State: FLORIDA

DESCRIPTIVE REPORT

Topographic [Hydrographic] Sheet No. B

LOCALITY

FLORIDA BAY

TAVERNIER CREEK TO SHELL KEY BANK

1934

CHIEF OF PARTY

E. R. McCarthy
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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

Field No. ... B ...

REGISTER NO.  6257

State ................................................................ FLORIDA ................................................

General locality. .................................. FLORIDA BAY ..........................................

Locality ..................................... TAVERNIER CREEK TO SHELL KEY BANK ..........

Scale ................................................................ 1:20,000 ........................................

Date of survey .................................. September .........., 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 ........................, 1933 ..........

Remarks: ...........................................................................................................

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

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET NO. B

FLORIDA BAY FROM TAVERNIER CREEK
TO SHELL KEY BANK.

FLORIDA

PARTY NO. 14

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

PARTY NO. 3

H. A. Cotton,
Chief of Party.
DESCRIPTIVE REPORT  
TO ACCOMPANY  
TOPOGRAPHIC SHEET NO. B

AUTHORITY:  

Instructions of the Director dated Nov. 17, 1954.

LIMITS:  

That part of Florida Bay between the northwest entrance to Tavernier Creek and the north end of Shell Key Bank out; and extending from the inside or west shore of Plantation Key, Windly Isle, and Upper Matcnumbe Key, northwest into Florida Bay. This sheet embraces Low, Captain and Torry Keys on the west and Snake Creek up to the highway and R.R. bridges. A junction is made with sheet "A" on the north and sheet "C" on the south of the same current survey.

CONTROL:  

Two stations of the main second order scheme executed by this party appear on this sheet, namely Low 2 1934 and East 1859 - 1909. Five intersection poles of third order accuracy along with the positions of four natural objects complete the triangulation control.

METHODS:  

This sheet along with Sheet "A" were used as control sheets for hydrographic sheet No. 5 of this same survey. Most of the signals and objects were located by plane-table cuts. Signals "Al", "Fair", "Let" and "End" were located by sextant cuts and plotted on the sheet with a three arm steel protractor. The record of the cuts will be found in the cut book accompanying hydrographic sheet No. 5. Short sections of shoreline were run at most of the triangulation stations and other points on the sheet for the control of the aerial photo-topography. There are no traverses on this sheet.
DESCRIPTION OF AREA SURVEYED:

In general this area is much the same, presenting a more or less uniform tree line on the main line of keys as well as on the numerous smaller keys. The upper and lower ends of the northwest shore of Plantation Key consist of mangrove which grows out and overhangs into the water making a boat landing impossible. The center portion of the shore of this key is coral rock. The northwest shore of Windly Isle is mangrove growth. The shoreline of Upper Matecumbe Key is mostly coral rock. The smaller keys are of low elevation (about a foot above M.L.W.) are grass covered in places, and have scattered mangrove growth.

On Windly Isle there is a coral rock quarry and is easily identified by the three derrick masts which rear themselves above the general level. The upper portion of Upper Matecumbe Key is distinguished by twin wooden water tanks and on the lower end of the same key, by the top of the Matecumbe Hotel.

CHANGES:

The changes in this area are due entirely to the growth of mangrove, principally through the Cowpen’s Cut where the growth will eventually foul in the channel. Also on the northwest shore of Windly Isle and the lower end of Upper Matecumbe Key there has been considerable growth.

AIR-PHOTO CONTROL:

Signals "Rit", "Tap", "My", and "West" are about the only usable points located by topography on this sheet.

GEOGRAPHIC NAMES:

There has been no addition or elimination of names in this area except that the key between Plantation and Upper Matecumbe Keys is known locally as Windly Isle. The first navigational cut below Tavernier Creek is known as the Cowpen’s.
LANDMARKS:

List of landmarks is attached.

MISCELLANEOUS:

The R. R. bridge at the head of Snake Creek has a clearance of 8' and a clear span of 26.1', while the highway bridge has a clearance of 8' and a clear span of 23'. Beacon No. 61 has been located by triangulation subsequent to the location by plane-table.

Respectfully submitted,

Approved & Forwarded:

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

E. H. McCarthy,
Lieut. (j.g.) C&GS,
Chief of Party.
| Beacon 57 | Black  | 25-00 | 315 | 80-83 | 955 | N.A. | Topo 1249-1260 |
| Beacon 59 | Black  | 24-59 | 1827 | 60-83 | 1028 | N.A. | Topo 1249-1260 |
| Beacon 66 | Lighted | 25-00 | 41 | 80-83 | 1040 | N.A. | Topo 1249-1260 |
| Red & Black Beacon | Topo "Red" | 24-68 | 9 | 80-86 | 281 | N.A. | Topo 1250 |
| Beacon 61 | Lighted | 24-57 | 1043 | 80-86 | 840 | N.A. | Topo 1250 |
| Beacon 66A | Red | 24-57 | 917 | 80-86 | 1827 | N.A. | Topo 1250 |
| Beacon 66B | Red | 24-57 | 606 | 80-86 | 1588 | N.A. | Topo 1250 |
| Beacon 66C | Red | 24-56 | 1780 | 80-86 | 388 | N.A. | Topo 1250 |
| Beacon 66D | Red | 24-56 | 1494 | 80-86 | 895 | N.A. | Topo 1250 |
| Beacon 69 | Black | 24-57 | 1370 | 80-86 | 1508 | N.A. | Topo 1250 |
| Beacon 72 | Red | 24-57 | 1334 | 80-86 | 1500 | N.A. | Topo 1250 |
| Beacon 74 | Red | 24-57 | 1441 | 80-86 | 1590 | 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
Lieutenant (j.g.) C. & G.S.
Chief of Party.
Topo Sheet "B"

Miami, Florida

April 17, 1935

E.R. McCarthy, Lieut. (j.g.)

* TOWER (Tallest of three)
  △ Sta. Derrick Mast 24-56 1820.5 80-35 1194.8 N.A.  Regulation 1249 - 1250

TWIN TANKS
  △ (North Tank) 24-55 825.9 80-37 1195.3 N.A.  "  1249 - 1250
  △ (South Tank) 24-55 817.6 80-37 1202.4 N.A.  "  1249 - 1250

BUILDING (N.W. face of top) △ Sta. Hotel 24-54 1649.7 60-38 521.4 N.A.  "  1250

HOUSE (N.W. gable)
  ○ Sta. "Ben" 24-56 641 80-36 1115 N.A.  Topo 1249 - 1250

HOUSE (N.W. gable)
  ○ Sta. "Nick" 24-56 516 80-36 1241 N.A.  "  1249 - 1250

These landmarks have been inspected from the water area for visibility.

E.R. McCarthy
Lieutenant (j.g.)  C. & C.S.
Chief of Party
Name and Description

A. R. Wapux

The positions given have been checked afterhands.

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

LANDMARKS FOR CHARTS

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

Form 567

1933

APRIL 20

Page 18 of 18
REVIEW OF GRAPHIC CONTROL SURVEY T-6257, SCALE 1:20000

Date of Review Dec. 21, 1937

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

(a) Projection has been checked in the field.

(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 564 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5540, 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 to 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 fill at Whale harbor and the railroad bridge at Snake Creek were partly destroyed. The highway bridges and causeways are being rebuilt.

(3) For chart compilation use T-5540. T. M. Price