

TP-00487

TP-00487

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-7201 Map No. TP-00487

Classification No. Final Edition No. 1

LOCALITY

State Florida

General Locality Monroe County

Locality Saddlehill Key

19 TO 19

REGISTRY IN ARCHIVES

DATE

| | | | |
|--|--|---|-------------|
| NOAA FORM 76-36A (3-72) | | U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. | |
| DESCRIPTIVE REPORT - DATA RECORD | | TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | |
| PHOTOGRAMMETRIC OFFICE Rockville, Maryland | | SURVEY TP. <u>00487</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>7201</u> | |
| OFFICER-IN-CHARGE Cdr. Walter S. Simmons | | LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> 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 December 9, 1975 Supplement 1, November 4, 1974 Supplement 111, October 24, 1974 | | Field Instruction - 1/4/74 Field Instruction (Amendment) 11/13/74 Field Edit (PH-7000) General Instructions for Florida Coastal Zone Mapping) 1973. | |
| II. DATUMS | | | |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN | | OTHER (Specify) | |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL | | OTHER (Specify) <i>Mean Water Level</i> | |
| 3. MAP PROJECTION Transverse Mercator | | 4. GRID(S) STATE <u>Florida</u> ZONE <u>East</u> | |
| 5. SCALE 1:10,000 | | STATE _____ ZONE _____ | |
| III. HISTORY OF OFFICE OPERATIONS | | | |
| OPERATIONS | | NAME | DATE |
| 1. AEROTRIANGULATION BY METHOD: LANDMARKS AND AIDS BY | | R.B. Kelly | Oct 1975 |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: CHECKED BY | | J. Taylor | Apr. 1976 |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY | | N/A | |
| INSTRUMENT: CONTOURS BY SCALE: CHECKED BY | | N/A | |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY | | J. Keating | Aug 1976 |
| METHOD: Graphic SCALE: 1:10,000 | | J. Battley, Jr. | May 1977 |
| HYDRO SUPPORT DATA BY CHECKED BY | | N/A N/A | |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY | | J. Battley | May 1977 |
| 6. APPLICATION OF FIELD EDIT DATA BY | | A. Tolzman | June 1977 |
| CHECKED BY | | C. Lewis | Aug 1977 |
| 7. COMPILATION SECTION REVIEW BY | | J. Dempsey | Sept 1977 |
| 8. FINAL REVIEW BY | | D. Brant | Oct. 1980 |
| 9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY | | | |
| 10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY | | D. Brant | Oct. 1980 |
| 11. MAP REGISTERED - COASTAL SURVEY SECTION BY | | <i>W. S. Simmons</i> | APR 16 1981 |

COMPILATION SOURCES

TP-00487

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|--|----------|---|----------|--|--|
| CAMERA(S) Wild RC-10 "C" 3.5" Focal Length | | TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED B&W | | TIME REFERENCE | |
| TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | | | ZONE Eastern | <input checked="" type="checkbox"/> STANDARD |
| | | | | MERIDIAN 75th | <input type="checkbox"/> DAYLIGHT |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| 74-C-8402, 8404 | 3/16/74 | 1510 | 1:30,000 | The stage of tide is inapplicable for the color photography. | |
| 74-CR 2336, 2337 | 11/12/74 | 0950 | 1:30,000 | Refer to 76-36B(1) | |
| 74-CR 2643-2645 | 11/22/74 | 0930 | 1:30,000 | for tide information | |

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

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

The source of the MLW line is the tide-coordinated, black-and-white infrared photography listed under item 1.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

| SURVEY NUMBER | DATE(S) | SURVEY COPY USED | SURVEY NUMBER | DATE(S) | SURVEY COPY USED |
|---------------|---------|------------------|---------------|---------|------------------|
| | | | | | |

5. FINAL JUNCTIONS

| NORTH | EAST | SOUTH | WEST |
|----------|-----------|-----------|----------|
| TP-00482 | No survey | No survey | TP-00486 |

REMARKS

Final junctions will be made in the Coastal Mapping Section.

NOAA FORM 76-36B(1)
(7-75)

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

TIDE - COORDINATED PHOTOGRAPHY

TP - 00487

| LOCATION AND PHOTOGRAPHY | TIDE STATIONS <i>(In operation at time of photography)</i> | STAGE OF TIDE | MEAN RANGE |
|--------------------------|---|---------------|------------|
| SADDLEHILL KEY | | | |
| 74-C(R) 2336 & 2337 | Key West, White St. Pier | +0.08 MHW | 1.43 |
| 74-C(R) 2643-2645 | Key West, White St. Pier | +0.23 MLW | 1.43 |

REMARKS:

| | | | |
|---|---|--|---------------------|
| NOAA FORM 76-36C (3-72) | | U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY | |
| HISTORY OF FIELD OPERATIONS TP-00487 | | | |
| I. <input checked="" type="checkbox"/> FIELD INSPECTION OPERATION May 1974 <input checked="" type="checkbox"/> FIELD EDIT OPERATION June 1977 | | | |
| OPERATION | NAME | DATE | |
| 1. CHIEF OF FIELD PARTY | R.R. Wagner | | |
| 2. HORIZONTAL CONTROL | RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY | None | |
| 3. VERTICAL CONTROL | RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY | None | |
| 4. LANDMARKS AND AIDS TO NAVIGATION | RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY | P.B. Walboit 6/77 | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION | | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY | R.R. Wagner 6/77 | |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY | N/A | |
| II. SOURCE DATA | | | |
| 1. HORIZONTAL CONTROL IDENTIFIED | | 2. VERTICAL CONTROL IDENTIFIED | |
| None | | | |
| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
| | Refer to Field Report | | |
| 3. PHOTO NUMBERS (Clarification of details) | | | |
| 74 C 8404 | | | |
| 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED | | | |
| Two nonfloating aids were located during Field Edit | | | |
| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
| | | | |
| 5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE | | 6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE | |
| 7. SUPPLEMENTAL MAPS AND PLANS | | | |
| None | | | |
| 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) | | | |
| The field report is bound with this Descriptive Report | | | |
| 3 pages of T-2 cuts to aids | | | |

RECORD OF SURVEY USE

TP-00487

I. MANUSCRIPT COPIES

| COMPILATION STAGES | | | DATE MANUSCRIPT FORWARDED | |
|--------------------|---------|--|---------------------------|---------------|
| DATA COMPILED | DATE | REMARKS | MARINE CHARTS | HYDRO SUPPORT |
| Office-Class III | 8/31/76 | Special Request from Requirements Branch | 11/8/76 | |
| | | | | |
| | | | | |
| | | | | |

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

| NUMBER | CHART LETTER NUMBER ASSIGNED | DATE FORWARDED | REMARKS |
|--------|---------------------------------|-------------------|---|
| | | 3/1/77 | Nine (9) digitized forms submitted as final report |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

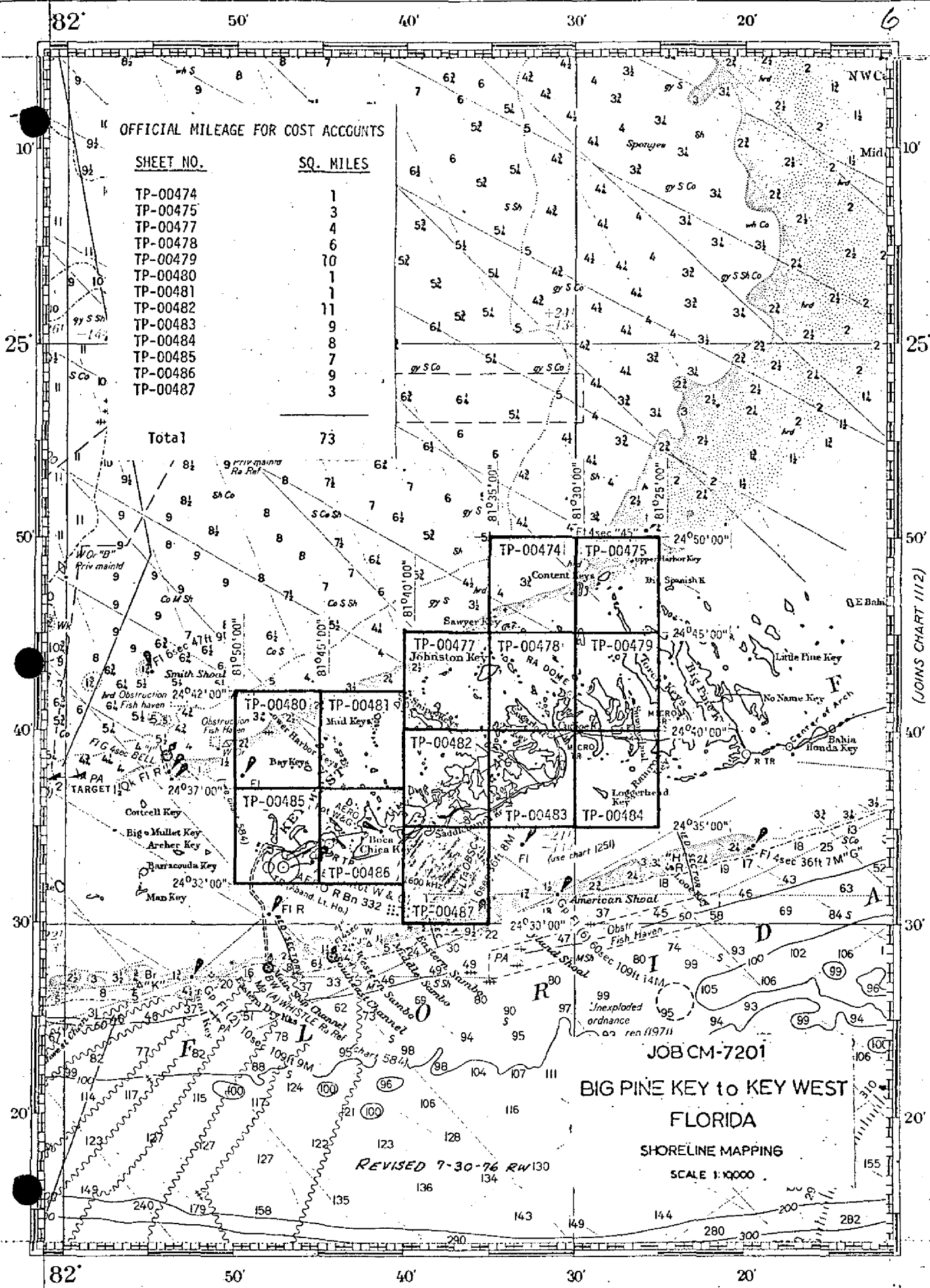
2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 3/1/77
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

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. *Lost
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

| | | | |
|----------------|---------------------------------|--------------------------|---|
| SECOND EDITION | SURVEY NUMBER TP - _____ (2) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |
| THIRD EDITION | SURVEY NUMBER TP - _____ (3) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |
| FOURTH EDITION | SURVEY NUMBER TP - _____ (4) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |



Summary
for
TP-00474 and TP-00475
TP-00477 thru TP-00487

Coastal Zone Map TP-00487 is one of thirteen (13) 1:10,000 scale maps in project CM-7201. All maps in this project are shoreline type except TP-00485 which is a published map. The interior of the published map is shown with an orthophotomosaic, printed in three colors. The interior of the shoreline type maps is limited to a narrow zone of planimetry back from the shoreline.

The layout for Job PH-7201 (revised since the aerotriangulation operation) will show the location of the individual maps. A copy of the layout is included in this Descriptive Report.

These maps are intended for planning purposes for the state of Florida and for the construction and maintenance of NOS nautical charts.

The area (Job PH-7201) is covered by photography taken in 1974 on color and infrared film. The black-and-white infrared film was tide-coordinated at MHW, MLW or MWL datums.

The field operations consisted of the following:

1. Premarking of horizontal control and photographing the area.
2. Establishing tidal datums
3. Field Edit

Horizontal control was extended by analytical aerotriangulation method using the stereocomparator.

The interior details shown on the shoreline type maps were stereoscopically compiled from the rectified prints of the color or B&W infrared photography.

The tidal datum lines (MHW, MLW or MWL) and offshore details were compiled from tide-coordinated, black-and-white infrared photography by graphic methods. This photography was controlled by points determined by aerotriangulation and map detail compiled from the rectified photography. The rectified color or B&W infrared photography was also used as an aid to interpret cultural and apparent shoreline. All line work is scribed, approved symbols are shown in the marginal data of this map.

A registration copy of each type map is prepared. It shows additional offshore details such as shoal and shallow lines, useful to the Marine Chart Division, But not required on the Coastal Zone Maps. This copy of the map is labeled "Registration Copy" in the title block and will be registered in the NOS Archives.

The following items for the shoreline type maps will be registered in the NOS Archives:

1. A stable base copy of the Registration Copy.
2. The Descriptive Report.
3. One (1) negative with Reproduction Division and one (1) with the Photo Map and Imagery Information Section.

The following items for the published map will be registered in the NOS Archives:

1. A plastic copy of the published map.
2. A stable base positive copy of the Registration Copy.
3. A continuous tone negative of the orthophotomosaic.
4. The Descriptive Report.

All negatives are filed in the Reproduction Division.

All field records such as field edit sheets, discrepancy prints, field edit data, and control forms are filed in the National Archives.



July 7, 1980

OA/C233:JRH

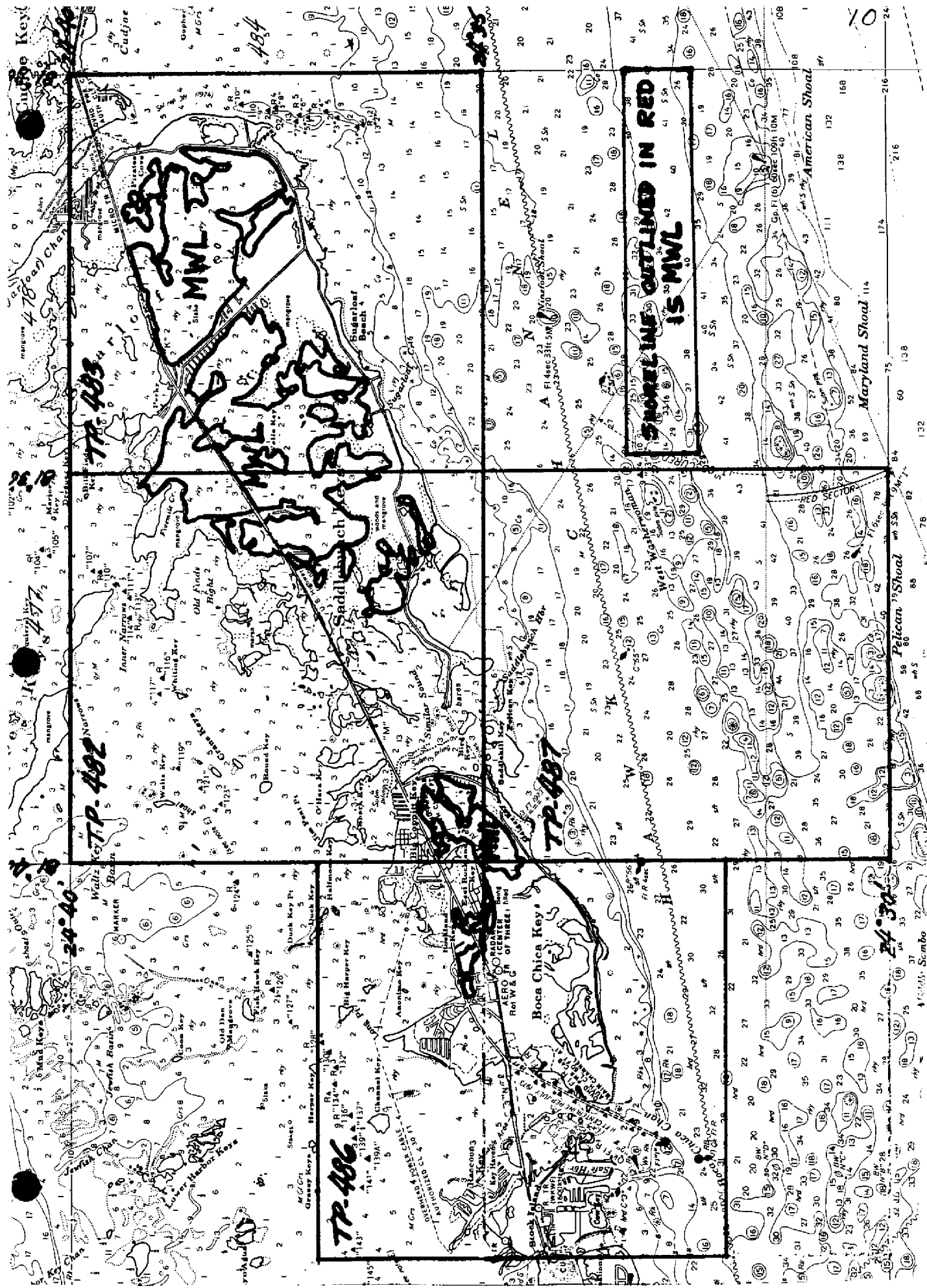
TO: OA/C34 - Walter S. Simmons *WSS*
FROM: OA/C233 - *JRH* James R. Hubbard
SUBJECT: Mean Water Level Datum, Florida Keys

The tidal characteristics in the majority of the area outlined on the attached sketch, which includes portions of TP 482, TP 483, TP 486, TP 487 have been determined to be mean water level. However, tide range was observed at the following locations:

| <u>Station Number</u> | <u>Station Location</u> | <u>Lat.</u> | <u>Long.</u> | <u>Mean Range</u> |
|---------------------------|-------------------------------|-------------|--------------|-----------------------|
| 872 4353 | Perky Lake, Sugarloaf Key, FL | 24°39.3' | 81°32.4' | 0.4 ft. |
| 872 4405 | Saddlebunch No.3 Channel, FL | 24°37.4' | 81°36.2' | 0.6 ft. |

Attachment





SHOAL LINE OUTLINED IN RED
IS MWL

TP-486

TP-487

TP-488

TP-489

10

24 30

484

477

478

24 40

24 40

24 40



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY

Date: 3 May 1974

From: Chief, Photo Party 65

Subj: Field Operations Report - Job CM-7201 - Coastal Boundary Mapping,
Big Pine Key to Key West, Fla.

To : Chief, Coastal Surveys Section

All field support for Job CM-7201 was performed in accordance with instructions dated 4 Jan 1974. Sections of the project instructions applicable to field support furnished by Photo Parties 60 and 65 are discussed below:

Section 5 - Horizontal Control

.01 All control stations shown on the job diagram were recovered except for PIGEON KEY 2. Station MOSER 1935 was used in place of PIGEON KEY 2. Recovery notes for all stations are enclosed.

.03 No new control stations were necessary and none were established.

Section 6 - Premarking of Control

Paragraphs .01 thru .05 were complied with except as noted below:

The station KEY WEST NAVAL MONUMENT was not paneled because it is photoidentifiable without the panel.

Section 7 - Control Station Identification Card

Paragraphs .01 thru .04 were complied with fully. Control station identification cards are enclosed.

Sections 8, 9, 10, and 11 - Tide Stations, Tolerance, Dates of Favorable Tides, and Tide Observations and Records

Since the tide coordinated photography was cancelled due to insufficient tidal data, these sections were not applicable.

Section 13 - Foreshore Profiles

This section also not applicable due to cancellation of tide coordinated photography.

Section 14 - Time

No staff observations were taken because no tide coordinated photography was flown.

Section 15 - Communications

This section was complied with fully.

Section 17 - Report

This report and all field records are being forwarded.

Max M. Ethridge

Lt. Max M. Ethridge, NOAA
Chief, Photo Party 65

PHOTOGRAMMETRIC PLOT REPORT
Boot Key to Key West, Florida
Job PH-7201
October 1975

21. Area Covered

This report covers twenty-five 1:10,000 sheets, TP-00474 thru TP-00489, TP-00460 thru TP-00462, TP-00466, TP-00467, TP-00468, TP-00472, and TP-00473, from Boot Key to Key West, Florida.

22. Method

Three strips of 1:60,000 photography were bridged by analytic aerotriangulation methods and adjusted to ground on the Florida State Plane Coordinate System, East Zone. The three strips were also adjusted as a block. The attached four sketches shows the placement of horizontal control, closures to control used in the block adjustment, mean high and mean low water photography, and photography to be used for compilation. Bridge points were drilled on the 1:30,000 scale color photography and measured on 1:60,000 color bridging photography to control the setting of models on the B-8 for compilation. Bridge points were also pricked on the infrared photography and measured on the 1:60,000 color bridging photography for ratioing photographs to be used in the compilation of the mean high and mean low water line.

23. Adequacy of Control

The horizontal control provided was adequate except for DUCK 2, 1937 Substitute Station and DUCK 2, 1937 ARRAY (panel). These two stations held the same in the block adjustments as they did in the strip adjustment with 15 feet error in the Y direction. There was no apparent reason for the error. All other control held within the accuracy required by National Standards of Maps. Accuracy at 1:10,000.

24. Supplemental Data

Local shoreline was used to provide elevations for vertical adjustments of the bridges.

25. Photography

RC-8 color film positives were adequate as to coverage, overlap, and definition.

Submitted by,

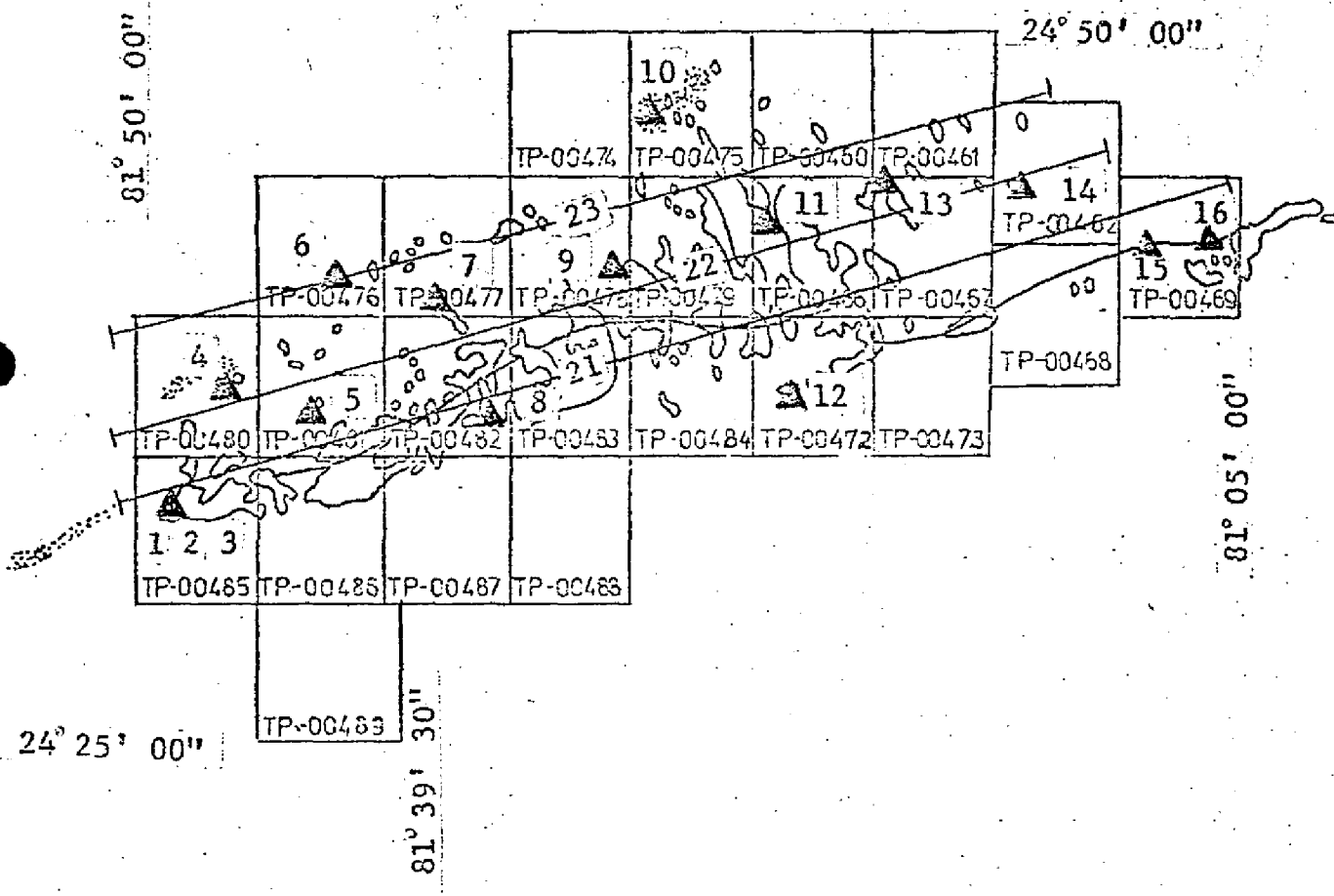
Robert B. Kelly
Robert B. Kelly

Approved and Forwarded:

John D. Perrow Jr.

John D. Perrow, Jr.
Chief, Aerotriangulation Section

JOB CM-7201
BOOT KEY TO KEY WEST
FLORIDA
SHORELINE MAPPING
BRIDGING PHOTOGRAPHY



INDEX TO STRIPS OF PHOTOGRAPHS

| | | | | |
|----|--------|-----------|------------|---------|
| 21 | 74C(c) | 8113-8141 | Renumbered | 101-114 |
| 22 | " | 8082-8108 | " | 201-214 |
| 23 | " | 8147-8171 | " | 301-313 |

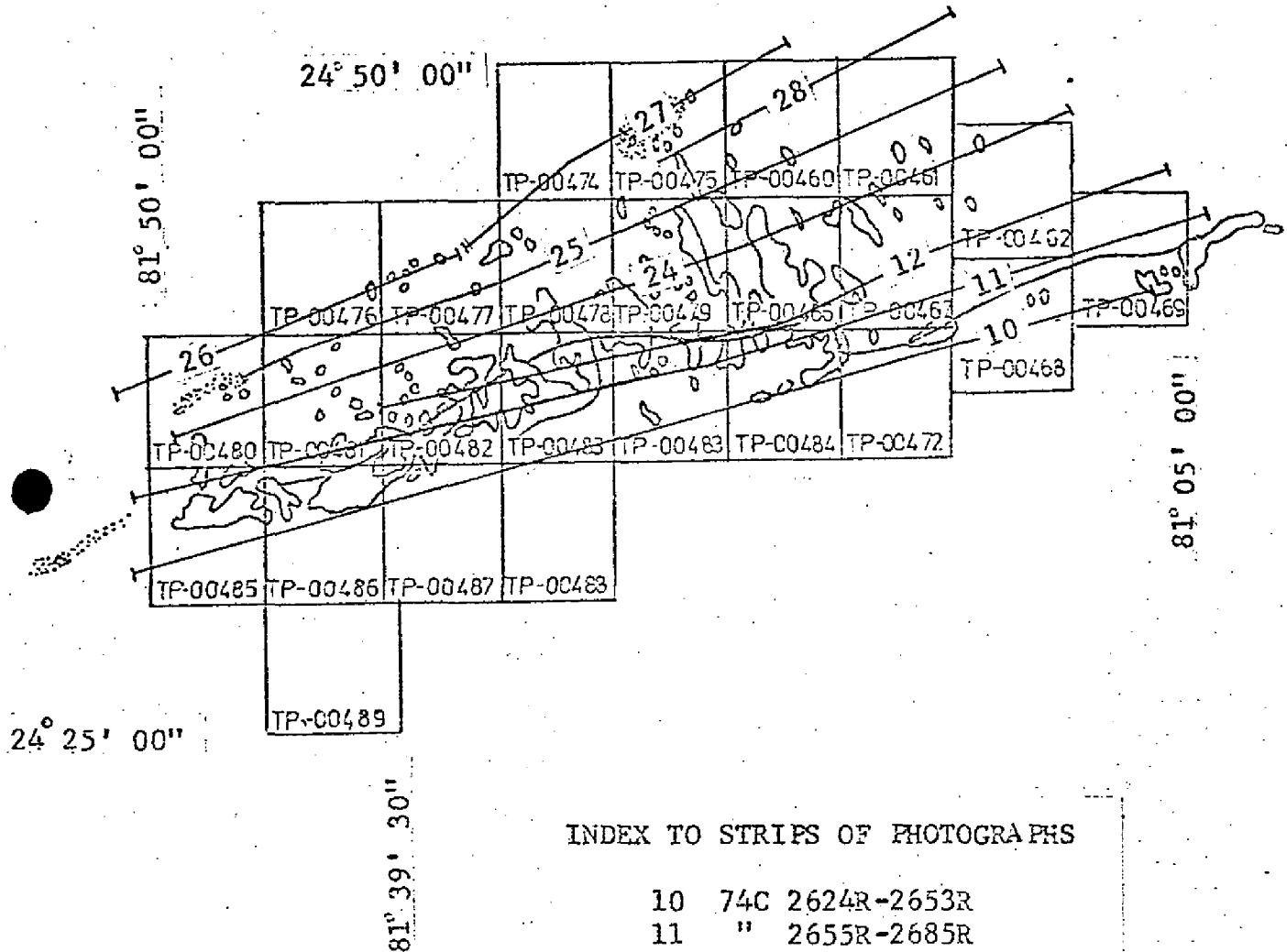
CLOSURES TO CONTROL (BLOCK ADJUSTMENT)

| | | |
|----|-----------------------------------|-----------------|
| 1 | Key West Naval Monument | (3.314,-1.519) |
| 2 | Key West Naval Station Tank, 1956 | (0.003, 0.000) |
| 3 | Key West Lighthouse, 1849 | (-2.592,-0.574) |
| 4 | Bay Key, 1934 Sub. Sta. 1 | (1.309,-0.804) |
| 5 | Channel Key 2, 1934 | (-1.066, 0.413) |
| 6 | Mud Key 2, 1934 | (-1.631,-0.194) |
| 7 | Pek, 1934 | (-0.056, 0.039) |
| 8 | Bunch, 1934 | (-1.207, 1.886) |
| 9 | Cud, 1934 | (-0.125,-0.134) |
| 10 | Content 2, 1935 | (0.046, 0.286) |
| 11 | Pinkey, 1935 | (0.180, 0.617) |
| 12 | Newfound, 1920 | (0.020,-0.384) |
| 13 | Span, 1935 | (0.046,-0.016) |
| 14 | Trade, 1935 Sub. Sta. 1 | (-0.043,-0.001) |
| 15 | Moser, 1935 Sub. Sta. 1 | (-0.210, 0.256) |
| 16 | Knight 2, 1936 | (-0.499,-0.718) |

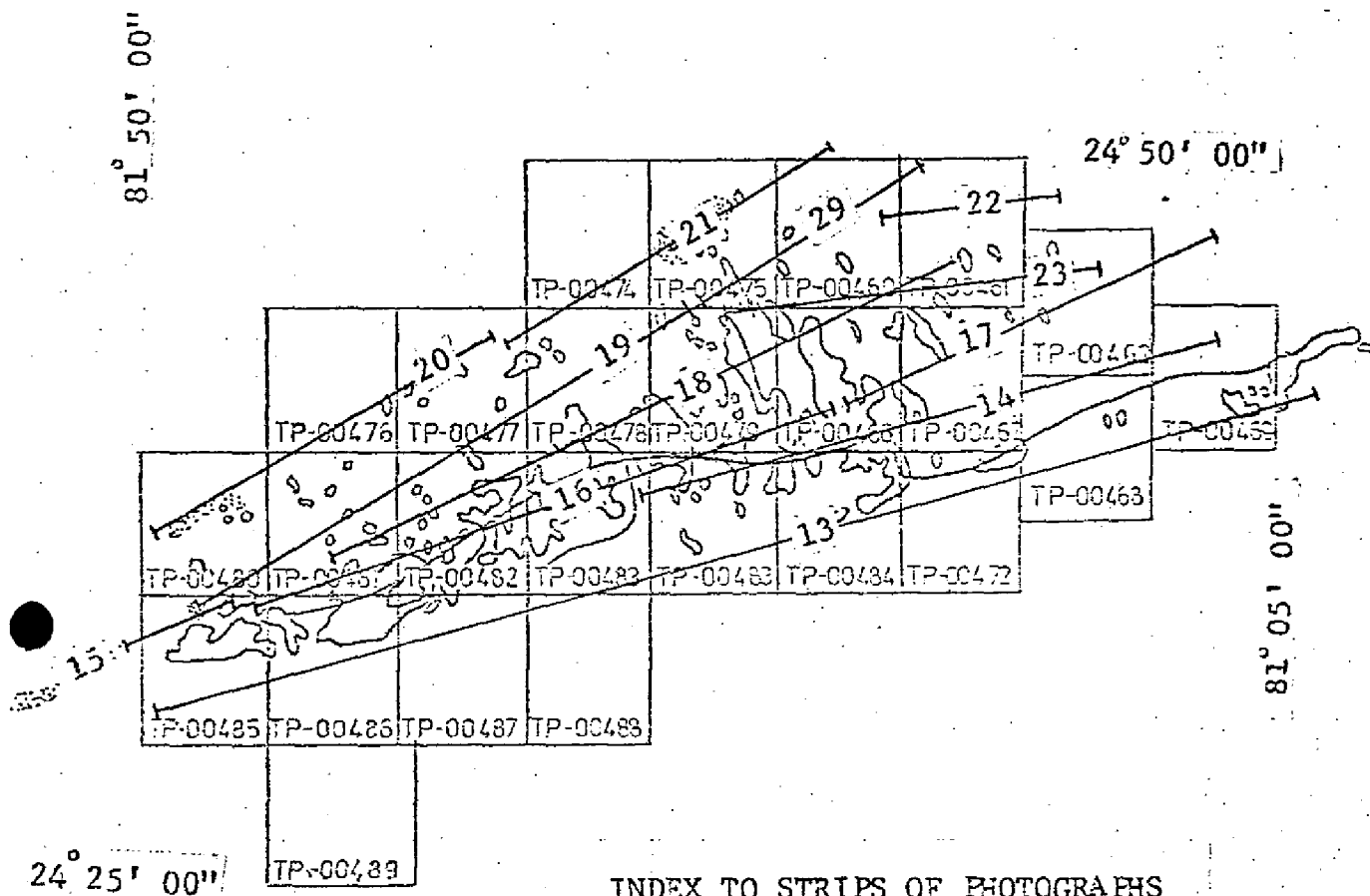


| | | |
|---|--------|-----------|
| 1 | 74C(c) | 8362-8418 |
| 2 | " | 8419-8475 |
| 4 | " | 8274-8328 |
| 5 | " | 8228-8232 |
| 6 | " | 7408-7446 |
| 7 | " | 7518-7544 |
| 8 | " | 7434-7491 |

JOB CM-7201
 BOOT KEY TO KEY WEST
 FLORIDA
 SHORELINE MAPPING
 MEAN LOW WATER PHOTOGRAPHY



JOB CM-7201
 BOOT KEY TO KEY WEST
 FLORIDA
 SHORELINE MAPPING
 MEAN HIGH WATER PHOTOGRAPHY



INDEX TO STRIPS OF PHOTOGRAPHS

| | | |
|----|-----|-------------|
| 13 | 74C | 2329R-2358R |
| 14 | " | 2187R-2202R |
| 15 | " | 2387R-2390R |
| 16 | " | 2450R-2465R |
| 17 | " | 2475R-2485R |
| 18 | " | 2290R-2207R |
| 19 | " | 2214R-2228R |
| 20 | " | 2510R-2519R |
| 21 | " | 2550R-2559R |
| 22 | " | 2246R-2250R |
| 23 | " | 2313R-2322R |
| 29 | " | 2259R-2265R |

FLORIDA - NOAA Coastal Boundary Mapping Program

Vertical Control - Geodetic

Map TP-00487

| Geodetic Bench Mark | Elevations (feet) | Condensed Description |
|------------------------|-------------------|--|
| | SLD 1929 | |
| Hill 2, 1935 | | GP Page 435, PC Page 112 Fla. Book 426, Page 12, 36 |

20

COMPILATION REPORT
TP-00487

August 1976

31. Delineation

All features were delineated by graphic compilation. The 1974 rectified prints of the color photography, controlled by map points determined by aerotriangulation, were used for compiling shoal and shallow areas, interior features, cultural shoreline, and limits of vegetation. The tidal datum lines were compiled from office interpretation of the ratioed tide coordinated 1974 black-and-white infrared photography which was controlled by common detail compiled from the rectified prints of the color photography and points located during bridging. The compilation limits to the south were restricted to photographic coverage that could be bridged and field edited (approx 24°33'45").

32. Horizontal Control

Horizontal control was adequate. (See photogrammetric Plot Report.)

33. Supplemental Data - None

34. Contours and Drainage

Contours are not applicable. Ponds were compiled from rectified black-and-white prints of the color infrared photography.

35. Shoreline and Alongshore Detail

Office interpretation of the photography was adequate for the delineation of the shoreline and alongshore detail.

36. Offshore Details

The southern portion of the manuscript was not covered by the photography, therefore, Pelican Shoal was not covered.

37. Landmarks and Aids to Navigation

No landmarks or aids to navigation were located during bridging or compilation. All landmarks and aids to navigation will be located during field edit.

38. Control for Future Surveys: None

39. Junctions: Refer to Form 76-36B

40. Horizontal Accuracy

This map complies with the National Map Accuracy Standards and with the accuracy requirements for the Florida Coastal Mapping Program as outlined by the Project Instructions for PH-7000.

41. thru 45. Inapplicable.

46. Comparison with Existing Maps

Comparison was made with the following USGS quads:

Boca Chica Key, Florida, 1971, 1:24,000 scale
Saddlebunch Keys, Florida, 1972, 1:24,000 scale

Since these maps were compiled several finger canals have been dredged expanding the trailer park on Geiger Key.

No other significant differences were noted.

47. Comparison with Nautical Charts

Comparison was made with the following nautical chart:

11445 (854) 14th Ed., June 28, 1975, 1:40,000 scale

Items to be applied to Nautical Charts Immediately - None

Items to be Carried Forward - None

Submitted by:

J. W. Keating, Jr.
J. W. Keating, Jr.

Approved and Forwarded:

Jeter P. Battley, Jr.

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

GEOGRAPHIC NAMES

Final Name Sheet

PH-7201 (Florida Keys)

TP-487

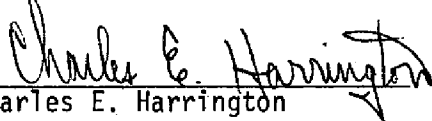
Geiger Key

Pelican Key

Saddlehill Key

Straits of Florida

Approved


Charles E. Harrington
Chief Geographer - C3x5

FIELD EDIT REPORT TP-00487, JOB CM-720151. METHODS

The shoreline and along shore features were inspected from a small boat while cruising just off shore. Notes regarding the shoreline and along shore features can be found on photograph 74C8404 and the discrepancy print.

One triangulation station was searched for, but not recovered.

There are no landmarks, vertical control stations or tide gages.

All known aids in the limits of compilation were located.

Field edit notes can be found on the photograph, field edit sheet and discrepancy print.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit.

53. MAP ACCURACY

No test required.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Not required.

Submitted 6/10/77


Robert R. Wagner
Chief, Photo Party 66

VJFV 6-15-77

Review Report

TP-00487

October 1980

61. General

Coastal Zone Map TP-00487 was inspected before field edit and reviewed as a Class I map. This review consisted of an examination of the map manuscript, the field edit and its application, the reproduction negative and the Descriptive Report.

This proof copy of this map was edited by Quality Control before making final copies for distribution to the state of Florida. This edit comprised a thorough inspection of map detail to verify the accuracy of reproduction with reference to the map manuscript and the quality of reproduction. In addition the proof copy was examined by the following section:

Coastal Mapping - Map Detail
Staff Geographer - Geographic Names
Coastal Surveys - Horizontal and Vertical Control

It was determined by the Tidal Datums and Information Branch that a portion of TP-00487 are in the mean water level datum. Erroneously, some of the mean water level shoreline on TP-00487 was not shown with the mean water level symbol. A letter dated July 7, 1980, and a sketch showing these areas is bound with this descriptive report.

62. Cartographic Comparison

Comparison was made with the following quadrangle maps:

Boca Chica Key, Fla., 1971, Scale 1:24,000

No significant changes were found.

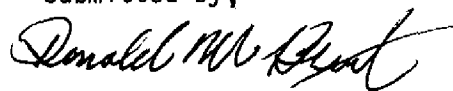
Comparison was made with chart 11445, 18th Edition dated Oct. 1979.

Rocks awash shown on chart 11445 were not found during Field Edit.

63. thru 65. Inapplicable66. Adequacy of Results and Future Surveys

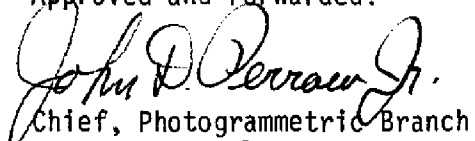
Coastal Zone Map TP-00487 complies with the instructions for NOS Cooperative Boundary Mapping, Job PH-7000 and the National Standards of Map Accuracy.

Submitted by,

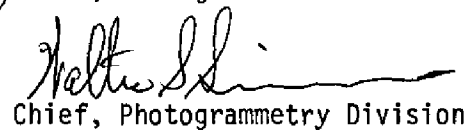


Donald M. Brant

Approved and Forwarded:



Chief, Photogrammetric Branch



Chief, Photogrammetry Division

PHOTOGRAMMETRIC BRANCH
COASTAL MAPPING DIVISION

NATIONAL OCEAN SURVEY NOAA
DEPARTMENT OF COMMERCE USA

GNP

| | | | | | |
|-------|----------|-------------------------------|------------|---------------------|-------------------------|
| * SVY | TP-00487 | * NONFLOATING AIDS FOR CHARTS | * RPT UNIT | CMD, ROCKVILLE, MD. | * PAGE 1 OF 1 |
| * JOB | PH-7201 | * TO BE CHARTED | * STATE | FLORIDA | * * * |
| * PRJ | 833205 | | * LOCALITY | SADDELEHILL KEY | * ORIGINATING ACTIVITY* |
| * DTM | NA 1927 | | * DATE | 07/05/77 | * * * COMPILATION |

THE FOLLOWING OBJECTS HAVE NOT BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS

| * * * | DESCRIPTION | * * * | POSITION | CMD * | METHOD AND DATE | * * * |
|-------------|--------------------------------|-------|-----------|--------|-----------------|------------|
| * CHARTING* | RECORD REASON FOR DELETION | * * * | LATITUDE | ALTEK* | OF LOCATION | * CHARTS * |
| * NAME * | PUT TRIANGULATION NAMES IN () | * * * | LONGITUDE | DGTZD* | OFFICE * | AFFECTED* |

HAWK CHANNEL

[illegible]

| |
|-----------------------|
| * * * |
| DYBN |
| HAWK CHAVNEL |
| * |
| P-L-3-6 |
| # |
| 372.3 |
| 24 |
| 33 |
| 12.10 |
| * |
| 06/10/77 |
| # |
| 430.9 |
| 81 |
| 37 |
| 15.31 |
| * |
| PELICAN KEY DAYBEACON |
| 55 |
| * |
| * |
| * |
| 11445 |
| * |
| * |

*
*
*
*
*
*

[illegible]

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

[illegible]

[illegible][illegible]

*
*
*
*
*
*

[illegible][illegible]

.....

| * * * | * TYPE OF ACTION | * NAMES OF RESPONSIBLE PERSONNEL | * ORIGINATOR |
|-------|------------------|----------------------------------|--------------|
|-------|------------------|----------------------------------|--------------|

.....*

[illegible]

AND/OR VERIFIED BY * AUGUST M. TOLZMAN # OFFICE COMPILER

* ACTIVITIES * JAMES H. TAYLOR * DATA PROCESSOR *

National Archives Data
for
TP-00487

1 Discrepancy Print

1 Field Edit Sheet

1 NOAA Form 76-40 (Nonfloating Aids and Landmarks for Charts)

1 NOAA Form 76-36C (History of Field Operations)

Pages of Cuts

Photography:

74C 8404