

6258

U. S. COAST & GEODETIC SURVEY
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APR 19 1935

Acc. No.

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: FLORIDA

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. C.

LOCALITY

FLORIDA BAY ~~FROM GULF~~
Shell KEY BANK TO ~~SOUTH EGG KEY~~ Buchanan Keys

~~BANK~~

193 5

CHIEF OF PARTY

E. R. McCarthy

U. S. GOVERNMENT PRINTING OFFICE: 1928

6258

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

REG. NO.

TOPOGRAPHIC TITLE SHEET

APR 22 1935

Acc. No.

The Topographic Sheet should be accompanied by this form,
filled in as completely as possible, when the sheet is for-
warded to the Office.

Field No. C

REGISTER NO. 6258

State..... FLORIDA ~~BAY~~

General locality..... FLORIDA BAY

Locality..... SHELL KEY BANK TO ~~DOUGLASS KEY BANK~~
Buchanan Keys

Scale..... 1:20,000 Date of survey..... October....., 1934

Vessel..... Field Party No. 3 Field Party No. 14

Chief of party..... H. A. Cotton E. R. McCarthy.....

Surveyed by..... H. J. Seaborg

Inked by..... H. J. Seaborg

Heights in feet above..... to ground to tops of trees

Contour, Approximate contour, Form line interval..... feet

Instructions dated..... Nov. 17....., 1935.

Remarks:.....

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET NO. C.

FLORIDA BAY FROM SHELL KEY
BANK TO BOWLEGS KEY BANK

FLORIDA

PARTY NO. 14

E. R. McCarthy,
Lieut.(j.g.) C&GS,
Chief of Party.

Party No. 3

H. A. Cotton,
Chief of Party.

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET NO. C.

AUTHORITY:

Instructions of the Director dated Nov. 17, 193³4.

LIMITS:

That part of Florida Bay between the northern end of Shell Key Bank Cut and through Bowlegs Key Bank Cut; and extending from the inside or northwest shore of Lower Matecumbe Key, northwest into Florida Bay. This sheet embraces Torry, Twin and Buchanan Keys on the west. A junction is made with sheet "B" on the north and Sheet "D" on the south of this same current survey.

CONTROL:

Three triangulation stations of the main second order scheme executed by this party appear on this sheet, namely: Boutte 1934, Matecumbe 2 1934, and Buchanan 1909. Five intersection poles and four natural objects located with third order accuracy complete the control on this sheet. Topo signals "My" and "BN. 66 C" were transferred from Sheet "B" to facilitate the work on Sheet "C".

METHODS:

This topo sheet was primarily used as the northern control sheet for Hydrographic Sheet No. 7 of this survey. Signals and objects were located by plane-table cuts supplemented by three point fixes. A short traverse of about 300 meters was run through a small boat passage which runs along the southern end of Upper Matecumbe Key. There was no error in this traverse. Short sections of shoreline were obtained at most of the triangulation stations for the control of the aerial photo-topography.

DESCRIPTION OF AREA SURVEYED:

The general appearance of the main line of keys is much the same, presenting a more or less uniform tree line. The smaller keys appear much the same as the main line of keys. A fill for the railroad and highway connects

DESCRIPTION OF AREA SURVEYED: (CONTINUED)

Upper Matecumbe Key to Lower Matecumbe Key. The lower portion of the northwest shore of Upper Matecumbe Key is of mangrove growth, likewise the two extremities of Lower Matecumbe Key. The middle part of this shore is of coral rock.

CHANGES:

Mangrove growth has affected changes in the shoreline in this area principally on the lower ends of Upper and Lower Matecumbe Keys. Also mangrove have taken root in miscellaneous clumps south of Shell Key.

AIR-PHOTO CONTROL:

Station "Bulk" on the fill between Upper and Lower Matecumbe Keys is usable for air-photo control.

GEOGRAPHIC NAMES:

All the names as appear on the present chart are still in usage.

LANDMARKS:

See list of landmarks attached.

MISCELLANEOUS:

Beacons Nos. 70, 71 and 80 have been located by triangulation subsequent to their location by plane-table.

Approved & Forwarded:

E. R. McCarthy
E. R. McCarthy,
Lieut.(j.g.) C&GS,
Chief of Party.

RESPECTFULLY SUBMITTED,

H. J. Seaborg
H. J. Seaborg,
Deck Officer, C&GS.

Landmarks

TOPO SHEET "C"

WINDMILL
(Tri. Mill)

24-54 271.8 80-39 237.9 N.A. Tri. 1250

LIST OF BEACONS TOPO SHEET "C"

Miami, Fla.

March

5

E. R. McCarthy

Beacon 66C	Red	24-56	1779	80-39	388	N.A.	TOPO	1250
Beacon 63	Lighted	24-56	788	80-39	1454	N.A.	Topo	1250
Beacon 65	Black	24-56	685	80-39	1664	N.A.	TOPO	1250
Beacon 67	Black	24-56	626	80-40	118	N.A.	Topo	1250
Beacon 68	Red	24-56	779	80-39	1576	N.A.	Topo	1250
Beacon 70	Lighted	24-56	668	80-40	146	N.A.	Topo	1250
Beacon 71	Lighted	24-54	712	80-43	1250	N.A.	Topo	1250
Beacon 73	Black	24-54	381	80-43	1506	N.A.	Topo	1250
Beacon 75	Black	24-54	213	80-43	1628	N.A.	Topo	1250
Beacon 76	Red	24-54	738	80-43	1286	N.A.	Topo	1250
Beacon 78	Red	24-54	597	80-43	1457	N.A.	Topo	1250
Beacon 80	Lighted	24-54	258	80-43	1646	N.A.	TOPO	1250

MEMORANDUM BY CHIEF OF PARTY.

The field work was done under the direction and supervision of Lt. Comdr. H.A.Cotton and the inking and office work was done under my supervision.

E.R. McCarthy

E.R.McCarthy
Lieutenant (j.g.) C. & G.S.
Chief of Party.

REVIEW OF GRAPHIC CONTROL SURVEY T-6258, SCALE 1:20,000

Date of Review Dec. 21, 1937 (T-5540)
Sept 2, 1938 (T5541)

✓ 1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5540, 5541, , with particular attention to the following details:

- ✓ (a) Projection has been checked in the Field. Projection is off
- ✓ (b) Accuracy of location of plane table control points.
- ✓ (c) Discrepancies between detail on this survey and the air photo compilations listed above.
- ✓ (d) Discrepancies found in descriptions submitted on Form 524 when compared with the air photo compilations listed above.

✓ 2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5540, 5541, , for a more complete discussion of any errors or discrepancies found.

✓ Any material errors found on this survey are noted in subsequent paragraphs of this review, and these have been reported to the Field Records Section and the Cartographic Section.

✓ Notes and corrections resulting from the review are shown on this survey in green.

- (1) Numerous triangulation and topographic stations were destroyed in September 1935. These are noted on this survey.
- (2) The railroad on the fill between Upper and Lower Matecumbe was demolished. The causeway is being rebuilt for highway use, and bridges are being inserted.
- (3) The distance between meridians has been drawn 6 m. too short on this survey.
- (4) For chart compilation use T-5540 T. M. Price (T-5540)
and T-5541 T. M. Price (T5541)