations used; printout, hourly heights form and Descriptive Report

✓ Check Mean Low Water data used

✓ Check sounding printout for tide applied to soundings

✓ Check hourly height printout when ratio method is used

TRA, Velocity and TC/TI

✓ Check Descriptive report for corrections to be applied under TRA.

✓ Check before and after TRA printout for areas of errors

✓ Check sounding correctors printout for errors in TRA column

✓ Check Velocity printout with Descriptive Report Velocities

✓ Spot check velocity in sounding correctors printout

✓ Check TC/TI tape printout with descriptive report or corrections to echo soundings report

✓ Check Sounding Correctors Printout for sounding, tide and TRA errors.

VERIFICATION NOTES

Survey H-

General

There were no unusual problems with this survey and it appears to be an adequate basic survey. Soundings are in good agreement at crossings and the depth curves adequately delineate the bottom features of the area.

Norfolk, Virginia

William L. Johns
Chief, Verification Branch
AMC.

ATLANTIC MARINE CENTER
APPROVAL SHEET
FOR
AUTOMATED SURVEY H- 9358

A. All revisions and additions made on the smooth sheet during verification have been entered in the magnetic tape records for this survey. A new final position printout has/~~have not~~ been made. A new final sounding printout has/~~has not~~ been made.

Date: June 11, 1975

Signed: William L. Jonns
William L. Jonns

Title: Chief, Verification Branch

B. The verified smooth sheet has been inspected, is complete, and meets the requirements of the Hydrographic and AMC Manuals. Exceptions are listed in the verifier's report.

Date: June 16, 1975

Signed: Jeffrey G. Carlen

CDR Jeffry G. Carlen, NOAA
Title: Chief, Processing Division

CFN3-2
4-6-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-468 2. Reg. # H-9358 3. Field # 742-20-1-73

4. Type of Control Raydist (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 3306.4 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] Range-Visual [ ]

Range One (R_1)		Lat.	29 °	59 '	46.869"
Station I.D.	BILOXI BAYOU RM1	Long.	89 °	33 '	27.470"
Range Two (R_2)		Lat.	29 °	57 '	26.126"
Station I.D.	PROCTOR POINT 4	Long.	89 °	43 '	40.410"

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

Slave One		Lat.	°	'	"
Station I.D.		Long.	°	'	"
Master		Lat.	°	'	"
Station I.D.		Long.	°	'	"
Slave Two		Lat.	°	'	"
Station I.D.		Long.	°	'	"

7. Location of Survey:

Range-Range [X] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [X] A=Ø

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.

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

Vessel EDP #	From Time	From Day	To Time	To Day	Position Numbers (inclusive)		
7423	190500	24	191000	046	001	to	267
						to	
						to	

9. Remarks:

CFN3-2
4-6-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-468 2. Reg. # H-9358 3. Field # 742-20-1-73

4. Type of Control Raydist (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 3306.4 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] Range-Visual [ ]

Range One (R_1) Station I.D. PROCTOR POINT 4	Lat.	29 °	57 '	26.126	"
	Long.	89 °	43 '	40.410	"
Range Two (R_2) Station I.D. ALLIGATOR 2 1966	Lat.	30 °	01 '	58.853	"
	Long.	89 °	43 '	19.265	"

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

Slave One Station I.D. _____	Lat.	°	'		"
	Long.	°	'		"
Master Station I.D. _____	Lat.	°	'		"
	Long.	°	'		"
Slave Two Station I.D. _____	Lat.	°	'		"
	Long.	°	'		"

7. Location of Survey:

Range-Range [X] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [ ] A=Ø

Survey area is to observer's Left [X] 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.

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

Vessel EDP #	From Time	From Day	To Time	To Day	Position Numbers (inclusive)	
~~7423~~	~~191000~~	~~046~~	~~152000~~	~~059~~	~~3268~~	to 950
7421	152000	065	142000	072	4001	to 4157
~~7422~~	~~142000~~	~~068~~	205900	068	5001	to 5089

9. Remarks: _____

CFN3-2
4-6-71

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR-468 2. Reg. # H-9358 3. Field # 742-20-1-73

4. Type of Control Raydist (Hi-Fix, Raydist, EPI, etc.)

5. Frequency 3306.4 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] Range-Visual [ ]

Range One (R_1) Station I.D. PROCTOR POINT 4	Lat.	29 °	57 '	26.126 "
	Long.	89 °	43 '	40.410 "
Range Two (R_2) Station I.D. BILOXI BAYOU RM 1	Lat.	29 °	59 '	46.869 "
	Long.	89 °	33 '	27.470 "

Hyperbolic (3-station) [ ] Hyper-Visual [ ]

Slave One Station I.D. _____	Lat.	°	'	"
	Long.	°	'	"
Master Station I.D. _____	Lat.	°	'	"
	Long.	°	'	"
Slave Two Station I.D. _____	Lat.	°	'	"
	Long.	°	'	"

7. Location of Survey:

Range-Range [X] Imagine an observer is standing at R_1 Station and looking directly at R_2 (check one):

Survey area is to observer's Right [ ] A=Ø

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.

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

Vessel EDP #	From Time	From Day	To Time	To Day	Position Numbers (inclusive)	
7424	160500	037	203000	037	3001	to 3022
						to
						to

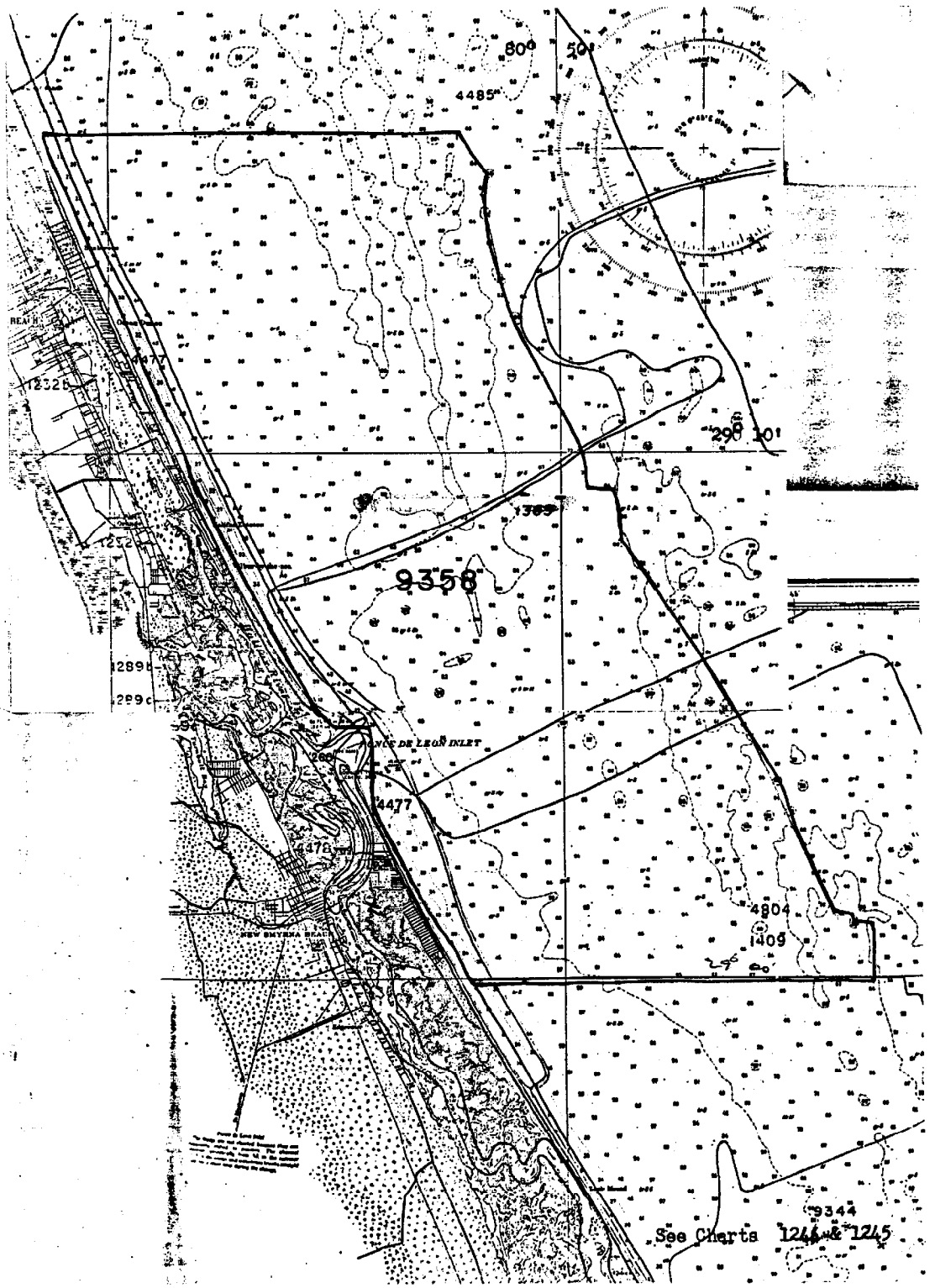
9. Remarks: _____

4/21/76

~~Ben~~ Attn: F Bowers

The (3) attached parameter control forms were inserted in the wrong D.R. Please file these with H-9358

Thanks
G. Myers


80°
50'
4485'
4477
12326
298
10'
1389
9358
12898
289c
PONCE DE LEON INLET
4477
4478
NEW SMYRNA BEACH
4804
1409
9344
See Charts 1246 & 1245

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. H-9358

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
11480 (1111)	9/15/75	J. Sherman	~~Full~~ Part Before ~~After Verification~~ Review Inspection Signed Via Drawing No. Applied Critical zones only
11485 8431	9-22-75	E Bodovinac	~~Full~~ Part ~~Before~~ After Verification ~~Review Inspection Signed Via~~ Drawing No. applied Critical zones
11485 843 A&B	4/5/76	K Mecum II	~~Full~~ Part ~~Before~~ After Verification ~~Review Inspection Signed Via~~ Drawing No. CATAGORY #1 ADEQUATELY APPLIED HYDRO
11486	4/7/76	K Mecum II	~~Full~~ Part ~~Before~~ After Verification ~~Review Inspection Signed Via~~ Drawing No. CATAGORY #1 ADEQUATELY APPLIED
11484	1 FEB 77	Max Budischerich	~~Inadequately~~ before ~~Full~~ Part ~~Before~~ After Verification ~~Review Inspection Signed Via~~ Drawing No. CATEGORY 1 Adequately
11480 ~~11009~~	5-13-80 6-17-82	Allen Dyke	~~Full Part~~ Before ~~After Verification~~ Review Inspection Signed Via Drawing No. 32
11009	6-17-82	B. Fowler	Full Part Before After Verification Review Inspection Signed Via Drawing No. 48 thru 11480
~~411~~	~~12-17-92~~	~~Ken Foster~~	
411	12-17-92	Ken Foster	~~Full~~ Part ~~Before~~ After Verification Review Inspection Signed Via Drawing No. 64 Exam-n/c scale.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63