

4939

4939

Form 504 Rev. Dec. 1933 DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, Director	
DESCRIPTIVE REPORT	
Topographic } Hydrographic	Sheet No. 585
State	Florida
LOCALITY	
Dry Tortugas	
Pulaski Shoal to Loggerheads Key	
193 8	
CHIEF OF PARTY	
E. R. McCarthy	

Applied to chart 585
" " " 1351

Feb 28, 1938 J.H.O.
Jan. 26, 1939 F.M.A.

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. 585

REGISTER NO. T-6567

T 1939

State Florida

General locality Dry Tortugas

Locality Pulaski Shoal to Loggerheads Key

1 : 10,000

Scale 1 : 30,000 Date of survey Feb. 2, 1938, 192X

Vessel

Chief of Party E. R. McCarthy

Surveyed by E. R. McCarthy

Inked by

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated, 192

Remarks: Title Sheet & D. R. Cover executed in Office.

~~Surveying notes constitute the D. R. herewith.~~

POST-OFFICE ADDRESS: Box 10, Key West, Fla.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

1938 FEB 17 PM 3 31

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

February 15 1938.

Rec. 2-18-38

40 KTA
83

To- The Director,
U. S. C. & G. Survey,
Washington, D. C.

From* Lt (jg) E. R. McCarthy,
U. S. C. & G. Survey,
Key West, Fla.

Subject- Chart Revision-Chart 585 Dry Tortugas.

There is enclosed a copy of Chart 585 on which several corrections have been made in red in order to bring the topographic areas of the chart up to date. The corrections are only approximate but are a better index to the present conditions than those shown on the chart. The tangents of the various keys were cut in by theodolite from the old tower on Garden Key and from Dry Tortugas Light on Loggerhead Key. The areas were sketched from a boat off the various keys using the cuts as a guide.

EAST KEY

The key is subject to change but, in general, seems to have changed but little in the last ten years. It is covered with a dense growth of grass and some shrubs

MIDDLE KEY

The key washed out about July 1937 and is now building up again. It is little more than a sand bar and, local information states that it constantly changes.

HOSPITAL (SAND) KEY

The key is subject to some change. At present it is largely sand with a growth of ^{grass} and shrubs in the center. Local information states that the name of Hospital Key is favored over Sand Key. In that Sand Key is a rather common name it is recommended that the name Hospital Key be charted.

BIRD KEY

This key has entirely disappeared and there is no indication that it is building up again. It is recommended that it be removed from the chart and that ~~the~~ The name Bird Key Bank be charted. *Smooth sheet shows sand bank*

plus this bank extreme low water. low tides

BUSH KEY

This key is erroneously charted as Long Key. Local information at the Fort and the Light both agree that the name Bush Key is correct and it is recommended for charting. The key shows a considerable change in size and shape as it now extends westward to the channel. It is thickly covered with a growth of grass and shrubs and appears to have undergone little change in the last ten years. The outlines are approximate only.

LONG KEY

This key is erroneously charted as Bush Key and the change is recommended for the reasons stated above. The key is little more than a sand and coral bar and is subject to considerable change.

LOGGERHEAD KEY

This key is relatively stable. The lightkeepers state that the north and south points change with the wind. The key is covered with a growth of grass, shrubs, pine and cocopalms as indicated on the chart. The pine was planted as a shelter for the lighthouse and is at least 40' high. A pier on either side of the key is indicated and the lightkeepers house is shown in more nearly relative correct position. The Carnegie Institute maintains a rather large experimental laboratory on the north section of the key.

GARDEN KEY

There is little change here. The Navy coal sheds and piers are in ruins.

FULASKI SHOAL

The true position of the light plots to the northeast of the shoal. In order that the chart be not misleading it is recommended that the sanded area be extended eastward as shown. The light is located on the east side of the shoal close by the point where it bends to the southwest in 12' of water.

*Hand correction
made on Chart
from triangulation
data.*

The data for names was obtained from the lightkeepers at Dry Tortugas Light and the caretaker at Fort Jefferson.

E. R. McCarthy

E. R. McCarthy
Chief of Party

80-DRM

February 18, 1938.

To: Lieutenant (j.g.) E. R. McCarthy,
U. S. Coast and Geodetic Survey,
Box 10,
Key West, Florida.

From: The Acting Director,
U. S. Coast and Geodetic Survey.

Subject: Chart revision - Chart No. 585, Dry Tortugas, Florida.

Receipt of your letter of February 15, 1938, with an enclosed copy of chart No. 585 on which corrections have been shown to bring the topographic data up to date, is acknowledged.

For your information, the corrected chart copy will be registered as a topographic survey and your letter and lists of horizontal directions filed as a descriptive report, since it is probable that it will be considerable time before more adequate data in this area are obtained by thorough surveys.

Acting Director.

HORIZONTAL

STATION: Loggerhead STATE: FLA

OBSERVER: ERM

11-527

OBJECTS OBSERVED	TIME L. M.	TEN. D OR R	REF'S	ANGLE ° /
Old Tower		D	0	0-00
Log-Key { SPT				131-70
{ N.P.T				308-32
Hos Key {				339-38
				370-52
MID KEY {				341-52
				342-12
EAST KEY {				343-42
				344-50

ANGLES

ISLAND OR
COUNTY:

DATE:

INSTRUMENT:

A	B	MEAN OF VERNIER	ANGLE MEAN D AND R	REMARKS
//	//		0 7 //	

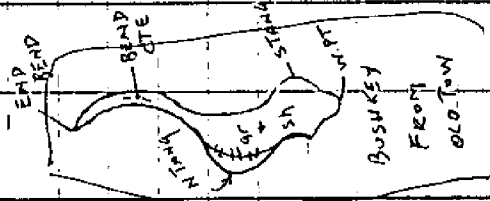
DO NOT WRITE IN THIS SPACE

HORIZONTAL

STATION: GARDEN KEY ~~FF~~ - OLD TOWN STATE: FLA

OBSERVER: E. R. M.

OBJECTS OBSERVED	TIME L. M.	TERR. OR R.	REF'S	ANGLE O ' "
LOGGERS HEAD KEY LT			D	0-00
N. COCO ENDS				1-05
COCO BEG				2-03
COCO END - PINE BEG				2-52
PINE END				3-55
N. END KEY				6-16
HOSPITAL KEY				124-22
MIDDLE KEY				127-00
EAST KEY				144-22
BUSH				144-43
LONG KEY - N. TANG				152-70
W. POINT				154-25
S TANG				153-10
BEND CTR				174-22
END BEND				175-08
SML SAND KEY				173-00
				169-45
				175-10
				176-55
				182-00
				194-20



Remarks.

Decisions

1		
2		
3		<i>Almost completely washed away</i>
4		
5		
6		
7		
8		
9		<i>Not a Geog. Name</i>
10		
11		
12	<i>Bird Key Bank Recommended by Field Party</i>	<i>No longer in existence</i>
13		
14	<i>"Dry Tortugas Lt" on Loggerhead Key U.S. Lt List.</i>	
15		
16	<i>see Bird Key Bank above</i>	
17		
18	<i>No Key in existence</i>	
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. T-4939

Name on Survey	Source									
	A	B	C	D	E	F	G	H	K	
<u>Pulaski Shoal</u>	✓		✓	✓				✓		1
<u>East Key</u>	✓	✓		✓					✓	2
<u>Middle Key</u>	✓			✓					✓	3
<u>Hospital Key</u>	sand Key	Hospital Key	Hospital Key	✓					sand K	4
<u>Bush Key</u>	Long Key	Long Key		✓						5
<u>Long Key</u>	Bush Key			✓						6
<u>Bush</u> <u>Long Key Shoal</u>	✓									7
<u>Iowa Rock</u>	✓	H-2348								8
<u>Middle Ground</u>		✓								9
<u>Garden Key</u>	✓		✓							10
<u>Bird Key Harbor</u>	✓								✓	11
<u>Bird Key Bank</u> Bird Key	✓	✓								12
<u>White Shoal</u>	✓									13
<u>Loggerhead Key</u>	✓	✓		✓				✓		14
<u>Southeast Channel</u>	✓	H-2348	✓						✓	15
<u>Bird Key Flats</u>			✓							16
<u>Southwest Channel</u>	✓	H-2348	✓						✓	17
<u>Loggerhead Reef</u>	✓		✓							18
<u>Southwest Key</u>	✓									19
<u>Brilliant Shoal</u>	✓	H-2349								20
<u>Texas Rock</u>	✓	H-2349								21
<u>Northwest Chan</u>	✓									22
<u>Tortugas Bank</u>	✓								✓	23
* H.R. 9127 75 th Cong. 3 ^d Session Jan. 24, 1938										24
A bill to extend the boundaries of the Fort Jefferson National Monument, Florida										25
<u>Tortugas Harbor</u>	✓	H-2245							✓	26
<u>Northkey Harbor</u>	✓									27
<u>Fort Jefferson</u>		✓								M 234

Names underlined in red approved
by *gjk* on 2/26/38

On Chart No. 585
On previous survey No. T-1410
On U.S. Quadrangle Maps H.R. 9127*
From local information (see D.R.)
On local Maps
P. O. Guide or Map
Rand McNally Atlas
U. S. Light List
VSCP

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT
 PHOTOSTAT OF

~~No. T-4939~~
 No. T-4939

received Feb. 10, 1938
 registered Feb. 25, 1938
 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	T. B. Reed
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✓

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4939 (1938) FIELD NO. 585

RECONNAISSANCE

Pulaski Shoal to Loggerheads Key, Dry Tortugas, Florida.
Surveyed February 8, 1938, Scale 1:10,000 and 1:30,000

Chief of Party - E. R. McCarthy.
Surveyed by - E. R. McCarthy.

1. Purpose of Survey.

The revision information contained on the present survey was submitted on a copy of Chart 585 (New Print dated April 24, 1936). This information, however, is of such a detailed and comprehensive nature that the work has been registered as a topographic sheet. (See Director's letter dated Feb. 18, 1938, attached to Descriptive Report.)

2. Results of Survey.

The present survey shows general changes in the position, shape and character of various charted keys, banks and building structures originating with T-1410 (1875), H-2348 (1897-1898), H-2349 (1897-98) and Bp. 18702 (1905), the more important of these being discussed in detail in the Descriptive Report, pages 1 and 2. The present survey, while adequate for charting, cannot be classed as a standard topographic survey (see par. 1 Descriptive Report) but as a reconnaissance survey only and it has so been registered.


3. Aids to Navigation.

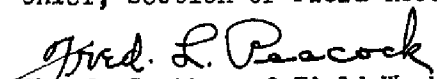
Pulaski Shoal light, located in lat. $24^{\circ} 41' 6''$, long. $82^{\circ} 46' 4''$, agrees with the latest charted position. The latter is based on a ^{hand-}correction made from 1938 triangulation data. It satisfactorily marks the feature intended.


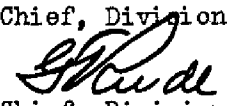
4. Reviewed by Harold W. Murray, March 8, 1938.

Inspected by A. L. Shalowitz.

Examined and approved:


T. B. Reed,
Chief, Section of Field Records.


Fred. L. Peacock,
Chief, Section of Field Work.


K.T. Adams
Chief, Division of Charts.

G. H. de
Chief, Division of H. & T.