

Original

TP-00163

TP-00163

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey ... Coastal Boundary

Job No. PH-6910 Map No. TP-00163

Classification No. Final Edition No. 1

Field Edited Map

LOCALITY

State Florida

Martin County

General Locality ... Palm Beach County

Locality ... Conch Bar to Jupiter Inlet

1970 TO 1973

REGISTRY IN ARCHIVES

DATE

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY TP. 00163

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH. 6910

PHOTOGRAMMETRIC OFFICE

Rockville, Maryland

OFFICER-IN-CHARGE

Commander Wesley V. Hull

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH. _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

General Instructions-OFFICE-NOS Cooperative Coastal Boundary Mapping, Job PH-7000, June 19, 1973. OFFICE-SUPPLEMENT I, Aug. 19, 1973. NOTE: Office & Field Edit Instructions (1973) incorporate applicable prior operational instructions. OFFICE-Supplement II, Sept. 24, 1973

2. FIELD

Aerial Photography 9-2-69
Supplement I 1/28/70
Supplement II, 3/26/70
Supplement III, 8/10/72
Field Edit (PH-7000, General instructions for Florida Coastal Zone Mapping) 1973

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

East

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	D. Brant	12/70
	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Phillips	10/71
	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: SCALE:	PLANIMETRY BY	Inapplicable	
	CHECKED BY	Inapplicable	
	CONTOURS BY	Inapplicable	
	CHECKED BY		
4. MANUSCRIPT DELINEATION SHORELINE: Graphic METHOD: Interior: Orthophoto mosaic SCALE: 1:10,000	PLANIMETRY BY	J.C. Richter	12/72
	CHECKED BY	J.P. Battley, Jr.	12/72
	CONTOURS BY	Inapplicable	
	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Taylor	7/72
	CHECKED BY	J.P. Battley, Jr.	7/72
6. APPLICATION OF FIELD EDIT DATA	BY	J.P. Battley, Jr.	12/72
	CHECKED BY	H.C. Jones	9/73
7. COMPILATION SECTION REVIEW	BY	G. Fromm	10/74
	CHECKED BY	J. Battley, Jr.	11/74
8. FINAL REVIEW	BY	D. Brant	3/75
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	6/75
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. Cator	8/75

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

COMPILATION SOURCES

TP-00163

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 E&L Cameras 6" focal length		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED B&W		ZONE	<input checked="" type="checkbox"/> STANDARD <input checked="" type="checkbox"/> DAYLIGHT
<input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Eastern	
				75th&60th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*70E(C)5864-5866	2/14/70	1336-1339	1:40,000	The stage of tide is inapplicable for the color photography.	
70L7115R-7118R	8/17/70	0902-0905	1:25,000	Refer to the following page for tide information.	
70L7016R-7019R	8/15/70	1248-1250	1:25,000		
70L6782-6785 R	8/14/70	1419-1423	1:25,000		
70L6966-6969 R	8/15/70	0848-0852	1:25,000		

REMARKS

*Photography used for the assembly of the orthophoto mosaic.

2. SOURCE OF MEAN HIGH-WATER LINE:

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

The map was field edited in 1973.

Where the shoreline is obscured by vegetation such as mangrove, the apparent shoreline symbol was used.

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

The source of the MLW line is the tide-coordinated black-and-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
Inapplicable					

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00162	ATLANTIC OCEAN	TP-00185	NO SURVEY

REMARKS Final junctions were made in the Coastal Mapping Section.

PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
ATLANTIC SHORELINE			
70L 7115R-7118R	JUPITER INLET	+0.13MHW	2.46'
70L 7016R-7019R	JUPITER INLET	-0.60MLW*	2.46'
INTERIOR WATERS			
70L 7115R-7118R	TEQUESTA; LOXAHATCHEE RIVER	+0.38MHW*	1.82'
70L7016R-7019R	TEQUESTA; LOXAHATCHEE RIVER	+0.20MLW	1.82'
70L6782R-6785R	TEQUESTA; LOXAHATCHEE RIVER	-0.08MLW	1.82'
70L6966-6969R	TEQUESTA; LOXAHATCHEE RIVER	-0.32 MHW*	1.82'
<p>*The stage of tide tolerance is greater than ± 0.30ft. specified in the instructions for some of the photography used in compiling portions of the MHW and MLW lines. The horizontal position of these lines was verified by field edit.</p>			

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

TP-00163

HISTORY OF FIELD OPERATIONS.

I. ☒ FIELD INSPECTION OPERATION *☒ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R.R.Wagner	3/73
2. HORIZONTAL CONTROL	RECOVERED BY C.V.Ullman	3/73
	ESTABLISHED BY Inapplicable	
	PRE-MARKED OR IDENTIFIED BY Inapplicable	
3. VERTICAL CONTROL	RECOVERED BY W.H.Shearouse	1/72
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY C.V.Ullman	3/73
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY C.V.Ullman	3/73
	LOCATED (Field Methods) BY C.V.Ullman	3/73
	IDENTIFIED BY R.R.Wagner	3/73
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY C.V.Ullman	3/73
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	Refer to Field Report	70L7114R	Q308,
		70L7116R	R308,T308
		70E5864	P34,A96,TIDAL 1, S305,
		70E5865	X308,TIDAL 4,TIDAL 3,
		70E5866	A170,A232,Y232,U308,
			TIDAL BOOTHE 3, TIDAL
			M34, TIDAL 1, RADAR

3. PHOTO NUMBERS (Clarification of details)

70E5864thru5866, 70L7116R, 70L7118R, 70L7017R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Landmarks and nonfloating aids to navigation were located or verified by field methods.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
70E5865	JUPITER SOUND LT. 50		
70L7116R	USAF EASTERN TEST RANGE MAST		
70L7118R	JUPITER USAF GAPPILLER RADAR DOME		

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

7. SUPPLEMENTAL MAPS AND PLANS

None

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

*Refer to the field report bound in this Descriptive Report.
Form 274, Sketchbook.

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

TP-00163

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
No map copies furnished to Nautical Charts Prior to final review.				

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
		4/9/75	Four forms submitted as final report.

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 4/9/753. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

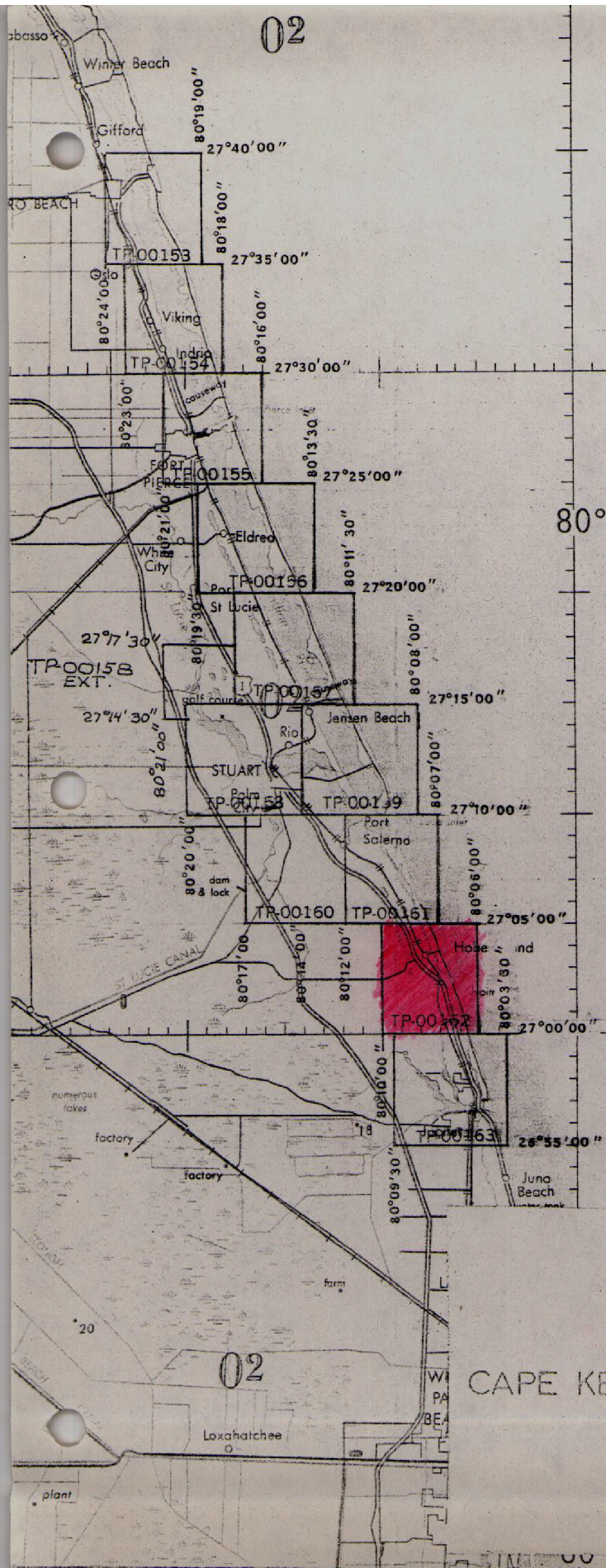
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS ^{76-36D} ~~567~~ SUBMITTED BY FIELD PARTIES.
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
 ACCOUNT FOR EXCEPTIONS:

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 <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

02



Official Mileage for Cost Accounts

Sheet No. - Area Sq. Mi.

TP-00153	7
00154	6
00155	6
00156	7
00157	7
00158	13
00159	16
00160	1
00161	2
00162	4
00163	13

Total 82

Muller Key water tank

Egmont Key

29° 32'45"

NAUTICAL MILES

STATUTE MILES

JOB PH-6910

PART 2

CAPE KENNEDY TO JUPITER INLET
FLORIDA

SHORELINE MAPPING

SCALE 10,000

Record of Decisions

TP-00163

The Record of Decisions was discontinued on June 17, 1975.
Refer to Form 76-36B bound in this Descriptive Report for
tidal datum information.

SUMMARY
TP-00153 thru TP-00163

Coastal Zone Map TP-00163 is one of eleven (11) similar maps in project PH-6910, Part 2. The layout of sheets (page 6 of this report) will show its location. These maps are intended for planning purposes by the State of Florida and for the compilation of NOS Nautical Charts.

The area is covered by aerial photography taken in 1970 on color and black and white infrared film. The infrared film was tide coordinated.

Field operations consisted of the establishment of tidal datums, control recovery, pre-marking of control, and field edit. Data for the compilation of tide stations and tidal bench marks were furnished by the Tidal Datum Planes Section. Condensed descriptions of both tidal and geodetic bench marks shown on this map were furnished by the Coastal Surveys Section.

Horizontal control was extended by analytical aerotriangulation methods using the stereo comparator. This provided control for the orthophot mosaic and compilation.

Shoreline and alongshore features were compiled from tide coordinated black and white infrared photography using a stereo plotter and graphic methods. The interior of the maps are depicted by an orthophoto mosaic.

All line work is scribed, approved symbols are shown in the marginal data.

Explanatory notes relating to datum determinations approved by a special ad hoc committee are shown on the reverse side of the maps.

All maps are published by the NOS and were printed in three colors by the Reproduction Division. A special registration copy was prepared to meet the requirements for Nautical Charts. This registration copy shows additional offshore details not shown on the published map and will be noted "Registration Copy" under the title block.

The following items will be registered in the Bureau Archives:

1. A plastic copy of the published map (1:10,000 scale).
2. A stable base positive of the registration copy (1:10,000 scale).
3. The Descriptive Report.

All negatives will be filed with the Reproduction Division.

All field data such as Forms 152, field edit photographs, profiles, field edit ozalids, etc., are filed in the Federal Records Center.

FIELD REPORT
PREMARKING HORIZONTAL CONTROL
JOB PH-6910, CAPE KENNEDY TO JUPITER INLET, FLORIDA

In accordance with Instructions - FIELD - Supplement L, Job PH-6910; Coastal Boundary Mapping, Cape Kennedy to Jupiter Inlet, Florida, twenty-two horizontal control stations were recovered and paneled in accordance with practices in use at this time. All stations were premarked for 1:40,000 scale photography.

White polyethylene plastic sheeting was used for all but 2 stations. Sketches on the CSI cards show the pattern used in each instance but most stations were paneled with a 5-ft. square target placed directly over the station mark and 3 runner-type wing panels 3.5/4' X 20' approximating 120° angles around the square.

TRIPCD 3, 1963 and WHITE 2, 1966 were premarked with black plastic, the center panel being 10' X 10' and the wing panels 8' X 20'. The ground surface at these 2 locations was considered too white for the white targets to be seen, hence the use of black material.

In addition to the sketches shown on the CSI cards the station locations have been spotted on USGS Quadrangle maps which are transmitted as part of the job data.

A recap, showing the stations as numbered on the job control diagram, the TP-map number and the quadrangle map on which it falls, follows:

STATION No.	NAME	MAP NO.	USGS QUADRANGLE
1	CENTRAL	1950 TP-00136	CAPE CANAVERAL
2	ARTESIA	1953 "	" "
3	POSE	1966 TP-00138	COCCA BEACH
4	MUNSON	1940 TP-00139	" "
5	PATRICK N. BASE	1960 TP-00140	" "
6	TRIPCD 3	1963 TP-00142	TROPIC
7	COLLEGE 2	1934 TP-00143	"
8	TURKEY CREEK	1934 TP-00144	MELBOURNE EAST
9	VALKARIA	1966 TP-00146	GRANT
10	SLIP 2	1934 TP-00149	SEBASTIAN NW
11	SEBASTIAN 2	1934 TP-00150	SEBASTIAN
12	SCORPION 2	1961 TP-00153	VERO BEACH
13	RIMMAR 2	1960 TP-00154	INDRIO
14	PIERCE 2	1963 TP-00155	FORT PIERCE
15	WHITE 2	1966 TP-00156	" "

STATION NO.	NAME		MAP NO.	USGS QUADRANGLE
16	WALTON	1930	TP-C0157	ANCONA
17	REFUGE 2 RM # 4	1967	TP-C0160	ST. LUCIE INLET
18	SEWALL	1934	TP-C0159	" " "
19	PINE	1929	TP-C0162	COMTZ
20	CISTERN	1956	TP-C0163	HOEE SOUND
21	RADAR	1954	TP-C0164	JUPITER
22	GOLF RM # 1	1934	South of TP-C0164	RIVIERA BEACH

Targets were visited after photography and found to be in good condition. No center panels were damaged except GOLF RM 1 and it was only slightly torn on its north edge. Images of all targets should be visible on the photographs.

Submitted 2/24/70

William H. Shearouse

William H. Shearouse
Chief, Photo Party 60

PHOTOGRAHMETRIC PLOT REPORT
Cape Kennedy to Jupiter Inlet, Florida (Part 2)
Job PH-6910
August 1971

21. Area Covered

This report covers the area south from an area about eight miles north of Fort Pierce Inlet to Jupiter Inlet. The job consists of eleven (11) 1:10,000 scale sheets, TP-00153 thru TP-00163.

22. Method

Two (2) strips of photographs (Nos. 27 and 28) were bridged using analytical aerotriangulation methods. Ties were made between the two strips and with a previous bridge (strip 26) from Part 1 of this project. Image points were located to rectify photographs for mosaics and to ratio infrared photography. Additional points were located for the construction of mosaic type nautical and small craft charts. The final positions of points for the two strips of photographs were determined by a 35-photo block adjustment. Closures to control have been noted on the read-outs. The attached sketch of the strips bridged shows the placement of the control used in the block adjustment. All bridge points have been plotted by the Coradimat on the Florida East Zone plane coordinate system.

23. Adequacy of Control

Horizontal control was premarked and was adequate for bridging.

24. Supplemental Data

None

25. Photography

The following 1:40,000 scale, RC-8, color photography was used in bridging:

Strip 27	70-E(C)-5861 thru 5886
Strip 28	70-E(C)-5850 thru 5858


The definition and quality of the photography was good.

Respectfully submitted,



Donald M. Brant

Approved and Forwarded:



Henry P. Eichert, Chief
Aerotriangulation Section

1. 72804 (Tie from Strip 26)

2. PIERCE 2 1963
3. WHITE 2 1966
4. WALTON 1950
5. REFUGE 2 RM 1
6. SEAWALL 1898
7. PINE 1929
8. CISTERN 1956
9. RADAR 1955
10. GOLF RM 1 1933

Note!

6. SEAWALL 1898 The map layout for PH-6910 (part 2) was revised after the zero-transmutation operation was completed. Refer to page 6

7. PINE 1929

8. CISTERN 1956 for revised layout.

Note:

9. RADAR 1955
Triangulation Station PNE 192,
Plots on Map TPOC161.

■ Tie point used in adjustment;

ΔHorizontal control used in adjustment

• 1:40,000 scale photography

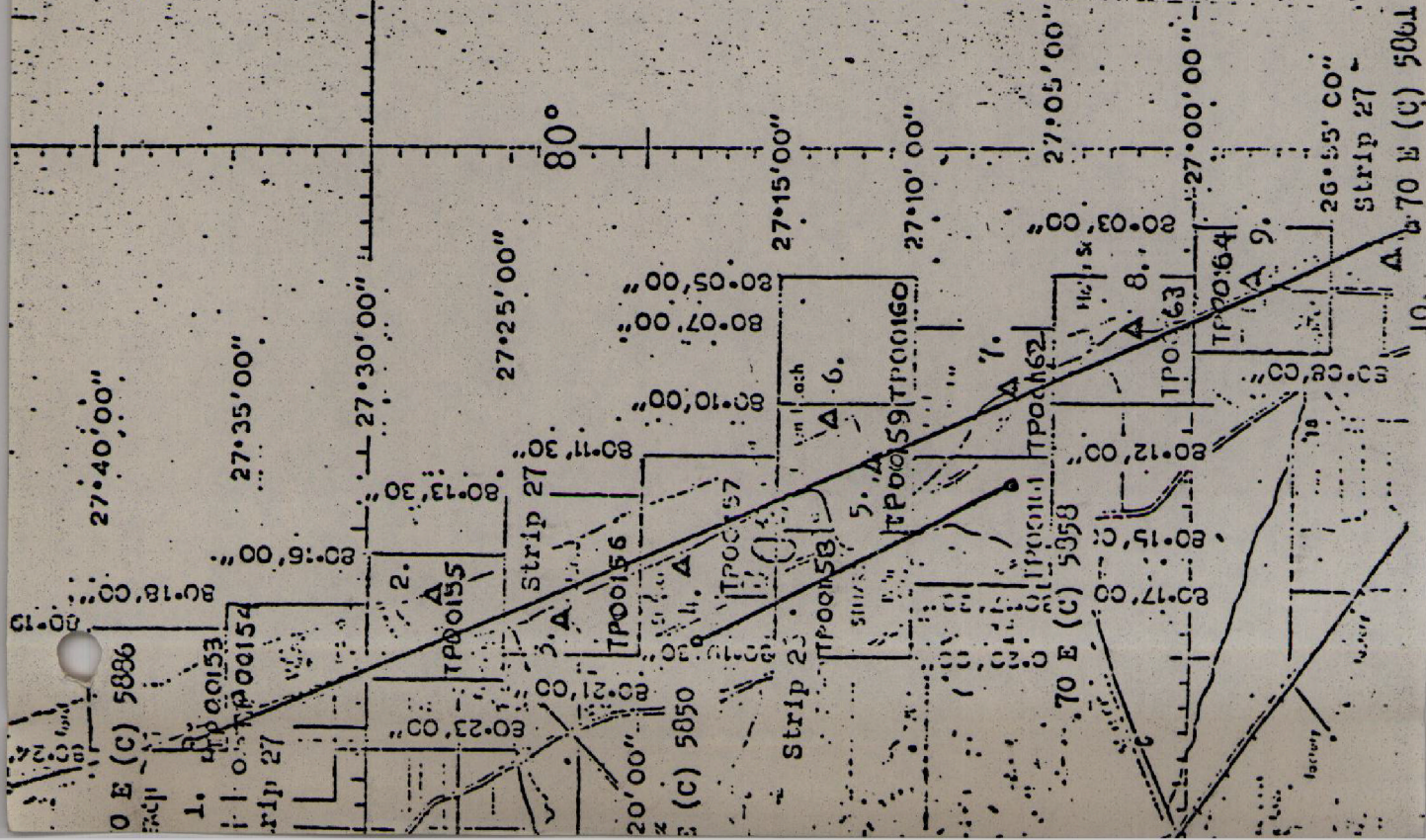
JOE P. 1-6910

PART 2

CAPE KENNEDY TO JUPITER INLET
FLORIDA

SHORELINE MAPPING

SCALE 10,000



Horizontal Control

Map TP- 00163

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
RADAR, 1955	Fla. Vol. 11, P. 588
JUPITER INLET BEACH COLONY, WATER TANK, 1955	Book 421, P 40, 48, G.P.-Fla. Vol. 1, P. 970, P.C. Fla. E Zone, P. 214
JUPITER MICRO WAVE TOWER, CENTER, 1955	Book 421, P 40, G.P.-Fla. Vol. 1, P. 917, P.C. Fla. E Zone, P. 214
JUPITER INLET LIGHT- HOUSE CENTER, 1934	Book 421, P12, 40, 49, 58, G.P.-Fla. Vol. 1, P. 192, P.C. Fla. E Zone, P.50
WILNER 3, 1944	Book 421, P. 10, 36, 52, G.P.-Fla. Vol. 1, P. 746, P.C. Fla. E Zone, P. 169
SHELL 2, 1948	Book 421, P. 36, 37, 51, G.P.-Fla. Vol. 1, P.747, P.C. Fla. E Zone, P. 161

Vertical Control - Geodetic

Map TP - 00163

Page 1 of 2

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
A 232	17.474	C&GS disk stamped A 232 1965; 61 ft. W of center of RR crossing, 50.5 ft. NW centerline Tequesta Rd., 4 ft. SW of telephone pole No. 104433.
Q 308	9.367	C&GS disk stamped Q 308 1970; 26 ft. E centerline hwy., 0.9 ft. N of S end of headwall.
R 308	6.745	C&GS disk stamped R 308 1970; 49 ft. W centerline hwy., 26 ft. No of dim woods road centerline leading W, 1 ft. NE of a 2-ft. high concrete right-of-way marker.
T 308	3.786	C&GS disk stamped T 308 1970; 49.5 ft. W centerline hwy., 1.5 ft. N of a 2-ft. high concrete right-of-way marker.
RADAR	29.695	C&GS disk stamped RADAR 1954; 99 ft. N of N corner of bldg. No. 02010, 29 ft. NW of driveway centerline, 5 ft. SW of W corner of camera pad 2002B.
M 34	12.534	C&GS disk stamped M 34 1933 12.516; 65.5 ft. NE of and across track from mile post 279, 75 ft. SW of black top road centerline.
A 96	8.225	C&GS disk stamped A 96 1942; 100 ft. W of Dixie Hwy. centerline, 41 ft. N centerline of State Hwy. 706.
A 170	12.920	C&GS disk stamped A 170 1956; 80 ft. E of and across track from milepost 280, 74 ft. SW of black top road centerline.
Y 232	14.888	C&GS disk stamped Y 232 1965; near S entrance to Jupiter Hills Country Club, 17 ft. SW of black top road centerline, 1 ft. S of S fence of club.
X 308	16.729	C&GS disk stamped X 308 1970; set on top of W end of E-W portion of seawall, 5.6 ft. E of W end of seawall.
JUPITER INLET TIDAL 1	32.641	*

*Description given under Tidal Bench Marks

FLORIDA—NOAA Coastal Boundary Mapping Program

Vertical Control—Geodetic

Map TP— 00163

Page 2 of 2

Geodetic Bench Mark	Elevations (feet)	Condensed Description
	NGVD 1929	
JUPITER INLET TIDAL 3	35.125	*
JUPITER INLET TIDAL 4	35.531	*
R305	15.620	*
S 305	6.437	*
T 305	5.423	*
U 305	3.530	*
J 309	13.829	*
BOOTHE NO. 4	4.272	*
E 309	4.255	*
F 309	7.123	*
K 309	5.335	*
Z 305	5.558	*
U 308 (SRD)	18.471	*
V 308 (SRD)	27.831	*
BOOTHE NO. 1	3.573	*
BOOTHE NO. 2	3.609	*
BOOTHE NO. 3	4.446	*

*Description given under Tidal Bench Marks

Compilation Report
TP-00163

31. Delineation

All features were delineated by graphic compilation. Control for the graphic compilation consisted of map points, determined in aerotriangulation, and planimetric features compiled from the orthophoto mosaic.

The natural shoreline, MHWL & MLWL, was compiled using ratioed tide-coordinated black-and-white infrared photography.

Manmade features and alongshore features were compiled from rectified black-and-white prints of the color photography, and supplemented by the ratioed infrared and color contact prints.

Interior features are depicted by an orthophoto mosaic assembled from the rectified black-and-white prints of the color photography.

32. Control

Horizontal control was adequate (see Photogrammetric Plot Report).

33. Supplemental Data - None.

34. Contours and Drainage

Contours are inapplicable. Drainage is depicted by the orthophoto mosaic.

35. Shoreline and Alongshore Detail

The photography was adequate for the delineation of the tidal datum lines. A field edit is requested for the verification of the interpretation of the photography.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

All landmarks and aids to navigation will be located during field edit.

38. Control for Future Surveys - None.

39. Junctions

Refer to Form 76-36B (Data Record).

40. Horizontal and Vertical Accuracy

This map complies with the accuracy requirements for the Florida Coastal Zone Mapping Program.

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with USGS quadrangle, Jupiter, Fla, scale 1:24,000, photorevised 1967; no significant differences were found.

47. Comparison with Nautical Charts

Comparison was made with 845-SC, scale 1:24,000, 11th edition, July 15, 1972.

No significant differences were found.

Submitted by,


Charles Lewis

Approved and forwarded:


J.P. Battley, Jr.

Chief, Coastal Mapping Section

Field Edit Report, Map TP-00163, Job FH-691051. METHODS

The shoreline of the Atlantic Ocean was verified visually from roads leading to the shore and by walking the shore to verify and identify groins and rocky areas. The shoreline of Jupiter Sound, the Loxahatchee River and its forks, and Lake Worth Creek was verified visually from a small boat while cruising just offshore. Notes regarding apparent and fast shoreline, piers, and other shoreline structures were made on the rectified photographs.

New piers were located by photo-identifying the location of their shore ends and describing their length and general shape. Unless otherwise indicated, they are perpendicular to the shoreline at their shore ends.

All apparent shoreline not indicated as Marsh or Grass and Water results from mangrove outgrowth.

Eight landmarks are recommended for charting. Form 76-40 is submitted. Six are triangulation stations, two were photo-identified. One tower is recommended for deletion. It was taken down and a new tower put up in the same location. The new tower is not a triangulation station, but is recommended to be charted as a landmark. One photo-identified landmark building is recommended for charting.

Forms 76-40 have been submitted for nonfloating aids. All aids have been shown on the field edit sheet.

Bench marks were searched for, identified on the photographs and reported on Forms 685A and 76-89.

All known triangulation stations were searched for and reported on Form 526.

State and Federal highway numbers are shown on the photographs.

Field edit notes will be found on the Discrepancy Print, Field Edit Sheet, and photographs.

The MLWL question areas on the discrepancy print are answered on the discrepancy print. Hobe Sound State Park BM#1, 1972 and the Jupiter Inlet Tide Staff were used since they were the closest stations for which tidal data was available. At the time of verification, the tide was .4 foot above MLW.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No tests were required.

54. RECOMMENDATIONS

None,

55. EXAMINATION OF PROFF COPY

Not required.

Submitted 4/4/73



Robert R. Wagner
Chief, Photo Party 60

Remarks: Application of Field Edit for TP-00163

The positions of all tide stations were furnished by the Coastal Surveys Section. The positions were either photoidentified by field methods or office identified from sketches furnished by the Tidal Datum Section.

A new canal was constructed at the approximate latitude $26^{\circ}56.5'$ and longitude $80^{\circ}06.2'$, after the date of the photography. The canal was compiled from field edit data.

Ramps identified by field edit were compiled from the black-and-white tide-coordinated infrared photography.

The submerged pile located near Daybeacon 10(Lake Worth Creek) projects 0.8 feet above MLW with a range of tide of 1.9 feet.

Respectfully submitted,


Gregg Fromm

Review Report
Coastal Zone Map TP-00163
June 1975

61. General

The map manuscript for Coastal Zone Map TP-00163 was reviewed in its Class I (field edit applied) stage by the Quality Control Group. The review consisted of an examination of the following:

- Map manuscript
- Photography
- Field edit and its application
- Reproduction negatives
- Descriptive report

The proof copy of Coastal Zone Map TP-00163 was examined and edited by the Quality Control Group prior to its publication. This edit comprised a thorough inspection of map details to verify the accuracy of reproduction with reference to the map manuscript and the quality of reproduction. In addition, the proof copy was examined by the following sections:

- Coastal Mapping - Map details
- Staff Geographer - Geographic names
- Coastal Surveys - Horizontal and vertical control

62. Cartographic Comparison

Comparison was made with the following USGS quadrangle;

Jupiter, Fla., 1948, photorevised 1967, scale 1:24,000.

No significant differences were noted during the comparison.

Comparison was made with the following Nautical Chart:

11472(formerly 845-SC) 13th edition, dated August 31, 1974,
scale 1:40,000 and 1:20,000 scale (Loxahatchee River).

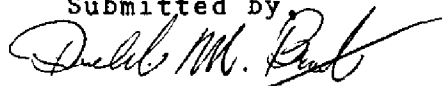
No significant differences were noted during the comparison.

63. thru 65. Inapplicable

66. Adequacy of Results and Future Surveys


Coastal Zone Map TP-00163 complies with the instructions for NOS Cooperative Coastal Boundary Mapping, Job PH-7000, and the National Standards of Map Accuracy.

Submitted by



Donald M. Brant

Approved and forwarded:


Chief, Photogrammetric Branch
Chief, Coastal Mapping Division


June 16, 1975

GEOGRAPHIC NAMES
FINAL NAME SHEET
PH-6910 (Florida)

TP-00163

Atlantic Ocean	Jupiter Sound
Blowing Rocks	Lake Worth Creek
Conch Bar	Loxahatchee River
Florida East Coast (RR)	North Fork
Hell Gate	Southwest Fork
Jonathan Dickinson State Park	Tequesta
Jupiter	
Jupiter Inlet	
Jupiter Inlet Beach Colony	
Jupiter Island	

Approved:


Chas. E. Harrington
Staff Geographer - C51x2

U.S. DEPARTMENT OF COMMERCE - NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										ORIGINATING ACTIVITY	
NONFLOATING AIDS OR LANDMARKS FOR CHARTS										<input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)	
NCAA FORM 76-40 (2-71) PRESCRIBED BY PHOTOGRAMMETRY INSTRUCTION NO. 64.		ORIGINATING LOCATION		DATE		METHOD AND DATE OF LOCATION (See instructions on reverse of this form)		CHARTS AFFECTED			
TO BE CHARTED TO BE DELETED		Rockville, Maryland		3/28/75							
The following objects have (have not) been inspected from seaward to determine their value as landmarks:		N.A. 1927									
JOB NUMBER PH-6910		SURVEY NUMBER T - TP-00163		DATUM N.A. 1927							
STATE: FLORIDA		DESCRIPTION		POSITION							
CHARTING NAME		LATITUDE		LONGITUDE		FIELD INSPECTION		COMPILATION			
		° / ' " / 1000 METERS		° / ' " / 1000 METERS							
LT. 47	ST. LUCIE INLET JUPITER INLET JUPITER SOUND	26 59	41.23	80 05	29.56			P.4 3/12/73	845-SC		
DYBN 48		26 59	41.18	80 05	31.95			P.4 3/12/73	"		
DYBN 49		26 59	1267.0	80 05	881.0			"	"		
LT. 50		26 59	16.06	80 05	26.82			"	"		
DYBN 52		26 58	494.5	80 05	739.5			"	"		
LT. 53		26 58	10.91	80 05	28.65			"	"		
DYBN 54		26 58	336.0	80 05	790.0			"	"		
DYBN 56		26 58	48.81	80 05	15.12			"	"		
DYBN 57		26 57	1502.5	80 05	417.0			"	"		
		26 58	41.84	80 05	8.44			"	"		
		26 58	1288.0	80 05	233.0			"	"		
		26 58	32.34	80 05	7.57			"	"		
		26 58	995.5	80 05	209.0			"	"		
		26 58	11.90	80 05	0.92			"	"		
		26 58	366.5	80 05	25.5			"	"		
		26 57	52.65	80 04	52.53			"	"		
		26 57	1620.5	80 04	1449.0			"	"		

RESPONSIBLE PERSONNEL			
TYPE OF ACTION	NAME	TITLE	
1. Objects inspected from seaward	C.V. Ullman	<input checked="" type="checkbox"/> FIELD INSPECTOR <input type="checkbox"/> FIELD EDITOR	
2. Positions determined and/or verified		FIELD INSPECTOR	
	R.R. Wagner	FIELD EDITOR	
	J.C. Richter	COMPILER	
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing D Brant	<input type="checkbox"/> REVIEWER <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods. 'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE

TYPE OF ENTRIES

COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

FIELD INSPECTION

AND

FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

F — Field

P — Photogrammetric

EXAMPLES:

1. Triangulation

1. Field identified

2. Traverse

2. Theodolite

F. 3.c

3. Intersection

3. Planetable

4. Resection

4. Sextant

P. 2

a. Theodolite

b. Planetable

c. Sextant

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

U.S. GOVERNMENT PRINTING OFFICE: 1971-769374/445 REG. 56

U.S. DEPARTMENT OF COMMERCE-NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION										
NONFLOATING AIDS OR LANDMARKS FOR CHARTS										
ORIGINATING LOCATION				DATE		ORIGINATING ACTIVITY				
Rockville, Maryland				3/28/75		<input type="checkbox"/> FIELD INSPECTION <input type="checkbox"/> FIELD EDIT <input type="checkbox"/> COMPILATION <input type="checkbox"/> FINAL REVIEW <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW (See reverse for responsible personnel)				
The following objects have (have not) been inspected from seaward to determine their value as landmarks:										
CHARTING NAME	DESCRIPTION	SURVEY NUMBER	DATUM	POSITION			METHOD AND DATE OF LOCATION (See instructions on reverse of this form)			CHARTS AFFECTED
				LATITUDE	LONGITUDE		FIELD INSPECTION	COMPILATION	FIELD EDIT	
				D.M.METERS	D.M.METERS					
DYBN 58	JUPITER SOUND		N.A. 1927	26 57	80 04	47.32	1305.0		P.4 3/12/73	845-SC
LIGHT 59				26 57	80 04	25.48	44.16		"	"
DYBN 60				26 57	80 04	784.5	1218.0		"	"
	JUPITER INLET LAKE WORTH INLET			26 57	80 04	21.91	46.20			
						674.5	1274.5			
JUPITER INLET LT 4			NOTE: JUPITER LIGHT	26 56	80 05	51.09	19.43		P.4 3/12/73	"
						1572.5	536.0			
DYBN 7	LAKE WORTH CREEK			26 56	80 05	45.09	21.88		P.4 3/12/73	"
						1388.0	603.0			
LIGHT 8	"			26.56	80 05	41.11	25.32		"	"
						1265.5	698.5			
DYBN 10	DYBN 10 rebuilt during edit			26 56	80 05	29.68	16.60		P.4 4/5/73	"
						913.5	458.0			
LIGHT 11				26 56	80 05	26.18	11.71		P.4 3/12/73	"
						806.0	324.0			

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	L. V. ULLMAN
2. Positions determined and/or verified	R. R. Warner
3. Forms originated by Quality Control and Review Group and final review activities	J. C. Richter Copy checked after typing D. Brant.
	FIELD INSPECTOR
	FIELD EDITOR
	COMPILER
	REVIEWER QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods. 'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE

TYPE OF ENTRIES

COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

FIELD INSPECTION

1. New Position Determined—Enter the applicable data by symbols as indicated below:

FIELD EDIT

F - Field

1. Triangulation
2. Traverse
3. Intersection
4. Resection

P - Photogrammetric

1. Field identified
2. Theodolite
3. Planetable
4. Sextant

EXAMPLES:

F. 3.c
P. 2

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

* U.S. GOVERNMENT PRINTING OFFICE: 1971-769374/445 REG.#6

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
1. Objects inspected from seaward	L. V. ULLMAN
2. Positions determined and/or verified	R. R. WAGNER
3. Forms originated by Quality Control and Review Group and final review activities	J.C. Richter Copy checked after typing D. Brant
	FIELD INSPECTOR
	FIELD EDITOR
	COMPILER
	REVIEWER
	QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR METHOD AND DATE OF LOCATION SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods. 'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE

TYPE OF ENTRIES

COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

FIELD INSPECTION

AND

FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

F — Field

1. Triangulation

2. Traverse

3. Intersection

4. Resection

a. Theodolite

b. Planetable

c. Sextant

EXAMPLES:

P — Photogrammetric

1. Field identified

2. Theodolite

3. Planetable

4. Sextant

P.2

F.3.c

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

[illegible]

RESPONSIBLE PERSONNEL		TITLE
TYPE OF ACTION	NAME	
1. Objects inspected from seaward	R. R. Wagner	<input type="checkbox"/> FIELD INSPECTOR <input checked="" type="checkbox"/> FIELD EDITOR
2. Positions determined and/or verified	R. R. Wagner	FIELD INSPECTOR
	J. C. Richter	FIELD EDITOR
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing D. Brant	<input type="checkbox"/> COMPILER <input type="checkbox"/> REVIEWER <input checked="" type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

NOTE: 'Photogrammetric Positions' are dependent entirely, or in part, upon control established by photogrammetric methods. 'Field Positions' are determined by field observations based entirely upon ground control.

COLUMN TITLE

TYPE OF ENTRIES

COMPILATION

Applicable to office identified and located objects only. Enter the number and date of the photograph used to identify the object.

FIELD INSPECTION AND

FIELD EDIT

1. New Position Determined—Enter the applicable data by symbols as indicated below:

F — Field

1. Triangulation

2. Traverse

3. Intersection

4. Resection

a. Theodolite

b. Planetable

c. Sextant

P — Photogrammetric

1. Field identified

2. Theodolite

3. Planetable

4. Sextant

EXAMPLES:

F. 3.c

P. 2

Immediately beneath the data described above, enter the following:

a. For 'Field Positions' enter the date of location.

b. For 'Photogrammetric Positions' enter the date of field work; and, if a photograph was used in locating the object or the object was identified on a photograph, enter the number of the photograph used.

2. Triangulation Station Recovered — Enter 'Triang. Rec. mo/day/yr.'

3. Position Verified — Enter 'Verif. mo/day/yr.'

* U.S. GOVERNMENT PRINTING OFFICE: 1971-769374/445 REG.#

TP-00163
National Archives Data

1 Field Edit Sheet

2 Discrepancy Prints

5 Forms 76-40

1 Sketchbook

1 Page tide information for tide-coordinated photography

Photography

70E(C)5864-5866

70L7016R, 7017R, and 7019R