

TP-00967

TP-00967

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00967	Edition No. 1
Job No. CM-7612	
Map Classification Final Field Edit	
Type of Survey Shoreline	
LOCALITY	
State Florida	
General Locality Clearwater	
Locality Palm Harbor to Clearwater Pass	
1976 TO 1978	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Md.		SURVEY TP. <u>00967</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>PH. CM-7612</u>	
OFFICER-IN-CHARGE Cmdr. J. Collins		LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
General Instructions-OFFICE-NOS-Cooperative Coastal Boundary Mapping, Job PH-7000 December 9, 1975 Supplement I, November 4, 1974 Supplement III, October 24, 1974		Field Instructions 8/20/76 Supplement I 9/8/76 " II 9/29/76 Field Edit (PH-7000 General Instruction for Florida Coastal Zone Mapping)	
II. DATUMS			
1. HORIZONTAL: ☒ 1927 NORTH-AMERICAN		OTHER (Specify)	
2. VERTICAL: ☐ MEAN HIGH-WATER ☒ MEAN LOW-WATER ☐ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION Transverse Mercator		4. GRID(S) STATE Florida ZONE West	
5. SCALE 1:20,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic		BY Don Norman LANDMARKS AND AIDS BY N/A	Jan 1977
2. CONTROL AND BRIDGE POINTS METHOD:		PLOTTED BY J. Reinmuth CHECKED BY J. Taylor	Feb 1977 Mar 1977
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: SCALE:		PLANIMETRY BY N/A CHECKED BY CONTOURS BY N/A CHECKED BY	
4. MANUSCRIPT DELINEATION METHOD: Graphic Rectified Prints SCALE: 1:20,000		PLANIMETRY BY R. Rich CHECKED BY C. Lewis CONTOURS BY N/A CHECKED BY HYDRO SUPPORT DATA BY N/A CHECKED BY	Aug 1977 Sept 1977
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		BY C. Lewis	Oct 1977
6. APPLICATION OF FIELD EDIT DATA		BY R. Rich CHECKED BY J. Battley	Mar 1978 Mar 1978
7. COMPILATION SECTION REVIEW		BY P. Dempsey	Apr 1978
8. FINAL REVIEW		BY D. Brant 6/78 C. Lewis	June 1983
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		BY	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		BY C. Lewis	June 1983
11. MAP REGISTERED - COASTAL SURVEY SECTION		BY E. DAUGHERTY	Nov 1984

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

COMPILATION SOURCES

TP-00967

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10B 6" focal length Wild RC-10K 6" focal length		TYPES OF PHOTOGRAPHY LEGEND (C) <u>COLOR</u> (P) <u>PANCHROMATIC</u> (K) <u>INFRARED</u>		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				ZONE Eastern	☒ STANDARD ☐ DAYLIGHT
				MERIDIAN 75th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
76-B(C) 0201-0204	27 Sept 76	0912	1:50,000	The stage of tide is inapplicable for the color photography. Refer to Tide Info. Form 76-36B(1)
76-B(C) 0188	27 Sept. 76	0900	1:50,000	
76-K 9623-9629(R)	5 Oct 76	0942	1:30,000	
76-K 9698-9703(R)	5 oct 76	1113	1:30,000	
76-K 9924-9925(R)	6 Oct 76	1013	1:30,000	
76-K 9554-9559(R)	27 Sep 76	0916	1:30,000	
76-K 9991-9997(R)	13 Oct 76	0942	1:30,000	
76 C(C) 9594 - 9601	4 Nov 76	1519	1:20,000	
76 C(C) 9659	4 Nov 76	1533	1:20,000	
76 C(C) 9665 - 9672	4 Nov 76	1536	1:20,000	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the MHW line is the tide-coordinated black & white infrared photography listed in Item 1. The rectified color photography was used as an aid for interpreting cultural features and compiling the limits of vegetation and shoal and shallow areas.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The source of the MLW line is the tide-coordinated black & white infrared photography listed under Item 1:

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00966	No Contemporary Survey	TP-00968	No Contemporary Survey

REMARKS

Final junctions will be made in the Coastal Mapping Section

NOAA FORM 76-36B(1)
(7-75)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TIDE - COORDINATED PHOTOGRAPHY

TP - 00967

LOCATION AND PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
76-K 9623-9626 (R)	Southerland Bayou, Palm Harbor	Inside +0.61 (MHW)	
76-K 9626-9629 (R)	Belleair, Clearwater Harbor	Inside +0.64 (MHW)	
76-K 9698-9700 (R)	Indian Rocks Beach Pier	Outside +0.39 (MHW)	
76-K 9698-9701 (R)	Belleair, Clearwater Harbor	Inside +0.40 (MHW)	
76-K 9700-9703 (R)	Honeymoon Isle, North Point	Outside +0.36 (MHW)	
76-K 9924-9925 (R)	Indian Rocks, Beach Pier	Outside +0.64 (MHW)	
76-K 9991-9992 (R)	Southerland Bayou, Palm Harbor	Inside -0.06 (MLW)	
76-K 9994-9997 (R)	Belleair Clearwater Harbor	Inside -0.12 (MLW)	
76-K 9554-9556 (R)	Indian Rocks, Beach Pier	Outside +0.42 (MLW)	
76-K 9556-9559 (R)	Honeymoon Isle, North Point	Outside +0.14 (MLW)	

REMARKS:

HISTORY OF FIELD OPERATIONS TP-00967

- I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION Under ltr. dtd. 1/30/78 fr.
Chief, Coastal Mapping

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.R. Wagner	
2. HORIZONTAL CONTROL	RECOVERED BY J.D. Di Mare	Feb 1978
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
3. VERTICAL CONTROL	RECOVERED BY	
	ESTABLISHED BY	
	PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	
	LOCATED (Field Methods) BY	
	IDENTIFIED BY	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	☐ COMPLETE	
	☐ SPECIFIC NAMES ONLY	
	☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY R.R. Wagner	Feb 1978
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

76B0201 thru 0204; 76K9627, 9994, 9624, 9559

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

RECORD OF SURVEY USE

TP-00967

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
OFFICE - CLASS III	Oct. 1977	Special request from Chart Revision	Oct. 1977	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER Pages	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
16		5/24/79	Forms 76-40

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ~~367~~ ⁷⁷¹⁶⁻⁴⁰ SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:
4. ☒ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

83°

50'

40'

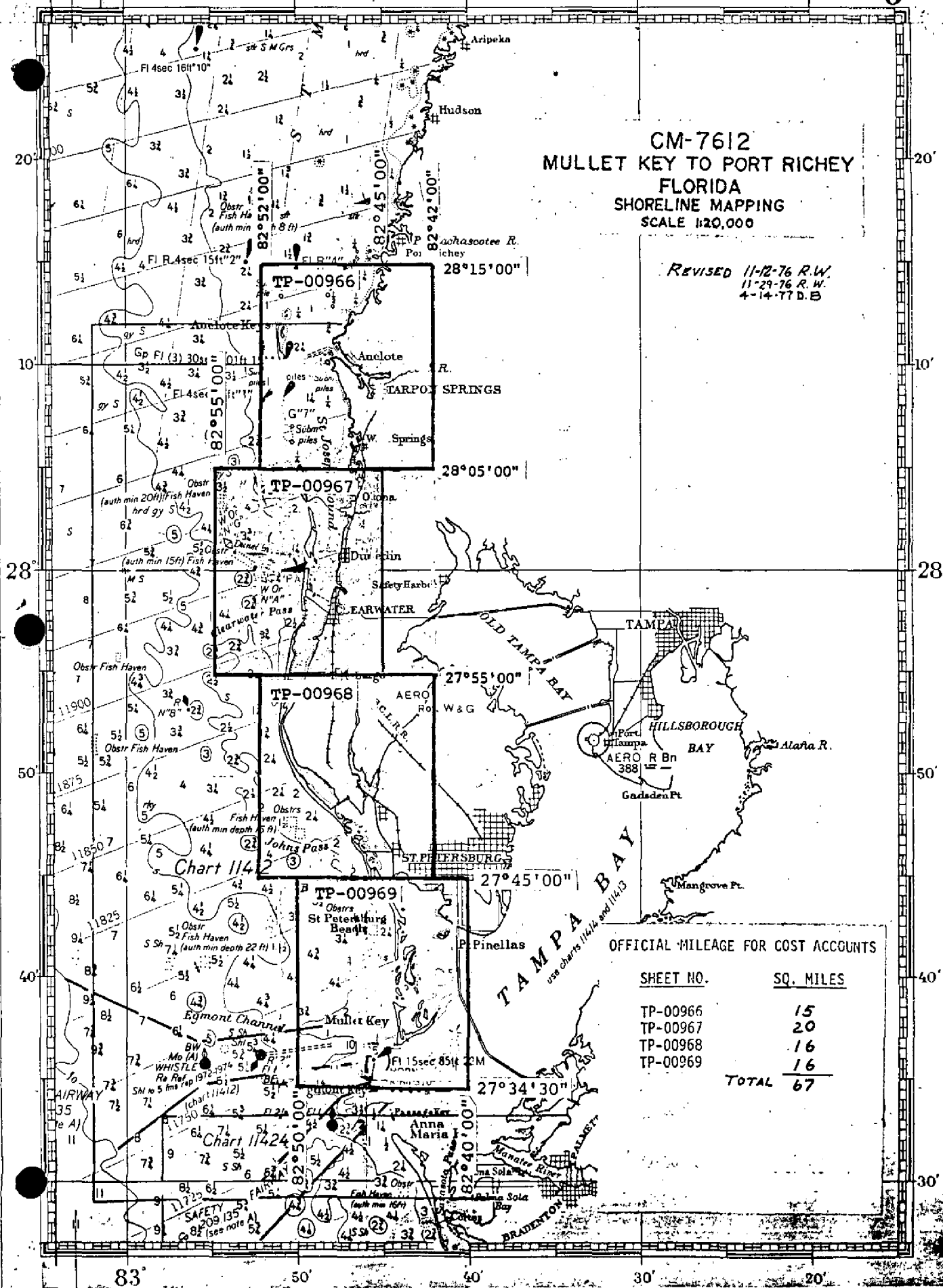
30'

20'

6

CM-7612
MULLET KEY TO PORT RICHEY
FLORIDA
SHORELINE MAPPING
SCALE 1:20,000

REVISED 11-12-76 R.W.
11-29-76 R.W.
4-14-77 D.B.



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

TP-00967

Coastal Zone Map TP-00967 is one of four 1:20,000 scale shoreline maps in Project CM-7612. These maps are intended for planning purposes for the State of Florida and for the construction and maintenance of NOS Nautical Charts.

The layout for CM-7612 will show the location of the individual maps from Mullet Key to Port Richey, Florida. A copy of the layout is included in this Descriptive Report.

Field operations consisted of premarking horizontal control and photographing the area, establishing tidal datums and performing the field edit.

Color compilation photography taken with the RC-10-B camera at 1:50,000 scale September 1976 was supplemented by color photography taken with the RC-10-C camera at 1:20,000 scale November 1976 for use in clarifying detail and compiling landmarks and aids to navigation. The shoreline was compiled using 1:30,000 scale infrared MHW and MLW photography taken with the RC-8-K camera in September and October 1976.

The Aerotriangulation Unit in Rockville, Maryland, bridged four strips of 1:50,000 scale color photography, using analytic aerotriangulation methods.

Compilation was completed in the Coastal Mapping Unit, Rockville, Maryland, using graphic methods.

Field edit was completed in February 1978. Recovery and location of landmarks, fixed aids to navigation, piling, etc., were omitted from the field edit procedure as per memo dated 1/30/78, from Chief, Coastal Mapping Branch. These items were compiled to the extent possible by office photogrammetric methods. The editor was required only to visually verify their existence at the time of edit. Their locations were not field checked. Field edit requirements in the foreshore and adjacent areas remained unchanged.

Application of field edit was performed in the Coastal Mapping Unit, Rockville, Maryland.

Final review was performed in the Quality Control Unit, Rockville, Maryland, in June 1983. This map meets the requirements for National Standards of Map Accuracy.

The context of this descriptive report contains all pertinent reports and listings of data used to compile this final map.

Photogrammetric Plot Report
Mullet Key to Port Richey
Florida

CM-7612
January 19, 1977

21. Area Covered

This report pertains to four sheets northward from the mouth of Tampa Bay to Port Richey, Florida. The sheets are TP-00966 through TP-00969. All are 1:20,000 scale.

22. Method

Four strips were bridged by analytic aerotriangulation methods. These strips were adjusted to ground in the Florida State Plane Coordinate System - west zone. The bridging strips were 1:50,000 scale color photography taken with the RC-10 "B" camera. Points were established for determining ratios of 1:30,000 scale infrared, MLW and MHW photography. No ratios were determined or ordered by this Section. The compilation section will also select and plot points necessary for producing the maps.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

Vertical control was taken from USGS topographic quadrangles.

25. Photography

The photography was adequate.

Submitted by:

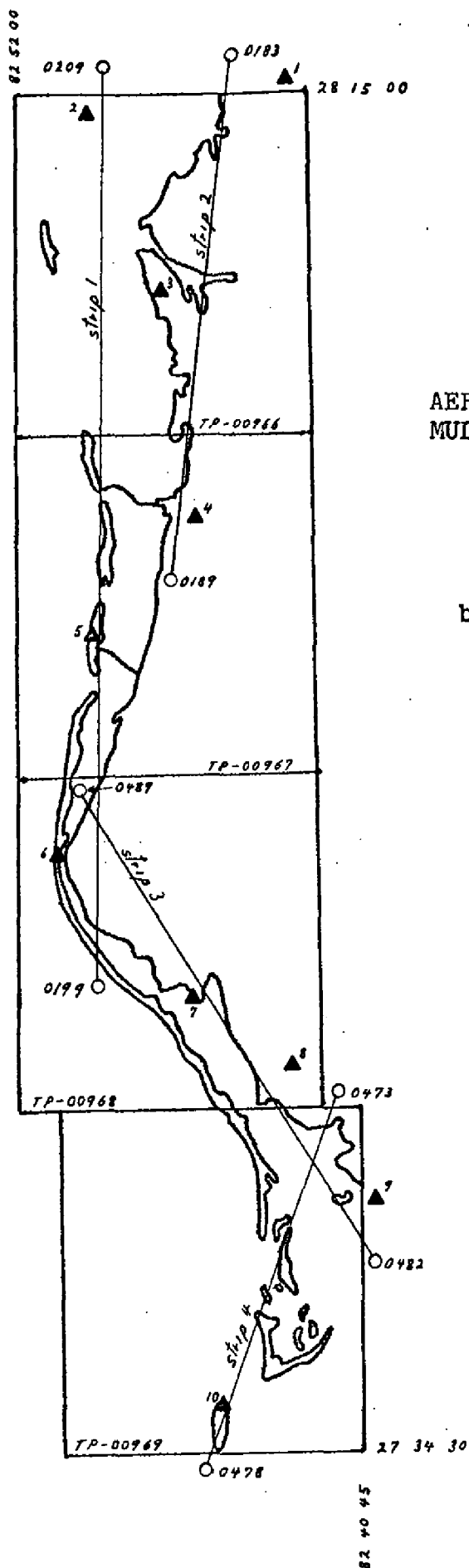
Don O. Norman

Don O. Norman

Approved by:

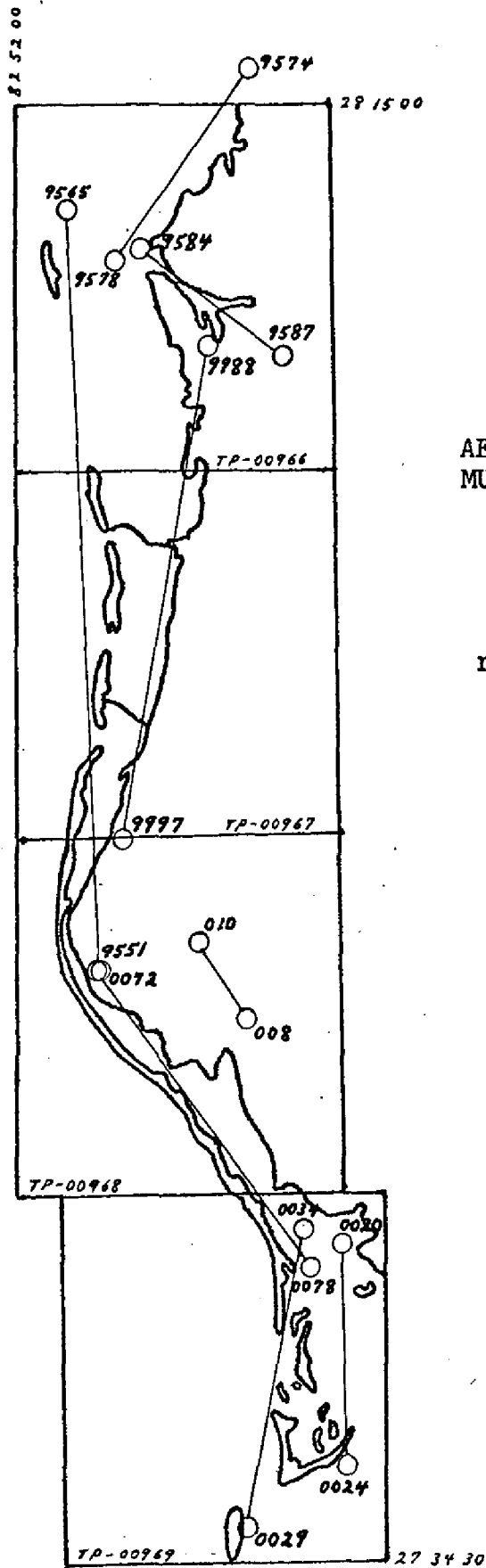
John D. Perrow Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section



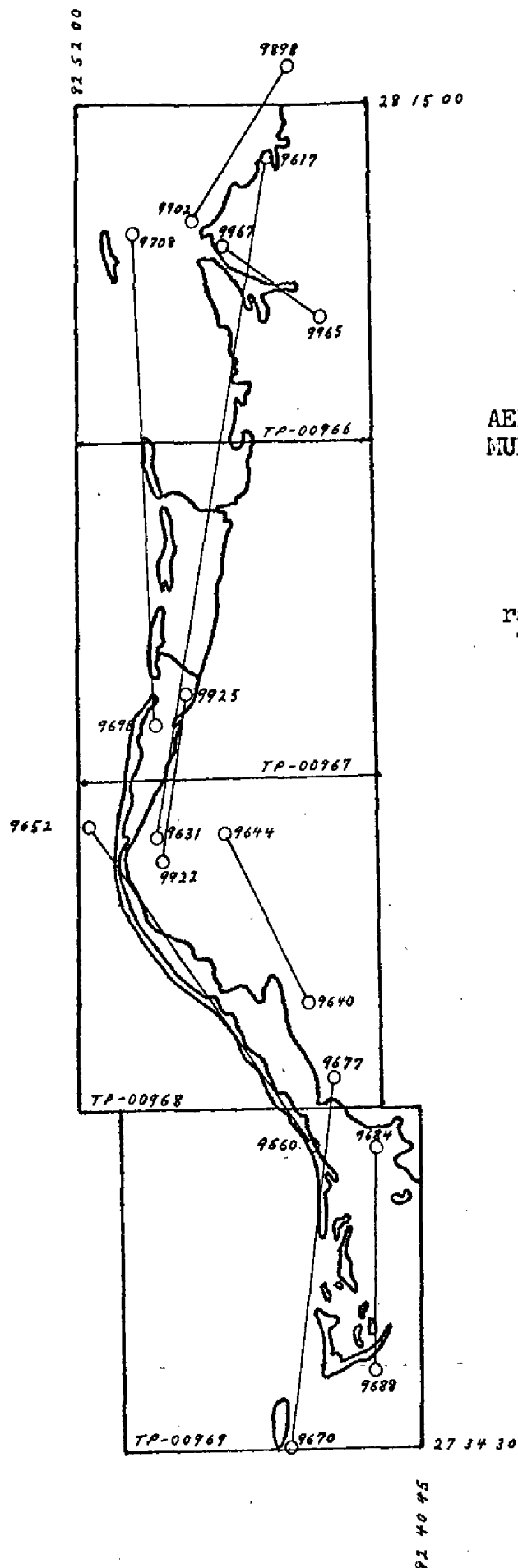
AEROTRIANGULATION SKETCH
MULLET KEY TO PORT RICHEY
FLORIDA
CM--7612
JANUARY 19, 1977

bridging photography
76B(c) 1:50000



AEROTRIANGULATION SKETCH
 MULLET KEY TO PORT RICHEY
 FLORIDA
 CM-7612
 JANUARY 19, 1977

ratio photography MLW
 76K(r) 1:30000



AEROTRIANGULATION SKETCH
MULLET KEY TO PORT RICHEY
FLORIDA
CM-7612
JANUARY 19, 1977

ratio photography MHW
76K(r) 1:30000

fit to control
(X,Y) in feet

strip 1

6	NARROW, 1933	(0.8,0.5)
5	CLEARWATER BEACH MUNI TK 1972 sub point	(1.2,1.5)
4	DUNEDIN N. MUNI TANK 1972 sub point	(1.0,1.3)
3	TARPON 2, 1973	(2.5,1.2)
2	ANCLOTE ANCHORAGE N. ENTRANCE LIGHT 4, 1952	(1.2,0.8)

strip 2

1	NEW PORT RICHEY MUNI WATER TK 1934 sub point	(0.0,0.0)
3	TARPON 2, 1973	(0.0,0.0)
4	DUNEDIN N. MUNI TANK 1972 sub point	(0.0,0.0)

strip 3

9	TAMP, 1954 sub point	(0.3,0.3)
8	MENORAH, 1973	(1.5,0.3)
7	TURTLE 2, 1926 sub point	(1.5,0.0)
6	NARROW, 1933	(0.3,0.1)

strip 4

8	MENORAH, 1973	(0.0,0.0)
9	TAMP, 1954 sub point	(0.0,0.0)
10	EGMONT KEY LIGHTHOUSE (REAR RANGE) 1873 sub point	(0.0,0.0)

FLORIDA- NOAA Coastal Boundary Mapping Program

Horizontal Control

Map TP- 00967

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
✓ BELLEAIR BCH PINELLAS CO TANK, 1973 ✓	See 1973 Description by J.D.S.; See unadjusted field position
✓ BELLEAIR SILVER MUN TANK 1934 * (BEL 1926)	* Book 337, P. 17; GP 205 Fla. Vol. 1; PC 11 Fla. W Zone
✓ CLEARWATER BEACH MUN TANK, (1972) ✓	*
✓ CLEARWATER, BELLEVIEW HOTEL, WHITE BRICK STACK, 1925 ✓	Book 337, P. 15; GP 204 Fla. Vol. 1; PC 11 Fla. W Zone
✓ CLEARWATER 1ST UNITED METH CHURCH SPIRE, 1972 ✓	*
✓ CLEARWATER GENERAL TEL MICROWAVE KIN 50, 1972 ✓	*
✓ CLEARWATER MUN STANDPIPE 1972 ✓	*
✓ CLEARWATER NORTON PARK TANK, (1972) ✓	*
✓ CLEARWATER RADIO STA WTAN TOWER, 1972 ✓	*
✓ CLEARWATER SILVER MUN TANK, BAK, 1925 ✓	Book 337, P. 15; GP 204 Fla. Vol. 1; PC 11 Fla. W Zone
✓ CLEARWATER MUN WESTON DRIVE TANK, (1972) ✓	*
✓ DUNEDIN H P HOOD INC STACK, (1972) ✓	*
✓ DUNEDIN H P HOOD INC TANK, (1972) ✓	*
✓ DUNEDIN MUN N TANK, 1972 ✓	*
✓ DUNEDIN SAN CHRISTOPHER TANK, (1972) ✓	*

FLORIDA- NOAA Coastal Boundary Mapping Program

Horizontal Control

Map TP- 00967

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
LARGO MUN TANK, 1972 ✓ HOG ISLAND, 1934 ✓ SEASIDE, 1910 MUD, 1910 BIG PASS, 1910 LITTLE PASS 1910 NEW 1925	* = See 1972 Description by J.C.L.; See unadjusted field position Fla. Vol. II, Quad: 280823, Page 426

NOAA FORM 76-41
(6-75)U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
			STATE	ZONE		X	Y	ϕ LATITUDE	λ LONGITUDE		
TP-00967		CM-7612	NA	-1927						Rockville, MD.	
	HOG ISLAND 1934	280823 QO-045			17	X= 232,609.79 Y= 1,363,741.19		ϕ λ			
	SEASIDE 1910	VOL II 428			18	X= 247,231.06 Y= 1,363,314.65		ϕ λ			
	DUNEDIN N. MUN. TANK, 1973	QO-408 280823			204100	X= 249,165.02 Y= 1,350,978.68		ϕ λ			
	DUNEDIN ISLES MUN. TANK 1934	QO-154 280823			19	X= 248,828.81 Y= 1,347,027.83		ϕ λ			
	MUD, 1910	VOL II 433			20	X= 237,443.25 Y= 1,344,982.30		ϕ λ			
	BIG PASS, 1910	VOL II 434			21	X= 237,375.02 Y= 1,335,350.58		ϕ λ			
	DUNEDIN SILVER MUN TANK DIS, 1925	280823 QO 513			22	X= 245,324.41 Y= 1,337,965.90		ϕ λ			
	LITTLE PASS, 1910	VOL II See p. 439			23	X= 233,477.86 Y= 1,321,680.23		ϕ λ			
	CLEARWATER SILVER MUN. TANK KEG, 1925	270824 QO-413			24	X= 241,540.01 Y= 1,323,752.96		ϕ λ			
	CLEARWATER BELLEVUE HOTEL STACK, 1925	270824 QO-414			25	X= 238,320.26 Y= 1,313,080.25		ϕ λ			
COMPUTED BY					DATE	COMPUTATION CHECKED BY				DATE	
LISTED BY	R. RICH				DATE	LISTING CHECKED BY				DATE	
HAND PLOTTING BY					DATE	HAND PLOTTING CHECKED BY				DATE	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.

TP-00967

JOB NO.

CM-7612

GEODETTIC DATUM

WA-1927

ORIGINATING ACTIVITY

Rockville, MD.

STATION NAME

BELLEAIR SILVER
MUN TANK, 1934

NEW, 1925

DUNEDIN SAN 1973
CHRISTOPHER ST TANK

DUNEDIN H.P. HOOD INC.
TANK 1973

CLEARWATER 1977
WESTON DRIVE, TANK

CLEARWATER.
GEN. TEL. TOWER, 1973

CLETAWATER
MUN STANDPIPE, 1973

CLEARWATER RADIO
STA WTAN MAST 1973

CLEARWATER 1973
FIRST UNITED METH. CH.

CLEARWATER SILVER
MUN. TANK BAK 1925

COMPUTED BY

DATE _____

LISTED BY

R. Rich

DATE _____

HAND PLOTTING BY

DATE _____

HAND PLOTTING CHECKED BY

HAND PLOTTING CHECK

DATE _____

DATE _____

DATE _____

COMBINATION CHECKED BY
J. L. 1, 228, 4

CONFIDENTIAL

LISTING CHECKED BY

DATE _____

HAND PLOTTING CHECKED BY

DATE _____

DATE _____

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	AEROTRI- ANGULATION POINT NUMBER		COORDINATES IN FEET STATE <u>FLORIDA</u> ZONE <u>WGS7</u>		GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE		ORIGINATING ACTIVITY	REMARKS
TP-00967		CM-7612							NA-1927	Rockville, Md.
	CLEARWATER NORTON PARK TANK, 1973	270824 90-215	201143		X= 244,614.47 Y= 1,313,339.13	ϕ λ				
	LARGO MUN TANK, 1973	270824 90-494	201141		X= 244,667.84 Y= 1,304,202.21	ϕ λ				
	BELLEAIR BCH COUNTY TANK, 1973	270824 90-226	201140		X= 228224.27 Y= 1,303,346.82	ϕ λ				
	CLEARWATER BEACH MUN. TANK, 1973	270824 90-325	202100		X= 232,970.37 Y= 1,327,811.37	ϕ λ				
	DUNKLIN H.P. HOOD, INC., STACK, 1973	290823 00-208	NOT USED		X= 246,315.71 Y= 1,341,300.37	ϕ λ				
					X= Y= X= Y=	ϕ λ ϕ λ				
					X= Y= X= Y=	ϕ λ ϕ λ				
					X= Y= X= Y=	ϕ λ ϕ λ				
					X= Y= X= Y=	ϕ λ ϕ λ				
					X= Y= X= Y=	ϕ λ ϕ λ				
COMPUTED BY			DATE		COMPUTATION CHECKED BY				DATE	
LISTED BY			DATE		LISTING CHECKED BY				DATE	
HAND PLOTTING BY			DATE		HAND PLOTTING CHECKED BY				DATE	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

Compilation Report

TP-00967

October 1977

31. Delineation

All features were delineated by graphic compilation. The 1976 rectified prints of the color photography, controlled by map points determined by aerotriangulation methods, were used for compiling shoal and shallow areas, interior features, cultural shoreline, and limits of vegetation.

The tidal datum lines were compiled from office interpretation of the ratio tide-coordinated 1976 black-and-white infrared photography which was controlled by common detail compiled from the rectified prints of the color photography and points located during bridging.

32. Horizontal Control

Horizontal control was adequate (see Photogrammetric Plot Report).

33. Supplemental Data - None34. Contours and Drainage

Contours are not applicable. Drainage was compiled from office interpretation of the tide-coordinated photography.

35. Shoreline and Alongshore Detail

Office interpretation of the photography was adequate for delineating the shoreline and alongshore details.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

There are 117 fixed aids to navigation and 24 landmarks recommended for charting on this map. Thirty-one of the fixed aids were located by photogrammetric methods during bridging or compilation and are to be verified during field edit. Sixteen of the 24 landmarks are triangulation. Eight landmarks and 86 aids will be located during edit.

38. Control for Future Surveys - None39. Junctions

Refer to NOAA Form 76-36B.

40. Horizontal Accuracy

This map complies with the National Map Accuracy Standards and with the accuracy requirements for the Florida Coastal Mapping Program as outlined by the Project Instructions for PH-7000.

41. thru 45. Inapplicable46. Comparison with Existing Maps

Comparison was made with the following USGS quads:

Dunedin, Florida, 1974; Scale 1:24,000

Clearwater, Florida 1974; Scale 1:24,000

47. Comparison with Nautical Charts

Comparison was made with the following Nautical Charts:

11410 (858) 15th Edition, March 5, 1977, Scale 1:40,000

Items to be applied to Nautical Charts immediately:

Copies of this Class III map have been furnished the Marine Chart Division, at their request, for a general updating of all affected charts.

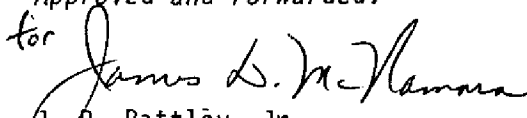
Items to be carried forward: None

Submitted by,



R.D. Rich

Approved and Forwarded:

for 
J. P. Battley, Jr.
Chief, Coastal Mapping Section

FIELD EDIT REPORT TP-00967, JOB CM-761251. METHODS

Field edit was performed under instructions dated January 30, 1978 from Chief, Coastal Mapping Division, Rockville Maryland.

The shoreline was inspected from a small boat while cruising just off shore. Notes regarding the shoreline and along shore features were made on the photographs.

Seventeen triangulation stations were recovered.

Field edit notes will be found on the photographs, field edit sheet and discrepancy print.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit.

53. MAP ACCURACY

No test required.

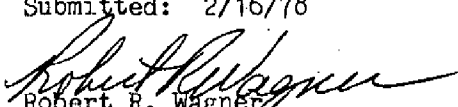
54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted: 2/16/78


Robert R. Wagner
Chief, Photo Party 66

REVIEW REPORT

TP-00967

July 1983

61. General Statement

Refer to the summary bound with this Descriptive Report.

62. Comparison with Registered Topographic Surveys - None63. Comparison with Maps of Other Agencies

Refer to the Compilation Report, paragraph 46, bound with this Descriptive Report.

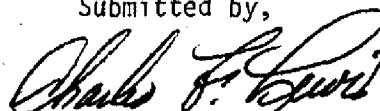
64. Comparison with Contemporary Hydrographic Surveys - None65. Comparison With Nautical Charts

Refer to the Compilation Report, paragraph 47, bound with this Descriptive Report.

66. Adequacy of Results and Future Surveys

This map complies with the Project Instructions and meets the requirements for National Standards of Map Accuracy.

Submitted by,

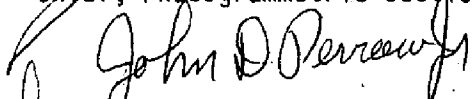


Charles F. Lewis

Approved and Forwarded:



Chief, Photogrammetric Section



for Chief, Photogrammetry Branch

June 22, 1978

GEOGRAPHIC NAMES
FINAL NAME SHEET
CM-7612 (Mullet Key to Port Richey, Fla.)
TP-00967

Belleair	Dunedin	Minnow Creek
Belleair Beach	Dunedin Beach	Moonshine Island
Belleair Bluffs	Dunedin Causeway	Ozona
Belleair Shores	Dunedin Channel	Palm Harbor
Bellevue Island	Dunedin Isles	Pelican Cove
Bird Key	Dunedin Pass	Pelican Point
Brickyard Creek	Garden Memorial Causeway	Pope Channel
Burghstream Point	Grassy Key	Redfish Point
Caladesi Island	Gulf of Mexico	St. Joseph Sound
Caladesi Island State Park	Harbor View	Sand Key
Cedar Creek	Honeymoon Island	Sand Keys
Clearwater	Hurricane Pass	Scharrer Bayou
Clearwater Bay	Island Estates	Scharrer Cut
Clearwater Beach	Largo	Seaboard Coast Line
Clearwater Beach Island	Little Bayou	Seaside Point
Clearwater Harbor	Lone Oak Point	Seven Mouth Creek
Clearwater Pass	Lungrun Cove	Smith Islands
Clearwater Point	Malone Island	Stevensons Creek
Core Island	Malone Point	Sutherland Bayou
Curlew Creek	Mandalay Channel	Ward Island

Approved by:

Charles E. Harrington
Charles E. Harrington
Chief Geographer - ~~051x2~~ IV/CG 2x5
9/7/83

DISSEMINATION OF PROJECT MATERIAL

CM-7612

National Archives/Federal Records Center

Red Jacket:

Field Notebooks C&GS Form 251
C&GS Form 277
C&GS Form 634
NOAA Form 77-53

Tidal Bench Mark Descriptions
Sketches and Computations
Field Edit Discrepancy Print
Cronaflex Planetable Sheet
Field Photographs
CSI Cards

Bureau Archives

Registered Copy of Each Map
Descriptive Report of Each Map

Reproduction Division

8x Reduction Negative of Each Map

Office of Staff Geographer

Geographic Names Standard

76-40

PHOTOGRAMMETRIC BRANCH

NATIONAL OCEAN SURVEY NOAA

VERSION

LISTING

COASTAL-MAPPING-DIVISION

DEPARTMENT-OF-COMMERCE-USA

78-2707

SVY TP00967

JOB CM7612

PRJ 833205

DTM NA 1927

RPT UNIT CMD-ROCKVILLE, MD.

STATE FLORIDA

LOCALITY CLEARWATER HARBOR

DATE 03/27/78

PAGE 1 OF 16

ORIGINATING ACTIVITY

COMPILATION

03JECTS INSPECTED FROM SEAWARD

POSITIONS DETERMINED

AND/OR VERIFIED BY

FIELD AND OFFICE

ACTIVITIES

ROBERT R. WAGNER

ROBERT R. WAGNER

RONALD D. RICH

ALFRED JETHEA

JAMES H. TAYLOR

PHOTO FIELD PARTY

FIELD REPRESENTATIVE

OFFICE COMPILER

DIGITIZER

DATA PROCESSER

OFFICE

KEY FOR ENTRIES UNDER METHOD AND DATE OF LOCATION

FIELD (CONT., D.)

1. OFFICE IDENTIFIED AND LOCATED OBJECTS.

THE NUMBER AND DATE (INCLUDING MONTH, DAY AND YEAR) OF THE PHOTOGRAPH USED TO IDENTIFY AND LOCATE THE OBJECT ARE SHOWN.

EXAMPLE 75E(C)6042

8-12-77

8-12-77

74L(C)-2982

FIELD

1. NEW POSITION DETERMINED OR VERIFIED

KEY TO SYMBOLS

F-FIELD

L-LOCATED

V-VERIFIED

1-TRIANGULATION

2-TRAVERSE

3-INTERSECTION

4-RESECTION

5-FIELD IDENTIFIED

6-THEODOLITE

7-PLANETABLE

8-SEXTANT

A. FIELD POSITIONS* SHOW THE METHOD OF LOCATION AND DATE OF FIELD WORK.

EXAMPLE F-2-6-L

8-12-76

2. TRIANGULATION STATION RECOVERED

WHEN A LANDMARK OR AID WHICH IS ALSO A TRIANGULATION STATION IS RECOVERED, A TRIANG. REC. WITH DATE OF RECOVERY IS SHOWN.

EXAMPLE TRIANG.-REC.

8-12-76

3. POSITION VERIFIED VISUALLY ON PHOTOGRAPH SHOWN BY V-VIS AND DATE.

EXAMPLE V-VIS

8-12-75

FIELD POSITIONS ARE DETERMINED BY FIELD

OBSERVATIONS BASED ENTIRELY UPON GROUND SURVEY METHODS

PHOTOGRAMMETRIC FIELD POSITIONS ARE

DEPENDENT ENTIRELY, OR IN PART, UPON CONTROL ESTABLISHED BY PHOTOGRAMMETRIC METHODS.

NOTE: WHERE THE NAME OF AN AID INCLUDES THE IMMEDIATE GEOGRAPHIC HEADING UNDER WHICH IT IS LISTED, A DASH (-) IS USED TO INDICATE THE GEOGRAPHIC HEADING WHICH IS PART OF THE OFFICIAL NAME.

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA
 LISTING COASTAL MAPPING DIVISION DEPARTMENT OF COMMERCE-USA
 DATA-B VERSION 782707

* SVY FP00967 * RPT UNIT CMD-ROCKVILLE, MD. * PAGE 2 OF 16
 * JOB CM7612 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA
 * PRJ 833205 * TO BE CHARTED * LOCALITY CLEARWATER HARBOR * ORIGINATING ACTIVITY
 * DTM NA 1927 * DATE 03/27/78 * COMPILATION

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

* CHARTING *	* RECORD REASON FOR DELETION *	* POSITION *	* CMD *	* METHOD AND DATE *	* CHARTS *
* NAME *	* PUT TRIANGULATION NAMES IN () *	* LATITUDE DM *	* AL-TEK *	* OF LOCATION *	* FIELD * AFFECTED *
* 1 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 1257 *
* 2 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 DGIZD *	* 0.0 DGIZD *	* 11410 *
* 3 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 1257 *
* 4 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 11410 *
* 5 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 1257 *
* 6 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 11410 *
* 7 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 1257 *
* 8 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 11410 *
* 9 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 1257 *
* 10 *	* NOT LOCATED FOR THIS PROJECT *	* 00 00 00.00 *	* 0.0 NOT *	* 0.0 DGIZD *	* 11410 *

* BOCA CIEGA BAY *
 * CLEARWATER HARBOR *

* 27 56 32.18 990.6 * V-VIS * 1257 *
 * 82 49 12.22 334.1 * 09/27/76 * 02/01/78 * 11410 *
 * 27 56 31.98 384.4 * 76CC9671 * V-VIS * 1257 *
 * 82 49 10.25 260.2 * 11/04/76 * 02/01/78 * 11410 *
 * 27 56 06.58 202.5 * 76CC9672 * V-VIS * 1257 *
 * 82 49 21.36 584.0 * 11/04/76 * 02/01/78 * 11410 *

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA DATA-18
 LISTING COASTAL-MAPPING-DIVISION DEPARTMENT-OF-COMMERCE-USA VERSION 78-2707

SVY TP00967 * RPT UNIT CMD ROCKVILLE, MD. * PAGE 3 OF 16
 * JOB CM7612 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA
 * PRJ 833205 * TO BE CHARTED * LOCALITY CLEARWATER-HARBOR * ORIGINATING ACTIVITY
 * DFM NA 1927 * DATE 03/27/78 * COMPILATION

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

	DESCRIPTION	POSITION	CMD	METHOD	DATE	
	RECORD REASON FOR DELETION	LATITUDE	DM	ALTEK	OF LOCATION	CHARTS
NAME	PUT TRIANGULATION NAMES IN ()	LONGITUDE	DP	OGTZO	OFFICE	FIELD
						AFFECTED
- DYBN *	BOCA CIEGA BAY	27 57 10.75	330.9	* 76CC9670	* V-VIS	* 1257
11 *	CLEARWATER-HARBOR	82 48 49.63	1358.0	* 11/04/76	* 02/01/78	* 11410
- LIGHT *		27 57 29.32	902.5	* 76BC0201	* V-VIS	* 1257
12 *		82 48 36.69	1002.9	* 09/27/76	* 02/01/78	* 11410
- DYBN *		27 57 35.59	1095.5	* 76CC9670	* V-VIS	* 1257
13 *		82 48 35.02	957.2	* 11/04/76	* 02/01/78	* 11410
- LIGHT *		27 58 06.37	196.1	* 76BC0201	* V-VIS	* 1257
14 *		82 48 14.90	407.2	* 09/27/76	* 02/01/78	* 11410
- LIGHT *	CLEARWATER FISHHOUSE PIER LT.	00 00 00.00	0.0	NOT		* 1257
	NOT LOCATED FOR THIS PROJECT	00 00 00.00	0.0	OGTZO		* 11410
- LIGHT *		27 57 39.16	1205.4	* 76BC0202	* V-VIS	* 1257
15 *		82 48 54.12	1479.3	* 09/27/76	* 02/01/78	* 11410
- DYBN *		27 58 31.16	959.2	* 76CC9668	* V-VIS	* 1257
15A *		82 48 14.33	391.6	* 11/04/76	* 02/01/78	* 11410
- DYBN *		27 57 31.54	970.9		* V-VIS	* 1257
16 *		82 48 43.76	1196.1		* 02/01/78	* 11410
- DYBN *		27 58 42.84	1318.7	* 76CC9667	* V-VIS	* 1257
17 *		82 48 13.34	364.6	* 11/04/76	* 02/01/78	* 11410
- LIGHT *		27 59 06.40	197.0	* 76BC0202	* V-VIS	* 1257
18 *		82 48 04.74	129.5	* 09/27/76	* 02/01/78	* 11410

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA
 LISTING COASTAL-MAPPING-DIVISION DEPARTMENT-OF-COMMERCE-USA
 DATA-1A-B VERSION 782707

* SVY TP00967 * RPT UNIT CMD-ROCKVILLE, MD. * PAGE 4 OF 16 *
 * JOB CM7612 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA *
 * PRJ 8332-05 * TO BE CHARTED * LOCALITY CLEARWATER HARBOR * ORIGINATING ACTIVITY *
 * OTM NA 1927 * DATE 03/27/78 * COMPILATION *
 * THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *
 * DESCRIPTION * POSITION CMD * METHOD AND DATE * CHARTS *
 * CHARTING * RECORD REASON FOR DELETION * LATITUDE DM ALTEK * OF LOCATION * CHARTS *
 * NAME * PUT TRIANGULATION NAMES IN () * LONGITUDE DP DGTD * OFFICE * FIELD * AFFECTED *

* - DYBN * 30CA CIEGA BAY * 27 59 06.76 208.1 * 76CC9667 * V-VIS * 1257 *
 * 19 * CLEARWATER HARBOR * 82 48 06.41 175.2 * 11/04/76 * 02/01/78 * 11410 *
 * - DYBN * 30CA-GIEGA-BAY * 27 59 28.52 877.9 * 76CC9665 * V-VIS * 1257 *
 * 1 * ST. JOSEPH SOUND * 82 48 04.39 120.0 * 11/04/76 * 02/02/78 * 11410 *
 * - DYBN * * 27 59 51.59 1568.0 * 76CC9665 * V-VIS * 1257 *
 * 2 * * 82 48 00.69 18.9 * 11/04/76 * 02/02/78 * 11410 *
 * - DYBN * * 28 00 10.16 312.7 * 76CC9594 * V-VIS * 1257 *
 * 3 * * 82 48 00.96 26.2 * 11/04/76 * 02/02/78 * 11410 *
 * - LIGHT * * 28 00 32.35 995.8 * 76BC0203 * V-VIS * 1257 *
 * 4 * * 82 47 57.37 1567.4 * 09/27/76 * 02/02/78 * 11410 *
 * - DYBN * * 28 00 33.98 1046.0 * 76CC9594 * V-VIS * 1257 *
 * 5 * * 82 47 59.08 1614.1 * 11/04/76 * 02/02/78 * 11410 *
 * - DYBN * * 28 00 56.72 1746.0 * 76CC9594 * V-VIS * 1257 *
 * 7 * * 82 47 57.41 1568.4 * 11/04/76 * 02/02/78 * 11410 *
 * - DYBN * * 28 01 17.64 543.0 * 76CC9596 * V-VIS * 1257 *
 * 8 * * 82 47 53.55 1462.9 * 11/04/76 * 02/02/78 * 11410 *
 * - DYBN * * 28 01 39.74 1223.3 * 76CC9596 * V-VIS * 1257 *
 * 9 * * 82 47 53.64 1465.2 * 11/04/76 * 02/02/78 * 11410 *
 * - DYBN * * 28 01 57.01 1754.9 * 76CC9596 * V-VIS * 1257 *
 * 10 * * 82 47 50.27 1373.1 * 11/04/76 * 02/02/78 * 11410 *

76-40		PHOTOGRAMMETRIC BRANCH		NATIONAL OCEAN SURVEY		NOAA		DATA-TAB	
LISTING		COASTAL MAPPING DIVISION		DEPARTMENT OF COMMERCE-USA		VERSION		782707	
* SVY	TP00-967	* RPT UNIT	CMO ROCKVILLE, MO.	* PAGE	5 OF 16				
* JOB	CM7612	* NONFLOATING AIDS FOR CHARTS	STATE FLORIDA						
* PRJ	633205	* LOCALITY	CLEARWATER HARBOR	* ORIGINATING ACTIVITY					
* DTM	NA 1927	* DATE	03/27/78	* COMPILATION					
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *									
* CHARTING	RECORD REASON FOR DELETION	* POSITION	CMD	* METHOD AND DATE	* CHARTS				
* NAME	* PUT TRIANGULATION NAMES IN ()	* LONGITUDE	DP	* OFFICE	* FIELD	* AFFECTED			
* BOCA CIEGA BAY * 28 02 16.40 504.8 * 768C0203 * V-VIS * 1257 *									
* ST. JOSEPH SOUND * 82 47 50.46 1378.2 * 09/27/76 * 02/02/78 * 11410 *									
* DYBN * 28 02 15.74 484.5 * 76CC9597 * V-VIS * 1257 *									
* 12 * 82 47 48.77 1332.1 * 11/04/76 * 02/02/78 * 11410 *									
* DYBN * 28 02 39.58 1218.4 * 768C0203 * V-VIS * 1257 *									
* 13 * 82 47 46.18 1261.3 * 09/27/76 * 02/02/78 * 11410 *									
* LIGHT * 28 02 43.35 1334.4 * 768C0203 * V-VIS * 1257 *									
* 14 * 82 47 43.15 1178.5 * 09/27/76 * 02/02/78 * 11410 *									
* DYBN * 28 02 47.20 1452.9 * 76CC9597 * V-VIS * 1257 *									
* 15 * 82 47 45.04 1230.1 * 11/04/76 * 02/02/78 * 11410 *									
* LIGHT * CALADESI ISLAND CHANNEL LIGHT * 28 02 18.95 584.6 * 763C0203 * V-VIS * 1257 *									
* 2 * 82 48 46.77 1277.5 * 09/27/76 * 02/02/78 * 11410 *									
* DYBN * CALDESI ISLAND CHANNEL DYBN. * 00 00 00.00 0.0 NOT * 1257 *									
* 3 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGTZD * 11410 *									
* DYBN * CALDESI ISLAND CHANNEL DYBN. * 00 00 00.00 0.0 NOT * 1257 *									
* 4 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGTZD * 11410 *									
* DYBN * CALDESI ISLAND CHANNEL DYBN. * 00 00 00.00 0.0 NOT * 1257 *									
* 5 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGTZD * 11410 *									
* DYBN * CALDESI ISLAND CHANNEL DYBN. * 00 00 00.00 0.0 NOT * 1257 *									
* 6 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGTZD * 11410 *									

* SVY 7P00967 * RPT UNIT CMB ROCKVILLE, MD. * PAGE 6 OF 16 *

* JOB CM7612 * STATE FLORIDA *

* PRJ 833205 * LOCALITY CLEARWATER HARBOR * ORIGINATING ACTIVITY *

* DTM NA 1927 * DATE B3/27/78 * COMPILATION *

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

* * *	* DESCRIPTION	* POSITION	* CMD *	* METHOD AND DATE	* *
* CHARTING *	RECORD REASON FOR DELETION	* LATITUDE	DM	ALTEK *	CHARTS *
* NAME *	PUT TRIANGULATION NAMES IN ()	* LONGITUDE	DP	DGTZO *	AFFECTED *

#	NAME	#	NAME	#	NAME	#	NAME	#	NAME
1	BOCA CIEGA BAY	2	ST. JOSEPH-SOUND	3		4		5	

*--	DYBN	*--CALADESI-ISLAND-CHANNEL-DYBN	*--00-00-00.00	*--0.0	*--NOT	*--
*						1257 *
*	?	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	0.0	OCT70*	11410 *

* *	DY3N	* CALADESI ISLAND CHANNEL DY3N.	*	00	00	00.00	0.0	NOT	*		1257	*
* *	DY3N	* CALADESI ISLAND CHANNEL DY3N.	*	00	00	00.00	0.0	NOT	*		1257	*

_DYBN	CALADESI-ISLAND-CHANNEL-DYBN	*_00-00-00.00	0.0	NOT *	*_1257.7
---------	------------------------------	---------------	-----	-------	----------

* DYBN * CALADESI ISLAND CHANNEL OYBN.	* 00 00 00.00	0.0	NOT *	*	1257 *
--	---------------	-----	-------	---	--------

* DRYBN * GALAPAGOS ISLAND CHANNEL DRYBN * 0.0 0.0 0.0 0.0 0.0 NOT * 1257 *

* * *	* * *	* * *	* * *	* * *	* * *
* - DYEN *	COMMODORE	INTERNATIONAL	YACHT	* 2A 02 55.02	1593.6 * 76CC9598 * V-VIS * 1257 *

1	LEOB	02-41-40-24	10-59-00	1-17-04-1-0	02-03-1-0	11410
*						
*	DVON *	08 03 52 06	1550	* 760C0508	* M-VIS	1257 *

* * *
#
2 +
+ 82 47 40.60 1108.8
+ 11/04/76 + 02/03/78 +
11410 *

* * * 3 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGJZD * * 11410 *

76-40		PHOTOGRAMMETRIC BRANCH		NATIONAL OCEAN SURVEY NOAA		DATA-1A8	
LISTING		COASTAL-MAPPING-DIVISION		DEPARTMENT-OF-COMMERCE-USA		VERSION	
						782707	
* SVY	IP00967	* RPT UNIT	CMO-ROCKVILLE, MD.	* PAGE	7 OF 16		
* JOB	CM7612	* NONFLOATING AIDS FOR CHARTS	STATE FLORIDA				
* PRJ	833205	* TO BE CHARTED	LOCALITY CLEARWATER-HARBOR	* ORIGINATING ACTIVITY			
* DTM	NA 1927	* DATE	03/27/78	* COMPILATION			
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *							
* CHARTING	RECORD-REASON-FOR-DELETION	* POSITION	CMD	* METHOD AND DATE			
* NAME	* PUT TRIANGULATION NAMES IN ()	* LATITUDE	OM	* ALTEK	* OF LOGATION	* CHARTS	
		* LONGITUDE	DP	* DGIZD	* OFFICE	* FIELD	* AFFECTED
* BOCA CIEGA BAY							
* ST. JOSEPH SOUND							
* DYBN	COMMODORES INT. YACHT CLUB	* 00 00 00.00	0.0	NOT	* 1257		
* 5	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	0.0	DGIZD	* 11410		
* - DYBN	ST. JOSEPH SOUND	* 28 03 19.84	610.7	* 76CC9599	* V-VIS	* 1257	
* 17		* 82 47 45.60	1245.3	* 11/04/76	* 02/03/78	* 11410	
* - LIGHT		* 28 03 23.06	709.8	* 768C0204	* V-VIS	* 1257	
* 18		* 82 47 43.29	1182.2	* 09/27/76	* 02/03/78	* 11410	
* - DYBN		* 28 03 26.21	806.8	* 76CC9599	* V-VIS	* 1257	
* 19		* 82 47 47.08	1285.7	* 11/04/76	* 02/03/78	* 11410	
* - DYBN		* 28 03 43.21	1330.1	* 76CC9599	* V-VIS	* 1257	
* 21		* 82 47 57.26	1563.6	* 11/04/76	* 02/03/78	* 11410	
* - DYBN		* 28 03 59.60	1834.6	* 76CC9599	* V-VIS	* 1257	
* 22		* 82 48 04.77	130.3	* 11/04/76	* 02/03/78	* 11410	
* - LIGHT		* 28 04 02.40	73.9	* 768C0204	* V-VIS	* 1257	
* 23		* 82 48 08.60	234.8	* 09/27/76	* 02/03/78	* 11410	
* - LIGHT	OZONA CHANNEL	* 28 04 10.63	327.2	* 768C0204	* V-VIS	* 1257	
* 2		* 82 48 09.50	259.4	* 09/27/76	* 02/03/78	* 11410	
* - DYBN		* 28 04 12.50	384.8	* 76CC9600	* V-VIS	* 1257	
* 3		* 82 48 09.70	264.9	* 11/04/76	* 02/03/78	* 11410	

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA
 LISTING COASTAL MAPPING DIVISION DEPARTMENT OF COMMERCE-USA
 DATA TAB VERSION 782207

* SVY TP00967 * RPT UNIT CMD ROCKVILLE, MD. * PAGE 8 OF 16 *
 * JOB CM7612 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA *
 * PRJ 833205 * TO BE CHARTED * LOCALITY CLEARWATER HARBOR * ORIGINATING ACTIVITY *
 * DTM NA 1927 * DATE 03/27/78 * COMPILATION *
 * THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *
 * * * * *
 * DESCRIPTION * POSITION CMD * METHOD AND DATE * *
 * CHARTING * RECORD REASON FOR DELETION * LATITUDE DM ALTK * OF LOCATION * CHARTS *
 * NAME * PUT TRIANGULATION NAMES IN () * LONGITUDE DP DGTD * OFFICE * FIELD * AFFECTED *
 * * * * *
 * BOCA CIEGA BAY TO ANCLOTE AN- * * * * *
 * CHORAGE * * * * *
 * * * * *
 * OZONA CHANNEL * 00 00 00.00 0.0 NOT * * 1257 *
 * 4 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGTD * * 11410 *
 * * * * *
 * - DYBN * 00 00 00.00 0.0 NOT * * 1257 *
 * 5 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGTD * * 11410 *
 * * * * *
 * - DYBN * 00 00 00.00 0.0 NOT * * 1257 *
 * 6 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGTD * * 11410 *
 * * * * *
 * - DYBN * 00 00 00.00 0.0 NOT * * 1257 *
 * 7 * NOT LOCATED FOR THIS PROJECT * 00 00 00.00 0.0 DGTD * * 11410 *
 * * * * *
 * - DYBN * 28 04 10.92 336.4 * 76CC9600 * V-VIS * 1257 *
 * 8 * 82 46 55.31 1510.3 * 11/04/76 * 02/03/78 * 11410 *
 * * * * *
 * - DYBN * 28 04 12.40 361.7 * 76CC9600 * V-VIS * 1257 *
 * 9 * 82 46 55.29 1509.7 * 11/04/76 * 02/03/78 * 11410 *
 * * * * *
 * - DYBN * 28 04 33.12 1019.5 * 76CC9601 * V-VIS * 1257 *
 * 26 * 82 46 17.26 471.3 * 11/04/76 * 02/03/78 * 11410 *
 * * * * *
 * - DYBN * 00 00 00.00 0.0 NOT * * 1257 *
 * 27 * 00 00 00.00 0.0 DGTD * * 11410 *
 * * * * *
 * * * * *
 * * * * *

SVY IP80967 * RPT UNIF CMD ROCKVILLE, MD. * PAGE 9 OF 16
 JOB CM7612 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA
 PRJ 633295 * TO BE CHARTED * LOCALITY CLEARWATER HARBOR * ORIGINATING ACTIVITY
 DTM NA 1927 * DATE 03/27/78 * COMPILATION

THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

CHARITING	RECORD REASON FOR DELETION	POSITION	CMD	METHOD AND DATE	CHARIS
NAME	PUT TRIANGULATION NAMES IN ()	LATITUDE DM	ALTEK	OF LOCATION	
		LONGITUDE DP	DGTZD	OFFICE	FIELD
					AFFECTED

CLEARWATER PASS

LIGHT	CLEARWATER PASS CHANNEL	27 58 05.53	170.2	763C0202	V-VIS	1257
2		82 50 18.96	518.2	09/27/76	02/06/78	11410

DYBN	NOT LOCATED FOR THIS PROJECT	00 00 00.00	0.0	NOT		1257
2A		00 00 00.00	0.0	DGTZD	X	11410

DYBN		27 58 08.11	249.6	768C0202	V-VIS	1257
3		82 50 20.00	546.6	09/27/76	02/06/78	11410

LIGHT		27 58 07.77	239.2	768C0202	V-VIS	1257
4		82 50 06.53	178.5	09/27/76	02/06/78	11410

DYBN		27 58 07.72	237.6	768C0202	V-VIS	1257
5		82 49 55.95	1529.2	09/27/76	02/06/78	11410

DYBN	NOT LOCATED FOR THIS PROJECT	00 00 00.00	0.0	NOT		1257
6		00 00 00.00	0.0	DGTZD	X	11410

LIGHT		27 57 51.90	1597.6	763C0202	V-VIS	1257
8		82 49 37.93	1036.7	09/27/76	02/06/78	11410

DYBN		27 57 51.72	1592.0	760C9670	V-VIS	1257
9		82 49 29.90	817.2	11/04/76	02/06/78	11410

LIGHT		27 57 46.53	1432.3	760C9670	V-VIS	1257
12		82 49 17.29	472.6	11/04/76	02/06/78	11410

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA DATATAB
 LISTING COASTAL MAPPING DIVISION DEPARTMENT OF COMMERCE-USA VERSION 78-27-07

* SVY IP00967 * RPT UNIT CMD ROCKVILLE, MD. * PAGE 11 OF 16 *
 * JOB CM7612 * NONFLOATING AIDS FOR CHARTS * STATE FLORIDA *
 * PROJ 833205 * TO BE CHARTED * LOCALITY CLEARWATER HARBOR * ORIGINATING ACTIVITY *
 * DTM NA 1927 * DATE 03/27/78 * COMPILATION *

* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *

* CHARTING *	* RECORD REASON FOR DELETION *	* LATITUDE *	* LONGITUDE *	* POSITION *	* CMD *	* METHOD AND DATE *	* ALTK * OF LOCATION *	* CHARTS *
* NAME *	* PUT TRIANGULATION NAMES IN () *	* * *	* * *	* * *	* * *	* * *	* * *	* * *
CLEARWATER PASS								
CLEARWATER MARINA CHANNEL								
DYBN	CLEARWATER PT MARINA CHNL DYBN	00 00 00.00	00 00 00.00	0.0	NOT			1257
1	NOT LOCATED FOR THIS PROJECT	00 00 00.00	00 00 00.00	0.0	DGTZD			11410
DYBN		00 00 00.00	00 00 00.00	0.0	NOT			1257
2	NOT LOCATED FOR THIS PROJECT	00 00 00.00	00 00 00.00	0.0	DGTZD			11410
DYBN		00 00 00.00	00 00 00.00	0.0	NOT			1257
3	NOT LOCATED FOR THIS PROJECT	00 00 00.00	00 00 00.00	0.0	DGTZD			11410
CLEARWATER HARBOR CHANNEL								
DYBN		27 57 43.06	1326.1					1257
14		82 49 08.20	224.1					11410
LIGHT								
15		27 57 39.14	1204.8					1257
		82 48 54.12	1479.3					11410
DYBN		27 57 31.54	970.9					1257
16		82 48 43.76	1196.1					11410
CAUSEWAY CHANNEL								
DYBN		27 57 33.75	1038.9					1257
17		82 48 42.61	1164.7					11410
CAUSEWAY CHANNEL								
DYBN		00 00 00.00	0.0	NOT				1257
1	NOT LOCATED FOR THIS PROJECT	00 00 00.00	0.0	DGTZD				11410
CAUSEWAY CHANNEL								
DYBN		00 00 00.00	0.0	NOT				1257
2	NOT LOCATED FOR THIS PROJECT	00 00 00.00	0.0	DGTZD				11410

76-40		PHOTOGRAMMETRIC BRANCH		NATIONAL OCEAN SURVEY		NOAA		DATA TAB	
LISTING		COASTAL MAPPING DIVISION		DEPARTMENT OF COMMERCE		USA		VERSION	
								78-2707	
* SVY	IP00967	* RPT UNIT	CMD ROCKVILLE, MD.	* PAGE	12 OF 16				
* JOB	CM7612	* NONFLOATING AIDS FOR CHARTS	* STATE FLORIDA						
* PRJ	833205	* TO BE CHARTED	* LOCALITY CLEARWATER HARBOR	* ORIGINATING ACTIVITY					
* DTM	NA 1927	* DATE	03/27/78	* COMPILATION					
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *									
* CHARTING	RECORD REASON FOR DELETION	* LATITUDE	DM	* ALTEK	* OF LOCATION	* CHARTS			
* NAME	* PUT TRIANGULATION NAMES IN ()	* LONGITUDE	DP	* DGTZD	* OFFICE	* FIELD	* AFFECTED		
* DUNEDIN PASS									
* - DYBN	* CLEARWATER PASS CAUSEWAY CHNL	* 00 00 00.00	0.0	* NOT	*	* 1257			
* 4	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	0.0	* DGTZD	*	* 11410			
* - DYBN	* 27 58 06.91	212.7		* 76009669	* V-VIS	* 1257			
* 6	* 82 48 48.10	1314.6		* 11/04/76	* 02/06/78	* 11410			
* DUNEDIN PASS									
* - DYBN	* 28 00 26.15	804.9		* 76009665	* V-VIS	* 1257			
* 9	* 82 49 34.88	953.0		* 11/04/76	* 02/07/78	* 11410			
* - DYBN	* 28 00 14.13	434.9		* 76009665	* V-VIS	* 1257			
* 11	* 82 49 25.75	703.5		* 11/04/76	* 02/07/78	* 11410			
* - DYBN	* 28 00 07.03	216.4		* 76009665	* V-VIS	* 1257			
* 12	* 82 49 21.74	594.0		* 11/04/76	* 02/07/78	* 11410			
* - DYBN	* 28 00 08.99	276.7		* 76009665	* V-VIS	* 1257			
* 13	* 82 49 19.94	544.8		* 11/04/76	* 02/07/78	* 11410			
* - DYBN	* 27 59 58.27	1793.7		* 76009665	* V-VIS	* 1257			
* 15	* 82 49 10.86	296.7		* 11/04/76	* 02/07/78	* 11410			
* - DYBN	* 27 59 50.40	1551.4		* 76009665	* V-VIS	* 1257			
* 16	* 82 49 06.56	179.2		* 11/04/76	* 02/07/78	* 11410			
* - DYBN	* 00 00 00.00	0.0	* NOT	*	* 1257				
* 17	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	0.0	* DGTZD	*	* 11410			

76-40		PHOTOGRAMMETRIC BRANCH		NATIONAL OCEAN SURVEY		NOAA		DATA TAB	
LISTING		COASTAL MAPPING DIVISION		DEPARTMENT OF COMMERCE		USA		VERSION	
								762707	
* SVY	TP00967	* RPT	UNIT	CMD	ROCKVILLE, MD.	* PAGE	13	OF	16
* JOB	CM7612	* NONFLOATING AIDS FOR CHARTS	* STATE	FLORIDA					
* PRJ	833205	* TO BE CHARTED	* LOCALITY	CLEARWATER HARBOR	* ORIGINATING	ACTIVITY			
* DTM	NA 1927	* DATE	03/27/78		* COMPILATION				
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *									
* CHARTING	* RECORD REASON FOR DELETION	* LATITUDE	* DM	* ALTK	* OF LOCATION	* CHARTS			
* NAME	* PUT TRIANGULATION NAMES IN ()	* LONGITUDE	* DP	* DGTZD	* OFFICE	* FIELD	* AFFECTED		
* DUNEDIN PASS									
* 13	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	* 0.0	* NOT			* 1257		
* 20	* 27 58 54.74	* 1685.0	* 760C9667	* V-VIS			* 1257		
* 22	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	* 0.0	* DGTZD			* 11410		
* 24	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	* 0.0	* DGTZD			* 11410		
* 25	* 27 58 30.90	* 951.2	* 760C9668	* V-VIS			* 1257		
* 1	* 82 48 18.66	* 510.0	* 11/04/76	* 02/07/78			* 11410		
* DUNEDIN PASS									
* 1	* 27 59 21.70	* 668.0	* 760C9667	* V-VIS			* 1257		
* 2	* 82 49 20.80	* 568.4	* 11/04/76	* 02/07/78			* 11410		
* DUNEDIN PASS									
* 1	* 27 59 08.44	* 259.8	* 760C9667	* V-VIS			* 1257		
* 2	* 82 49 17.53	* 479.0	* 11/04/76	* 02/07/78			* 11410		
* DUNEDIN PASS									
* 1	* 27 58 59.12	* 1819.8	* 760C9667	* V-VIS			* 1257		
* 2	* 82 49 21.20	* 579.3	* 11/04/76	* 02/07/78			* 11410		
* DUNEDIN PASS									
* 1	* 00 00 00.00	* 0.0	* NOT				* 1257		
* 2	* 00 00 00.00	* 0.0	* DGTZD				* 11410		
* DUNEDIN PASS									
* 1	* 00 00 00.00	* 0.0	* NOT				* 1257		
* 2	* 00 00 00.00	* 0.0	* DGTZD				* 11410		

76-40 PHOTOGRAMMETRIC BRANCH NATIONAL OCEAN SURVEY NOAA										DATATAB	
LISTING COASTAL MAPPING-DIVISION DEPARTMENT-OF-COMMERCE-USA										VERSION	
										782707	
* SVY	TP00967	* RPT	UNIT	CMD	ROCKVILLE, MD.	* STATE	FLORIDA	* DATE	03/27/78	* PAGE	14 OF 16
* JOB	CM7612	* NONFLOATING AIDS FOR CHARTS	* LOCALITY	CLEARWATER HARBOR	* ORIGINATING ACTIVITY	* COMPILATION					
* PRJ	833205	* TO BE CHARTED									
* DTM	NA 1927										
* THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *											
* CHARTING	* RECORD REASON FOR DELETION	* LATITUDE	* DM	* ALTEK	* OF LOCATION	* CHARTS					
* NAME	* PUT TRIANGULATION NAMES IN ()	* LONGITUDE	* OP	* DGTD	* OFFICE	* FIELD	* AFFECTED				
* DUNEDIN PASS											
* DUNEDIN CHANNEL											
* DYBN	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	* 0.0	* NOT		* 1257					
* 3		* 00 00 00.00	* 0.0	* DGTD		* 11410					
* GULF COAST											
* MANDALAY SHORES LIGHT											
* LIGHT	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	* 0.0	* NOT		* 1257					
* 2		* 00 00 00.00	* 0.0	* DGTD		* 11410					
* HURRICANE PASS											
* - DYBN	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	* 0.0	* NOT		* 1257					
* 2A		* 00 00 00.00	* 0.0	* DGTD		* 11410					
* - DYBN	* NOT LOCATED FOR THIS PROJECT	* 00 00 00.00	* 0.0	* NOT		* 1257					
* 3		* 00 00 00.00	* 0.0	* DGTD		* 11410					
* - DYBN		* 28 03 20.21	* 622.1	* 76CC9659	* V-VIS	* 1257					
* 5		* 82 46 45.55	* 1243.9	* 11/04/76	* 02/09/78	* 11410					
* - DYBN		* 28 03 18.32	* 563.9	* 76CC9659	* V-VIS	* 1257					
* 6		* 82 46 36.88	* 1007.2	* 11/04/76	* 02/09/78	* 11410					

76-40		PHOTOGRAMMETRIC BRANCH		NATIONAL OCEAN SURVEY		NOAA		DATA TAB	
LISTING		COASTAL MAPPING DIVISION		DEPARTMENT OF COMMERCE-USA		VERSION		78-2707	
* SVY	TP00967	* RPT	UNIT	CMD	ROCKVILLE, MD.	* PAGE	15 OF 16		
* JOB	CM7612	* LANDMARKS	FOR CHARTS	* STATE	FLORIDA				
* PRJ	333205	* TO BE CHARTED		* LOCALITY	CLEARWATER HARBOR	* ORIGINATING	ACTIVITY		
* DTM	NA 1927	* DATE	03/27/78	* COMPILATION					
* THE FOLLOWING OBJECTS HAVE BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS *									
* CHARTING	* RECORD REASON FOR DELETION	* LATITUDE	* DM	* ALTEK	* OF LOCATION	* CHARTS			
* NAME	* PUT TRIANGULATION NAMES IN ()	* LONGITUDE	* DP	* DGTZD	* OFFICE	* FIELD	* AFFECTED		
* TANK * (BELLEAIR BEACH COUNTY TANK, 1973) * 27 55 00.59 18.2 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 50 29.55 808.0 DGTZD * 02/15/78 * 11410 *									
* TANK * (LARGO MUNICIPAL TANK, 1973) * 27 55 10.15 312.4 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 47 26.32 719.7 DGTZD * 02/15/78 * 11410 *									
* TANK * (BELLEAIR SILVER MUNICIPAL TANK, 1934) * 27 56 02.15 66.2 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 48 03.32 90.8 DGTZD * 02/15/78 * 11410 *									
* TANK * (CLEARWATER-NORTON-PARK TANK, 1973) * 27 56 40.61 1250.0 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 47 27.58 754.0 DGTZD * 02/15/78 * 11410 *									
* TANK * (CLEARWATER SILVER MUNICIPAL TANK, 1925) * 27 56 49.28 1516.9 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 47 51.84 1417.1 DGTZD * 02/15/78 * 11410 *									
* STACK * (CLEARWATER-BELLEVUE HOTEL STACK, 1925) * 27 56 37.64 1158.6 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 48 37.73 1031.4 DGTZD * 02/15/78 * 11410 *									
* SPIRE * (CLEARWATER FIRST UNITED METHODIST CHURCH, 1973) * 27 57 32.71 1006.9 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 48 02.02 55.2 DGTZD * 02/15/78 * 11410 *									
* STAND * (CLEARWATER MUNICIPAL STAND PIPE, 1973) * 27 57 39.25 1208.2 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 46 17.66 482.7 DGTZD * 02/15/78 * 11410 *									
* RTR * (CLEARWATER RADIO STATION WIAN MAST, 1973) * 27 57 49.03 1509.2 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 48 15.38 420.4 DGTZD * 02/15/78 * 11410 *									
* MICRO * (CLEARWATER GENERAL TELE TOWER, 1973) * 27 57 59.12 1819.8 NOT * TRIANG REC * V-VIS * 1257 *									
* 82 47 02.85 77.9 DGTZD * 02/14/78 * 11410 *									

