original

TP-00136

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-00136

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State Florida

General Locality Brevard County

Locality Cape Kennedy

1969 TO 1971

REGISTRY IN ARCHIVES

DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1972-760-593

TP-00136

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-00136
MAP EDITION NO. (1)
MAP CLASS Final
JOB PH-6910

PHOTOGRAMMETRIC OFFICE: Rockville, Maryland

OFFICER-IN-CHARGE: Commander 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, June 19, 1973 OFFICE-Supplement 1, 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	I.I. Saperstein	4/71
	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Phillips	5/71
	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	Inapplicable	
	CHECKED BY		
INSTRUMENT:	CONTOURS BY	Inapplicable	
SCALE:	CHECKED BY		
4. MANUSCRIPT DELINEATION Shoreline:Graphic	PLANIMETRY BY	M. Webber	5/71
	CHECKED BY	J.P. Battley, Jr.	5/71
METHOD:	CONTOURS BY	Inapplicable, Jr.	
Interior:orthophoto mosaic	CHECKED BY		
SCALE:	~~HYDRO SUPPORT DATA~~ BY	J. Taylor	5/71
	CHECKED BY	J.P. Battley, Jr.	5/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J.P. Battley, Jr.	5/71
6. APPLICATION OF FIELD EDIT DATA	BY	J.C. Richter	8/71
	CHECKED BY	J.P. Battley, Jr.	8/71
7. COMPILATION SECTION REVIEW	BY	M. Webber	9/71
8. FINAL REVIEW	BY	J.P. Battley, Jr.	10/71
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D.M. Brant	3/74
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	K.J. Costin	8-12-74

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

★ U.S. G.P.O. 1972-769380/547 REG. #6

NOAA FORM 76-36B
(3-72)

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

TP-00136

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

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

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Eastern — [X] STANDARD
MERIDIAN: 60th & 75th — [X] DAYLIGHT

TIDE STAGE REFERENCE
[ ] PREDICTED TIDES
[ ] REFERENCE STATION RECORDS
[X] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
70L(C) 008A	11/5/70	13:23	1:40,000	The stage of tide
70E(C)5553	2/8/70	12:22	1:40,000	is inapplicable.
69L3578R &3579R	8/26/69	12:09	1:25,000	*+0.40 MLW
70L8715R-8717R	2/8/70	10:53	1:25,000	*+0.15 MHW
69L3775R	8/27/69	9:11	1:30,000	*+0.31 MHW
69L3733R-3735R	8/27/69	8:52	1:30,000	*+0.36 MHW

REMARKS
* Port Canaveral Tide Station

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high-water line is the infrared photography listed in item 1. The mean high-water line was verified by profiles furnished by the field edit. The map was field edited in 1971.

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

The source of the mean low-water line is the infrared photography listed in item 1. The line was verified by profiles furnished by the field edit. The map was field edited in 1971.

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-00115	No contemporary survey	No contemporary survey	TP-00135

REMARKS
Junctions were made in the Coastal Mapping Section.

NOAA FORM 76-36B
(3-72)

* U.S. G.P.O. 1972-769381/568 REG.#6

NOAA FORM 76-36C
(3-72)

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

TP-00136

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION * ☒ FIELD EDIT OPERATION July 1971

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		W.H. Shearouse	7/71
2. HORIZONTAL CONTROL	RECOVERED BY	W.H. Shearouse	1/71
	ESTABLISHED BY	Inapplicable	8/70
	PRE-MARKED OR IDENTIFIED BY	Inapplicable	
3. VERTICAL CONTROL	RECOVERED BY	W.H. Shearouse	1/71
	ESTABLISHED BY	Inapplicable	
	PRE-MARKED OR IDENTIFIED BY	W.H. Shearouse	1/71
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	W.H. Shearouse	8/71
	LOCATED (*Field Methods*) BY	Inapplicable	
	IDENTIFIED BY	W.H. Shearouse	8/71
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: ☐ COMPLETE ☒ SPECIFIC NAMES ONLY ☐ NO INVESTIGATION — BY	W.H. Shearouse	8/71
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	W.H. Shearouse	8/71
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	Inapplicable	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME
	Refer to Field Inspection Report

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION
70L008A	Trans N170
70L7266	D30R 53BE, D24R21
70L7258	Eleven RM3, C170
70L7759	ARTESIA
70L7796	E205,U192,P170,AIR Q170,R170
70L7797	EF, DAREA, CARL, INDUSTRY, CENTRAL SE BASE, CENTRAL

3. PHOTO NUMBERS (*Clarification of details*)
70L008A(Rectified)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
One landmark is recommended for charting. There are no non-floating aids to navigation on this map.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
70L008A	Cape Canaveral South Water Tank (New)		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. 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 Field Inspection Report.

* U.S. G.P.O. 1972-769381/567 REG.#6

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

TP-00136

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
No map copies prior to final	furnished review.	for Nautical Chart	use	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1	594 74 and 595 74	5/23/74	Final - One report submitted for map TP-00136

2. ☑ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/23/74
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
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 TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

* U.S. G.P.O. 1972-769380/548 REG.#6

Record of Decisions
Pertaining to Symbolization of the MHW and MLW Datums
Map TP-00136

Shoreline Delineation

The mean low-water and mean high-water tidal datums were determined along the outer coast (Atlantic Ocean) from tide observations at Port Canaveral. Inland waters are not applicable to this map.

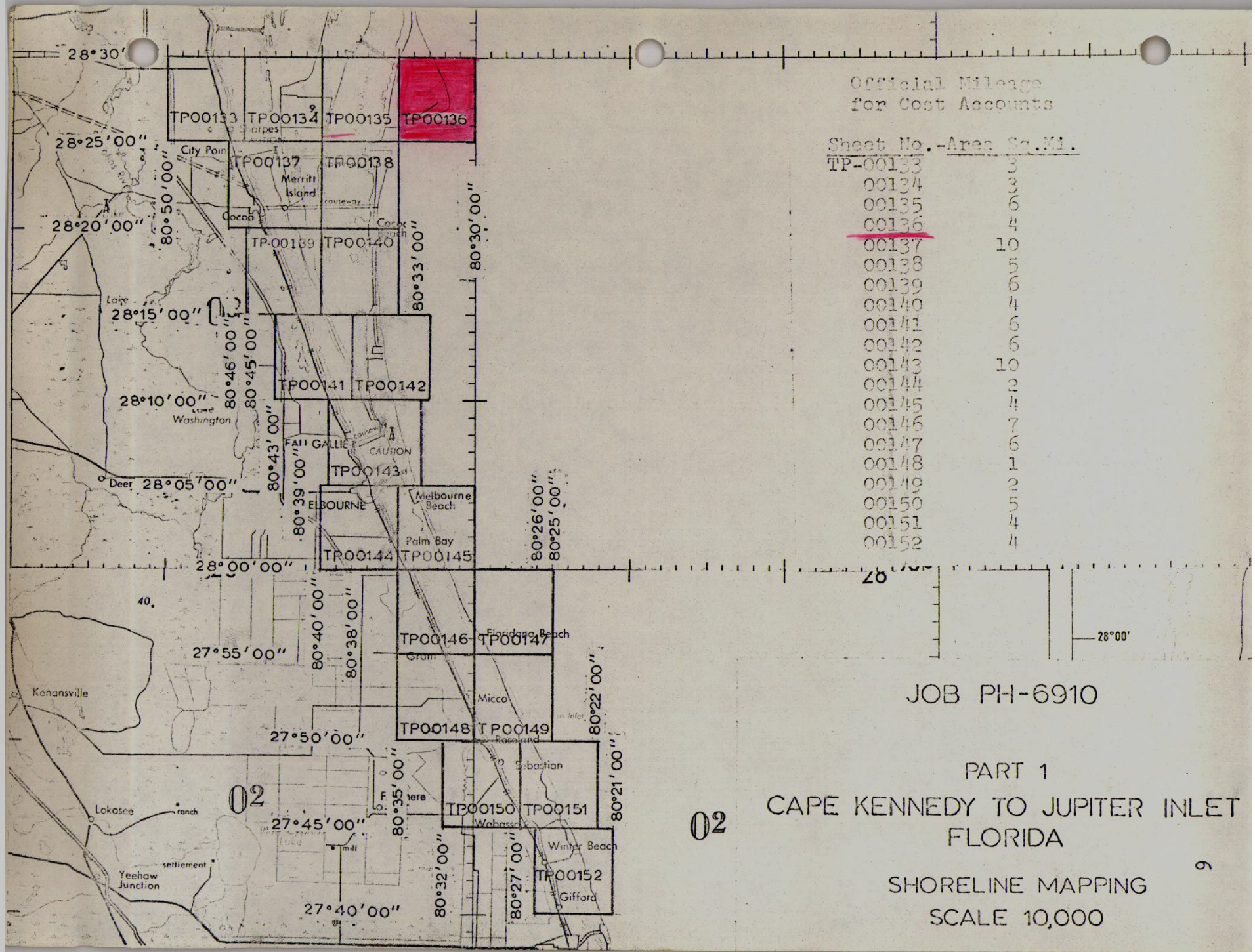
* Decision Responsibility for Shoreline Symbolization

Decisions as to the symbolization for mapping the shoreline on this map were made January 10, 1973, in Rockville, Maryland, by competent technical officials of National Ocean Survey. Cdr. Wesley V. Hull, Chief, Coastal Mapping Division, provided the technical field survey and cartographic expertise and Mr. Carroll I. Thurlow, Chief, Tidal Datum Planes Section, rendered decisions on datum matters. They based their decisions on an examination and evaluation of aerial photographs and field surveys records.

Archiving

A copy of this report shall be included in Descriptive Report TP-00136 which will be permanently filed in the Bureau archives.

* See Review Report for clarification of date.



Official Mileage
for Cost Accounts

Sheet No.-	Area Sq.Mi.
TP-00133	3
00134	3
00135	6
00136	4
00137	10
00138	5
00139	6
00140	4
00141	6
00142	6
00143	10
00144	2
00145	4
00146	7
00147	6
00148	1
00149	2
00150	5
00151	4
00152	4

JOB PH-6910

PART 1

CAPE KENNEDY TO JUPITER INLET
FLORIDA

SHORELINE MAPPING
SCALE 10,000

02

9

SUMMARY
TP-00133 thru TP-00152

Coastal Zone Map TP-00136 is one of twenty (20) similar maps in project PH-6910, Part I. 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 1969 and 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 orthophoto 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 threee 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.

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 1)
Job PH-6910
April, 1971

21. Area Covered

This report covers the area south from Cape Kennedy to an area about eight miles north of Fort Pierce Inlet. The job consists of twenty one (21) 1:10,000 scale sheets, TP-00133 thru TP-00153.

22. Method

Six (6) strips of photographs were bridged using analytical aerotriangulation methods. Strip 23 proved inadequate for bridging. Strip 23A, therefore, was flown at a later date farther west in order to include more land area to strengthen the photogrammetry. A cross flight, 24, was also flown at this time to include the cape area. Ties were made between strips. Points were located to rectify the photographs for mosaics. In addition, points were located to ratio high and low water photography. The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustment. Closures to control have been shown on the readouts. All bridge points have been plotted on the Coradimat on Florida East Zone plane coordinates.

23. Adequacy of Control

Horizontal control that fell on strips 21A, 22, 25, and 26 was premarked. Strips 23A and 24 were flown at a later date, and all control that fell on these two strips were transferred from the earlier pre-marked photography. It is noted that stations SCORPOIN 2, 1961 and RIOMAR 2, 1960 (terminal for Strip 26) do not appear on the attached sketch, as these stations are on or south of TP-00153. The control was adequate for bridging all strips.

25. Photography

All photography the subject of this report is 1:40,000 scale color as follows:

Strip 21A -- 69-E(C)-4247 thru 4261
Strip 22 -- 69-E(C)-4185 thru 4194

Strip 23A -- 70-L(C)-9991A thru 004A
Strip 24 -- 70-L(C)-007A thru 015A
Strip 25 -- 70-E(C)-5760 thru 5768
Strip 26 --- 70-E(C)-5772 thru 5794

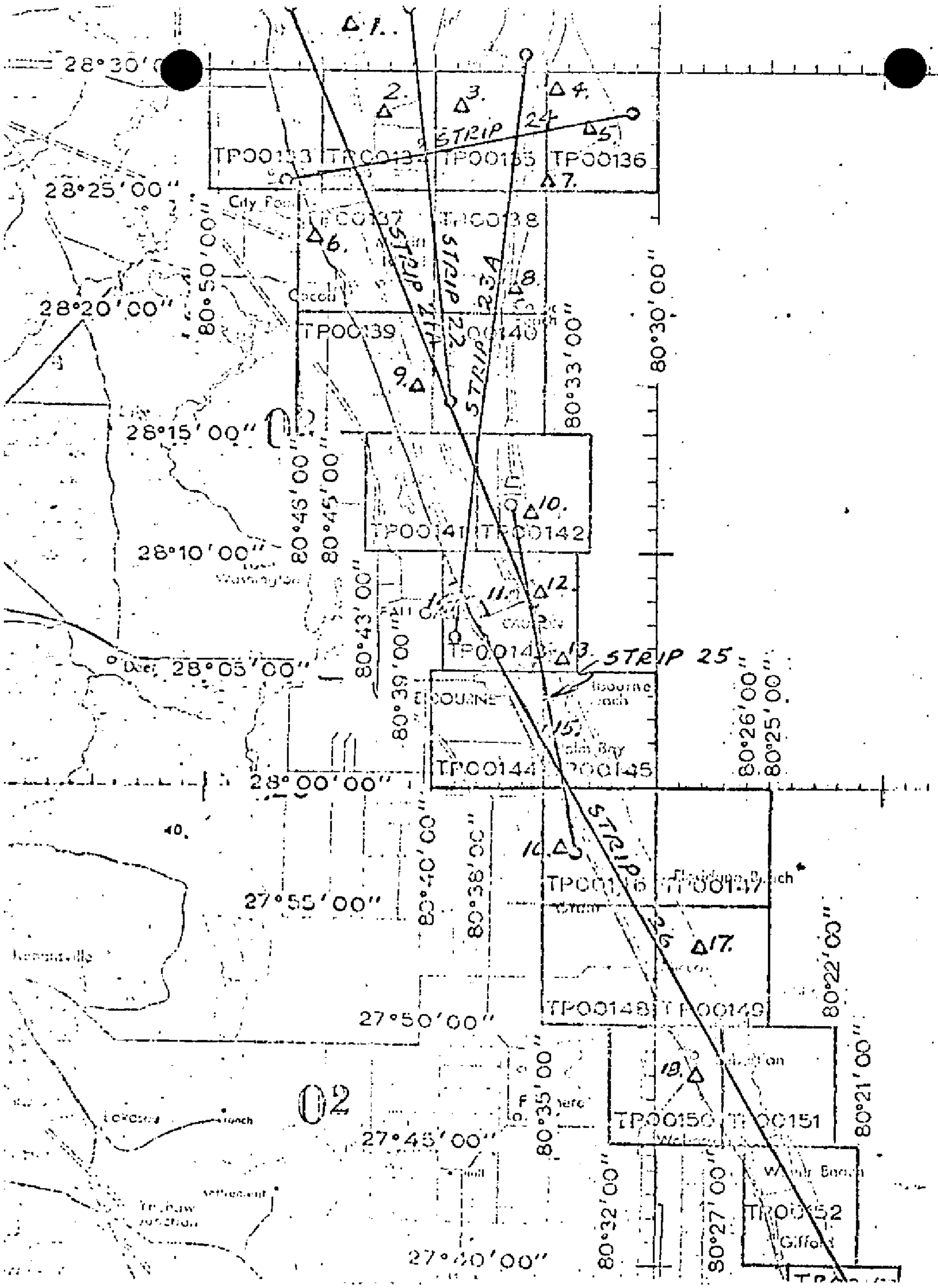
The definition and quality of the photography were good.

Respectfully submitted:

I. I. Saperstein

Approved and forwarded:

Henry P. Eichert, Chief
Aerotriangulation Section



Control
1. Moore RM 3,1965
2. Courtenay,1953
3. Paxton,1930
4. Central,1950
5. Cape Canaveral L.H. Center,1934
6. Cocoa City 2,1957
7. Artesia,1955
8. Pose,1966
9. Munson,1940
10. Tripod 3,1963
11. College 2,1906
12. Canova Beach Melbourne Munic.W.T.1960
13. Indialantic Melbourne E.Munic.W.T.1950
14. Eau Gallie Munic.W.T.Center,1934
15. Turkey Creek,1934
16. Slip 2,1934
17. Sebastian 2,1934

▲ Horizontal control used in adjustment
△ Horizontal control used as check
○ 1:40,000 scale color photography

02

JOB PH-6910

PART 1
CAPE KENNEDY TO JUPITER INLET
FLORIDA

SHORELINE MAPPING
SCALE 10,000

FLORIDA– NOAA Coastal Boundary Mapping Program

Horizontal Control Map TP– 00136

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
DAREA, 1956	Unpublished data. Write the Director, National Geodetic Survey, for information.
CAPE CANAVERAL WATER TANK, 1955	"
CAPE CANAVERAL SO. WATER TANK (NEW), 1957	"
CAPE CANAVERAL LIGHT HOUSE CENTER, 1934	Book 419, p. 36 G.P.-Fla. Vol. 1, p. 191, P.C. Fla. E. Zone, p. 50.
CENTRAL 1950, 1956	Book 419, pp. 40, 44, 48, 50 G.P.-Fla. Vol. 1, p. 896, P.C. Fla. E. Zone, p. 199.
CENTRAL SE BASE, 1953	Book 1144, p. 6.
INDUSTRY, 1950	Book 419, pp. 40, 48, 52 G.P.-Fla. Vol. 1, p. 896, P.C. Fla. E. Zone, p. 199.
CARL, 1953	Book 1144, pp. 3, 6.
ARTESIA, 1953	Book 1144, pp. 2, 5.
AIR, 1953	Book 1144, pp. 2, 5.
LAR, 1929	Book 419, pp. 3, 46, 53 G.P.-Fla. Vol. 1, p. 751, P.C. Fla. E. Zone, p. 164.

31. Delineation

The shoreline and offshore features were compiled from office interpreted tide coordinated black and white infrared photography supplemented by the rectified color photography. This photography was controlled by map points determined by aerotriangulation.

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 mosaic was controlled by image points determined by aerotriangulation.

32. Horizontal Control

Refer to the photogrammetric plot report which is a part of 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 tide coordinated black and white infrared photography was adequate for the compilation of the shoreline and alongshore details. The color photography was used as an aid in the interpretation of the culture features. Foreshore profiles are recommended because of surf.

36. Offshore Details

There are no details offshore on this map.

37. Landmarks and Aids to Navigation

The images of charted objects visible on the photography were located during compilation and will be verified by field edit. Objects not visible on the photography will be located by the field editor.

38. Control for Future Surveys: None.

39. Junctions

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

40. Horizontal Accuracy

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

41 thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with U.S.G.S. quadrangle Cape Canaveral, Fla., scale 1:24,000, edition of 1951, contour interval 5 feet.

This quadrangle is now obsolete due to the construction of Cape Kennedy.

47. Comparison with Nautical Charts

Comparison was made with Nautical Chart No. 1245, scale 1:80,000 7th edition August 30, 1969, corrected thru NM 35, 1969, and Nautical Chart 1246, 6th edition October 3, 1970.

Items to be Applied to Nautical Charts Immediately: None.

Itmes to be Carried Forward: None.

Respectfully submitted,

John C. Richter (JB)

John C. Richter

Approved and forwarded:

Peter P. Battley Jr

J.P. Battley, Jr.

Field Edit Report, Map TP-00136, Job PH-6910

51. METHODS

Shoreline of the Atlantic Ocean was verified visually, inspected from strategic places along its length at proper stages of tide. No inadequacies were noted. The foreshore from the point at Cape Kennedy northward is slightly steeper than from the point southward where it is quite flat. The point of Cape Kennedy appears to be subject to frequent change. Storms seem to be building the beach seaward as judged by the layers or ridges of sand that appear to have been recently deposited.

* There are no nonfloating aids to navigation.

It is recommended that one presently charted landmark--TELEM. ANT.--be deleted. Cape officials state that the structure has been sold and will soon be removed. One tank, now a landmark, should be retained. Form 76-40 is submitted.

Field edit notes will be found on the FIELD EDIT SHEET, the Discrepancy Print and the rectified photograph.

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 geographic names investigation was not required. However, names on the map manuscript and those on the Preliminary

* Refer to the Review Report

Names Sheet were compared with the NASA Master Plans (Maps). The name DE SOTO BEACH STATE GAME REFUGE should be deleted. It no longer is applicable. The name CANAVERAL HARBOR is properly omitted from the map manuscript, as this settlement (shown on the Preliminary Names Sheet) no longer exists.

The question was asked--CAPE CANAVERAL or CAPE KENNEDY. According to Cape officials, the name was changed by Executive Order soon after President Kennedy's death. There has been considerable "talk" of changing it back but no action to date.

The entire area is within CAPE KENNEDY AIR FORCE STATION and that name should be added.

Submitted 7/23/71

William H. Shearouse

William H. Shearouse
Chief, Photo Party 60

Addendum to Item 51

Horizontal and vertical control stations were recovered in January and February 1971. Bench marks were identified on contact scale photographs and the approximate position of the triangulation stations indicated on the same photographs. These data were submitted April 16, 1971.

Remarks: Foreshore profiles verified the tidal datum lines on the tide coordinated black and white infrared photography.

Review Report TP-00136
Coastal Zone Map
March 1974

61. General

This map and its related records were reviewed in the Coastal Mapping Section prior to its proof stage.

The proof copy of this map was edited by the Quality Control Group prior to printing and distribution. The edit was comprised of a careful inspection of map details to verify the accuracy of reproduction.

The following major parts in the preparation of this map have been examined by the Quality Control Group and are adequate:

1. Field operations
2. Extension of control
3. Compilation
4. Descriptive Report

The shoreline on this map was symbolized in accordance with ongoing decisions set forth by officials of the National Ocean Survey. These decisions, however, were formalized and documented at the later date reflected in the Record of Decisions.

Since the publication of this map, the name Cape Kennedy which is shown on this map, was changed to Cape Canaveral. This name change is noted on the map standard (filed with the Quality Control Group) for this map.

Triangulation station Cape Canaveral Lighthouse Center 1934 is shown on this map, This station is listed as an aid to navigation (Cape Canaveral Light) in the C.G. Light List. This is contradictory to the Field Edit Report which states that there are no nonfloating aids to navigation on this map. There is no 1970 recovery note available and the station was not reported on Form 76-40 as an aid to navigation. The structure was identified on photograph 70EO08A by the field editor and the structure holds the plotted position on the map. Form 76-40 was prepared by the Quality Control Group and will be noted on the map standard filed with the Quality Control Group. The elevation of this structure was not submitted by the field editor.

62. thru 64. Inapplicable.

65. Cartographic Comparison

A comparison was made with this map (TP-00136) and the following USGS quadrangle:

Cape Canaveral, Florida, 1:24,000 scale, edition of 1951, photo revised 1970.

No significant changes were noted.

Comparison was made with this map (TP-00136) and the following Nautical Chart:

Nautical Chart 1245, 9th Edition dated May 26, 1973

No significant differences were noted between the map and nautical chart, except for the light that is not shown on the map.

66. Adequacy of Results and Future Surveys

Coastal Zone Map TP-00136 complies with the project instructions for NOS Cooperative Mapping, Job PH-7000. This map meets the National Map Accuracy Standards.

Submitted by,

Donald M. Brant

Donald M. Brant

Approved:

3/17/74

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

Feb. 9, 1973

GEOGRAPHIC NAMES

FINAL NAMES SHEET

Ph-6910 N (Florida)

TP-00136

Atlantic Ocean

Canaveral Bight

Canaveral Peninsula

~~Cape Kennedy~~ Cape Canaveral

Cape Kennedy Air Force Station (NASA)

Approved by:

A. J. Wraight

A. Joseph Wraight
Chief Geographer

Prepared by:

C. E. Harrington

C. E. Harrington
Cartographer

4-159

CORRECTIONS TO C.G. LIGHT LIST, VOLUME II, ATLANTIC AND GULF COAST, 1973

51 J-558	CAPE CANAVERAL LIGHT. Gp. Fl. W., 60s 0.2s fl., 14.8s ec. 0.2s fl., 14.8s ec. 0.2s fl., 29.8s ec. 3 flashes	On cape, 1 mile back from shore line. 28 27.6 80 32.6	26	137	White and black horizontally banded, conical iron tower. 145	RADIOBEACON: See p. XVIII for method of operation. Antenna 140 feet 143° from light tower. 1848-1894
Pg. 7	*Cape Canaveral Danger Zone Buoy A.*	In 38 feet 28 36.1 80 31.4			White and orange vertical stripes; can.	White reflector.
	Cape Canaveral Danger Zone Buoy B.	In 46 feet 28 31.0 80 29.5			White and orange vertical stripes; can.	Orange reflector.
	Cape Canaveral Danger Zone Buoy C.	In 40 feet 28 27.6 80 28.2			White and orange vertical stripes; can.	Orange reflector.
	Cape Canaveral Fish Haven Buoy B10.	In 75 feet 28 30.0 80 21.3			Orange and white horizontal, can.	Private aid.

C.G. 47/73.

23 Nov, 1973

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: 3/11/74

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

JOB NUMBER: PH-6910

STATE:

SURVEY NUMBER: T - TP- 00136

DATUM: N.A. 1927

POSITION

METHOD AND DATE OF LOCATION *(See instructions on reverse of this form)*

CHARTING NAME	DESCRIPTION	LATITUDE ° ′	LATITUDE ″ D.M. METERS	LONGITUDE ° ′	LONGITUDE ″ D.P. METERS	FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
LIGHT	CAPE CANAVERAL LIGHT HOUSE CENTER 1934	28 27	36.261 1116.3	80 32	37.263 1013.8		Triang. 70L008A 11/5/70	*	1245

* No field data available for this station (Refer to Review Report in the Descriptive Report.)

22

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	W.H. Shearouse	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
	J.C. Richter	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Listed on 76-40 and 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

COMPILATION

FIELD INSPECTION AND FIELD EDIT

TYPE OF ENTRIES

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

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.'

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: 3/11/74

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

JOB NUMBER: PH- 6910

STATE:

SURVEY NUMBER: T - TP-00136

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
TANK	Tank south of two Cape Canaveral south Water Tank (new)1955 ht=169(179)	28 29	15.213 468.32	80 34	52.556 1429.5			Triang. Rec. 7/20/71 70L008A	1245

23

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	W.H. Shearouse	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
	J.C. Richter	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Listed on Form 76-40 and checked after typing. D. Brant	☐ REVIEWER ☒ QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE

INSTRUCTIONS FOR 'METHOD AND DATE OF LOCATION' SECTION

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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		

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

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

NOAA FORM 76-40
(2-71)
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U.S. DEPARTMENT OF COMMERCE—NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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(See reverse for responsible personnel)

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☒ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

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JOB NUMBER: PH- 6910

STATE:

SURVEY NUMBER: T - TP-00136

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
TELEM ANT	Ant. has been sold and is to be dismantled and removed.	28 27.	~~7~~	80 35.	~~0~~			7/20/71	1245
POLE	Pole	28 25.	~~2~~	80 34.	~~9~~			7/20/71	1245

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	W.H. Shearouse	☐ FIELD INSPECTOR ☒ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
	W.H. Shearouse	FIELD EDITOR
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a. Theodolite		
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3. Position Verified – Enter 'Verif. mo/day/yr.'

TP-00136
Data Forwarded to Federal Records Center

1 Field Edit Sheet

1 Discrepancy Print

1 76-36C(History of Field Edit)

2 Forms 76-40 (Landmarks and Aids)

Photographs:

70L008A (Transparency)

Contact scale: 70L7266 thru 7268; 70L7797

70L008A (Ratio scale 1:10,000)