original

TP-00111

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-6716..... *Map No.* TP-00111..

Classification No. Final *Edition No.* ....1.....

Field Edited Map

LOCALITY

State ..Florida.....

General Locality ..Brevard..County.....

Locality Playalinda Beach to False

.....Cape.....

1967 TO 1970

REGISTRY IN ARCHIVES

DATE MAY 16 1974

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

TP-00111

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-00111

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH-6716

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 I, August 19,1973 Note: Office and Field Edit instructions (1973) incorporate applicable prior operational instructions.	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): Mean water-level(refer to record of Decisions)

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	J.D. Perrow	9/69
	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	P. Dempsey	1/70
	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:10,000	PLANIMETRY BY	M.C. Webber	2/70
	CHECKED BY	J.P. Battley	2/70
	CONTOURS BY	Inapplicable	
	CHECKED BY		
4. MANUSCRIPT DELINEATION METHOD: Shoreline:Graphic Interior:Orthophoto mosaic	PLANIMETRY BY	M.C. Webber	2/70
	CHECKED BY	J.P. Battley	2/70
	CONTOURS BY	Inapplicable	
	CHECKED BY		
SCALE:	~~PHOTOGRAPHIC~~ BY	J. Taylor	3/70
	CHECKED BY	J.P. Battley	3/70
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J.P. Battley	3/70
6. APPLICATION OF FIELD EDIT DATA	BY	J.C. Richter	9/70
	CHECKED BY	J.P. Battley	9/70
7. COMPILATION SECTION REVIEW	BY	J.P. Battley	10/70
8. FINAL REVIEW	BY	J.P. Battley	11/70
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	D.M. Brant*	
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R.J. Leato	5/74

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

* See review report

* 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-00111

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8
S&L Camera 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: 60th ☒ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
67S(C)5844-5847	10/3/67	10:55	1:40,000	The stage of tide is inapplicable for the color photography.
69L3570R-3574R	8/26/69	12:05	1:30,000	**+0.40MLW*+0.11MWL
69L3740R-3742R	8/27/69	08:58	1:30,000	**+0.36MHW
69L3768R-3769R	8/27/69	09:07	1:30,000	**+0.31MHW
69L3789R-3791R	8/27/69	09:22	1:30,000	**+0.16MHW *+0.20MWL

REMARKS *Orsino Causeway Tide Station ** Port Canaveral Tide Station
Range 3.58

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high-water line along the Atlantic Coast is the black and white 1969 infrared photography listed in item 1. The mean water-level line was mapped on the interior waterways in lieu of the mean high-water line(refer to the Record of Decisions). The source of the mean water-level line is the 1969 black and white infrared photography listed in item 1. The shoreline was field edited in May 1970.

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

The source of the mean low-water line, mapped along the Atlantic Coast, is the 1969 black and white infrared photography listed under item 1. The shoreline was field edited in May 1970.

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
No contemporary survey	No contemporary survey	TP-00114 TP-00115	TP-00110

REMARKS
Final junctions were made in 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-00111

HISTORY OF FIELD OPERATIONS

I. [XX] FIELD INSPECTION OPERATION *See item 8 [X] FIELD EDIT OPERATION May 1970

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		W.H. Shearouse	5/70
2. HORIZONTAL CONTROL	RECOVERED BY	W.H. Shearouse	5/70
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	W.H. Shearouse	5/70
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	W.H. Shearouse	5/70
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	W.H. Shearouse	5/70
	LOCATED (*Field Methods*) BY	None	
	IDENTIFIED BY	W.H. Shearouse	5/70
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION: [ ] COMPLETE [X] SPECIFIC NAMES ONLY [ ] NO INVESTIGATION — BY	W.H. Shearouse	5/70
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	W.H. Shearouse	5/70
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION
69L3572R	S193 Playalina 1959
69L3573R	D214 Chester 3 1964
69L3741R	T193
69L3743R	N215
69L3788R	R193
69L3791R	K207
69L3571R	J132

3. PHOTO NUMBERS (*Clarification of details*)

69L3572R, 3742R, 3743R, 3769R, 3788R, 3789R, 3571R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME
Transparency 69L3878	Banana River(North)Dybn51 Light 52, Dybn53, Light54, Dybn55, Light56, Dybn57, Channel B Daybn 1, Dybn2, Dybn3, Light 6 Turning Basin Dybns 8,9,10

PHOTO NUMBER	OBJECT NAME
	TOWER (PLAYALINDA, 1959)

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

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

7. SUPPLEMENTAL MAPS AND PLANS

Corps of Engineers plans for Saturn Barge Channel

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

Refer to page 10 of this report concerning field inspection operations and data.

NOAA FORM 76-36D
(3-72)

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

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
	1388	10/12/73	One report was submitted (3)

2. ☑ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: October 12, 1973
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: 5/16/74 R.J.G.

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

	SURVEY NUMBER	JOB NUMBER	
SECOND EDITION	TP - _____ (2)	PH - _____	TYPE OF SURVEY ☐ 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

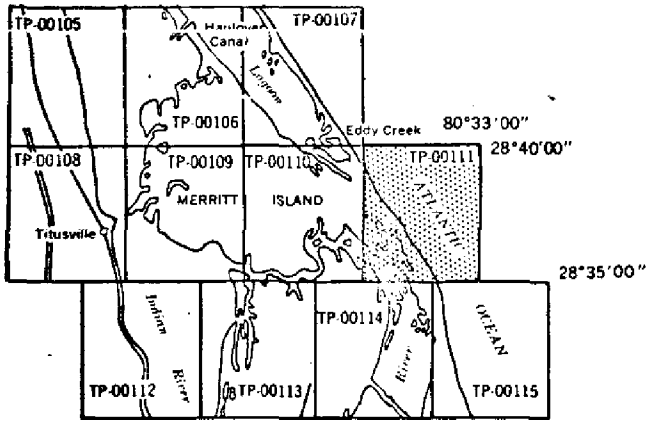
NOAA FORM 76-36D

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

SUPPLEMENTAL CONTROL DATA FOR COASTAL ZONE MAP

TP-00111

INDEX TO ADJOINING SHEETS



Florida

Brevard County

False Cape to Playlinda Beach

April 1973

Geodetic Bench Mark	Elevations (feet) SLD 1929	Condensed Description
J 132	6.096	C&GS disk stamped J 132 1953; 28 ft. NE centerline road, 1 ft. NW witness post, in concrete post projecting 4 inches.
PLAYALINDA	10.656	C&GS disk stamped PLAYALINDA 1959; a Bilby tower is over mark.
K 207	11.480	C&GS disk stamped K 207 1963; 1.3 ft. S of station PLAYALINDA.
R 193	5.699	C&GS disk stamped R 193 1964; approx. 200 ft. N crawlerway, in edge of brush, 2 ft. E witness post.
D 214	15.062	C&GS disk stamped D 214 1964; 83 ft. SE of SW corner bldg., 64 ft. E fire hydrant, 25 ft. NW of NW corner concrete pad.
N 215	7.999	C&GS disk stamped N 215 1965; 23 ft. SW centerline road, 37 ft. S of trail west, in concrete post projecting 2 inches.
S 193	3.570	C&GS disk stamped S 193 1964; on tiny islet approx. 600 ft. N of small bldg. on pressure gas line.
T 193	8.451	C&GS disk stamped T 193 1964; 118 ft. NE centerline road, 78 ft. W of W rail, in concrete post projecting 8 inches.
CHESTER 3	14.400	C&GS disk stamped CHESTER 3 1964; 82 ft. E of E rail, in concrete monument under wooden observing stand.

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
CHESTER 3, 1964	Distribution of data is restricted. Write the Director, National Geodetic Survey, for information.
PLAYALINDA, 1959	"

Record of Decisions
Pertaining to Symbolization of the MHW, MLW, and MWL Datums
Map TP-00111

Shoreline Delineation

The mean low-water and mean high-water tidal datums were determined along the outer coast of the Atlantic Ocean from tide observations at Port Canaveral. The interior waters shown on this map are Pintail Creek, Bluebill Creek, Saturn Barge Channel and Cochran Cove. The datum for Pintail Creek, Bluebill Creek, and Saturn Barge Channel was established by observations at VAB Turning Basin Tide Station (situated just west of this map) and for Cochran Cove, the datum was established by observations at VAB Banana Creek Tide Station (also just west of this map).

The periodic tide for these interior waters was masked by nontidal forces and the mean range was substantially less than two-tenths of a foot. In this situation, the mean high/low-water datums converge and, for mapping purposes, the mean high- and mean low-water lines are indistinguishable. As a consequence, special treatment was given to the portrayal of the shoreline of the interior waters on this map; the mean water-level line was mapped in lieu of the mean high-water line and shown by a distinctive symbol, except in areas where there are manmade features such as bulkheads which were portrayed by a solid line, or where vegetation such as mangrove obscures the shoreline and then the apparent shoreline symbol was used.

Decision Responsibility for Shoreline Symbolization

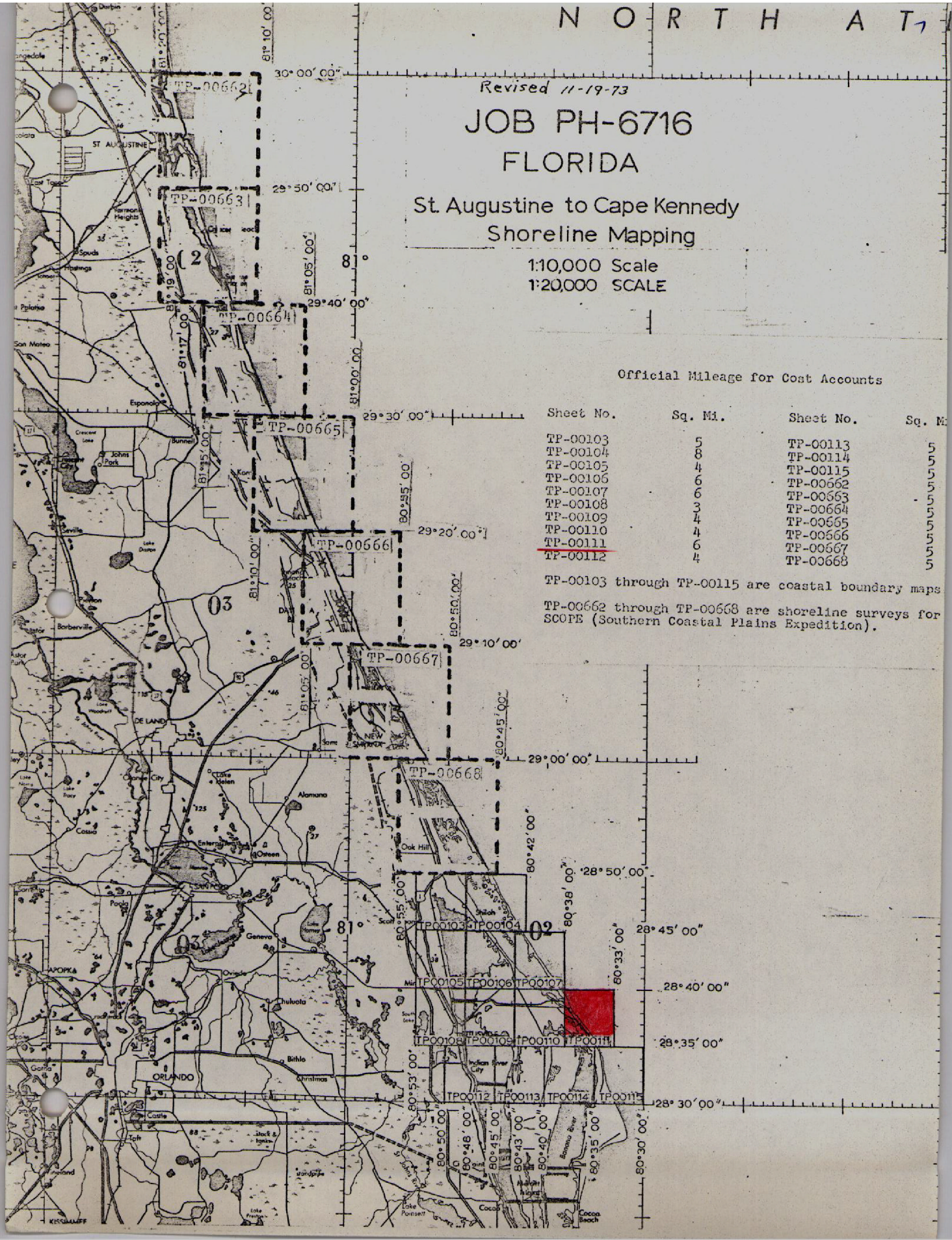
Specific decisions as to the symbolization for mapping the mean water-level line, apparent shoreline, and solid lines for alongshore manmade features were made January 10, 1973, in Rockville, Maryland, by competent technical officials of National Ocean Survey. Cdr. Wesley V. Hull, Chief, Coastal Mapping Division, provided the technical field survey and cartographic expertise and Mr. Carroll I. Thurlow, Chief, Tidal Datum Planes Section, rendered decisions on tidal datum matters.

They also examined photographs and field edit reports with respect to inland penetration of small streams and drainages; and concluded that those features were properly delineated and symbolized on the map. It was also noted that the inland extent of field inspection of the shoreline, up small creeks and drainages was properly shown on the map; it is indicated on the map where the red shoreline symbolization abruptly terminates, but joins the continuing photomosaic portrayal of the shoreline.

See Review Report for clarification of date.

Archiving

A copy of this report shall be included included in Descriptive Report TP-00111 which will be permanently filed in the Bureau Archives.



Official Mileage for Cost Accounts

Sheet No.	Sq. Mi.	Sheet No.	Sq. Mi.
TP-00103	5	TP-00113	5
TP-00104	8	TP-00114	5
TP-00105	4	TP-00115	5
TP-00106	6	TP-00662	5
TP-00107	6	TP-00663	5
TP-00108	3	TP-00664	5
TP-00109	4	TP-00665	5
TP-00110	4	TP-00666	5
TP-00111	6	TP-00667	5
TP-00112	4	TP-00668	5

TP-00103 through TP-00115 are coastal boundary maps

TP-00662 through TP-00668 are shoreline surveys for SCOPE (Southern Coastal Plains Expedition).

SUMMARY
TP-00103 thru TP-00115

Coastal Zone Map TP-00111 is one of thirteen (13) similar maps in project PH-6716. The layout of sheets (page 6 of this report) will show its location. These maps are intented 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 1967 and 1969 on regular color and black and white infrared film. The black and white 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 the tide-coordinated black and white infrared photography using a stereoplotter 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 Inspection

Field operations performed prior to compilation were limited to recovery of horizontal control required for compilation, placing targets on selected horizontal control stations in advance of aerial photography, and photoidentification of supplemental control stations after photography. A Field Inspection Report was not considered appropriate and was not prepared.

Photogrammetric Plot Report
Cape Kennedy, Florida
Job PH-6716
October, 1970

21. Area Covered

This report covers the area immediately north of Cape Kennedy, Florida, from Latitude 28° 30' to 28° 50'. The job consists of thirteen (13) 1:10,000 scale sheets, TP-00103 thru TP-00115.

22. Method

Five (5) strips of photographs were bridged using analytical aerotriangulation methods. Strips 1 thru 4A were bridged using 1:40,000 scale color photography. Strip 50 was bridged using 1:25,000 scale panchromatic photography. Compilation was done concurrently with the bridging. No difficulty was encountered in the bridging or compiling strip 1. However, because of weak control, ties between strips 2, 3 and 4A were poor and subsequently these three strips were adjusted as a block. However, we still felt that the block was not as adequate as we would like. Therefore, a 1:25,000 scale strip flown at a later date was taken advantage of and bridged, using additional control. With this additional strip, the aerotriangulation proved adequate.

23. Adequacy of Control

Some of the horizontal control was premarked. All the control used in bridging strip 50 was office identified prior to the field work. That is, sub points were picked in the office, identified on the contact prints to be located by ground methods by the field party. This was done in order to save time by not holding up the aerotriangulation. The results proved very satisfactory. The horizontal control was adequate for bridging.

24. Photography

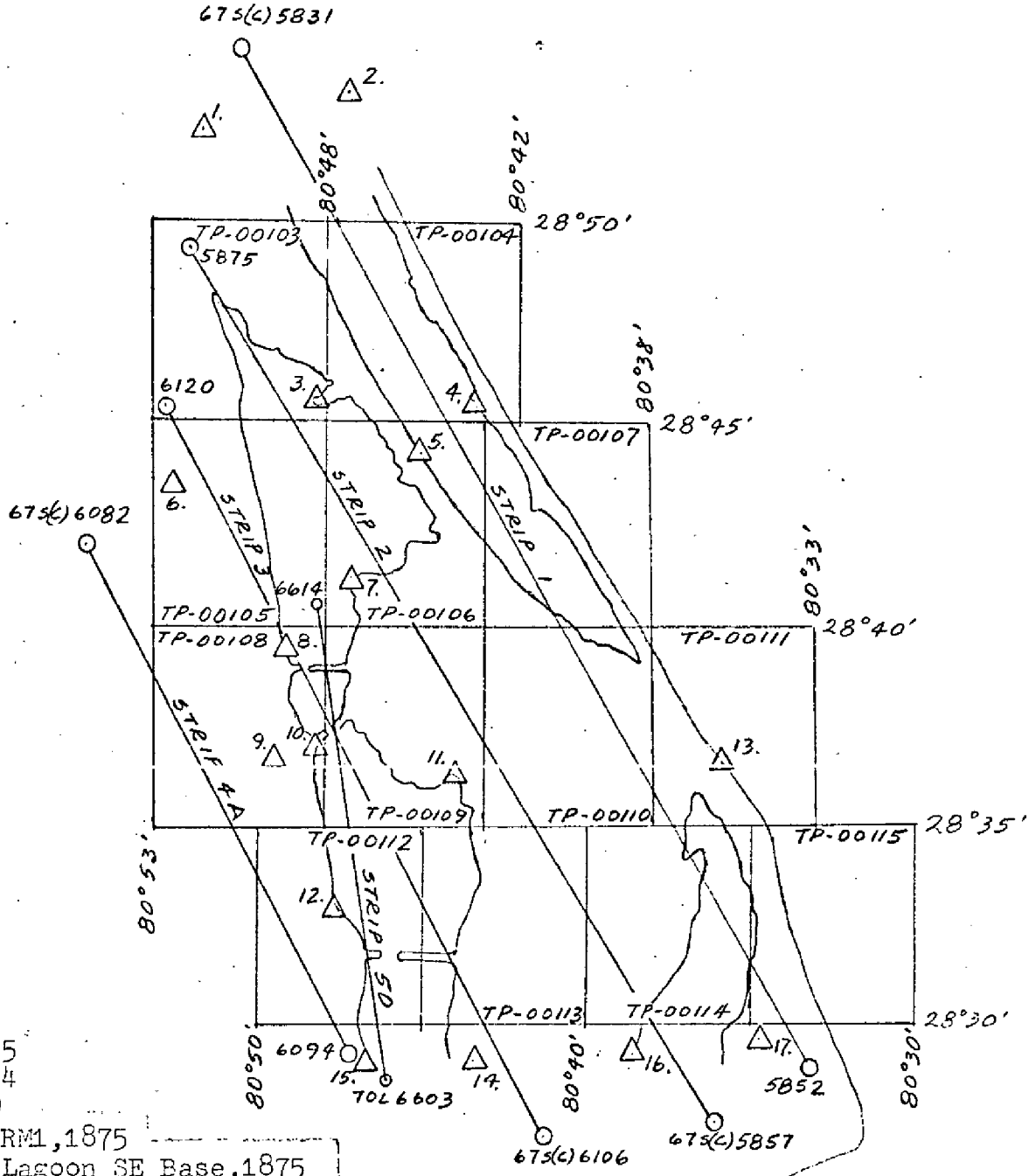
The definition and quality of the photography from the RC-8 "5" and "L" cameras were good.

Respectfully submitted:

I. J. Sapozstein

Approved and forwarded:

Henry P. Elehert, Chief
Aerotriangulation Section



1. Oak 2,1955
2. Mount,1934
3. Bush,1940
4. Scorpion RM1,1875
5. Mosquito Lagoon SE Base,1875
6. Titusville NW Base,1934
7. Whynot,1963
8. NS(USE)1940
9. Titusville New Munic. WT,1960
10. Titusville Water Tank,1934
11. Stayout,1963
12. Indian River City Microwave Mast,1960
13. Chester 3,1964
14. Courtenay,1953
15. Frontenac Fla. Power & Light Co. Smokestack,1964
16. Paxton,1960
17. Central,1950

AEROTRIANGULATION SKETCH
CAPE KENNEDY, FLORIDA
JOB PH-6716
October, 1970

△ = Horizontal Control
○ 1:40,000 scale color photos
○ 1:25,000 scale pan. photos

Station	NOS Geodetic Data Reference for Description, Positions, Coordinates and Azimuths
CHESTER 3, 1964	Distribution of data is restricted. Write the Director, National Geodetic Survey, for information.
PLAYALINDA, 1959	"

COMPILATION REPORT
TP-00111

31. Delineation

The interior features on TP-00111 are depicted by an orthophoto mosaic using rectified black and white prints of the color photography. Control for rectifying the color photography was furnished by the analytic bridge.

The shoreline on this map was compiled graphically from tide-coordinated, black and white infrared photography. The color photography was used as an aid in interpreting culture and alongshore features.

The control for the graphic compilation consisted of planimetric features and map points compiled from models of the color photography set on the Wild B-8 stereoplotter.

32. Horizontal Control

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

33. Supplemental Data

Vertical control from USGS Quadrangles was used for leveling the B-8 stereo models.

34. Contours and Drainage

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

35. Shoreline and Alongshore Details

The photography was adequate for the interpretation and delineation of the shoreline and alongshore features.

36. Offshore Details

No unusual problems were encountered with the offshore details.

37. Landmarks and Aids to Navigation

Landmarks and aids to navigation that were located (visible on photography or having a published position) during compilation will be verified or recovered by the field editor. Landmarks and aids to navigation not visible on the photography will be located by field methods.

38. Control for Future Surveys

None.

39. Junctions

Refer to form 76-36B (page 2 of this Descriptive Report).

40. Horizontal Accuracy

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

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

USGS Quads False Cape, Fla., 1:24,000 scale, edition of 1951
USGS Quads Wilson, Fla., 1:24,000 scale, edition of 1952.

47. Comparison with Nautical Charts

Nautical Chart 1245, 1:80,000 scale, 7th edition, Aug. 30, 1969.

Items to be Applied to Nautical Charts Immediately: None.

Items to be Carried Forward: None.

Submitted by,
Martha C. Webber (MB)
Martha C. Webber
Cartographic Tech.

Approved and forwarded:
K. N. Maki (JB)
K. N. Maki
Chief, Compilation Section

Field Edit Report, Map TP-00111, Job PH-6716

51. METHODS

The shoreline of all navigable waterways was viewed from a small boat and notes made on the ratio photographs for suggested corrections. The levee symbol should be added along the shoreline in the general area south of the crawlerway.

All passable roads were ridden for verification. At the same time vegetation classification was checked. Notes will be found on FIELD EDIT SHEET NO. 1 and the ratio photographs.

Nonfloating aids to navigation were verified if located during compilation. One was located by sextant fix and field plotted on FIELD EDIT SHEET NO. 2. Several other aids were identified by direct marking on color transparency 69L3878. Dates of field verification have been entered on the Form 567 originally prepared in Rockville.

One landmark is recommended. It is a Bilby steel tower permanently in place over triangulation station PLAYALINDA 1959. Form 567 is submitted. The geographic position of the station is not available in the field and it is respectfully requested that it be added in the office and the Form completed.

Geodetic bench marks were searched for and identified on the ratio photographs. Their approximate positions have been indicated on FIELD EDIT SHEET NO. 2. Descriptions of bench marks furnished the field party appear to be incomplete. Some marks were found by observing the witness posts along the road. Recovery notes are submitted for each bench mark recovered.

Additions, deletions and corrections have been noted on the field edit sheets or the DISCREPANCY PRINT and cross-referenced to the ratio photographs.

Violet ink was used for field notes; green for deletions.

52. ADEQUACY OF COMPILATION

Extensive correction to vegetation classification is required. After these changes are made and application of other field edit notes the compilation will be adequate.

53. MAP ACCURACY

No tests were specified.

54. RECOMMENDATIONS

None offered.

55. EXAMINATION OF PROOF COPY

Not required.

56. GEOGRAPHIC NAMES

Names shown on the map manuscript were compared with the NASA Master Plans (maps). NASA does not show BROADAXE POINT or DEVILS ELBOW. As they own and control and use all the area it is recommended that the two names be omitted. All other names are used by the NASA people.

The names SATURN BARGE CHANNEL, SATURN CAUSEWAY, CAPE ROAD and BEACH ROAD should be added. These are all in use by NASA.

Submitted 5/21/70

William H. Shearouse

William H. Shearouse
Chief, Photo Party 60

Review Report TP-00111
Coastal Zone Map
October 1973

A detailed review of TP-00111 and its related records was made in the Coastal Mapping Section prior to its publication. 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

Comparison was made with the following USGS quadrangles and Nautical Chart:

Wilson, and False Cape, Florida, 1:24,000 scale, 1949, photorevised 1970
Nautical Chart 1245, 8th edition, September 11, 1971

No significant differences were noted during the comparisons.

The color photography dated October 1967 was used for bridging and the photomosaic. This photography was supplemented by ~~additional~~ photography dated August 1970. (Refer to photogrammetric plot report.) ~~The~~ black and white infrared photography taken in August 1969 was used for the compilation of the shoreline. The note on the published map does not mention the August 1969 photography.

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 lated date reflected in the Record of Decisions.

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

Submitted by,

Donald M. Brant

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

TP-00111

48. Geographic Name List

Atlantic Ocean
Bald Pate Creek
Beach Road
Bluebill Creek
Broadaxe Creek
Broadaxe Ridge
Canaveral Club
Cape Road
Chester Shoal
Cochran Cove
False Cape
Gator Hole
Gulbrandsen Creek
Jack Davis Island
Pepper Flats
Pintail Creek
Playalinda Beach
Saturn Barge Channel
Saturn Causeway
Titusville Beach
U. S. Government R.R.

PREPARED BY

Frank W. Pickett

CARTOGRAPHIC TECHNICIAN

APPROVED BY

A. O. Wright

CHIEF GEOGRAPHER

By J. W. P.

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 REVIE

(See reverse for responsible personne

☒ TO BE CHARTED
☐ TO BE DELETED

ORIGINATING LOCATION: Rockville, Maryland

DATE: Oct.1973

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

JOB NUMBER: PH-6716

STATE: Florida

SURVEY NUMBER: T - TP-00111

DATUM: N.A. 1927

CHARTING NAME	DESCRIPTION	POSITION LATITUDE ° ′	LATITUDE ″ D.M.METERS	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P.METERS	METHOD AND DATE OF LOCATION (See instructions on reverse of this form) FIELD INSPECTION	COMPILATION	FIELD EDIT	CHARTS AFFECTED
	BANANA RIVER (NORTH) (CHANNEL B)								
DYBN	Daybeacon 1	28 35	28.6 881.0	80 36	32.9 894.0			P-1 69L3878 4/1/70	1245
DYBN	Daybeacon 2	28 35	26.8 826.0	80 36	32.2 875.0			P-1 69L3878 4/1/70	1245
DYBN	Daybeacon 3	28 35	40.0 1230.0	80 36	11.9 323.0			P-1 69L3878 4/1/70	1245
LIGHT	Light 6	28 35	48.0 1478.0	80 35	53.5 1455.0		67S5846	P-4 Verif. 4/1/70	1245
	BANANA RIVER Turning Basin								
DYBN	Daybeacon 8	28 36	21.6 666.0	80 35	53.7 1459.0			P-1 69L3878 4/1/70	1245
DYBN	Daybeacon 9	28 36	14.7 454.0	80 36	1.6 44.0			P-1 69L3878 4/1/70	1245
DYBN	Daybeacon 10	28 36	21.8 670.0	80 35	57.2 1554.0			P-1 69L3878 4/1/70	1245 02

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
	M. C. Webber	COMPILER
3. Forms originated by Quality Control and Review Group and final review activities	Copy checked after typing on Form 76-40	☐ 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 R

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NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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- [ ] FIELD EDIT
- [ ] COMPILATION
- [ ] FINAL REVIEW
- [x] QUALITY CONTROL AND EVI

(See reverse for responsible person

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	BANANA RIVER (NORTH)								
DYBN	Daybeacon 51	28 35	1.4 43.0	80 36	23.5 638.0			P-1 69L3878R 4/1/70	1245
LIGHT	Light 52	28 35	6.8 209.0	80 36	21.4 581.0			P-1 69L3878R 4/1/70	1245
DYBN	Daybeacon 53	28 35	10.0 308.0	80 36	26.3 714.0			P-1 69L3878R 4/1/70	1245
DYBN	Currently Cht. as Lt. Daybeacon 54	28 35	24.0 738.0	80 36	33.1 900.0			P-1 69L3878R 4/1/70	1245
DYBN	Daybeacon 55	28 35	24.1 741.0	80 36	36.5 992.0			P-1 69L3878R 4/1/70	1245
LIGHT	Light 56	28 35	31.3 963.0	80 36	38.2 1038.0			P-1 69L3878R 4/1/70	1245
DYBN	Daybeacon 57	28 35	30.1 927.0	80 36	44.7 1215.0			P-1 69L3878R 4/1/70	1245
DYBN	Daybeacon 59	28 35	33.2 1023.0	80 37	8.4 228.0			P-1 69L3878R 4/1/70	1245 12
LIGHT	Light 60	28 35	36.0 1109.0	80 37	12.3 334.0		67S5846	P-4 Verif. 4/1/70	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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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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STATE: Florida

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
TOWER	Skelton steel Bibly Tower (PLAYALINDA 1959) ht=64(74)	28 38	35.068 1079.6	80 37	26.682 724.7			Triang. Rec. 1245 5/19/70	
									22

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
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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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CLUB HOUSE	Does not exist	28 36.	~~7~~	80 36.	~~2~~				1245

23

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TYPE OF ACTION	NAME	TITLE
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a. Theodolite		
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TP-00111
Data Forwarded to the Federal Records Center

2 Field edit sheets (field edit sheet # 1 and #2)

2 Ozalid copies (one is the Discrepancy Print)

Photography:

69L3572R and 3573R, 3571R
69L3741R thru 3743R
69L3769R
69L3789R and 37915
69L3878 Transparency

4 Forms 567