orginal

TP-00160

TP-00160

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-00160

Classification No. Final *Edition No.* 1

LOCALITY

State Florida

General Locality South Fork St. Lucie River

Locality Martin County

1970 TO 1973

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-778

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP-00160

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH-6910

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Wesley V. Hull

LAST PRECEEDING 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, 6/19/73 Office-Supplement I, August 19, 1973 NOTE:Office and Field Edit Instructions (1973) incorporate applicable prior operational instructions Office-Supplement II, Sept. 24, 1973	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: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [X] 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	Donald Brant	Aug. 71
	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Phillips	Aug. 71
	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	Inapplicable	
	CHECKED BY		
INSTRUMENT:	CONTOURS BY	Inapplicable	
SCALE:	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	Henri Lucas	Sept. 72
Shoreline:Graphic	CHECKED BY	J. Battley,Jr.	Sept. 72
Interior:Orthophoto Mosaic	CONTOURS BY	J. Taylor	June 72
METHOD:	CHECKED BY	J. Battley,Jr	
	HYDRO SUPPORT DATA BY	Inapplicable	
SCALE: 1:10,000	CHECKED BY		
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Battley,Jr.	
6. APPLICATION OF FIELD EDIT DATA	BY	H. Lucas	Mar. 72
	CHECKED BY	G. Fromm	Sept. 74
7. COMPILATION SECTION REVIEW	BY	J. Battley,Jr.	Sept. 74
8. FINAL REVIEW	BY	D. Brant	Oct. 74
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D. Brant	April 75
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. Cater	Aug. 75

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)

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

TP-00160

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8
E&L 6" focal length

TIDE STAGE REFERENCE
- ☐ PREDICTED TIDES
- ☐ REFERENCE STATION RECORDS
- ☒ TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED B&W

TIME REFERENCE
ZONE: Eastern — ☒ STANDARD
MERIDIAN: 75th & 60th — ☒ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
*70E(C)5856 & 5872	2/14/70	1311&1340	1:40,000	The stage of tide is inapplicable for the color photography.
70L8830R & 8831R	2/10/70	1028	1:20,000	Refer to following page for stage of tide data.
70L6519R-6521R	8/14/70	0917	1:20,000	
70L8873R-8875R	2/10/70	1058	1:20,000	

REMARKS
*Mosaic assembled from these photographs.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source and date of the MHW line is the black-and-white tide-coordinated infrared photography listed under item 1 with the exceptions of those areas noted in #. 35 of the compilation report and the Remarks:Application of Field Edit.

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

There is no MLW line shown on this map.

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-00158 TP-00159	TP-00161	No contemporary Survey	No contemporary Survey

REMARKS Final junctions were made in the Coastal Mapping Section.

* U.S. GOVERNMENT PRINTING OFFICE: 1974-768-078

PHOTOGRAPHY	TIDE STATIONS (In operation at time of photography)	STAGE OF TIDE	MEAN RANGE
70L8830-8831	STUART, ST. LUCIE RIVER	*-0.40MHW	0.88
70L6519-6521	STUART, ST. LUCIE RIVER	*-0.39MHW	0.88
70L8873-8875	STUART, ST. LUCIE RIVER	*-0.33MHW	0.88

*The stage of tide tolerange 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.

NOAA FORM 76-36C
(3-72)

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

TP-00160

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION *See item 8 [X] FIELD EDIT OPERATION February 1973

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.R. Wagner	Jan. 72
2. HORIZONTAL CONTROL	RECOVERED BY	W.H. Shearouse	Jan. 72
	ESTABLISHED BY	N.A.	
	PRE-MARKED OR IDENTIFIED BY	W.H. Shearouse	Jan. 72
3. VERTICAL CONTROL	RECOVERED BY	W.H. Shearouse	Jan. 72
	ESTABLISHED BY	N.A.	
	PRE-MARKED OR IDENTIFIED BY	W.H. Shearouse	Jan. 72
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	R.R. Wagner	Feb. 73
	LOCATED (*Field Methods*) BY	(Sextant Fix)	Feb. 73
	IDENTIFIED BY	R.R. Wagner	Feb. 73
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R.R. Wagner	Feb. 73
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME
Not pricked	CANAL, 1930;JAY 1934

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION
70E5856	M224

3. PHOTO NUMBERS (*Clarification of details*)

70E5856, 70L7453

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Daybeacons located by sextant fix.

PHOTO NUMBER	OBJECT NAME
70E5856	LIGHT 33(Office identified) Light 33 used in fixes and position verified.

PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: [ ] REPORT [XX] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None.

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

*The field inspection operation was limited to the premarking of control. Refer to the Field Inspection Report.
Sketchbook, Vol. 1

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

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

TP-00160

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	Two forms submitted as final report.

2. [X] REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 4/9/75
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 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:

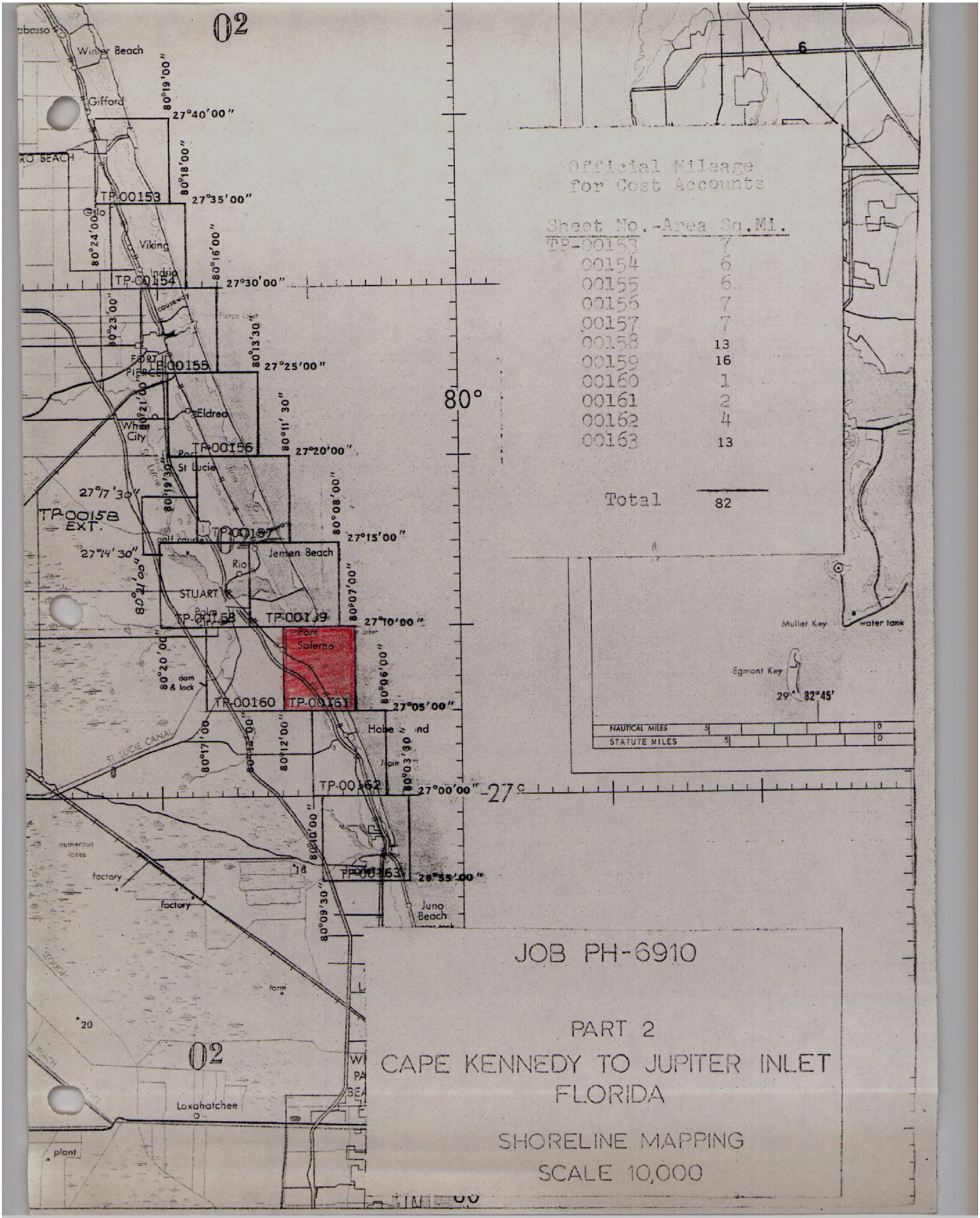
4. [ ] DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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

NOAA FORM 76-36D

★U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6



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

JOB PH-6910

PART 2

CAPE KENNEDY TO JUPITER INLET
FLORIDA

SHORELINE MAPPING

SCALE 10,000

Record of Decisions
TP-00160

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-00160 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 1, 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.

TRIPOD 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	COCOA BEACH
4	MUNSON	1940	TP-00139	"
5	PATRICK N. BASE	1960	TP-00140	" "
6	TRIPOD 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	RICMAR 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-00157	ANKONA
17	REFUGE 2 RM # 4	1967	TP-00160	ST. LUCIE INLET
18	SEWALL	1934	TP-00159	" " "
19	PINE	1929	TP-00162	GOMEZ
20	CISTERN	1956	TP-00163	HOBE SOUND
21	RADAR	1954	TP-00164	JUPITER
22	GOLF RM # 1	1934	South of TP-00164	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

PHOTOGRAMMETRIC 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 5856

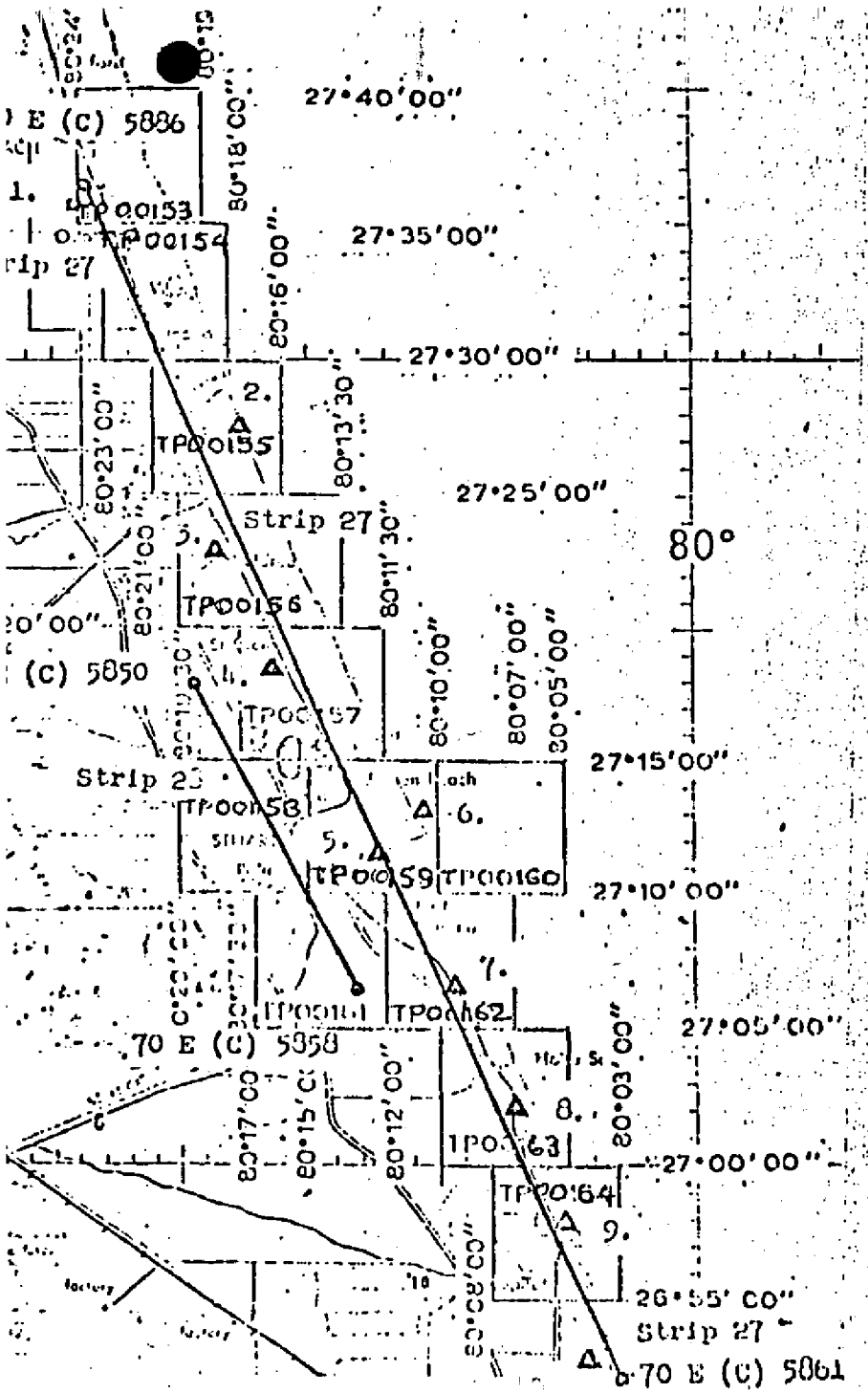
The definition and quality of the photography was good.

Respectfully submitted,

Donald M. Brant

Approved and Forwarded:

Henry P. Eichert, Chief
Aerotriangulation Section



CONTROL

1. 72804 (Tie from Strip 26)
2. PIERCE 2 1963
3. WHITE 2 1966
4. WALTON 1930
5. REFUGE 2 RM 4 1934
6. SEAWALL 1898
7. PINE 1929
8. CISTERN 1956
9. RADAR 1955
10. GOLF RM 1 1934

■ Tie point used in adjustment
▲ Horizontal control used in adjustment
● 1:40,000 scale photography

JOB PH-6910

PART 2

CAPE KENNEDY TO JUPITER INLET FLORIDA

SHORELINE MAPPING
SCALE 10,000

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
CANAL, 1930	Book 421, P.6, 24, 37, 53, G.P.-Fla. Vol. 1, P. 709, P.C. Fla. E Zone, P. 159
JAY, 1934	Book 421, P. 8, 25, 26, 44, 55, G.P.-Fla. Vol. 1, P. 158, P.C. Fla. E Zone, P.20

FLORIDA – NOAA Coastal Boundary Mapping Program

Vertical Control – Geodetic Map TP – 00160

Geodetic Bench Mark	Elevations (feet) NGVD 1929	Condensed Description
M 224	16.092	C&GS disk stamped M 224 1965; 26 ft. NE of NE rail, 63 ft. SW centerline A1A, 2 ft. NW of metal witness post.

Compilation Report
TP-00160

31. Delineation

The land area of this map is shown by an orthophoto mosaic. The orthophoto mosaic was assembled with black-and-white rectified prints from the color photography. The rectified prints and mosaics were controlled by points determined by aerotriangulation.

The tidal datum lines and offshore features on this map were compiled from office interpreted tide-coordinated black-and-white infrared photography. The rectified color photography was used as an aid for interpreting culture features and compiling the limits of shallow and shoal areas for Nautical Charts. The tide-coordinated black-and-white infrared photography was controlled by common planimetric features compiled from the orthophoto mosaic and map points determined by aerotriangulation.

32. Horizontal Control

Refer to the photogrammetric plot report bound with this Descriptive Report.

33. Supplemental Data - None.

34. Contours and Drainage

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

35. Shoreline and Alongshore Detail

The photography was adequate except for a portion of the St. Lucie Canal (beginning approximately 4,000 feet east of the bridge, latitude 27°07' and longitude 80°16.2') which was not covered with the tide-coordinated infrared photography. This portion of shoreline was delineated from the 1970 rectified color photography. (Note. Refer to page 17)

A field edit of this map is requested.

36. Offshore Details

No 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 76-56B.

40. Horizontal And Vertical Accuracy

This map complies with the accuracy requirements for the Florida Coastal Zone Mapping Program as outlined by project instruction, PH-7000.

41. thru 45. Inapplicable.

46. Comparison with existing Maps

A comparison was made to the following USGS quadrangle maps, 1:24,000:

Palm City, dated 1948
Indian Town SE, dated 1953
St. Lucie Inlet, dated 1948

No significant differences were noted.

47. Comparison with Nautical Charts

A comparison was made with the following charts:

SC-855, 9th edition, October 1971, 1:40,000 & 1:80,000
NC124, 5th edition, April 1972, 1:80,000

No significant differences were noted.

Submitted by

Henri Lucas

Approved & forwarded:

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

Field Edit Report, Map TP-00160, Job PH-6910

51. METHODS

The shorelines of the St. Lucie River and the St. Lucie Canal were verified visually from a small boat while cruising just offshore. Notes regarding apparent and "fast" shoreline, seawalls, piers and other shoreline structures were made on photograph number 70E5856.

No landmarks were submitted.

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

Bench marks were searched for and reported on Form 685A. The identified bench marks are on the rectified photograph.

Form 76-40 is submitted for nonfloating aids. Sextant fixes were obtained at the daybeacons and plotted on the Field Edit Sheet.

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

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

No tests were required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

56. GEOGRAPHIC NAMES

A complete names investigation was not required. No conflict of charted names was noted during field operations.

Submitted 2/13/73

Robert R. Wagner
Chief, Photo Party 60

REMARKS: Application of Field Edit for TP-00160

The shoreline along the canal extending north from the approximate latitude 27°09.5' and longitude 80° 12.25' was furnished by the field edit of 1973. Refer to field photograph 70E(C)5871.

Review Report
Coastal Zone Map TP-00160
April 1975

61. General

The map manuscript for TP-00160 was reviewed in its Class I (field edit applied) stage by the Quality Control Group. The review consisted of an examination of the following:

The map manuscript;
Photography;
Field edit and its application;
Reproduction negatives;
Descriptive report.

The proof copy of this map (TP-00160) was examined by the Quality Control Group prior to its printing. 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:

Staff Geographer - Geographic Names;
Coastal Surveys - Horizontal and vertical control;
Coastal Mapping - Map details.

62. Cartographic Comparisons

Comparison was made with the following USGS quadrangles:

Indian Town, Fla., 1948, photorevised 1970, 1:24,000 scale;
St. Lucie Inlet, Fla., 1948, photorevised 1970, 1:24,000 scale;
Palm City, Fla., 1948, photorevised 1970, 1:24,000 scale.

No significant differences were found.

Comparison was made with Nautical Chart 11428 (formerly 855-SC) 12th edition, August 24, 1974, scale 1:80,000.

No significant differences were found.

63. thru 65. Inapplicable

66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00160 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

18 April 1975

GEOGRAPHIC NAMES

FINAL NAME SHEET

Ph-6910 (Florida)

TP-00160

Coral Gardens

Florida East Coast (RR)

Golden Gate

Mapps Creek

Palm City

Port Salerno

St. Lucie Canal

South Fork St. Lucie River

Approved:

Chas. E. Harrington
Staff Geographer-C51x2

NOAA FORM 76-40
(2-71)
PRESCRIBED BY
PHOTOGRAMMETRY INSTRUCTION NO. 64.

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
- ☐ FIELD EDIT
- ☐ COMPILATION
- ☐ FINAL REVIEW
- ☒ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 3/28/75

The following objects have (have not) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH- 6910
STATE: FLORIDA
SURVEY NUMBER: T - TP-00160
DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	POSITION LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	POSITION LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
DYBN 49	Wooden Sign on a Concrete Pile	27 06	58.73 1807.7	80 16	49.05 1351.0			2/9/73 P.4	855-SC
DYBN 47	"	27 07	0.52 016.0	80 16	43.64 1202.0			P.4 2/9/73	"
DYBN 46	"	27 07	7.12 219.0	80 16	18.19 501.0			P.4 2/9/73	"
DYBN 44	"	27 07	11.24 346.0	80 16	14.69 404.5			P.4 2/9/73	"
DYBN 43	Wooden Sign on a Pile	27 07	20.76 639.0	80 16	05.91 107.8			P.4 2/9/73	"
DYBN 42	Wooden sign on a Concrete pile	27 07	35.9 1105.0	80 15	58.25 1604.2			P.4 2/9/73	"
DYBN 40	"	27 07	39.12 1204.0	80 15	58.60 1613.8			P.4 2/9/73	"
DYBN 39	"	27 08	18.58 572.0	80 15	44.17 1216.3			P.4 2/12/73	"
DYBN 37	Wooden sign on a pile	27 08	57.38 1766.0	80 15	37.73 1039.0			P.4 2/12/73	"
DYBN 35	Wooden sign on a concrete pile	27 09	21.57 664.0	80 15	19.21 529.0			P.4 2/12/73	"

TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R.R. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R.R. Wagner	FIELD EDITOR
	H. Lucas	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing D. Brant	☐ 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	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.#6

NOAA FORM 76-40
(2-71)
PRESCRIBED BY
PHOTOGRAMMETRY INSTRUCTION NO. 64.

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

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ FIELD INSPECTION
- ☐ FIELD EDIT
- ☐ COMPILATION
- ☐ FINAL REVIEW
- ☒ QUALITY CONTROL AND REVIEW

(See reverse for responsible personnel)

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: 3/28/75

The following objects have (have not) been inspected from seaward to determine their value as landmarks:

JOB NUMBER: PH-6910

STATE: FLORIDA

SURVEY NUMBER: T - TP-00160

DATUM: N.A. 1927

POSITION

CHARTING NAME	DESCRIPTION	LATITUDE ° ′	LATITUDE ″ D.M.METERS	LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
DYBN 34	Wooden sign on a concrete pile	27 09	55.93 1721.5	80 15	17.56 483.5			P.4 2/12/73	855-SC
Lt 33	Light and Wooden Day-mark on concrete pile	27 09	58.94 1814.0	80 15	19.04 584.2			P.1 2/12/73	"

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	R.R. Wagner	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	R.R. Wagner	FIELD EDITOR
	H. Lucas	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing D. Brant	☐ 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	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.'

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TP-00160
National Archives Data

1 Field Edit Sheet

1 Discrepancy Print

2 NOAA forms 76-40

1 Tide data sheet for TP-00160

1 NOAA form 76-36C

1 Sketchbook (Sextant fixes for TP-00160)

Photography:

70E5856
70L7453R