13103

13103

Form 504

U. S. DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. *Office No.* T-13103

LOCALITY

State Florida

General locality Florida Coast

Locality Melbourne

19 66-67

CHIEF OF PARTY

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

FORM C&GS-181a
(12-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T -13103

PROJECT NO. (II):

PH-6710

FIELD OFFICE (II):	CHIEF OF PARTY

PHOTOGRAMMETRIC OFFICE (III):	OFFICER-IN-CHARGE
Washington Science Center	V. Ralph Sobieralski

INSTRUCTIONS DATED (II) (III):

Office: April 6, 1967; April 27, 1967

METHOD OF COMPILATION (III):

Stereoscopic - B-8 stereoplotter

MANUSCRIPT SCALE (III):	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
1:20,000	20,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):

OGRAPHIC DATUM (III):	VERTICAL DATUM (III):
N.A. 1927	MEAN SEA LEVEL EXCEPT AS FOLLOWS: *Elevations shown as (25) refer to mean high water* *Elevations shown as (5) refer to sounding datum* *i.e., mean low water or mean lower low water*

REFERENCE STATION (III):

ANT 2, 1934

LAT.:	LONG.:	☐ ADJUSTED ☐ UNADJUSTED

PLANE COORDINATES (IV):		STATE	ZONE
= 1,354,555.64	X = 643,897.84	Florida	East

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

USCOMM-DC 16276A-P61

FORM C&GS-181b
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): (See remarks)	DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Office interpretation Nov. 1966 - Feb. 1967 and Field Edit 12-1-67.	
PROJECTION AND GRIDS RULED BY (IV): A. E. Roundtree	DATE 11-8-66
PROJECTION AND GRIDS CHECKED BY (IV): R. Glaser	DATE 11-9-66
CONTROL PLOTTED BY (III): R. A. Youngblood	DATE 7-26-67
CONTROL CHECKED BY (III): J. B. Phillips	DATE 7-26-67
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): R. Kelly	DATE May-Oct. 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III): R. A. Youngblood — PLANIMETRY	DATE 7-27-67
STEREOSCOPIC INSTRUMENT COMPILATION (III): R. A. Youngblood — CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. A. Youngblood	DATE 8-11-67
SCRIBING BY (III):	DATE
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): J. Battley	DATE Sept. 1968

REMARKS:

Field Edit by:

W. H. Shearouse - ~~Oct~~ Dec. 1967

USCOMM-DC 36393B-P66

FORM C&GS-181c
(3-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

6" focal length

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
66-L-8926R-8930R	11-27-66	10:07	1:40,000	2.1' above MLW
66-L-8791-8795 (color)	11-26-66	10:43	1:40,000	1.1' above MLW

X based

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Miami Harbor Entrance		2.5	3.0
SUBORDINATE STATION: Cape Canaveral		3.5	4.1
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV): J. P. BATTLEY — DATE: SEPT. 1968

PROOF EDIT BY (IV): — DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): — RECOVERED: 8 — IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II): — RECOVERED: — IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):

REMARKS:

Summary to Accompany Descriptive Report
T-13100 through T-13117, T-13141 and
T-13218

PH-6710
December 1969

This project is comprised of thirteen shoreline manuscripts compiled at 1:20,000 scale, (T-13100 through T-13112), four manuscripts compiled at 1:10,000 scale, (T-13113 through T-13115) and three 1:5,000 scale manuscripts, (T-13116 through T-13117). The area covered is the east coast of Florida from Cape Kennedy to just south of Jupiter Inlet. The maps were compiled as a base for hydrographic survey operations and to update marine charts of the area. Two manuscripts, (T-13218 and T-13141) were added to the project after hydro operations were begun and are discussed in this summary.

Field inspection was accomplished during Sept.-Oct. 1966 and was limited to the recovery and premarking of control.

The project area was flown in November 1966. Infrared and color photography was taken.

Stereoplanigraph bridging of the color photography was begun in April 1967 and continued through October 1967. To support hydrographic survey operations, the bridging data was supplied the Washington compilation section as each of nine strips were bridged. Strips #2 through #8 were bridged by stereoplanigraph methods. Strip #1 was bridged analytically. All bridging photography was 1:40,000 scale. Some difficulty was experienced in bridging the project area - (see the Plot Report for details).

The manuscripts were compiled as bridging was received from April 1967 through February 1968. Ratio photographs were prepared in the usual manner for photo-hydro support use. The photographs prepared were both infrared and color. The field ratio prints, cronaflex copies of the manuscripts and discrepancy ozalids were sent to the field, as completed, to expedite hydro activities. Two new manuscripts were added to the project after hydro operations were begun to develop

more of the Loxahatchee River which empties into Jupiter Inlet (T-13141, 1:10,000 scale), and T-13218, 1:5,000 scale to further develop the Ft. Pierce harbor area. This accounts for compilation activities extending to June 1968. In the area of the 1:10,000 scale manuscripts - 1967 1:30,000 scale color and infrared photography was available for compilation. In the area of the two 1:5,000 scale manuscripts (T-13116 and T-13117), 1:15,000 scale color photographs were available. T-13218 (1:5,000 scale) was compiled at 1:10,000 scale on the B-8 stereoplotter from 1:40,000 scale photography and then enlarged to 1:5,000 for a hydro support manuscript. This manuscript is thus considered somewhat substandard in accuracy. All compilation was achieved on the B-8 stereoplotter.

Field edit operations were begun in November 1967 and were completed in 1968. To resolve some landmark and aid problems, provide hydro support, and to further clarify differences in compiled features for Marine Charts, additional field work was accomplished in February 1969. Field edit operations required the location of most of the daybeacons throughout the project area and verification of compiled features.

The application of field edit corrections and/or additions was accomplished in the Washington compilation office as received from the field with some interruption for higher priority projects. Field edit application and final review was completed in November 1969. As field edit corrections were applied to each T-sheet and checked for completeness, a cronaflex copy was ordered for the Marine Chart Division. Hydro verification was being accomplished at the same time of final review and close liaison was maintained between sections.

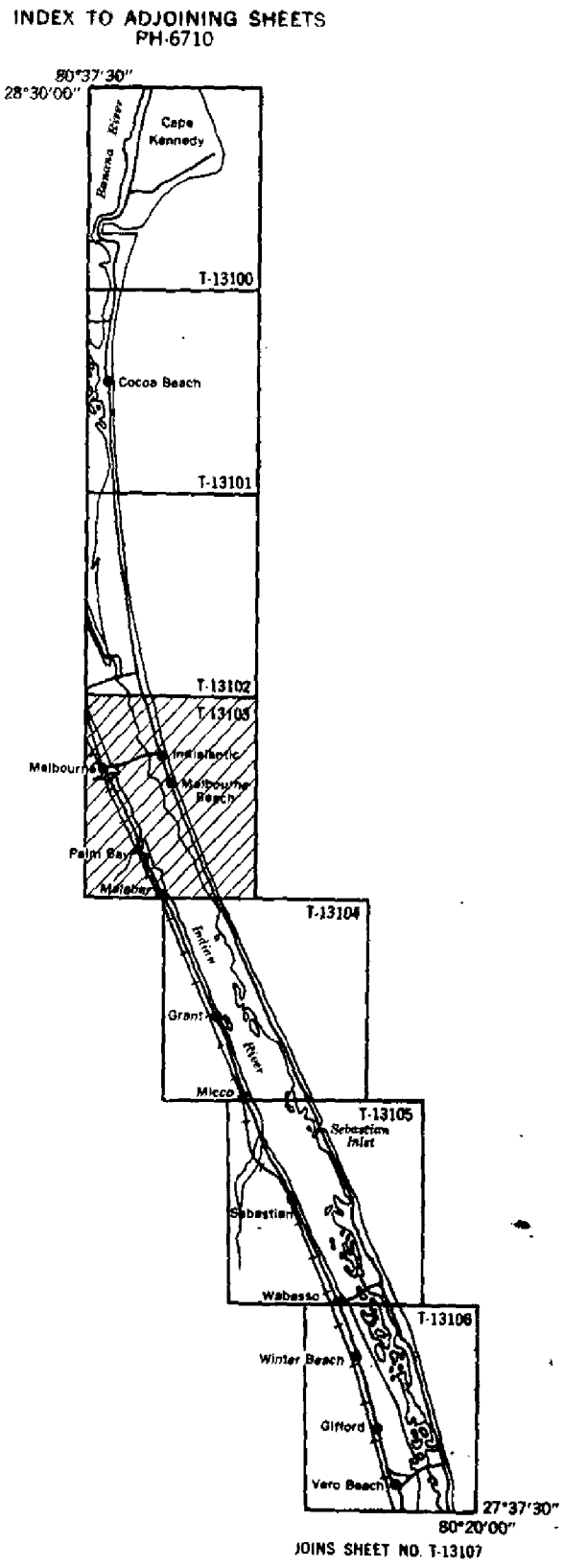
A Registration Manuscript Copy will be registered in the Bureau Archives under their respective T-numbers.

Submitted by,

Peter P. Battley Jr

J. P. Battley, Jr.

PROJECT DIAGRAM



PHOTOGRAMMETRIC PLOT REPORT
Job. PH-6710
Cape Kennedy to Jupiter Inlet, Florida

October 27, 1967

21. Area Covered

This report covers the bridging of the Florida east coast from Cape Kennedy to Jupiter Inlet, Included in this area are T-sheets T-13100 thru T-13112 at 1:20,000 scale, T-13113 thru T-13115 and T-13141 at 1:10,000 scale and T-13116, T-13117 and T-13218 at 1:5,000 scale.

22. Method

Eight strips were bridged by stereoplanigraph methods and one strip (Strip #1) by STK methods. All were adjusted by the IBM 1620 method. Strip #1 (66-L(C)-8716 thru 8731) was bridged holding six stations as control and three stations plus tie points as checks. Strip #1-C (66-L(C)-8708 thru 8716) was adjusted holding five control stations with two stations as checks. Strip #2 (66-L-8822 thru 8832) was adjusted on four stations. Strip #3 (66-L(C)-8696 thru 8702) was adjusted on four stations with tie points as checks. Strip #4 (66-L(C)-8738 thru 8748) was adjusted on four stations with tie points as checks. Strip #5 (66-L(C)-8768 thru 8799) was adjusted on five stations with two stations and tie points as checks. Strip #6 (66-L(C)-8782 thru 8797) was adjusted on five control stations with tie points as checks. Strip #7 (66-L(C)-8773 thru 8779) was adjusted on three stations. Strip #8 (66-L(C)-8804 thru 8821) was adjusted on three stations with tie points as checks.

All plates were drilled by the PUG method. Tie points between strips were averaged.

23. Adequacy of Control

Horizontal control complied with project instructions. Most of the control stations were premarked with additional sub-stations selected on color photos taken with a hand-held camera. These photos were used before the strip photography was available. Many of the images selected on the hand-held photographs could not be determined on the strip photography. In some cases the premarked stations could not be seen clearly in the strip photography.

Stations which could not be held within National Map Accuracy Standards and the probable reasons for the source of error are as follows:

STRIP #1

BET, 1967, SS "A" and SS "B" - Could not be clearly seen on the 1:40,000 scale photography.

POLE (TEMP), BASE PT. "C", 1967, Panel, SS "A" and SS "B" - The positions of this station and its substations were determined by a short baseline method. With the small angle involved and the evidence of bridging residuals, this station was treated as a passpoint between Strips #1 and #8.

PIERCE 2, 1963 - Only the 1:40,000 scale target was considered as a good point in Strip #1. All other substations were dropped from the adjustment.

STRIP #2

RADAR, 1955, SS "A" was a very poor image point on this strip and was dropped from the adjustment.

STRIP #5

VALKARIA, 1960 (Target) and TURKEY CREEK, 1877 (Target) gave large residuals in the adjustment phase and were dropped. The substations for these stations were used in place of the targets and showed good residuals in the adjustment.

STRIP #6

TRIPOD 3, 1963, SS "A" - No reason could be determined for this substation not holding in the adjustment. It was dropped from the bridge.

STRIP #7

ARTESIA, 1953, SS "A" - No reason could be determined for the error in this station. Since two companion points held, the substation was dropped.

STRIP #8

POLE (TEMP), BASE PT. "C", 1967 - See note under Strip #1.

24. Supplemental Data

Local USGS quads were used for elevations during bridging operations.

25. Photography

Photography was adequate as to coverage, overlap, definition and quality.

Submitted by:

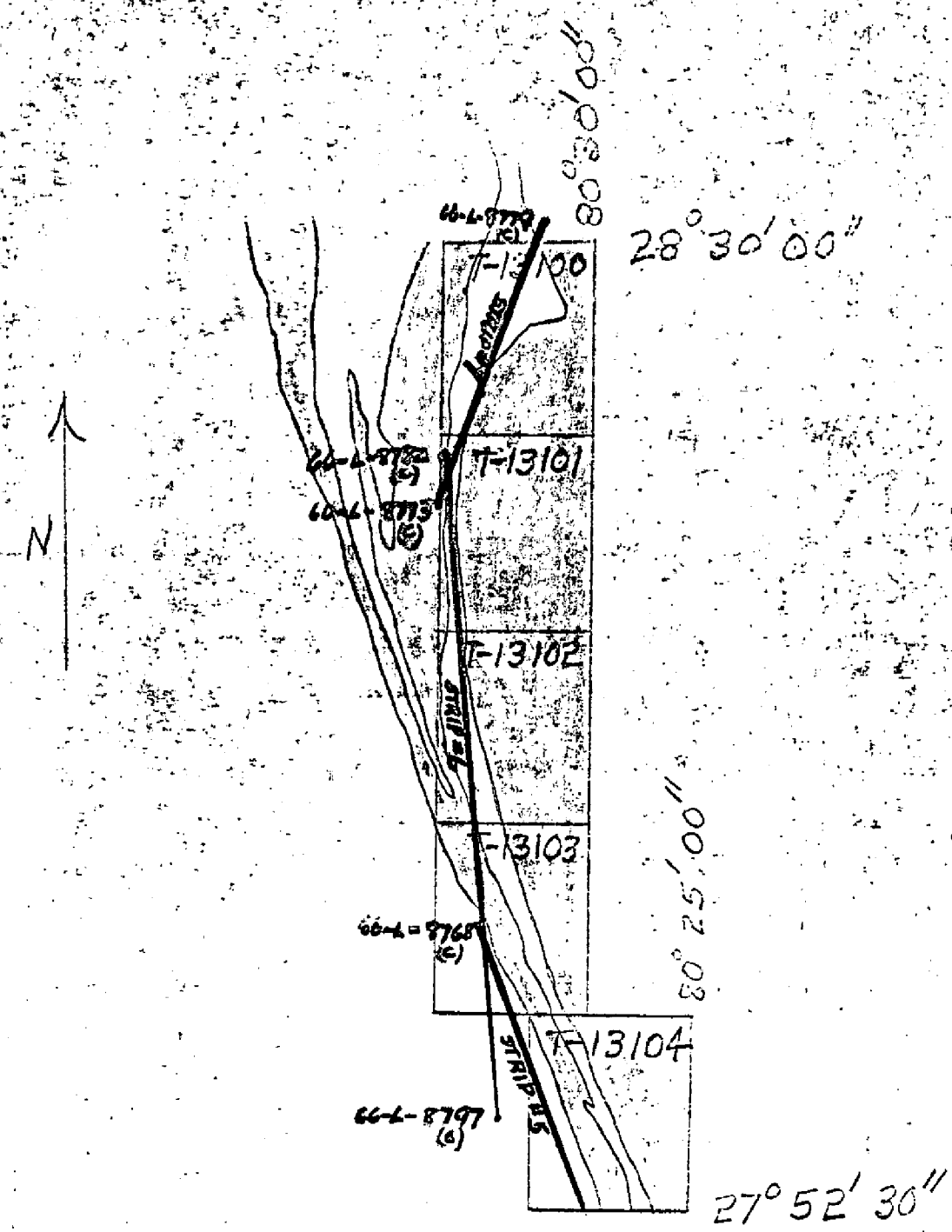
Robert B. Kelly

Approved by:

John D. Perrow Jr.

PH-6710

FLORIDA COAST



Compilation Report
Project PH-6710
T-13103
July 1967

31. Delineation

This manuscript was compiled on the B-8 stereoplotter at a scale of 1:20,000 using 1:40,000 color plates. Infrared photographs ratioed to manuscript scale were used for graphic refinement of the MHWL.

Points were positioned along the shoreline to facilitate hydrographic signal location and cronapaque ratio prints of the photography were resected to the manuscript in the standard manner for photo-hydro support.

This manuscript was also delineated according to Marine Chart specifications to provide a new base for Chart 845-SC.

32. Control

Identification, density and placement of control was adequate.

33. Supplemental Data

Small-craft chart 845-SC at 1:40,000 scale dated August 1966 was used as an aid in locating landmarks, Lts. and daybeacons in the area. Geological Survey Quad.; Melbourne East, Florida, dated 1951, scale 1:24,000 was used for the Geographic Names Standard.

34. Contours and Drainage

Inapplicable

35. Shoreline and Alongshore Details

Delineation of the shoreline and alongshore details was accomplished by office interpretation of the photographs.

36. Offshore Details

No comment.

37. Landmarks and Aids

Eight landmarks and 23 aids to navigation have been identified and shown on the manuscript. Two landmarks were triangulation.

38. Control for Future Surveys

No comment.

39. Junctions

Junction has been made and is in agreement to the North with T-13102 and to the South with T-13104.

40. Horizontal and Vertical Accuracy

No comment.

41.-45. - Not Applicable

46. Comparison with Existing Maps

Comparison has been made with Geological Survey Quad.; Melbourne East, Florida, scale 1:24,000 dated 1951.

47. Comparison with Nautical Charts

Comparison has been made with charts #845-SC, scale 1:40,000 dated 8-20-66 and #1246, scale 1:80,000 revised to 7-15-67.

Submitted by,

R. A. Youngblood

R. A. Youngblood

Approved by,

K. N. Maki

K. N. Maki
Chief, Compilation Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6710 (Cape Kennedy to Jupiter Inlet)

T-13103

Atlantic Ocean
Bluefish Point
Cape Malabar
Castaway Point
Coconut Point
Crab Point
Crane Creek
Eau Gallie
Elbow Creek
Fisherman Point
Indialantic
Indian River
Intracoastal Waterway
Long Sandy Point
Malabar
Melbourne
Melbourne Beach
Melbourne Causeway
Melbourne-Eau Gallie Municipal Airport (not shown)
Palm Bay (bay)
Palm Bay (town)
Turkey Creek
Wells Point
Whitehouse Cove

Approved by:

A. J. Wraight

A. J. Wraight
Chief Geographer

Prepared by:

Frank W. Pickett

Frank W. Pickett
Cartographic Technician

FIELD EDIT REPORT

JOB PH-6710

MAPS T-13104 and T-13104

In accordance with Instructions - FIELD EDIT - Job PH-6710; Chart Topography, Cape Kennedy to Jupiter Inlet, Fla. (C1413)

51. METHODS

The mean high-water line along the ocean front was verified by visual inspection and an occasional measured distance from an identifiable object or point, the measurement being recorded on the photograph.

Compiled shoreline along the Indian River was visually verified from a small boat. Requests for corrections, additions and deletions are indicated on the Field Edit Sheet with reference to the photograph by number on which the information is shown.

Streets and roads were travelled to verify existence and classification.

Landmark buildings have been circled on the photographs or verified if compiled.

Landmarks and aids to navigation were visually verified as to existence. A considerable number of daybeacons appeared to be new structures, or in a slightly different position from that compiled. A check was made with the Aids to Navigation officer of the Coast Guard and a list of aids rebuilt since photography obtained. New positions were established by sextant fix where applicable. These have been plotted on the cronaflex print of the map manuscript, the fixes being recorded, and submitted, in a Sketchbook. The plotted positions have not been scaled. Form 567 is submitted for only those aids that have been rebuilt and those that are identified on the photographs (transparencies). Form 567 is submitted for all landmarks.

Additions, deletions and corrections have been noted on the FIELD EDIT SHEET--DISCREPANCY PRINT with cross-referencing to the photographs.

Violet ink was used for all field edit notes.

In addition to the Field Edit Sheet and cronaflex for each map, field edit information will be found on the following photographs: 66L(c)8762 thru 8769, 8791, 8792; infrared ratioed photos: 67S8244R and 8245R; color transparencies: 8762, 8763, 8764, 8791, 8792.

52. ADEQUACY OF COMPILATION

After application of field edit corrections, additions and deletions, compilation will be adequate.

53. MAP ACCURACY

No tests were specified. However, a large number of sextant fixes were required to locate daybeacons, piling and stakes. By using compiled objects such as lights, pier ends, gables, etc., the fixes plotted very good, thus proving the horizontal position of the tested features to be accurate.

54. RECOMMENDATIONS

None offered.

55. EXAMINATION OF PROOF COPY

Not required.

submitted 12/1/67

William H. Shearouse

William H. Shearouse
Chief, Photo Party 60

Review Report T-13103
Shoreline Mapping
March 1970

61. General Statement

(See Summary)

62. Comparison with Registered Topographic Surveys

Comparison was made with T-8884, scale 1:20,000, compiled from aerial photographs of December 1947. This survey is superseded for nautical charting by the new survey. Extensive shoreline changes and development along the Indian River make this survey also obsolete for shoreline mapping.

63. Comparison with Maps of Other Agencies

See paragraph 46 of Compilation Report.

64. Comparison with Contemporary Hydrographic Surveys

There is no contemporary hydrographic survey. Comparison was made with H-5039 and H-5034, scale 1:40,000 dated 1930.

65. Comparison with Nautical Charts

Comparison was made with Chart 1246, 5th Edition dated Oct. 7, 1968, and 845-SC scale 1:40,000, 8th Edition dated August 30, 1969. All differences noted on the discrepancy print between the published charts and the new survey were resolved in field edit. The discrepancy print was prepared in 1967 and was compared with the latest editions of the above charts at that time. Piling at latitude 28°00' and Channel markers in the area of Fisherman Point, located in field edit may be of interest in small-craft charting.

66. Adequacy of Results and Future Surveys

T-13103 complies with the project instructions and is within the National Standards of Accuracy.

Reviewed by
Peter P. Battley Jr.

Approved by,

R. H. Houlster
Chief, Photogrammetry Division

Chief, ~~Marine Chart~~ Photogrammetric Branch 1&B

FORM C&GS-164
(4-68)
USCOMM-DC
50318-P68

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 13103 PROJECT NO. PH-6710 SCALE OF MAP 1:20,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM N.A.	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meter) FORWARD (BACK)
BLUE 2, 1934		1927	1,375,560.62 636,961.02	
PETER WRIGHT, 1877		1927	1,362,274.31 628,229.53	
INDIAEANTIC HOTEL W.T. CENTER, 1930		1927	1,364,053.51 639,133.32	
ANT 2, 1934		1927	1,354,555.64 643,897.84	
MELBO, 1934		1927	1,344,483.39 648,038.97	
WINTER, 1930		1927	1,344,550.75 658,253,43	
TURKEY CREEK, 1877		1927	1,347,411.86 635,434,79	
MELBOURNE RADIO STA. WMMB TWR., 1948	pp. 187	1927	1,361,296.73 629,362.45	

COMPUTED BY | DATE | CHECKED BY | DATE

C&GS FORM 567
(11-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NAUTICAL CHARTS

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

~~TO BE CHANGED~~
~~TO BE CORRECTED~~
TO BE DELETED } STRIKE OUT TWO.

Vero Beach, Florida Nov. 30, 1967

I recommend that the following objects which have *(have not)* been inspected from seaward to determine their value as landmarks be ~~(changed) (corrected)~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by Dennis E. Dearborn

William H. Shearouse
William H. Shearouse *Chief of Party.*

STATE: FLORIDA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CASINO	Building deteriorating. Other buildings in the area cause the		28 05.5		80 34.0		N.A. 1927	T-13103	10/12/67		X		1246
	Cassino building to be less useful as a landmark.												

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 16234-P61

P66)

ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

13163

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

Rockville, Md. Nov. 6, 1968

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by R. A. Youngblood

V. Ralph Sobieralski
Chief of Party.

STATE Florida

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
	Intracoastal Waterway Eau Gallie-St. Lucie Inlet							T-13103					
Dybn 1	Eau Gallie Channel		28 07	22.4 691.0	80 36	58.3 1592.0	NA 1927	Photo Plot	11/1/67		x		845-SC
Dybn 3	"		28 07	24.2 744.5	80 37	10.2 278.0	"	"	"		x		"
Dybn 5	"		28 07	25.4 783.0	80 37	21.9 600.0	"	"	11/2/67		x		"
Lt	"		28 07	29.0 894.0	80 37	25.3 691.0	"	"	"		x		"
Dybn 7	"		28 07	28.7 885.0	80 37	28.2 770.5	"	"	"		x		"
	Melbourne Channel												
Lt	Melbourne Entrance Range		28 04	30.7 944.5	80 36	58.6 1600.5	"	"	11/6/67		x		"
	Front Light												
Lt	Melbourne Entrance Range		28 04	30.5 940.5	80 36	02.6 72.0	"	"	"		x		"
	Rear Light												
Dybn 6	Melbourne Channel		28 04	32.7 1006.5	80 35	40.7 1111.5	"	"	11/2/67		x		"
Dybn 7	"		28 04	31.2 961.0	80 35	40.6 1110.0	"	"	"		x		"
Dybn 8	"		28 04	32.0 986.0	80 35	49.3 1346.0	"	"	"		x		"

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 36485-P66

FORM C&GS-567
(5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

NONFLOATING AIDS ~~OR LANDMARKS~~ FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

Rockville, Md. Nov. 6, 1968

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by R. A. Youngblood

V. Ralph Sobieralski
Chief of Party.

STATE: Florida

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	″ D.M. METERS	POSITION LONGITUDE* ° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Dybn 9	Melbourne Channel		28 04	30.7 945.0	80 35	49.1 1341.0	NA 1927	Photo Plot T-13103	11/2/67		x		845-SC
Dybn 10	"		28 04	31.8 980.0	80 35	55.5 1516.5	"	"	"		x		"
Dybn 11	"		28 04	30.2 930.5	80 35	54.9 1499.0	"	"	"		x		"
Dybn 12	"		28 04	32.1 987.7	80 36	58.0 1584.0	"	"	"		x		"
Lt 2	Indian River (South Section)		28 07	18.5 570.5	80 36	45.3 1236.0	"	"	"		x		"
Dybn 6	"		28 04	38.9 1199.5	80 35	21.7 594.0	"	"	"		x		"
Lt 7	"		28 04	05.0 153.5	80 34	59.9 1635.0	"	"	"		x		"
Dybn 8	"		28 04	00.1 4.0	80 34	59.9 1635.0	"	"	"		x		"
Dybn 13	"		28 02	46.8 1441.0	80 34	15.4 420.5	"	"	11/20/67		x		"
Lt 14	"		28 02	18.4 566.0	80 34	05.1 140.0	"	"	"		x		"
Dybn 16	"		28 01	05.7 176.5	80 33	22.2 606.0	"	"	11/2/67		x		"
Dybn 17	"		28 00	35.9 1105.1	80 33	02.3 62.0	"	"	"		x		"
Dybn 18	"		28 00	02.0 62.5	80 32	42.2 1154.5	"	"	11/20/67		x		"

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be consi[illegible]d for the charts of the area and not by individual field survey sheets. Inf[illegible]tion under each column heading should be given.

* TABULATE SECONDS AND METERS

US [illegible]M-DC 36486-P66

C&GS FORM 567
(11-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

NAUTICAL CHARTS

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

~~TO BE CHARTED~~
~~REVISED~~
~~DELETED~~
} STRIKE OUT TWO

Vero Beach, Florida Nov. 30, 1967

I recommend that the following objects which have (~~been~~) been inspected from seaward to determine their value as landmarks be charted on (~~the chart(s)~~) the charts indicated.

The positions given have been checked after listing by Dennis E. Dearborn

William H Shearouse

William H. Shearouse *Chief of Party.*

STATE: FLORIDA			POSITION									
			LATITUDE*		LONGITUDE*							
CHARTING NAME	DESCRIPTION	SIGNAL NAME	° ′	″ D.M. METERS	° ′	″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
RADIO TOWER	skeleton steel ht.=234 ft. above MHW (△ Melbourne, Radio Station W.M.M.B. Tower, 1948)		28 04	41.584 1280.0	80 35	55.794 1523.3	N.A. 1927	Triang. T-13103	10/17/67		X		1246 845-SC
TANK	elevated ht= 115(125) (△ Indialantic Hotel, Water Tank, Center, 1930)		28 05	08.551 263.2	80 34	06.605 180.3	N.A. 1927	Triang. T-13103	10/17/67		X		1246 845-SC

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show *both the old and new positions.* The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

USCOMM-DC 16234-P61

C&GS FORM 567
(11-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE DELETED~~ } STRIKE OUT TWO
~~CHARTED~~

Vero Beach, Fla.   Nov. 30, 1967

I recommend that the following objects which have (~~have not~~) been inspected from seaward to determine their value as landmarks be charted on (~~deleted from~~) the charts indicated.

The positions given have been checked after listing by Dennis E. Dearborn

William H. Shearouse
William H. Shearouse Chief of Party.

STATE: FLORIDA

CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
TANK	Melbourne Municipal Water Tank elevated Ht 108(128)		28 05.1	03.4 / 105.5	80 36.9	53.7 / 1465.0	N. A. 1927	Photo Plot T-13103	10/17/67		x		1246 845-SC
MICRO TOWER	Southern Bell Tel & Tel. skeleton steel Ht. 242(259)		28 04.8	48.7 / 1499.0	80 36.6	30.4 / 829.5	"	"	10/17/67		x		1246 845-SC
RADIO TOWER	Fla. Highway Patrol skeleton steel Ht. 206(221)		28 03.7	41.9 / 1289.5	80 35.7	45.9 / 1253.0	"	"	11/6/67		x		1246 845-SC
TANK	at Indialantic, Fla. elevated Ht. 117(129)		28 05.1	06.2 / 191.0	80 34.2	07.5 / 204.5	"	"	10/17/67		x		1246 845-SC
MICRO TOWER	skeleton steel Ht. 90(105)		28 ~~03.0~~ 02	58.1 / 1788.0	80 32.9	55.9 / 1528.0	"	"	10/19/67		x		1246 845-SC
SPIRE	church, brown, pyramidal Ht. 60(75)		28 03.4	23.7 / 728.5	80 33.5	31.0 / 847.0	"	"	11/9/67		x		1246 845-SC

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be consid[illegible] for the charts of the area and not by individual field survey sheets. Info[illegible]ion under each column heading should be given.

* TABUL[illegible] SECONDS AND METERS

USCOMM[illegible]16234-P61

RECORD OF APPLICATION [redacted]

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. ____________

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
1246	1-26-72	W. M. Schunk	Full [redacted] After Verification Review Inspection Signed Via
			Drawing No. 23
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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