

# 8488

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

# 8488

<small>Form 504</small> <b>U. S. COAST AND GEODETIC SURVEY</b> DEPARTMENT OF COMMERCE  <b>DESCRIPTIVE REPORT</b>	
Type of Survey	<u>Topographic</u>
Field No.	Office No. <u>T - 8488</u>
<b>LOCALITY</b>	
State	<u>Florida</u>
General locality	
Locality	<u>Vicinity of Key West</u>
<u>194 3</u>	
CHIEF OF PARTY Comdr. <u>Ray L. Schoppe</u> (Field) Lieut. Comdr. <u>K.G. Crosby</u> (Office)	
<b>LIBRARY &amp; ARCHIVES</b>	
DATE	<u>January 7, 1948</u>

## DATA RECORD

T- 8488

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: Lieut. Comdr. K.G. Crosby

Instructions dated (II III):

*3 March, 1943*Copy filed in Descriptive  
Report No. T- (VI)*Div. Photogram. Office Files*

Completed survey received in office: \_\_\_\_\_

Reported to Nautical Chart Section:

Reviewed: *27 July 1943*

Applied to chart No.

Date:

Redrafting Completed: *20 Aug. 1943*Registered: *Jan 1945*  
~~2 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): LAKE 1935

Lat.: 24° 39' 18.883" (581.0m) Long.: 81° 32' 38.735" (1089.2m) Adjusted  
~~Unadjusted~~

State Plane Coordinates (VI): Florida (East Zone)

X = *319,302.28 ft.*Y = *117,329.53 ft.*

Military Grid Zone (VI) B



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) *5-lens for compilation of original planimetric maps T-5548, T-5547*

Field Inspection by:

date:

Field Edit by: G.E. Varnadoe, Prin 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 date:

Detailed by: Revision : Modesta G. Neilson date: May 1943  
Asst. Engr. Draftsman

Reviewed in compilation office by: J.A. Giles date: June 1943  
Asst. Photo. Engr.  
J.H.S. Billmyer  
Asst. Photo. Engr.

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

STATISTICS (III)

Land Area (Sq. Statute Miles): 13.0 (previously reported by Key West  
Photogrammetric Office in 1938)

Shoreline (More than 200 meters to opposite shore):  
(previously reported)

Shoreline (Less than 200 meters to opposite shore):

Number of Recoverable Topographic Stations established:

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:

The redline print portion of this sheet is from portions of  
T-5545 and T-5547 compiled by the Key West Photogrammetric Office  
in 1938.

General Procedure in the Production of Topographic  
Quadrangles for the War Department

*T-8488 Sugarloaf Key Fla*

This quadrangle, together with similar adjoining maps produced under Project C.S. 301, was prepared by the Coast and Geodetic Survey for the War Department under "General Specifications for War Department Mapping Program" issued about December 1941, in which is incorporated the "Standard of Accuracy for a National Map Production Program" issued by the Bureau of the Budget under date of June 10, 1941.

The general procedure in the production of this and the adjoining quadrangles was:

#### PREPARATION OF BASE MAPS

Assembly into quadrangle base sheets by photographic means of previously produced planimetric maps of the area. These maps were compiled by this Bureau from aerial photographs taken in 1935 and were published in 1938 on the scale of 1:20,000. Lithographic prints of the quadrangle base sheets on cloth-mounted paper were furnished to the field parties and similar prints in red ink on celluloid sheets were furnished to the compilation office.

#### FIELD SURVEYS

Aerial photography with the Coast and Geodetic Survey nine-lens camera, with airplane and flight crew furnished by the U. S. Coast Guard. The photographs were taken to the scale of 1:20,000.

Ground inspection of the photographs for identification of control points, and classification and clarification of planimetric details on the photographs. The field parties were permitted to make field inspection notes either on the photographs or on the planimetric base sheet.

Contouring by planetable, directly ~~on the photographs or on the planimetric base sheet at the option of the field party.~~ The contouring for this quadrangle was done on the



Supplementary vertical control was established by means of an extensive subordinate level net, furnishing unmarked elevations at road intersections, driveways, and numerous other points identifiable on the photographs.

#### COMPILATION OF MANUSCRIPT

Revision of the planimetric base map from the new photographs and addition of contours and corrections obtained by the field parties. No radial plot was made for this work.

*On this project, FIELD EDIT*

Comparison of a copy of the corrected manuscript with the ground. This included inspection for completeness and accuracy as well as the location by planetable methods of additional details, checking of nautical and aeronautical aids to navigation, etc.

Accuracy Tests - Application of systematic horizontal and vertical accuracy tests to check the maps for conformity with the specifications. These tests consisted of comparison of the map position and elevation of selected random points with the true position and elevation as independently determined by standard survey methods.

#### PROCESSING IN THE WASHINGTON OFFICE

Review - Examination of the manuscript for accuracy and completeness of compilation and compliance with specifications, correcting where necessary; addition of military and state grids and other special features; and verification of the general adequacy of the manuscript as a basis for the production of a finished map.

Drafting and Reproduction - Preparation of smooth color separation drawings on 1:20,000 scale on metal-mounted "blue-line" copies of the manuscript. From these drawings, negatives and printing plates were prepared for reproduction of the finished map on the scale of 1:31,680 or 1:25,000.

Sheet T-8488

General:

Sheet T-8488 is a revised quadrangle compiled from U.S.C. & G.S. planimetric sheets T-5545 and T-5547.

All revisions and additions were made by the field party on a metal mounted red line print of the previous compilations and then transferred by the draftsman in the Tampa Photogrammetric Office to the red line celluloid sheet T-8488.

Sheet T-8488 was compared with recent photographs covering the same area, and except for a few changes in the shoreline and a short 4th class road, the comparison was favorable. The changes were made by using the photographs and holding to the detail on the former compilations.

Respectfully submitted by

*Modesta Neilson*  
Modesta Neilson, Assistant  
Engineering Draftsman

Approved and Forwarded by

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

Remarks,

Decisions

	Remarks,	Decisions
1		246815
2		"
3		"
4		"
5		"
6		"
7		"
8		246814
9		246815
10		"
11		"
12		"
13		"
14		"
15		"
16		"
17		"
18		"
19		246816
20		"
21		"
22		"
23		247816
24		"
25		247815
26		"
27		"



GEOGRAPHIC NAMES

Survey No. T-8488

SUGARLOAF KEY quadrangle  
No. 1 Name on Survey

	A	B	C	D	E	F	G	H	K	
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
Sugarloaf Key	✓									1
Upper Sugarloaf Sound	✓									2
Lower Sugarloaf Sound										3
Perky	✓									4
Fivemile Creek	✓									5
Walls Key	✓									6
	(only part on this quad., balance to south of it)									
Pirates Cove	✓									7
	(settlement)									
Cudjoe Key	✓									8
Sugarloaf Channel	✓									9
Rattlesnake Lumps	✓									10
Draguez Key	✓									11
Happy Jack Key	✓									12
Happy Jack Mangrove	✓									13
Bill Finds Key	✓									14
Marjoe Key	✓									15
Galdin Key	✓									16
Park Key	✓									17
Saddlebunch Keys	✓									18
Old Finds Bight	✓									19
Inner Narrows	✓									20
Squirrel Key	✓									21
Turkey Basin	✓									22
	(partly on quad. to west, west of Galdin Key)									
Pigeon Key	✓									23
Barracuda Keys	✓									24
Johnston Key	✓									25
Johnston Key Channel		✓								26
Johnston Key Mangroves		✓								27

Remarks.

Decisions

	Remarks.	Decisions
1		247815
2		"
3		"
4		"
5		247814
6		247815
7		246815
8		
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10		Road Maps
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GEOGRAPHIC NAMES

Survey No. T-8488

No. 1

Name on Survey

	A	B	C	D	E	F	G	H	K
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
<u>Pumpkin Key</u>	✓								1
<u>Cudjoe Basin</u>	✓								2
<u>Tarpon Belly Keys</u> ✓	✓								3
<u>Cudjoe Channel</u> ✓	✓								4
<u>Budd Keys</u>	✓								5
<u>Little Swash Keys</u> ✓ (not Sawyer Key as on compilation)	✓								6
<u>Tarpon Creek</u>									7
<u>Gulf of Mexico</u>	✓								8
<u>Monroe County</u> ✓	✓								9
<u>U.S. Highway No. 1</u> ✓	✓								10
									11
									12
Pending approval by the U.S.G.S., use name Saddlebunch Keys for the quadrangle to south of this one, or T-8492.									13
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									27

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 by L. Heck on 8/11/43



## 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-8488

*October 1943*

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 made on 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.

Comparison with Nautical Charts Nos. 1251

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:

*Channel Beacon Nos. 39 & 62 were lost in 1938.  
Row of piling in Sugarloaf Channel above  
bridge not completely shown on Chart 1251.*



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

*No changes since planimetric sheets were made.*

Reviewed 27 July 1943 By D. H. Benson  
under direction of D. H. Benson *per L.T.S.*

Inspected by B. G. Jones *B.G. Jones 1/48*

Examined and approved:

K. T. Adams  
Chief, ~~Survey Branch~~  
*Division of Photogrammetry*

~~Chief, Topography Section~~

J. H. [Signature]  
Chief, Div. of Charts  
*Nautical Chart Branch*

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