State... Florida

Locality

Florida Keys

Big Pine Key west to Sugarloaf Key and Ocean to Gulf Coasts

1937-8-9

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. K & KK (reverse side)  
REGISTER NO. T6509ab  

State _____________________________ Florida  

General locality ___________________ Florida Keys  
Locality ___________________________ Key West to Water Key  

Sheet K - Bullfrog Bank to Water Keys  
Locality K & KK Conch Key to Sugarloaf Key  
Water Key  
July August 1936  
Scale 1:20000  
Date of survey June 8, 1937  
June 1938 - January 1939  

Vessel _____________________________ Shore Party #1  

Chief of party ______________________ E. E. McCarthy  
Surveyed by _________________________ E. R. McCarthy  
P. A. Weber  
Inked by ___________________________ P. A. Weber  
E. L. Patterson  
Heights in feet above _____________ to ground to tops of trees  
Contour, Approximate contour, Form line interval ______ feet  
Instructions dated November 17, 1933  
1937  
Remarks: Graphical Control Sheets -- No topography  

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. L & LL (Reverse side)

REGISTER NO. T6667ab

State Florida

General locality Florida Keys

Sheet L--Southeast Point of Big Pine Key to Ramrod Key

Locality L--Spy (Tye) Harbor Key to Sugarloaf Key

June-December 1937

Scale 1:20000 Date of survey June 1938-January 1939

Vessel Shore Party #1

Chief of party E. R. McCarthy

Surveyed by E. L. McCarthy  P. A. Weber

Inked by P. A. Weber  E. L. Patterson

Heights in feet above ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated November 17, 1933

Remarks: Graphical Control only. No topography
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. F

REGISTER NO. T6668

State Florida

General locality Florida Keys

Locality Coast from Sugarloaf Key to Rock Point (Geiger Key)

Scale 1:20000 Date of survey June 1938, 19

Vessel Shore Party #1

Chief of party E. R. McCarthy

Surveyed by P. A. Weber

Inked by P. A. Weber E. L. Patterson

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated November 17 1935, 19

Remarks: Graphical control only. No topography
DESCRIPTIVE REPORTS TO ACCOMPANY GRAPHICAL CONTROL SHEETS

T-6509a (K), T-6509b (KK), L & LL, and P.

AUTHORITY

Instructions from the Director dated November 17 1933 (H. A. Cotton).

LIMITS

Sheet T-6509a
b Bullfrog Banks to Water Keys
b Content Keys to Sugarloaf Key

Sheet L
LL Southeast Point (Big Pine Key) to Ramrod Key.
LL Spy (Pye) Harbor Key to Sugarloaf Key.

Sheet P
P Coast from Sugarloaf Key to Rock Point (Geiger Key).

METHODS

The traverse along the south shore of Big Pine Key from Southeast Point to Newfound Key (O Cook) was partially controlled by two stations located by photoplotting and photometric methods. The traverse was run between O Palm and O Cook checking on stations Blow and Alif which were located by photographic methods.

The traverse west from Station Gandalpho was run with the usual plane table methods checking by resection on the offshore stations. The errors were negligible.

The signals in the channels and in the areas north of the keys were located by plane table and sextant cuts with an occasional sextant fix in locations where the control was close enough that a good determination could be obtained.

TOPOGRAPHY

The sheets were used for location of signals only and no topography or geographic names are shown. These were taken up in the following sheets--

T-5544 and T-5545 and T-5547.

Signals were located by plane table methods as a large number of the signals used were trees and natural objects or were signals built in the water where photographic methods were of no avail.

Signal Cook was located by both methods and the discrepancy in the two positions should be a fair index as to the amount of difference to be expected.

MISCELLANEOUS

The beacons along the INSIDE ROUTE north of the keys were all located. They are 2x2 posts with finger set into an iron pipe driven into the bottom. The casualties are large and the lighthouse district makes frequent checks to see that they are still in place.
MISCELLANEOUS (CONTINUED)

Locations of these beacons have been previously forwarded.

There are no landmarks within the limits of any of the three sheets. The position of the railroad tanks at Cudjoe Key which had been reported has been previously recommended for deletion.

The topography was partially done by Ensign P. A. Weber and partially by myself.

Respectfully submitted,

E. R. McCarthy
Chief of Party
REVIEW OF GRAPHIC CONTROL SURVEY T-6509a, SCALE 1:20000,

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5344, , , 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 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5344, , 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.

Jones
7/1/39

H. Reed

REVIEW OF GRAPHIC CONTROL SURVEY T-6509B, SCALE 1:20,000,

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5547, T-5545, 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 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5547, T-5545, 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.

Jones
11/12/37

H. H. Henley
REVIEW OF GRAPHIC CONTROL SURVEY T-6667a, SCALE 1:20,000

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5544, 5544, 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 584 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5544, 5545 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.

Jones
7/11/39

H. Reed
REVIEW OF GRAPHIC CONTROL SURVEY T-667B, SCALE 1:29,000,

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5544, 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 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5544, 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.

B. Jones
7/11/37
Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-6668, 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 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T-5579, 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.

B. Jones 1/11/39

[Signature]
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. X

REGISTER NO. T6509

State FLORIDA

General locality FLORIDA KEYS

Locality CRAWL KEY TO CONTENT KEYS

Scale 1:20,000 Date of survey July, 1936

Vessel PARTY NO. 14

Chief of party E. R. McCARTHY

Surveyed by P. A. WEBBER

Inked by P. A. WEBBER, M. J. GIORDANO

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

Contour, Approximate contour, Form line interval feet

Instructions dated November 17, 1935 (H. A. Cotton), 19

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

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET NO. "K"

FLORIDA
CRAWL KEY TO CONTENT KEYS

Party No. 114

E. R. McCarthy
Lieut.-J.G. C&GS,
Chief of Party.
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET NO. "K"

AUTHORITY:

Instructions of the Director dated November 17, 1933 (R.A. Cotton).

LIMITS:

Crawl Key at the southeast corner of the sheet to Content Keys at the northwest corner of the sheet.

CONTROL:

Control for the sheet consisted of a number of stations of the 1935 triangulation scheme evenly distributed over the entire area.

METHODS:

All signals located by means of graphic triangulation.

GENERAL DESCRIPTION OF THE KEYS:

All the keys in the area are mud and rock formation with thick mangrove growths. Big Spanish Key is a cormorant rookery.

SETTLEMENTS:

There are no settlements on any of the keys.

GEOGRAPHIC NAMES:

Names inked on the sheet are names shown on the present chart which were verified by the field party. Names in pencil are well established locally and are covered by a special report on Geographic Names.

LANDMARKS:

There are no landmarks in this area. A copy of aids to navigation is attached to this report.
MISCELLANEOUS:

The sheet is on North American Datum. The following conversion factors were used:

W.H. Bainbridge N.A. to E.R. McCarthy N.A.

Lat. + 01.6 meters
Long. + 11.0 meters

Big Spanish Key En. 22 was relocated in December 1936 by the U.S.L.H.S. and is now designated as Big Spanish Key En. 32. The location as made by the U.S.L.H.S. is approximate and therefore is not shown on the topographic sheet. See T 55 S. R. 14 W. for position determined by rapid transit. This sheet is incomplete and should be returned to the field for completion when operations are resumed.

Respectfully submitted:

[Signature]
F.A. Weber
Topographer.

Approved and forwarded:

[Signature]
E.R. McCarthy
Lt. (j.g.) C&GS
Chief of Party.
I recommend that the following objects which have (been from) been inspected from seaward to determine their value as landmarks, be charted on the charts indicated. The positions given have been checked after listing.

<table>
<thead>
<tr>
<th>General Locality</th>
<th>Name and Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Location</th>
<th>Date of Location</th>
<th>Charts Affected</th>
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<tbody>
<tr>
<td></td>
<td><strong>Big Spanish Channel</strong></td>
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<tr>
<td>****</td>
<td>Big Spanish Key Bn. 32 (Sn. 26)</td>
<td>24° 46' 60&quot;</td>
<td>81° 23' 16&quot;</td>
<td>M.A.</td>
<td>Triang.</td>
<td>1935</td>
<td>* 26111851</td>
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<td>Big Spanish Key Bn. 33</td>
<td>24° 46' 16&quot;</td>
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<td>* Do</td>
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<td>Big Spanish Key Bn. 34</td>
<td>24° 47' 17&quot;</td>
<td>81° 24' 13&quot;</td>
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<td>Big Spanish Key Bn. 36</td>
<td>24° 47' 31&quot;</td>
<td>81° 24' 13&quot;</td>
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<td>Big Spanish Key Bn. 38</td>
<td>24° 47' 93&quot;</td>
<td>81° 24' 16&quot;</td>
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<td>Big Spanish Key Bn. 39</td>
<td>24° 47' 62&quot;</td>
<td>81° 24' 15&quot;</td>
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<td>Big Spanish Key Bn. 41</td>
<td>24° 48' 49&quot;</td>
<td>81° 25' 0&quot;</td>
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<td>Harbor Key Bn. 43</td>
<td>24° 50' 35&quot;</td>
<td>81° 25' 98&quot;</td>
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<td>Harbor Key Lt. 45</td>
<td>24° 50' 67&quot;</td>
<td>81° 25' 12&quot;</td>
<td>&quot;</td>
<td>Triang. 1935</td>
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<td>Bull Frog Bank Lt.</td>
<td>24° 50' 13&quot;</td>
<td>81° 20' 97&quot;</td>
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** See next sheet for new location of this beacon

This form shall be prepared in accordance with 1934 Field Memorandum, "LANDMARKS FOR CHARTS." 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.
I recommend that the following objects which have been inspected from seaward to determine their value as landmarks, be charted on the charts indicated.

The positions given have been checked after listing.

**Big Spanish Channel**

<table>
<thead>
<tr>
<th>NAME AND DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>DATUM</th>
<th>METHOD OF LOCATION</th>
<th>DATE OF LOCATION</th>
<th>CHARTS AFFECTED</th>
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<tbody>
<tr>
<td>Big Spanish Key Bn. 32</td>
<td>24° 46’</td>
<td>88° 81° 23’</td>
<td>11° 30’</td>
<td>USLHS</td>
<td>Dec, 1936</td>
<td>4261, 1250</td>
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The above beacon was relocated in Dec 1936 in new location.

To better mark the intracoastal route, the location was spotted on the original survey sheets or photostate of the sheets and transferred to the chart.

This form shall be prepared in accordance with 1934 Field Memorandum, “LANDMARKS FOR CHARTS.” 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.
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOGRAPH

No. T-6509(Graphic Control)

received Feb. 20, 1937
registered Feb. 27, 1937
verified
reviewed
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

<table>
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RETURN TO

82  C. K. Green
REVIEW OF GRAPHIC CONTROL SURVEY T-6509, SCALE 1:20000,

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. T-5544,  ,  , 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 524 when compared with the air photo compilations listed above.

2. Refer to the reviews and descriptive reports of air photo compilations Nos. T- ,  ,  , for a more complete discussion of any errors or discrepancies found. None.

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.

Only partially compared with and applied to T5544. Sheet T6509 is in the field and for additional work and will be compared with T5544 when returned to the office. Partial comparison made at this slot with film negative of T6509 which is filed in the vault.

J.G. Jones
11/15/38
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT

\[ \text{T-5b09ab} \]
\[ \text{No. T-6667ab} \]
\[ \text{T-6688} \]
\[ \text{Graphic Control} \]
\[ \text{verified} \]
\[ \text{reviewed} \]
\[ \text{approved} \]

received Mar. 15, 1939
registered April 14, 1939

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgment that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

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RETURN TO

82 T. B. Reed

\[ \sqrt{703R} \]