9390

Diag. Cht. Nos. 1257-2 & 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-20-2-73.....

Office No......H-9390.....

LOCALITY

State .....Florida.....

General Locality ...~~Northwest~~ West Coast.....

Locality .....Off Clearwater ~~Pass~~.....

.....

1973

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

LIBRARY & ARCHIVES

DATE .....5/3/77.....

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

9390

Area 4

Charts
858
1257
1114

Area 4

INDEX

NOAA FORM 77-28 (11-72) | U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HYDROGRAPHIC TITLE SHEET

REGISTER NO. H-9390

FIELD NO. HSL-20-2-73

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

State Florida

General locality West ~~Northwest~~ Coast

Locality Off Clearwater ~~Pass~~

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

Instructions dated September 11, 1972 Project No. OPR 508-HSL-72

Vessel NOAA Launch 1257

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

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

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

Graphic record scaled by Digitizer

Graphic record checked by Launch Personnel Verification Branch (AMC)

Protracted by Hydroplot CALCOMP 61B (AMC) Automated plot by CALCOMP 61B (AMC)

Verification by ~~Hydroplot~~ L. G. Cram

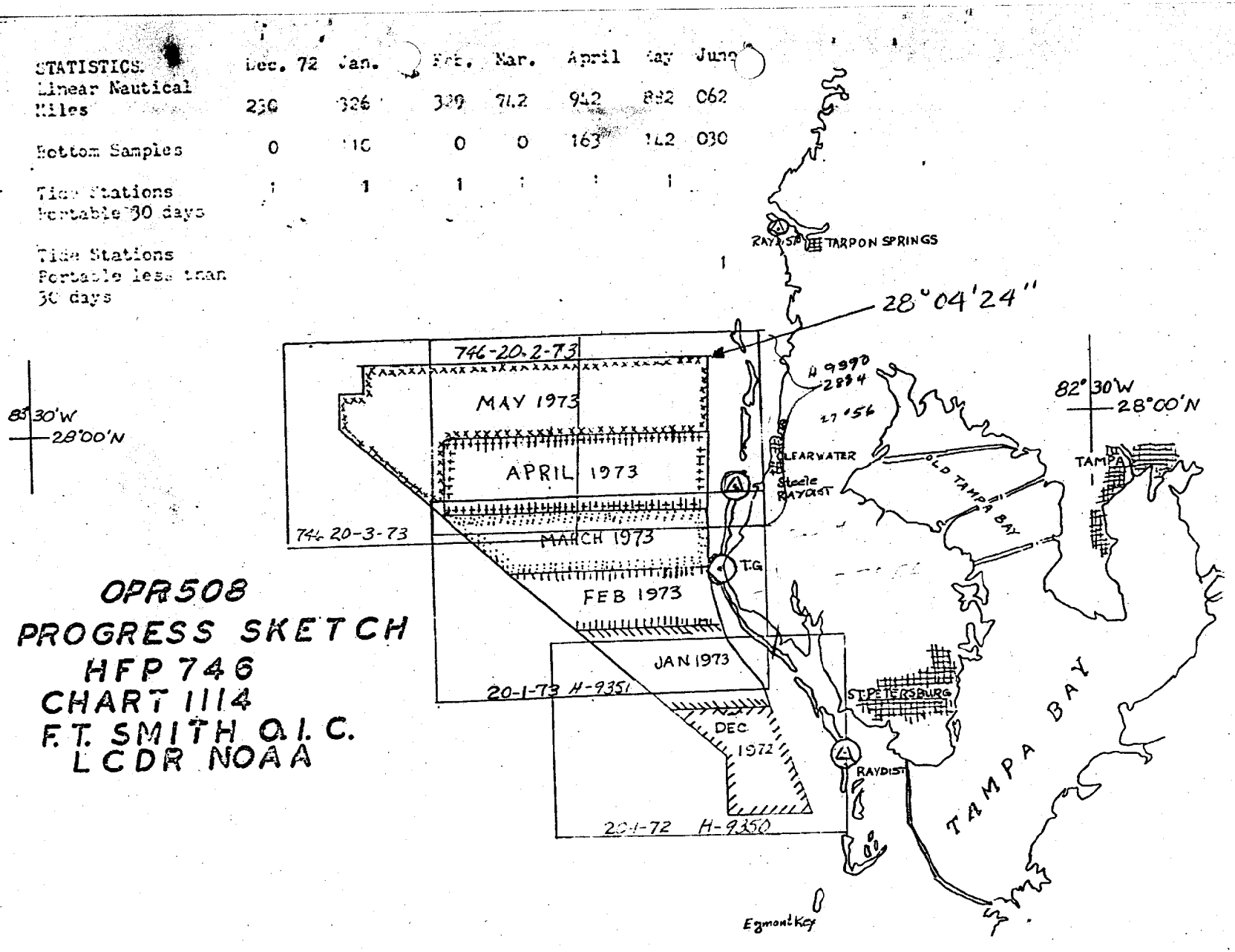
Soundings in ~~fathoms~~ feet at MLW ~~MLLW~~

REMARKS: Raydist DRS used for position, Hydroplot survey equipment used for logging and plotting. Changes in red made during verification by L. G. Cram.

Cat I survey verified. No further processing to be done.

Applied to chts 5/11/77

STATISTICS:	Dec. 72	Jan.	Feb.	Mar.	April	May	June
Linear Nautical Miles	230	326	329	71.2	942	882	062
Bottom Samples	0	110	0	0	163	142	030
Tide Stations Portable 30 days	1	1	1	1	1	1	
Tide Stations Portable less than 30 days							



OPR508
PROGRESS SKETCH
HFP 746
CHART 1114
F.T. SMITH O.I.C.
LCDR NOAA

-2-

DESCRIPTIVE REPORT

FOR

HYDROGRAPHIC SURVEY H-9390

HSL-20-2-73

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 is shown on the preceding page. The limits of hydrography are from latitude 27° 56' 00" to latitude 28° 04' 24" and from longitude 82° 52' 00" to longitude 83° 07' 00".

C. Sounding Vessel

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

D. Sounding Equipment

Two Raytheon DE 723D's were used as sounding units

Model Number	Serial Number
723-40	1904
723-40	37024

Also used with the above units were the following:

1. TRACOR - Model number 20 - Precision Frequency - Square Wave - Power Module.

2. Electronic Cabinet Unit(ECU) - Model number 723-42 - Serial Number 1910.

3. Raytheon Digital Depth Monitor Model 723-41 - Serial Number 37016.

Soundings were taken from 12 to 65 feet.

Echo sounding corrections were determined from barchecks. A season report on correction to echo soundings is included with this report. It is titled Report on Corrections to Echo Soundings for OPR 508-1972-1973.

E. Smooth Sheet

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

This boatsheet was "smooth" plotted in the field. The ballpoint pens on the plotter gave very poor results. Two colors of ink were used and many of the soundings are so faint that they are barely readable. The field "smooth" plot is being turned in as is because a replot would require an extensive amount of time. There are two plotter sheets covering the survey area. Sheet A is the southern half and sheet B is the northern half. Overlay sheets were constructed for some crosslines, developments and bottom samples. A 1:10,000 overlay was done of the area of the developments so as to better show the soundings.

F. Control

Raydist equipment operated in the range-range mode was used for control on this survey. The shore sites were located by Mr. Jim Shea from Operations (AMC). The stations were located at the following positions:

Station	Latitude	Longitude
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. The calibration signals were located by traverse and are listed in the appendix. An abstract of the corrections is included in the appendix. See the Report on Corrections to Electronic Control OPR 508-1972-1973 for the daily calibrations.

The following electronic equipment was used in conjunction with the DEC PDP/81 hydroplot system.

Equipment	Model	Serial Number	Frequency
Raydist DRS System Navigator	ZA-673	67	3296.495 kHz

C&GS Hydroplot
(Marine Digital Navigational Systems Inc)
C&GS Hydroplot (DEC) Controller

G. Shoreline

There is no shoreline on this sheet. The inshore area will be completed at a later date.

H. Crosslines

There was approximately 103 n.m. of crosslines compared to approximately 1350 nautical miles of regular sounding lines for 8.2% crosslines.

In general all crossings agree to within 1 foot. There are several cases where the crossings are 3 feet off. No particular reason is known except that sea conditions were rough (2-3 feet). These disagreements were noted on the offshore end of "A" sheet in 50 feet of water. They are isolated and do not apply to all lines crossed.

I. Junctions

HSL-20-1-73

This survey junctions with H-9351 (1973) on the south and junctions with H-9391 (1973) on the west. The agreement at the junctions is good and there are no holidays. HSL-20-3-73

On the east this survey junctions with prior surveys H-7877 and H-7905 (1949-1950). Agreement is good with the maximum difference being 2 feet in isolated cases. A shoal has formed at the junction of H-9390 (1973) and H-7905 at latitude 28° 04'. A depth of ~~13~~ 14 feet in an area charted as 17 feet. It is recommended that this area be delineated and developed at a later date. See H-7510 for additional hydrography in this area.

J. Comparison with Prior Surveys

This survey was compared to the survey of 1925-1927 by R. P. Eyman. This survey (Reg. No. 4581) was a 1:40,000 scale with line spacing of 400 meters and was used to compile the existing NOS chart 1257 for the area between latitude 27° 54' to 28° 12' and between longitude 82° 52' and 83° 02'. In general the depths on H-9390 are shoaler. The bottom topography west of longitude 82° 55' has remained the same. The survey H-9390 has more soundings and the controlling depths are less than the 1925-1927 survey.

To the east of longitude 82° 55' the area has changed in some places. A new shoal has formed outside of Clearwater Pass. Shoals charted in 1925-1927 have increased in size and their least depths are less than charted by as much as 2 feet.

In general the area is sloping to seaward and is a sandy bottom with shells. Overall the depths from this survey are shoaler. It is not known if the new depths are shoaler due to silting in the area or just better methods of obtaining depths.

No soundings from this prior survey were placed on the boatsheet since they are a duplication of the soundings from NOS chart 1257.

K. Comparison with the Chart

The following charts were used for comparison:

Chart	Scale	
NOS 1257	1:80,000	February 5, 1972 17th Edition
NOS 1114	1:456,394	

Compared with Chart 11412 (cf NOS 1257) during verification Jan 11, 1975 20th Ed.

See Pos# 5000 - 5018

This survey differs significantly from chart 1257 on the inshore area near Clearwater Pass (Lat. 27° 56.8', Long. 82° 52.6') where the previously charted depths of 18 ft. have shoaled to ~~15~~ 13 ft. and the shoal has extended to the north and west. A shoal has formed near lat. 27° 56'.0, long. 82° 54.5' and extends to the north and northwest. The area shoals to ~~14~~ 13 ft. in what was previously charted as 24 to 25 feet. Agreement is better away from the Clearwater Pass entrance. Most of the charted soundings were verified. This area of the chart apparently comes from the 1925-1927 survey Register No. 4581 which was discussed in section J.

Pos# 4927 - 4963

The sounding line spacing on that survey was insufficient to fully depict the bottom and as a result this survey (H-9390) shows many shoaler depths that do not show on the chart. To rephrase this; the charted soundings west of longitude 82° 55' are generally correct. However; they are not the controlling depths for this area. The area to the east of longitude 82° 55' has numerous changes from the chart due to shoals building from beach erosion and the discharge from Clearwater Pass and Dunedin Pass. In general the inshore end of this survey is 1 to 3 feet shoaler than the charted soundings. Larger differences do occur but they are isolated.

A comparison with chart 1114 is difficult due to the scale. The offshore end has controlling depths that are 6 feet shoaler than those charted. Most of these differences are not critical since there is little or no deep draft traffic in this area.

The Pre-Survey Review listed one item 2A.

"2A the fish haven obstruction charted in lat. 28° 00.5' long. 82° 53.1' originates with Chart Letter No. 852 of 1964. The obstructions 2600 yards long and 300 yards wide consists of automobile bodies and other metal objects. The authorized minimum depth over the reef is 20 feet."

This area was sounded at 100 meter spacing on a 45° angle with the haven. The minimum depth found was 20 feet (reduced for predicted tide and draft.). There are six privately maintained buoys marking the northern end of the haven.

Days 114, 115, 116, 120, & 121

Pos # 2206 - 2210, 2285 - 2301, 2376 - 2394, 2472 - 2476, 2537 - 2601, 2788 - 2791

The haven was being "filled" by local private groups who haul loads of trash such as old tires, small metal objects, etc. to the buoyed area and dump whenever they have a barge load. The high speed launch sounding at 20 knots did not show anything unusual in this area.

Lat. 27° 56' 47.39" Long 82° 55' 18.12"

A dashed circled sounding (20 feet) was investigated and a least depth of (17) foot (reduced for ~~predicted~~ tides and draft) was founded. Applying settlement and squat and velocity correction the depth reduces to 18.7 feet. Smooth tides have ~~not~~ been applied. Day 156 Pos #4964 4984 (+100)

L. Adequacy of Survey

in pos P/O Pos #5064-5084

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

M. Aids to Navigation

There are ~~no~~ Seven landmarks or fixed aids to navigation on this boatsheet. There are ~~six~~ private maintained buoys marking the northern end of the fish haven. They are orange-white buoys lettered A,B,C,D,E, and G. They were located on day 121 with positions 2926-2931. N "A" 150 Pos # 4777

N. Statistics

1973 Day	Time GMT From	Time GMT To	From Pos.	Last Pos.	N.M. of Sdgn. Line	B.S.	Remarks
103	1756	2243	0001	289	85.9		
104	1333	2020	290	639	100.9		
106	1334	2232	640	1078	127.0		
109	1417	2005	1079	1389	93.1		
110	1406	1852	1390	1654	78.5		
113	1359	1909	1655	1945	87.0		
114	1436	1956	1946	2302	103.0		
115	1514	2104	2204*	2479	80.0		Dup. pos. 2204-2302
116	1534	1727	2480	2593	33.5		*Added 100 to Pos #'s
120	1436	1926	2594	2784	57.1		
121	1338	1919	2785	3071	82.9		from 2204 to end
122	1258	1937	3072	3433	104.8		of survey!
123	1317	1953	3433	3794	109.6		Dup. pos. 3433A
127	1451	1916	3795	4019	87.2		
130	1513	2010	4020	4059		40	Added an "A"
131	1329	2153	4060	4148	27.0		after this Pos.
133	1339	2134	4149	4238	27.0		
134	1349	1819	4239	4485	74.7		
135	1313	1359	4486	4531	14.3		
137	1409	1646	4532	4616	25.5		
144	1346	1604	4617	4646	1.5	19	
149	1428	1736	4647	4676		30	
150	1338	2004	4677	4771	12.8	51	
156	1336	1858	4772	5021	57.0		
158	1300	1432	5022	5065	5.0		

Lineal N. miles of sounding lines	1475.3 n.m.
Square n. miles of survey	86.0 s. n.m.
Total number of bottom samples	140
Tide stations	1

O. Miscellaneous

Clearwater Pass is used extensively by pleasure craft and charter boat fisherman. There is deep draft traffic in the area.

P. Recommendations 14' Pos. #4327 Day 134 (Pos #4427 in Pos. P/O)

There is a shoal at 28° 04.0', 82° 52'.5' which needs to be developed. A least depth of ~~13~~ feet was observed in an area where 17 feet was charted. This item has been referred back to the AHP launch on this project. Add'l sdgs here from H-9510(1975

Q. References 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

CAM3-1
1/31/74

ATLANTIC MARINE CENTER

PROJECTION PARAMETERS

POLYCONIC OR MODIFIED TRANSVERSE MERCATOR

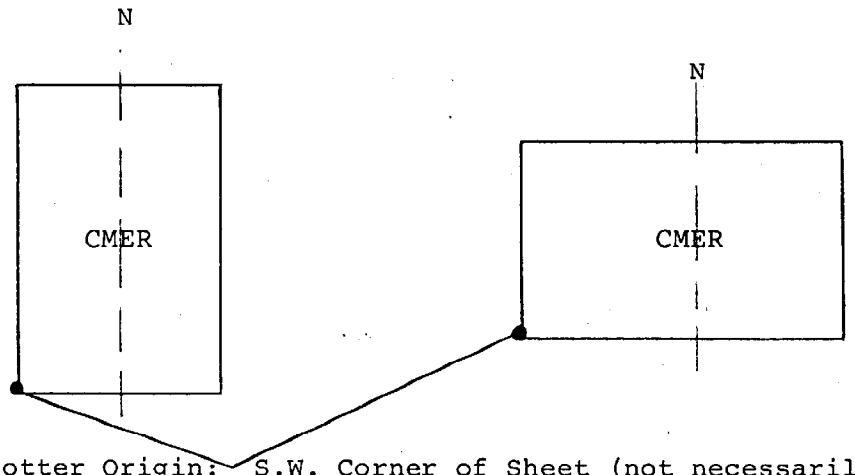
1. Project No. OPR-508 ✓
2. Reg. No. H-9390 ✓
3. Field No. AHP-20-2-73 ✓
4. Requested By F.T. Smith
5. Ship or Office AHP
6. Date Required

7. Polyconic [X] Modified Transverse Mercator [ ]
8. Central Meridian of Projection 83 ° 00 ' 00 " ✓
9. Survey Scale: 1: 20,000 ✓
10. Size of Sheet (check one): ✓

36 x 54 [ ] 36 x 60 [X] Other [ ] Specify _____

11. Sheet Orientation (check one):

NYX = 1 [ ] NYX = Ø [Ø]



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

Latitude 27 ° 55 ' 00 "

Longitude 83 ° 08 ' ~~00~~ 55 "

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

Smooth Sheet [X] Other [ ] Specify _____

15. Remarks: _____

CAM3-2
1/31/74

ATLANTIC MARINE CENTER

ELECTRONIC CONTROL PARAMETERS

1. Project # OPR- 508 2. Reg. # H-9390 3. Field # AHP-20-2-73

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

5. Frequency 3296.495 (for conversion of electronic lanes to meters)

6. Mode of Operation (check one):

Range-Range [X] Range-Visual [ ]

Range One (R_1)		Lat.	28 °	09 '	49.805 "
Station I.D.	Tarpon	Long.	82 °	47 '	24.737 "
Range Two (R_2)		Lat.	27 °	56 '	32.724 "
Station I.D.	Steele Raydist	Long.	82 °	50 '	13.464 "

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 [ ] 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 sheet.

[ ] 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)		
1257	175600	103	180000	158	0001	to	5065
						to	
						to	

9. Remarks: _____

STOCK NO. 37
(4-30-57)

Abstract of Corrections to Electronic Control

ANP-20-2-73 H-9390

Day	From	to	Pat +	Pat II
103	175615	224224	- 45'	+ 40'
104	133358	201937	- 45'	+ 40'
106	133454	223109	- 60'	+ 55'
109	141713	200418	- 45'	+ 50'
110	140638	185128	- 55'	+ 55'
113	135915	190807	- 55'	+ 55'
114	142620	205523	- 60'	+ 45'
115	151407	210432	- 55'	+ 45'
116	153430	172730	- 65'	+ 45'
120	133608	182538	- 60'	+ 50'
121	133857	160522	- 50'	+ 50'
121	163000	191820	- 50'	+ 60'
122	125817	160055	- 60'	+ 50'
122	163000	193606	- 45'	+ 50'
123	131735	195351	- 50'	+ 45'
127	145140	191510	- 40'	+ 40'
130	151320	200955	- 55'	+ 35'
131	132922	141434	- 55'	+ 35'
131	211045	215245	- 55'	+ 45'
133	133945	142506	- 60'	+ 35'
133	205123	213423	- 55'	+ 40'
134	134925	181924	- 55'	+ 40'
135	131335	135815	- 60'	+ 30'
137	140937	164504	- 65'	+ 50'
156	133613	185753	- 60'	+ 40'
158	130050	143149	- 50'	+ 50'
144	134655	160406	- 50'	+ 40'
149	142845	173534	- 50'	+ 45'
150	192054	200339	- 60'	+ 45'

SIGNAL NAME LISTING

100 EGMONT KEY LIGHTHOUSE (REAR RANGE) 1873

105 PINK HOTEL (DON CESAR'S)

107 SW CORNER HAPPY DOLPHIN

108 PENTHOUSE ELEV. SHAFT

110 CROSS ATOP ST. JOHN'S CATHOJIC CHURCH

111 BLIND PASS TANK

122 U S VETERANS HOSPITAL (NORTHWEST OF ST) PETERSBURG
SQUAT WHITE TANK 1934

133 MADEIRA BEACH TANK

135 LIGHT 17408 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 BRICI STAC. 1925

166 CLEARWATER BEACH TANK

170 MANDALAY SHORES

171 MICRO WAVE TOWER

172 DUNEDIN MUNICIPAL TANK

173 TRIPOD(PINK)

180 TARPON SPRINGS MUN TANK(TAR 1929)

190 TARPON SPRINGS MUN TANK(PON 1925)

200 ANCLOTE KEYS LIGHTHOUSE

100	27	36	0174	082	45	3908
105	27	42	3236	082	44	1477
107	27	43	1759	082	44	2986
108	27	44	1153	082	45	1218
110	27	44	5249	082	45	1686
111	27	45	2323	082	45	3342
122	27	48	3659	082	46	2173
133	27	48	0605	082	47	5918
135	27	49	2066	082	49	4295
137	27	51	1315	082	50	5626
139	27	53	4417	082	51	1076
144	27	55	0060	082	50	2955
155	27	56	0214	082	48	0332
156	27	56	3764	082	48	3773
166	27	59	0316	082	49	3848
170	27	59	5043	082	49	3943
171	28	01	5207	082	49	1574
172	28	02	5360	082	46	3952
173	28	05	3114	082	50	1657
180	28	08	4236	082	45	1049
190	28	09	1569	082	45	4206
200	28	10	0018	082	50	4149
500	27	42	2383	082	44	1657
505	27	56	3272	082	50	1346

H-9390

VELOCITY TABLE 2

```
000047  0  0000  0002  000  125700  009390
000094  0  0002
000141  0  0004
000188  0  0006
000235  0  0008
000282  0  0010
000329  0  0012
000376  0  0014
000422  0  0016
000470  0  0018
  0515  0  0020
  0562  0  0022
000609  0  0024
000656  0  0026
000702  0  0028
000749  0  0030
000000  0  0000
```

TC/TI

```
000000  0  0000  0002  103  125700  009390
```

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-9390

OPR: 508

Locality: Off the west coast of Florida

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

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

Remarks: Zone direct

James R Hubbard
for Chief, Tides Branch

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

1/83

C323

FEB 5 1976

CAM 31 4 to block

TO: Alfred C. Holmes
Director, Atlantic Marine Center
Attention: Chief, Processing Division

FROM: Robert C. Munson
Associate Director
Office of Marine Surveys and Maps

SUBJECT: Omission of High Water Line

In accordance with telephone communication with Mr. William L. Jonns on January 29, 1976, hydrographic surveys H-9390, H-9350, and H-9351 of Project OPR-508, Offshore, Florida West Coast, may be considered complete and forwarded to this Office without the application of the mean high water line. Future surveys inshore from these should have the high water line shown.

ATLANTIC MARINE CENTER
APPROVAL SHEET
FOR
AUTOMATED SURVEY H-9390

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/~~XXXXXXX~~ been made. A new final sounding printout has/~~XXXXXXX~~ been made.

Date: April 20, 1977

Signed: William L Jones

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: 4-22-77

Signed: Robert A. Crandall

Title: Chief, Processing Division

NOAA FORM 76-155
(11-72)

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

SURVEY NUMBER

H-9390

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	
										1
										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
										12
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										16
										17
										18
										19
										20
										21
										22
										23
										24
										25

NOAA FORM 76-155 SUPERSEDES C&GS 197

U.S. G.P.O. 1972-769-565/516 REG. NO

NOAA FORM 77-27
(9-72)
(PRESC. BY HYDROGRAPHIC MANUAL 20-2, 6-84, 7-13)

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

HYDROGRAPHIC SURVEY STATISTICS

HYDROGRAPHIC SURVEY NO. H-9390

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

RECORD DESCRIPTION	AMOUNT	RECORD DESCRIPTION	AMOUNT
SMOOTH SHEET with smooth PNO & excess overlay	1	BOAT SHEETS (5 parts 3-mylar 2-paper)	1 ~~Copy 5 parts~~
DESCRIPTIVE REPORT	1	OVERLAYS (preliminary)	5 2

DESCRIPTION	DEPTH RECORDS	HORIZ. CONT. RECORDS	PRINTOUTS	TAPE ROLLS	PUNCHED CARDS	ABSTRACTS/ SOURCE DOCUMENTS
~~Accordion~~ ENVELOPES	2		2			1
CAHIERS	2-with P/O & sawtooth rec.		1			
VOLUMES	1					
BOXES			1-smooth			

T-SHEET PRINTS *(List)* 1-Chart markup 11412

SPECIAL REPORTS *(List)*

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				5166
POSITIONS CHECKED		240	15	
POSITIONS REVISED		52	0	
DEPTH SOUNDINGS REVISED		600	60	
DEPTH SOUNDINGS ERRONEOUSLY SPACED		0	0	
SIGNALS ERRONEOUSLY PLOTTED OR TRANSFERRED		0	0	
	TIME (MANHOURS)			
TOPOGRAPHIC DETAILS		0	0	
JUNCTIONS		8	4	
VERIFICATION OF SOUNDINGS FROM GRAPHIC RECORDS		19	8	
SPECIAL ADJUSTMENTS		3	0	
ALL OTHER WORK		190	8	
TOTALS		220	20	

	BEGINNING DATE	ENDING DATE
PRE-VERIFICATION BY J. Murphy and R. Hill	03/18/75	02/24/76
VERIFICATION BY L. G. Cram	06/16/76	06/20/76
REVIEW BY L. G. Cram	06/14/77	04/19/77

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

NOAA FORM 76-97
(2-72)
(PRES. BY HYDROGRAPHIC MANUAL, 6-94)

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

VERIFIER'S REPORT

HYDROGRAPHIC SURVEY, H - 9390

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		
4. Source of shoreline signals Remarks Required: -- List all surveys a. Give earliest and latest dates of photographs b. Field inspection date c. Field Edit date d. Reviewed-Unreviewed	NA	
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	
9. The notation in slanted lettering "JOINS H---- (19)" 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 adjustments 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: (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	X	
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	X	
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.	NA	
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.	X	
Part VII - CURVES		
23. The depth curves have been inspected **before** inking. Remarks Required: -- By whom was the penciled curves inspected. GFT	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.	NA	
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 - BOAT SHEET		
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.	X	
35. Notation of discrepancies with photogrammetric survey inserted in report of unreviewed photogrammetric survey or on copy.	X	
36. Supplemental information.	X	

Verified by	Date
L. G. Cram	06/23/76

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

Verification Note
Category II Survey H-9390

This appears to be an excellent basic survey. Soundings are in good agreement at crossings and the depth curves adequately delineate the features in this area of irregular bottom. The supplementary 36 foot curve was drawn to better show the irregularities at this depth.

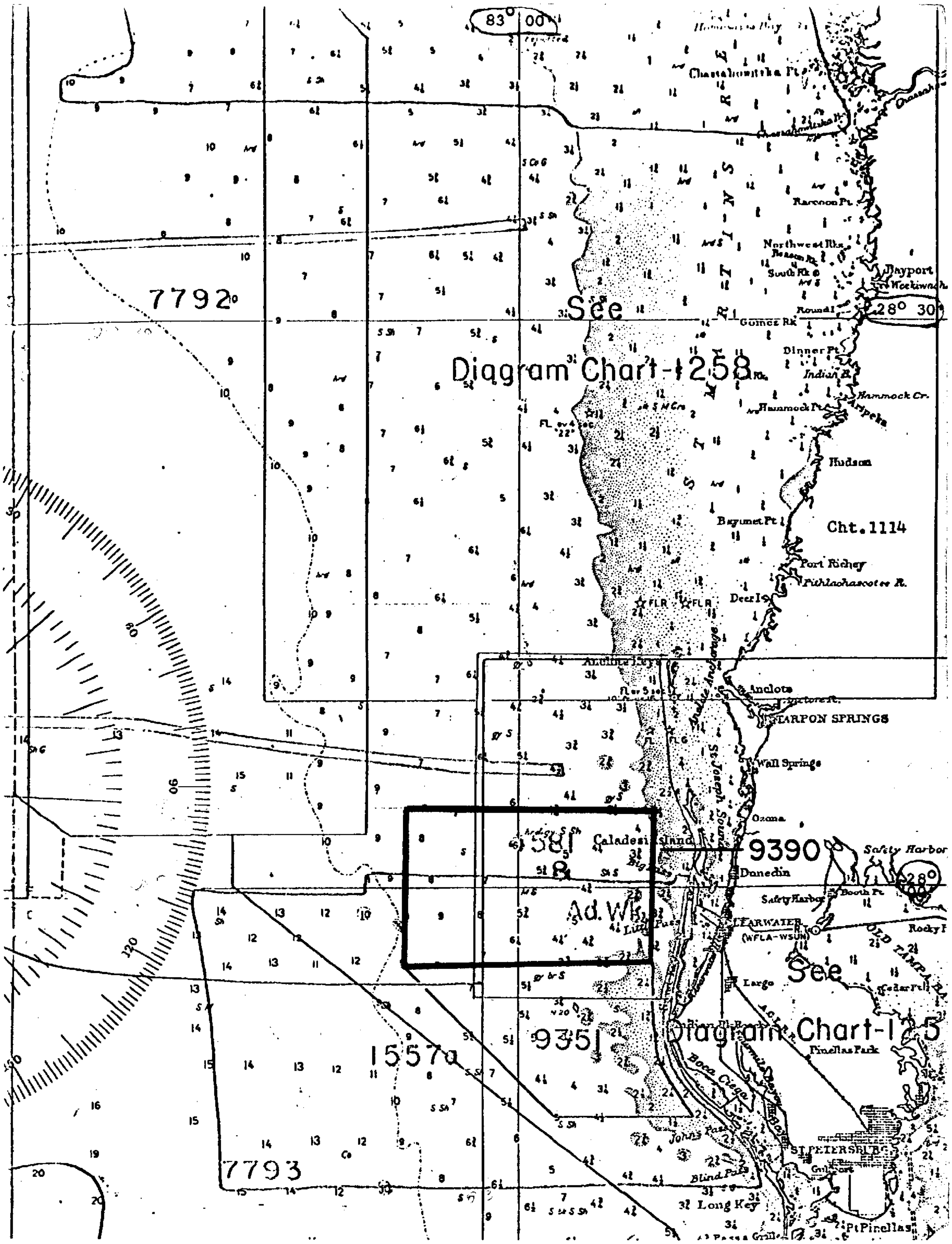
It is recommended that this survey be used for charting. (Refer to Section K of the Descriptive Report.)

This survey appears to be well done and adequately defines the survey area. No additional work is recommended.

William L Jonns

Norfolk, Virginia
April 20, 1977

William L. Jonns
Chief, Verification Branch
AMC



83° 00'
Chassahowitzka Pt.
Raccoon Pt.
Northwest Rks.
South Rk.
Bayport
Weekiwachee
Round I.
28° 30'
Gomez Rk.
7792
See
Diagram Chart-1258
Dinner Pt.
Indian R.
Hammock Cr.
Hammock Pt.
Hudson
Bayonet Pt.
Cht. 1114
Port Richey
Pithlachascotee R.
Deer I.
Anclote Keys
Anclote
STARPON SPRINGS
St. Joseph Sound
Wall Springs
Ozona
Caladesi Island
9390
Safety Harbor
Dunedin
581
Ad. Wk.
CLEARWATER
(WFLA-WSUN)
Old Tampa Bay
Rocky Pt.
Largo
See
Diagram Chart-125
Pinellas Park
9351
1557a
Boca Ciega
Johns Pass
Blind Pass
ST. PETERSBURG
Long Key
Pt. Pinellas
Pass-a-Grille
7793

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

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. 9390

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
858	10-20-77	B. Fernandez	~~Full~~ Part ~~Before~~ After Verification Review Inspection Signed Via
			Drawing No.
[redacted]	[redacted]	[redacted]	[redacted]
			Full ~~Part Before~~ After Verification [redacted]
			Drawing No. 24 [redacted]
	(11412)		
1257	1-11-79	D M Perkins	(Full) ~~Part Before~~ After Verification [redacted] Review Inspection Signed Via
			Drawing No. 49 Part appd aff.
	(11419		
858	9-19-79	O. Williams	(Full) ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 25 Part appd aff
11400	9-21-79	O. Williams	(Full) ~~Part Before~~ After Verification Review ~~Inspection~~ Signed Via
			Drawing No. 29 Part appd aff
			Appld thru Chart 1257 within common area
11411	3/12/81	Dick Keller	~~Full~~ Part ~~Before After~~ Verification ~~Review Inspection~~ Signed Via
			Drawing No. 1
11411	3/23/81	Dick Keller	Full ~~Part Before~~ After Verification ~~Review Inspection~~ Signed Via
A & B			Drawing No. 1 (CAT # 1 3/23/81 RMK)
11412	4/9/85	Peter Shuman	Full ~~Part~~ ~~Before~~ After Verification Review Inspection Signed Via
			Drawing No. 55
			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