

1251

8489

Diag'd. on diag. ch. No. 1251 & 1252

8489

Form 504	
U. S. COAST AND GEODETIC SURVEY DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT <i>Cattell Key</i> SOUL GRANDE, FLA.	
<i>N 2430 - W 8152.5 / 7.5</i>	
Type of Survey	<u>Topographic</u>
Field No.	Office No. <u>T - 8489</u>
LOCALITY	
State	<u>Florida</u>
General locality	
Locality	<u>Vicinity of Key West</u>
	<u>Cattell Key</u>
	<u>194 3</u>
CHIEF OF PARTY	
Comdr. <u>Ray L. Schoppe</u> (Field) Lieut. Comdr. <u>K.G. Crosby</u> (Office)	
LIBRARY & ARCHIVES	
DATE	<u>February 13, 1948</u>

Applied to Chts 584 & 1251	3-4-44	K.G.
" " EN 1252	6-5-44	J.H.S.
" " cht 1351	7/31/44	H.F.S.

DATA RECORD

T- 8489

Quadrangle (II): *Boca Grande, Fla.*
N 2430 - W 8152.5/7.5

Project No. (II): CS 301

Field Office: Tampa, Fla.

Chief of Party: Comdr. Ray L. Schoppe

Compilation Office: Tampa, Fla. Chief of Party: Lieut. Comdr. K.G. Crosby

Instructions dated (II III):

Copy filed in Descriptive
 Report No. T- (VI)
Div. Photogram Office Files

Completed survey received in office: _____

Reported to Nautical Chart Section:

Reviewed: *8/29/43*

Applied to chart No. _____

Date: _____

Redrafting Completed: *22 Sept. 1943*Registered: *Jan 1945*
~~*29 Dec. 1947*~~Published: *1943*

Compilation Scale: 1: 20,000

Published Scale: *1:25000*

Scale Factor (III): - - -

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): WESTCRAW 1934

Lat.: 24° 32' 19.309" (594.1m) Long.: 81° 53' 03.183" (89.6 m) Adjusted
Unadjusted

State Plane Coordinates (VI): *Florida East Zone*x = *206,067.38 ft.*y = *75,563.42 ft.*

Military Grid Zone (VI) B

Also - special Harbor Defence Grid (Key West)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
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None used for radial plot. This sheet is a red line print of previous compilations. Such photographs as were used were for checking topographic features by holding to previously compiled detail.

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source)

Field Inspection by:

date:

Field Edit by: John C. Lajoie, Sn. Photo. Aid.

date: May 1943

Date of Mean High-Water Line Location (III):

(red line print on celluloid)
Projection and Grids ruled by (III) Washington Office date: May 1943

" " " checked by: " " date: "

Control plotted by: (Printed on projection) date:

Control checked by: " " " date:

Radial Plot by: None - Plane table survey date: April 1943

Detailed by: Revision inked: Marie R. Blake date: May 1943
Jr. Engr. Draftsman

Reviewed in compilation office by: E.H. Elrod, Sn. Photo. Aid date: May 1943
J.H.S. Billmyer
Asst. Photo. Engr.

Elevations on Field Edit Sheet
checked by: G.E. Varnadoe, Sn. Photo. Aid. date: May 1943

STATISTICS (III)

Land Area (Sq. Statute Miles): 0.83

Shoreline (More than 200 meters to opposite shore): 16.0

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established: None

Number of Temporary Hydrographic Stations located by radial plot:

Leveling (to control contours) - miles:

Roman numerals indicate whether the item is to be entered by, (II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

DATA RECORD

F- 8489

Quadrangle (II): Project No. (II): CS 301
 Field Office: Tampa, Fla. Chief of Party: Comdr. Ray L. Schoppe
 Compilation Office: Tampa, Fla. Chief of Party: Lt. Comdr. K.G. Crosby
 Instructions dated (II III):
 Compilation Scale: 1:20,000 Scale Factor (III):
 Geographic Datum (III): N.A. 1927 Datum Plane (III): M.S.L.
 Reference Station (IXI): WESTCRAW 1934
 Lat.: 24°32'19.309" (594.1m) Long. 81°53'03.183" (89.6m) Adjusted
~~XXXXXXXXXX~~

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Film</u>	<u>Scale</u>	<u>Status of Tide</u>
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~~None used for radial plot. This sheet is a red line print of previous compilations. Such photographs as were used were for checking topographic features by holding to previously compiled detail.~~

Traced from plane table survey of 1943.

Tide from (III):

Mean Range:

Spring Range:

Camera: (Kind or source):

Field Inspection by: John C. Lajoie, Sr. Photo. Aid. date: May 1943

Date of Mean High-water line Location (III):

~~(Red line print on celluloid)~~
 Projection and Grids ruled by (III): Washington Office date: May 1943

" " checked by " " date:

Control plotted by: (Printed on projection) date:

Control checked by: " " " " date:

Radial Plot by: None--Plane table survey date: April 1943

Detailed by: Marie R. Blake, Jr. Engr. Draftsman date: May 1943

Reviewed in compilation office by: F.H. Elrod, Sr. Photo Aide: May 1943
 J.H.S. Billmyer, Asst. Photo. Engr.

STATISTICS (III)

Land Area (Sq. Statute Miles): 0.83

Shoreline (More than 200 meters to opposite shore): 16.0

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic established:

Number of Temporary Hydrographic Stations located by radial plot:

No field report was submitted for this quadrangle.
The field work was accomplished by plane table. .
No compilation from the nine-lens photograph was
made from this quadrangle.

B. G. Jones
1/8/48

The statement on the opposite page is incomplete and misleading.

The islands comprising the land area on this quadrangle were located by planetable. Photographs were not used in the field.

A manuscript was then prepared in the Tampa Office by tracing the planetable survey and by adding details from nine-lens photographs which had just been taken. No radial plotting was done. The photographs were merely used to add additional details to the planetable shoreline and to complete minor information in the interior of the islands which had not been obtained by the planetable survey.

B. G. Jones

B. G. Jones

Technical Assistant to the
Chief, Div. of Photogrammetry

Compilation Report to Accompany Sheet T-8489

General:

Sheet T-8489 is a tracing from a planetable sheet covering the same area, and made by the Field Party. The detail was transferred from the plane table sheet to Sheet T-8489 by a draftsman in the Tampa Photogrammetric Office.

An insert of Boca Grande Key was added to Sheet T-8489. This insert was shown on the back of the plane table sheet. Triangulation Station Boca Grande 2, 1911 was lost, therefore, ^(Topo.) the reference mark for that station is shown on the survey sheet. The plane table sheet made by the Field Party and recent nine lens photographs of the same area do not compare favorably. There are discrepancies in the shoreline, vegetation; also, the photographs show a pond in the center of Boca Grande Key which is not shown by the plane table sheet.

Photographs were furnished by the Washington Office for checking the detail of the topography by adjusting to previously compiled topographic features.

Respectfully submitted by

Marie R. Blake
Marie R. Blake, Jr. Engineering
Draftsman

Approved and Forwarded by

Kenneth G. Crosby
Kenneth G. Crosby, Chief of Party

Remarks

Decisions

	Remarks	Decisions
1		245 8I8
2		245 8I9
3		" U.S.G.B
4		"
5	off the limits of this Quad.	"
6		"
7		"
8		"
9		"
10		"
11		245 8I8
12		246 8I9
13		"
14	in place of Straits of Florida.	
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GEOGRAPHIC NAMES

Survey No. T 8489

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
<u>Crawfish Key</u>	✓										1
<u>Joe Ingrams Key</u>	✓										2
<u>Barracouts Key</u>	✓										3
<u>Man Key</u>	✓										4
<u>Straits of Florida</u>											5
<u>Ballast Key</u>	✓										6
<u>Woman Key</u>	✓										7
<u>Boca Grande Key</u>	✓										8
<u>Little Mullet Key</u>	✓										9
<u>Big Mullet Key</u>	✓										10
<u>Archer Key</u>	✓										11
<u>Cottrall Key</u>	✓										12
<u>Gulf of Mexico</u>											13
<u>West Channel</u>											14
<u>"Boca Grande"</u>	Probable name of new Quadrangle										15
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Names underlined in red approved
by W. F. H. on 8-10-43

RECORDS

Between January, 1942 and July, 1944, this Bureau completed 323 quadrangles. These maps have been published, or are in the process of being published on scales of 1:31,680 or 1:25,000. This series of quadrangles includes a land area of approximately 15,000 square miles. Incident to this work, a considerable volume of survey records and data has accumulated which will be filed for future reference. This material is filed as follows:

Registered and Filed in the Vault.

Cloth-mounted copy of the published quadrangle.

Black and white cloth-mounted copy of the published quadrangle at 1:20,000 scale. This copy is filed to preserve original survey detail shown on the manuscript at 1:20,000 scale which may not have been shown on the published sheet. For woodland, refer to the published quadrangle for the finally adopted outlines.

Descriptive Report.

Filed in the Photogrammetric Division.

~~Field-inspection-photographs.~~

~~Contoured-photographs (on which planetable contouring work was performed.)~~

~~Field-edit-sheet.~~

~~Descriptions-of-recoverable-topographic stations (Form 524), filed in Review Section.~~

~~Supplementary-traverse-and-level records.~~

~~Field-notes, computations, lists of positions, and tabulations of results of horizontal and vertical accuracy tests.~~

Reproduction proof.

Correction sheet (copy of quadrangle showing in red changes to be made when next printed.)

Check lists of work performed on each sheet in the Washington Office during review, drafting, edit, and reproduction.

Copies of specifications and all instructions to field parties and field offices.

Filed in Reproduction Branch.

Glass negatives of the color separation drawings.

Filed in the Library.

Special report on office work by B. G. Jones, 1944.

Season's report on field work by Commander F. L. Gallen, 1944.

Season's report on field work by Commander R. L. Schoppe, 1944.

Delivered to the Army Map Service in accordance with the contract.

Film negatives and film positives of the color separation drawings.

All color separation drawings.

A correction sheet consisting of a copy of the first edition of the quadrangle with notes in red indicating changes desirable at the next printing.

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF AIR PHOTOGRAPHIC SURVEY T-

QUADRANGLE

This quadrangle manuscript has been examined for completeness, accuracy, and conformity with the specifications. It is adequate for smooth drafting, reproduction and publication. Revisions found to be necessary in this office are discussed on the next page.

Horizontal and Vertical Accuracy

No tests were made in this quadrangle.

Previous Surveys

This manuscript has been compared with the following previous topographic surveys of this Bureau and other agencies. This map is satisfactory to supersede the previous surveys over the common area.

T-301, 1850 1:10000
T-302, 1850 1:20000
T-319, 1851 1:20000
T-3225, 1911 1:20000

*There has been some receding of shore line.
T-8489 supersedes these old surveys in their common areas.*

Comparison with Nautical Charts Nos.

584, 1:30000
1257, 1:80000
1252, 1:80000

The manuscript has not been applied to the charts at the date of this review. The following comments are pertinent to the compilation and correction of nautical charts:

None

The following revisions of the map manuscript were found to be necessary and were accomplished as a part of this review:

None of consequence

Reviewed 31 July 1943 By Harlan E. Rice
under direction of D. H. Benson

Inspected by B. G. Jones

B.G. Jones 1/8/48

Examined and approved:

K.T. Adams
Chief, Surveys Branch,
Division of Photogrammetry

Chief, Topography Section

H. E. Rice
Chief, Div. of Charts
Northwest Coast Branch

C. F. Green
Chief, Div. of Coastal
Surveys