

6509 ab

6667 ab

6668

Graphic Control U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

MAR 15 1939

Graphic Control

Acc. No.

Graphic Control

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Graphical Control } K & KK
Topographic } Sheet No. L & LL
Hydrographic } P

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

U. S. GOVERNMENT PRINTING OFFICE: 1934

Graphic Control

Graphic Control

Graphic Control

6509 ab

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6668

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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** *Graphical Control*

State Florida

General locality Florida Keys

Sheet K- Bullfrog Bank to Water Keys

Locality KK-Content Keys to Sugarloaf Keys

Scale 1:20000 Date of survey July August 1936

Water Keys June - December 1937

Vessel Shore Party #1

Chief of party E. R. 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, 19____

Remarks: Graphical Control Sheets--No topography

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

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. L & LL (Reverse side)

REGISTER NO. **T6667 ab**

Graphic Control

State Florida

General locality Florida Keys

Sheet L-- Southeast Point (Big Pine Key) to Ramrod Key
Locality LL-- Spy (Pye) 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. 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, 19____

Remarks: Graphical Control only. No topography

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. P

REGISTER NO. **T6668** Graphic Control

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 1933, 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	Bullfrog Banks to Water Keys
b	Content Keys to Sugarloaf Key
Sheet L	Southeast Point (Big Pine Key) to Ramrod Key
LL	Spy (Pye) Harbor Key to Sugarloaf Key.
Sheet 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 phototopographic methods. The traverse was run between O Palm and O Cook checking on stations Blow and Alf which were located by photo methods.

The traverse west from Station Gandolpho 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 planetable 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
E. R. McCarthy
Chief of Party

REVIEW OF GRAPHIC CONTROL SURVEY T-~~5544~~ *6509a*, 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-*5544*, , for a more complete discussion of ~~any errors or discrepancies found.~~ *graphic control survey T 6509a*

~~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. *None*

B. J. Jones
7/11/39

H. D. Reed Jr.

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. *graphic control survey T-6509b*

~~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. *None*

B. Jones
7/12/39

H. D. Reed Jr.

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-5545, 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, T5545, for a more complete discussion of ~~any errors or discrepancies found.~~ *graphic control survey T 6667a*

~~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. J. Jones
7/11/39

H. D. Reed

REVIEW OF GRAPHIC CONTROL SURVEY T-6667b, SCALE 1:24000, 1937

Date of Review 7-11-39

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.~~ *graphic control survey T6667b*

~~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. G. Jones
7/11/39

W. L. Reed Jr.

REVIEW OF GRAPHIC CONTROL SURVEY T- 6668 , SCALE 1:20,000,

Date of Review

1. This survey has been reviewed in connection with Air Photo Compilation Nos. 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-5545, , for a more complete discussion of ~~any errors or discrepancies found.~~ *graphic control survey T 6668*

~~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. G. Jones
7/11/39

H. Reed Jr

6509 (1936)

6509 (1936)

Graphs Included

Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. "K"

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
FEB 18 1937
Acc. No. _____

State FLORIDA

LOCALITY

FLORIDA KEYS

CRAWL KEY TO CONTENT KEYS

1936

CHIEF OF PARTY
E. R. McCarthy

U. S. GOVERNMENT PRINTING OFFICE: 1934

1251

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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

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. WEBER

Inked by P. A. WEBER, J. 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. 14

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
(H.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 well 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 cov-
ered 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 Bn. 22 was relocated in December 1936 by the U.S.L.H.S. and is now designated as Big Spanish Key Bn. 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 5544 for portion determined by resurvey by field inspection party.
This sheet is incomplete and should be returned to the field for completion when operations are resumed.

Respectfully submitted:

P.A. Weber.

P.A. Weber,
Topographer.

Approved and forwarded:

E.R. McCarthy.

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

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEYTO BE CHARTED
~~TO BE DELETED~~

STRIKE OUT ONE

~~LANDMARKS FOR CHARTS~~ AIDS TO NAVIGATION

Copy

Key West, Fla.

Feb. 3

1936

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

The positions given have been checked after listing.

E. R. McCarthy

Chief of Party.

GENERAL LOCALITY		NAME AND DESCRIPTION		POSITION						METHOD OF LOCATION	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE		DATUM							
°	'	D. M. METERS	°	'	D. P. METERS										
**	~~Big Spanish Key Bn. 32 (Bn. 22)~~		~~24- 46~~	~~684~~	~~81- 23~~	~~1668~~	~~N.A.~~	~~1935~~	*	*	*	~~32611251~~			
	Big Spanish Key Bn. 33		24- 46	1680	81- 24	1054	"	1936	*	*		Do			
	Big Spanish ^{Key} Bn. 34		24- 47	174	81- 24	1328	"	"	*	*		"			
	Big Spanish Key Bn. 36		24- 47	314	81- 24	1390	"	"	*	*		"			
	Big Spanish Key Bn. 38		24- 47	930	81- 24	1644	"	"	*	*		"			
	Big Spanish Key Bn. 39		24- 47	628	81- 24	1530	"	"	*	*		"			
	Big Spanish Key Bn. 41		24- 48	499	81- 25	0	"	"	*	*		"			
	Harbor Key Bn. 43		24- 50	350	81- 25	981	"	"	*	*		"			
	Harbor Key Lt. 45		24- 50	671	81- 25	1291	"	Trian. 1935	*	*		"			
	Bull Frog Bank Lt.		24- 50	1339	81- 20	974	"	"	*	*		"			
		** 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.

STRIKE OUT ONE

HIPS TO NAVIGATION.

Key West, Fla.

Feb. 3, 1936

E. R. McCarthy

Chief of Party.

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
~~PHOTOSTAT OF~~

~~No. 11~~
~~No. 11~~

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.

ROUTE		Initial	Attention called to
20			
22			
24			
25			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	C. K. Green
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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 T 5544. Sheet
T 6509 is in the field and for
additional work and will be compared
with T 5544 when returned to the
office. Partial comparison made at
this date with film negative of
T 6509 which is filed in the vaults*

*J. G. Jones
11/15/38*

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } ~~XXXXXX~~
 PHOTOSTAT OF } No. T-6509ab }
 } T-6667ab } Graphic
 } T-6668 } Control

received Mar. 15, 1939
 registered April 14, 1939
 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.

ROUTE		Initial	Attention called to
20			
22			
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83			
88			
90			

RETURN TO

82	T. B. Reed
----	------------

✓ TBOR