original

TP-00110

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-00110

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State ..... Florida

General Locality . Brevard County

Locality . Max Hoeck to Banana Creek

19 67 TO 19 70

REGISTRY IN ARCHIVES

DATE MAY 16 1974

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

TP-00110

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-00110
MAP EDITION NO. (1)
MAP CLASS Final
JOB PH-6710

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 the Record of Decisions)

3. MAP PROJECTION
Transverse Mercator

4. GRID(S)

STATE	ZONE
Florida	East

5. SCALE
1:10,000

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	J.D. Perrow	Sept.69
	LANDMARKS AND AIDS BY	Inapplicable	
2. CONTROL AND BRIDGE POINTS METHOD: CORA DOMATT	PLOTTED BY	P.J. Dempsey	12/69
	CHECKED BY	Inapplicable	
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	M.C. Webber	12/69
	CHECKED BY	J.P. Battley, Jr.	12/69
INSTRUMENT: Wild B-8	CONTOURS BY	Inapplicable	
SCALE: 1:10,000	CHECKED BY		
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	M.C. Webber	1/70
Shoreline:Graphic	CHECKED BY	J.P. Battley,Jr.	1/70
	CONTOURS BY	Inapplicable	
METHOD: Interior:Orthophoto Mosaic	CHECKED BY		
	~~PHOTOGRAMMETRIC SUPPORT~~ BY	J. Taylor	2/70
SCALE: 1:10,000	CHECKED BY	J.P. Battley	2/70
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J.P. Battley	4/70
6. APPLICATION OF FIELD EDIT DATA	BY	M.C. Webber	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	12/70
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	* D.M. Brant	10/73
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R.J. Eaton	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-00110

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

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

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

TIME REFERENCE
ZONE: Eastern ☐ STANDARD
MERIDIAN: 60th ☒ DAYLIGHT

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

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
67S(C)5843-5845	10/3/67	10:55	1:40,000	The stage of tide is inapplicable for the color photography.
67S(C)5863-5864	10/3/67	12:09	1:40,000	
69L3765R-3767R	8/27/69	09:07	1:30,000	*+0.31MHW**+0.21MWL ***+0.13MWL
69L3569R-3570R	8/26/69	12:05	1:30,000	**+0.40MLW***+0.04MWL
69L3787R&3788R	8/27/69	09:21	1:30,000	**+0.20MWL***+0.13MWL

REMARKS *Port Canaveral Tide Station;**Orsino Causeway Tide Station; and ***Titusville Tide Station were used to insure that the water level was not significantly above or below the MWL Datum in Mosquito Lagoon.

2. SOURCE OF MEAN HIGH-WATER LINE:

The source of the mean high-water line (Atlantic Coast) is the 1969 black and white infrared photography listed in item 1. The mean water-level line was mapped in lieu of the mean high-water lime along the Banana Creek. The source of the mean water-level line is the 1969 infrared photography listed in item 1. Refer to Record of Decisions bound with this report.
The shoreline was field edited in June 1970.

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

The source of the mean low-water line (Atlantic Coast) is the 1969 infrared photography listed in item 1.

The shoreline was field edited in June 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
TP-00107	TP-00111	TP-00113 TP-00114	TP-00109

REMARKS
Final junctions were made by the Coastal Mapping Section.

* 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-00110

HISTORY OF FIELD OPERATIONS

1. [X] FIELD INSPECTION OPERATION *See item 8 below [X] FIELD EDIT OPERATION June 1970

OPERATION		NAME	DATE
I. CHIEF OF FIELD PARTY		W.H. Shearouse	6/70
2. HORIZONTAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	W.H. Shearouse	6/70
	ESTABLISHED BY	None	
	~~PRE-MARKED OR~~ IDENTIFIED BY	W.H. Shearouse	6/70
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	None	
	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	6/70
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	W.H. Shearouse	5/70
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER	STATION DESIGNATION
69L3570R	W193, X193, Y193, X131
69L3766R	F207, Q215, V193
69L3767R	F210, 333(USE), 335(USE)
69L3788R	N193, P193, P215
67S(C)5844	Y209, 336(USE)

3. PHOTO NUMBERS *(Clarification of details)*

67S(C)5863,5864; 69L3570R,3766R,3767R,3788R

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

Two landmarks were located by field methods. There were no non-floating aids to navigation.

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
69L3766R	POLE		
69L3767R	TOWER		

5. GEOGRAPHIC NAMES: [ ] REPORT [X] 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)*

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

* 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

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.

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 K.J.G.

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

NOAA FORM 76-36D

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

Record of Decisions
Pertaining to Symbolization of the MHW, MLW, and MWL Datums
Map TP-00110

Shoreline Delineation

The mean low-water and mean high-water tidal datums were determined along the short stretch of outer coast shown on this map (Atlantic Ocean).from tide observations at Daytona Beach and Port Canaveral Tide Stations. The inland waters covered by this map are Max Hoeck Creek, Saturn Barge Channel, and Banana Creek. The datum for Max Hoeck Creek was established by observations at the Eddy Creek Tide Station. The datum for Saturn Barge Channel was established by observations at VAB Turning Basin Tide Station and the datum for Banana Creek was established by observations at VAB Banana Creek Tide Station; both stations are on this map.

In the inland waters, the periodic tide 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 on this map; tie mean water-level line was mapped in lieu of the mean high-water line and shown by a distincitve 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 the alongshore manmade features were made November 1972 in Rockville, Maryland, by competent technical and legal officials of NOS and NOAA. NOS was officially represented by Cdr. Wesley V. Hull, Chief, Coastal Mapping Division, and Mr. Carroll I. Thurlow, Chief, Tidal Datum Planes Section of the Oceanographic Division. The official NOAA representative was Mr. Hugh J. Dolan, Staff Attorney, Office of General Counsel. They based their decisions on an examination and evaluation of tide station records, aerial photographs, and field edit records and reports.

Decisions Pertaining to Shoreline Symbolization of Small Drainages

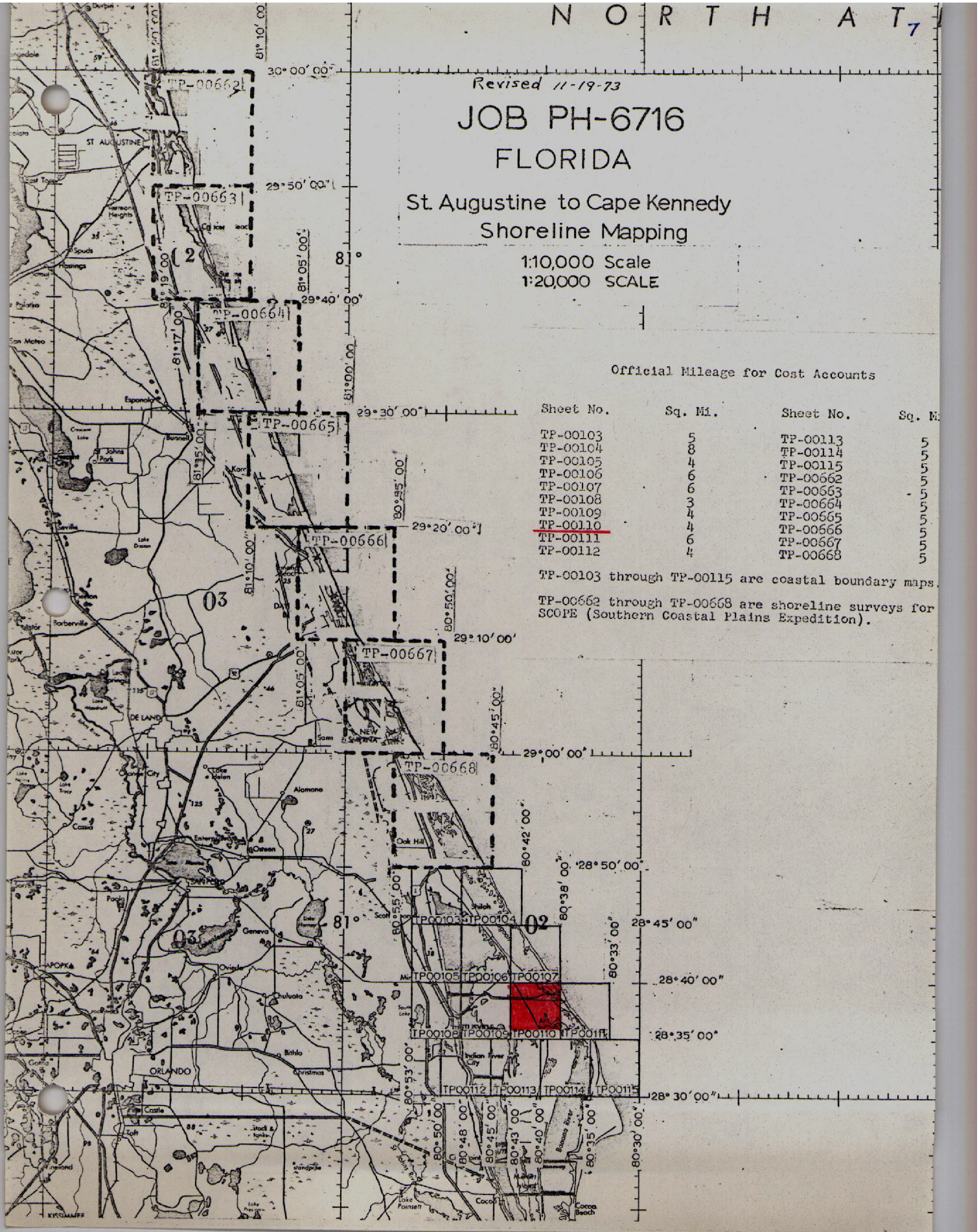
NOAA-NOS officials examined the inland penetration of small creeks and drainages and determined by examination of photographs and

\# See Review Report for clarification of date.

and field edit records that shoreline symbolization portrays those features correctly on the map. For example, the drainage of Cedar Hammok Creek, situated in the southwest corner of the map, apparently extends inland a considerable distance but the shoreline is closed off as mapped, by a levee which is referred to in the field edit records.

Archiving

A copy of this report shall be included in Descriptive Report TP-00110 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-00110 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

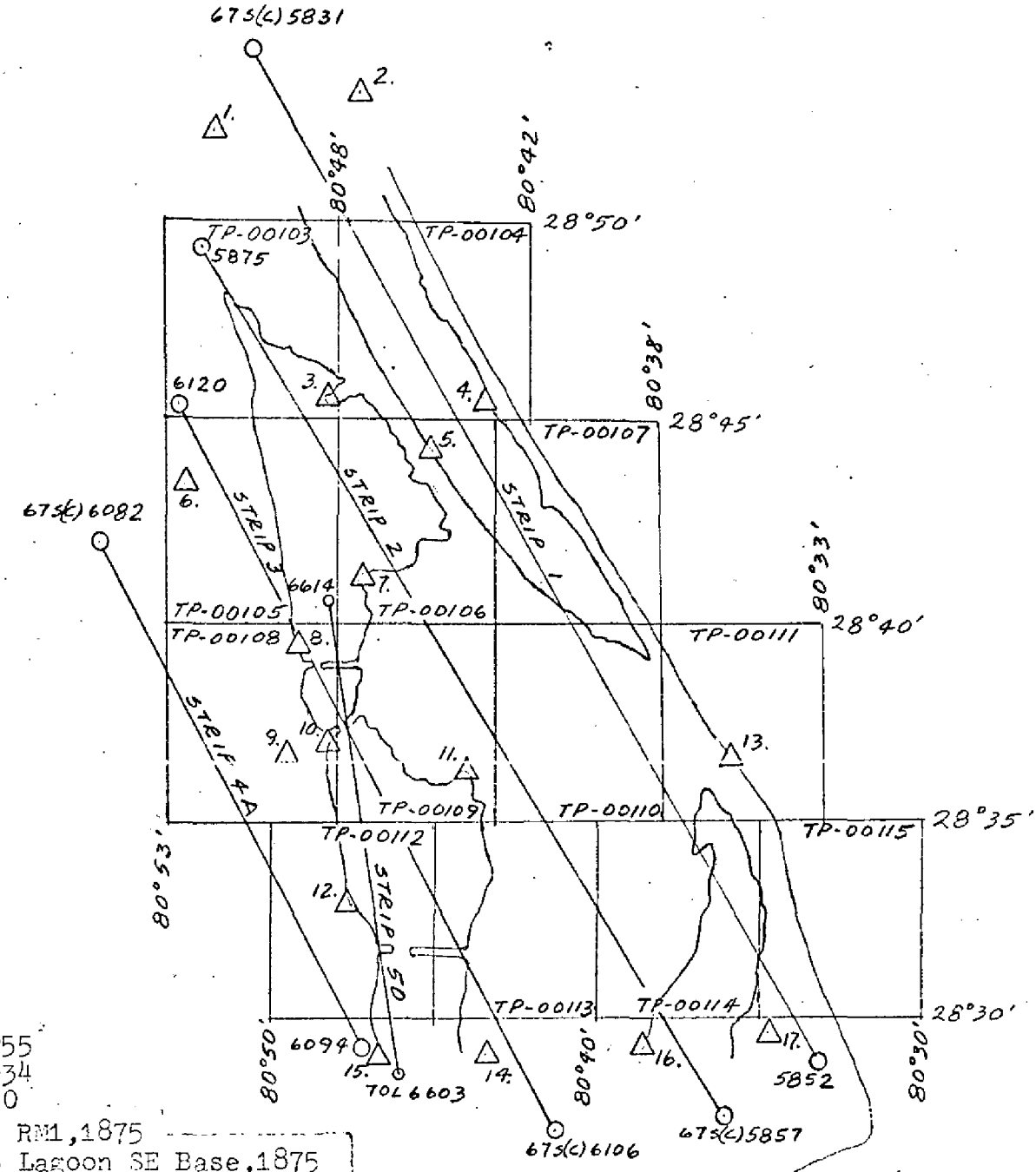
The definition and quality of the photography from the RC-8 "S" and "L" cameras were good.

Respectfully submitted:

I. I. Sapeystein

Approved and forwarded:

Henry P. Eichert, 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

COMPILATION REPORT
TP-00110

31. Delineation

The interior features on TP-00110 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 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. The mean low-water and mean high-water lines were compiled along the short stretch of the outer coast (Atlantic Ocean). The inland waters on this map are compiled as the mean water-level line (Refer to the Record of Decisions bound with this report).

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids to Navigation

There are two charted landmarks on this map. These landmarks will be investigated during field edit. There are no charted aids to navigation on this map.

38. Control for Future Surveys

Tidal bench marks established by the tide observation party.

39. Junctions

Refer to Form 76-36B (page 2 of this report).

40. Horizontal Accuracy

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

41 thru 45. Inapplicable.

46. Comparison with Existing Maps

USGS Quad. Wilson, Fla., 1:24,000 scale, Edition of 1952. USGS Quad. Orsino, 1:24,000 scale, Edition of 1949.

47. Comparison with Nautical Charts

Small craft Chart 843, 1:40,000 scale, 7th Edition, dated August 23, 1969. Nautical Chart 1245, 1:80,000 scale, dated August 30, 1969.

Items to be Applied to Nautical Charts Immediately: None

Items to be Carried Forward: None

Submitted by,

M. C. Webber (RS)

Martha C. Webber
Cartographic Tech.

Approved and forwarded:

K. N. Maki (RS)

K.N. Maki
Chief, Compilation Section

Field Edit Report, Map TP-00110, Job PH-6716

51. METHODS

Shoreline of Banana Creek from west limit to "Humpback Bridge" was verified from a boat. There is a levee along both shores of the creek. On the creek side of the levee there is a fringe of mangrove, or grass in water, which could be shown with an occasional label, if deemed advisable.

Shoreline inspection of Banana Creek north and east of Humpback Bridge was limited to places where it could be reached by truck due to boats being prohibited.

Shoreline of Max Hoeck Creek in the northeast part of the map was viewed from the levee along its shore. A similar situation was found there as discussed in the first paragraph.

All roads were ridden. Three have names recommended for charting. They are shown on the Field Edit Sheet.

Most of the levees have roads or trails on them. None of them are first class roads, all being of the double dash line type, where they are lebelled on the photographs.

There are no nonfloating aids to navigation.

Two landmarks are recommended. Form 567 is submitted.

Thirty geodetic bench marks were searched for and Form 685A is submitted for each. Nineteen were recovered. Fourteen were identified on the photographs.

Field edit notes are shown on the Field Edit Sheet or Discrepancy Print.

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

52. ADEQUACY OF COMPILATION

After application of field edit information, compilation will be adequate.

53. MAP ACCURACY

No tests were required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

56. GEOGRAPHIC NAMES

The map is within the Kennedy Space Center. Names were verified with NASA Master Plans.

New names recommended are:

(1) BEACH ROAD. This formerly was State Highway 402. There are no state highway numbers used within the Space Center.

(2) KENNEDY PARKWAY NORTH. Formerly State Highway A1A.

(3) HAPPY CREEK ROAD. This is not really a new name as it has been in use for many years. However it is not shown on the Preliminary Name Sheets.

These three names are in use by NASA and are recommended.

The name HUMPBACK BRIDGE at approximate latitude 28° 35.4, longitude 80° 39.7 should be removed. The bridge no longer exists, the crossing being filled with only a culvert in evidence. NASA does not use the name.

Investigation of the MAX HOECK Creek names in the southeast end of Mosquito Lagoon in the northeast part of the map was requested on the Discrepancy Print. These names are still recognized by NASA and a check with local commercial fishermen reveals that they are still well known. It is recommended that they be continued.

Submitted 6/9/70

William H. Shearouse

William H. Shearouse
Chief, Photo Party 60

Review Report TP-00110
Coastal Zone Map
August 1973

A detailed review of TP-00110 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 in 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 Charts:

Wilson and Orsino, Fla., 1949, photorevised 1970
Nautical Chart 843-SC, 10th edition, August 12, 1972
Nautical Chart 1245, 8th edition, September 11, 1971

There were no significant changes noted.

The color photography dated October 1967 was used for bridging and the photomosaic. This photography was supplemented by ~~additional~~ black and white photography dated August 1970. (Refer to photogrammetric plot report.) ~~The~~ 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 "Index to adjoining sheets" shows Merritt Island on TP-00109 and TP-00110. According to the Staff Geographer, Merritt Island is south of Banana Creek.

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.

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-00110

48. Geographic Name List

Atlantic Ocean
Banana Creek
Banana Creek Fish Camp
Beach Road
Big Island
Billy Joe Point
Broadaxe Ridge
Cedar Hammock
Cedar Hammock Creek
Cochran Cove
Draineout Creek
East Max Hoeck Creek
Futch Cove
Happy Creek
Happy Creek Road
Happy Hammock
Heath
Hubs Landing
Jones Creek
Kennedy Parkway North
Max Hoeck Back Creek
Max Hoeck Creek
Merritt Island
Moore Creek
Palma Crystal
Picnic Island
Ross Creek
Ross Cutoff
Saturn Barge Channel
Skunk Island
West Creek
Workman Pond
VAB Turning Basin

Merritt Island is south of Banana Creek.
B

EPARED BY
Frank W. Pickett
CARTOGRAPHIC TECHNICIAN

APPROVED BY
A. J. Wright
By F. W. P.
CHIEF GEOGRAPHER

NOAA FORM 76-40
7-71
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 T

(See reverse for acceptable pos

☒ 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-00110

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	CHART AFFECTED
POLE	Antenna pole ht=66 (76)	28 39	48.7 1498.0	80 38	20.5 557.0			P-1 69L3766R 5/20/70	1245
TOWER	Skelton steel, orange and white weather tower ht=507 (512)	28 37	31.1 956.0	80 39	26.4 716.0			P-1 69L3766R 5/20/70	1245

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RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	TITLE
1. Objects inspected from seaward	William H. Shearouse	☐ FIELD INSPECTOR ☑ FIELD EDITOR
2. Positions determined and/or verified		FIELD INSPECTOR
		FIELD EDITOR
	J.C. Richter	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

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.'

TP-00110
Data Forwarded to the Federal Records Center

1 Field Edit Sheet

1 Discrepancy Print

1 Form 567

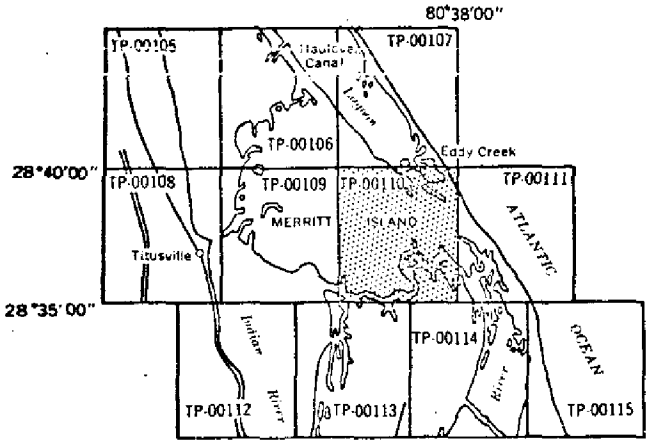
1 Form 76-40
P
Photographs:

67S(C)5863, 5864, and 5844
69L3570R
69L3766R and 3767R
Q 69L3788R

SUPPLEMENTAL CONTROL DATA FOR COASTAL ZONE MAP

TP-00110

INDEX TO ADJOINING SHEETS



Florida
Brevard County
Max Hoeck Creek to Banana Creek
April 1973

3/12/73

Florida I

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

TIDAL BENCH MARKS

VAB Turning Basin, Merritt Island
Lat. 28°35'.1; Long. 80°38'.6

BENCH MARK N 193 (1964) is a standard disk, stamped "N 193 1964," cemented in a drill hole in a concrete head wall that encloses a docking area, 260 feet east of the center of a road and 2 feet north of a metal witness post. Elevation: 8.47 feet above local mean water level.

BENCH MARK P 193 (1964) is a standard disk, stamped "P 193 1964," cemented in a drill hole in a concrete wall, 61 feet north of the east end of a concrete head wall that encloses a docking area. The mark is 2 feet south-southwest of a metal witness post and 2 feet south of the north end of the wall. Elevation: 8.53 feet above mean water level.

BENCH MARK L 215 (1965) is a standard disk, stamped, "L 215 1965," cemented in a drill hole in a concrete wall flush with the surface. It is located on a concrete wall at the dock that supports the Vertical Assembly Building (VAB) and 9 feet northeast of a lightpost. Elevation: 8.56 feet above mean water level.

BENCH MARK 1 (1972) is a standard disk, stamped "No. 1 1972," set flush in a concrete bulkhead that encloses a docking area, 175 feet northeast of bench mark N 193 and 145 feet southwest of bench mark JLR 500. Elevation: 8.57 feet above mean water level.

BENCH MARK JLR 500 (1964) is a standard disk, stamped "JLR 500 1964," set flush in a concrete bulkhead that encloses docking area, 145 feet northeast of bench mark no. 1 and 280 feet south of bench mark L 215. Elevation: 8.54 feet above mean water level.

BENCH MARK JLR 547 (1965) is a standard disk, stamped "JLR 547 1965," set flush in a concrete bulkhead that encloses a docking area, 180 feet north of bench mark L 215. Elevation: 8.50 feet above mean water level.

Mean water level at the VAB Turning Basin, Merritt Island, is based on 13 months of record, May - August 1966, April, May, October - December 1967, June - August, December 1968 reduced to mean values. The periodic tide is small and is masked by nontidal effects.

4/4/73

Florida I

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

TIDAL BENCH MARKS

VAB, Banana Creek, Merritt Island
Lat. 28°35'.4; Long. 80°39'.5

BENCH MARK W 209 (1963) is a standard disk, stamped "W 209 1963," set in a round concrete post. The mark is 124 feet west of the western edge of State Highway 3 (Kennedy Parkway), 105 feet south of the southern edge of a blacktop drive, 37 feet northwest of cable support pole No. E45A, and 2 feet north of a metal witness post. Elevation: 3.68 feet above mean water level.

BENCH MARK M 215 (1965) is a standard disk, stamped "M 215 1965," cemented in a drill hole in a culvert flush with the surface. It is 4.5 miles north of junction of NASA Causeway and Kennedy Parkway. The bench mark is located on the south end of a concrete railroad culvert, 8 feet west of the west rail of a railroad track and two feet north of the south end of the culvert. Elevation: 10.10 feet above mean water level.

BENCH MARK P 215 (1965) is a standard disk, stamped "P 215 1965," cemented in a drill hole in the north end of a concrete culvert flush with the surface. It is 4.2 miles north of the junction of NASA Causeway and Kennedy Parkway. It is 31 feet west of the west edge of the highway and 12 inches south of a metal witness post. Elevation: 3.05 feet above mean water level.

BENCH MARK 1 (1972) is a standard disk, stamped "NO. 1 1972," set flush in the west end of a concrete culvert headwall located on the south side of the drive, 47.2 feet west of the west edge of SR3 and 25 feet south of the centerline of the drive. Elevation: 3.41 feet above mean water level.

BENCH MARK 2 (1972) is a standard disk, stamped "NO. 2 1972," set flush in the west end of a concrete culvert headwall located on the north side of the drive, 46.5 feet west of the west edge of SR3 and 25 feet north of the centerline of the drive. Elevation: 2.93 feet above mean water level.

(OVER)

BENCH MARK 3 (1972) is a standard disk, stamped "NO. 3 1972," set flush in the north end of an 8-foot concrete headwall located 300 feet north of the drive, 31.5 feet west of the west edge of SR3 and 0.5 feet south of the north end of the concrete headwall. Elevation: 4.69 feet above mean water level.

Mean water level at VAB Banana Creek, Merritt Island, is based on 22 months of record, March 1966 through January 1969, reduced to mean values. The periodic tide is small and is masked by nontidal effects.

FLORIDA - NOAA Coastal Boundary Mapping Program

Vertical Control - Geodetic Map TP - 00110

Geodetic Bench Mark	Elevations (feet) SLD 1929	Condensed Description
F 207	8.747	C&GS disk stamped F 207 1963; 54 ft. NE centerline road, 3.5 ft. NE witness post, in concrete post projecting 4 inches.
X 131	3.432	C&GS disk stamped X 131 1953; 34 ft. NE centerline road, 2 ft. N witness post, in concrete post projecting 3 inches.
Y 209	8.842	C&GS disk stamped Y 209 1963; 226 ft. SW S-bound lane, 56 ft. SW small bldg., 39 ft. SE leg of weather tower.
336 (USE)	10.466	USE disk stamped 336 JLR 1962; 15 ft. S centerline road, 1 ft. S witness post, in concrete post flush with ground.
335 (USE)	6.378	USE disk stamped 335 JLR 1962; 15 ft. S centerline road, 19 ft. SE of culvert, in concrete post projecting 1 inch.
333 (USE)	9.219	USE disk stamped 333 JLR 1962; 19 ft. E centerline road, 39 ft. S centerline trail, in concrete post flush with ground.
F 210	9.573	C&GS disk stamped F 210 1963; 10 ft. NE centerline sand road, 4 ft. NE witness post, in concrete post flush with ground.
V 193	6.601	C&GS disk stamped V 193 1964; 6 ft. S of S rail, in concrete post projecting 10 inches.
W 193	6.250	C&GS disk stamped W 193 1964; 6 ft. S of S rail, 3 ft. N witness post, in concrete post projecting 4 inches.
Y 193	6.129	C&GS disk stamped Y 193 1964; 6 ft. S of S rail, 2 ft. N witness post, in concrete post projecting 8 inches.
Q 215	7.241	C&GS disk stamped Q 215 1965; 43 ft. NE centerline road, 49 ft. S trail to beach.

FLORIDA – NOAA Coastal Boundary Mapping Program

Vertical Control – Geodetic Map TP – 00110

Geodetic Bench Mark	Elevations (feet) SLD 1929	Condensed Description
N 193	8.822	(*)
P 193	8.878	(*)
L 215	8.907	(*)
P 215	3.323	(*)
W 209	3.957	(*)