

6361

U. S. COAST & GEODETIC SURVEY  
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Form 504  
Rev. April 1935  
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

**DESCRIPTIVE REPORT**

~~Topographic~~ } Sheet No. H-6361  
Hydrographic }

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State Maryland

LOCALITY

Chesapeake Bay

Bohemia River

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1938

CHIEF OF PARTY

F. L. Gallen

U. S. GOVERNMENT PRINTING OFFICE

CP1

6361

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

HYDROGRAPHIC TITLE SHEET

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. ~~H-6361~~ 1005

REGISTER NO. H-6361

State Maryland

General locality Chesapeake Bay

Locality Bohemia River

Scale 1:10,000 Date of survey September, 1938

Vessel Launch MIKAWA

Chief of Party F. L. Gallen

Surveyed by J. C. Partington

Protracted by J. C. Partington

Soundings penciled by J. C. Partington

Soundings in ~~fathoms~~ feet

Plane of reference M.L.W.

Subdivision of wire dragged areas by

Inked by J. A. McCormick

Verified by J. A. McCormick

Instructions dated March 31, 1938

Remarks:

## DESCRIPTIVE REPORT

To Accompany Hydrographic Sheet H-6361

INSTRUCTIONS \* March 31, 1938, Project HT-215, Maryland.

### SURVEY METHODS

The hydrography on this sheet was done by visual fix and depths measured with hand lead line using an 8 pound lead. Two boats were used for sounding. The deeper water was sounded with a 30 foot gasoline launch and the shoaler water was sounded with a 20 foot skiff, powered by two 9 H.P. outboard motors. In general, lines were run by ranges on shore objects.

### SIGNALS

The smooth sheet and boat sheet were printed in the Washington Office from the air photographic map. Triangulation stations and air photographic stations were printed on the sheet and signals were built at these locations.

Two hydrographic stations were built and located, namely Jug and Bix. Jug was located by a range and taped distance from signal Tey. Bix was located by a sextant fix with check angle on air photographic stations. Both signals are temporary stakes.

<sup>Section A</sup> This sheet joins <sup>Section B</sup> its ~~insert~~ at Longitude  $75^{\circ} 51'$ . The small red circles in this vicinity were transferred by tracing paper in order to plot the hydrographic fixes.

The positions of signals Boy, Man, Rex, Log and Hut were plotted on this sheet and then transferred to sheets H-6363 and H-6360. None of these signals was used in the hydrography of this sheet.

### DANGERS

The one fathom curve extends about 270 meters north of Battery Pt. and about ~~340~~<sup>300</sup> meters north of Long Pt. Boats entering the Bohemia River should favor the north shore until abeam of Long Pt. and then steer mid-stream courses.

### COMPARISON WITH PREVIOUS SURVEYS

Survey No. 2367a shows a  $6\frac{1}{2}$  foot sounding in Lat.  $39^{\circ} 28.78'$ , Long.  $75^{\circ} 55.15'$  and five  $6\frac{3}{4}$  foot soundings in Lat.  $39^{\circ} 28.74'$ , Long.  $75^{\circ} 55.35'$ . A depth of 7 feet was obtained on this sheet in these localities.

The dock shown on survey 2367a in Lat.  $39^{\circ} 29.1'$ , Long.  $75^{\circ} 54.8'$  is no longer in existence.

The depth curves on the boat sheet agree, in general, with those on survey H-2433. The depths found in the upper Great Bohemia Creek

are shoaler than shown on H-2433. This creek was sounded at the time of a minum  $\frac{1}{2}$  foot tide so that the channel was well defined. Great Bohemia Creek has shoaled considerably since the date of survey H-2433. A comparison of H-2433 with the boat sheet shows that Little Bohemia Creek has shoaled since the date of H-2433.

GEOGRAPHIC NAMES

All of the geographic names of this area, which are shown on chart 1226 are in local use and appear to be correct. The only additional name in local use is Devils Elbow in the upper part of Great Bohemia Creek. This name is used by the inhabitants along the shore of the creek to designate the sharp bend in this creek.

DISCREPANCIES

No discrepancies are known to exist on this sheet.

Approved and forwarded.

*F. L. Gallen*

F. L. Gallen  
H. & G. Engr.  
Chief of Party

Submitted by,

*J. C. Partington*  
Jr. H. & G. Engineer

STATISTICS

Day Letter	Statute Miles	Soundings	Positions
a	24.8	687	121
b	20.9	701	113
c	10.9	424	80
d	18.5	648	120
e	15.5	700	87
f	3.7	177	30
g	1.2	89	19
h	11.4	366	82
	<hr/>	<hr/>	<hr/>
	106.9	3792	652

Field Records Section (Charts)

**H6361**

HYDROGRAPHIC SHEET NO. ....

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	..652
Number of positions checked	.....5
Number of positions revised	.....0
Number of soundings recorded	.....3792
Number of soundings revised	.....7
Number of soundings erroneously spaced	.....0
Number of signals erroneously plotted or transferred	.....0

Date: Dec. 21, 1939.

Verification by } J.A. McCormick  
Review by

Time: 30 hr.

Time: 4 hr.

HYDROGRAPHIC SURVEY NO. 6361

Smooth Sheet Yes

Boat Sheet Yes

Records; Sounding 3 Vols., Wire Drag     Vols., Bomb     Vols.

Descriptive Report Yes

Title Sheet Yes

List of Signals Vol.#1

Landmarks for Charts (Form 567) Yes

Statistics Yes

Approved by Chief of Party Yes

Recoverable Station Cards (Form 524) ---

Special Chart for Lighthouse Service Yes  
(Circular Nov.30, 1933)

Hydrography: Total Days 8 ; Last Date Sept. 29, 1938

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Remarks

Decisions

	Remarks	Decisions
1		395759
2		394759
3		394759
4		394759
5		394758
6		394759
7		394758
8		394758
9		394758
10		394758
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15		394758
16		394758
17		394758
18		394758
19		394759
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24		
25		
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27		

# GEOGRAPHIC NAMES

Survey No. **N-6361**

Name on Survey	Source										
	A	B	C	D	E	F	G	H	K		
<u>Old Town Point Wharf</u> ✓											1
<u>Town Point</u> ✓											2
<u>Bohemia River</u> ✓											3
<u>Rich Point</u> ✓											4
<u>Stony Point</u> ✓											5
<u>Battery Point</u> ✓											6
<u>Manor Creek</u> ✓											7
<u>Long Point</u> <del>XXXXXXXXXX</del>											8
<u>Old Mack Point</u> ✓											9
<u>Greenbrier Point</u> ✓											10
<u>Little Mack Point</u> ✓											11
<u>Free School Point</u> ✓											12
<u>Scottman Creek</u> ✓											13
<u>Great Bohemian Creek</u> ✓											14
<u>Georges Point</u> ✓											15
<u>Little Bohemian Creek</u> ✓											16
<u>Devils Elbow</u>											17
<u>Morgan Creek</u> ✓											18
<u>Veazey Cove</u> ✓											19
											20
											21
											22
											23
											24
											25
											26
											27

Names underlined in red approved  
by L. Heck on 5/3/39

Smooth sheet No. H-6361 was plotted under the immediate supervision of the Chief of Party. The sheet and records have been inspected and are approved. ✓



F. L. Gallen  
H. & G. Engineer  
Chief of Party

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TIDE NOTE FOR HYDROGRAPHIC SHEET

May 2, 1939.

Division of Hydrography and Topography:

✓ Division of Charts: Attention: Mr. E. P. Ellis

Plane of reference

~~Tide Reductions~~ approved in  
3 volumes of sounding records for

HYDROGRAPHIC SHEET 6361

Locality Bohemia River, Chesapeake Bay, Md.

Chief of Party: F. L. Gallen in 1938  
Plane of reference is mean low water reading  
0.9 ft. on tide staff at Town Point Wharf  
5.8 ft. below B.M. 3 (U.S.E.D.)

Height of mean high water above plane of reference is 2.1 feet at Town Point.

Condition of records satisfactory except as noted below:

*Ham*  
Acting Chief, Division of Tides and Currents.

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT  
~~PHOTOSTAT OF~~

} No. H-6361  
~~No. 1~~

{ received April 10, 1939  
 registered April 13, 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			
24			
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30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	T. B. Reed
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*✓ JBR*

Section of Field Records

REVIEW OF HYDROGRAPHIC SURVEY NO. 6361 (1938) FIELD NO. 1005.

Bohemia River, Chesapeake Bay, Maryland  
Surveyed in Sept., 1938, Scale 1:10,000  
Instructions dated Mar. 31, 1938 (MIKAWA)

Hand Lead Soundings.

3 Point fixes on shore signals.

Chief of Party - F. L. Gallen  
Surveyed by - J. C. Partington  
Protracted by - J. C. Partington  
Soundings plotted by - J. C. Partington  
Verified and inked by - J. A. McCormick

1. Shoreline and Signals.

Shoreline and radially plotted signals are from topographic maps T-5654, T-5655 and T-5656. Fixes used in the location of hydrographic signals are recorded in the sounding volumes.

2. Depth Curves.

Satisfactory.

3. Sounding Line Crossings.

Satisfactory.

4. Junctions with Contemporary Surveys.

The junction with H-6363 (1938) on the west will be considered in the review of that survey.

5. Comparison with Prior Surveys.

a. H-170 (1846), 1:10,000; H-172 (1846), 1:10,000.

Combined, these surveys include most of the area covered by the present survey. Depths on the old surveys are in fair to poor agreement with those on the present survey, the poor agreement being particularly noticeable in depths over 10 feet and in the creeks. The present survey supersedes the old surveys in the common area.

b. H-2367 (1898), 1:10,000; H-2367a (1902), 1:10,000;  
H-2433 (1899), 1:10,000.

This group of surveys covers the area of the present survey. Agreement of depths with those on the present survey is slightly better than that of the 1846 surveys, but it is evident that there have been many natural changes in

the soft, grassy bottom of the creeks. The present survey supersedes the old surveys in the common area.

6. Comparison with Chart 1226 (New Print of Sept. 8, 1939).

Hydrography charted in the area covered by the present survey is from surveys discussed in the foregoing paragraphs.

7. Condition of Survey.

Satisfactory.

8. Compliance with Instructions for the Project.

Satisfactory.

9. Additional Field Work Recommended.

None.

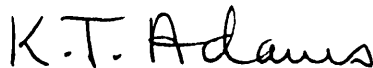
10. Reviewed by - J. A. McCormick, December 21, 1939.

11. Inspected by - H. R. Edmonston.

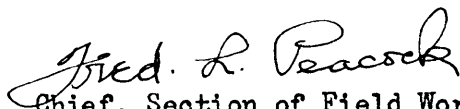
Examined and Approved:



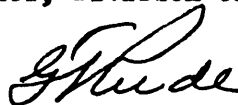
T. B. Reed,  
Chief, Section of Field Records.



Chief, Division of Charts.



Chief, Section of Field Work.



Chief, Division of H. & T.

Applied to C.A. 572 - May 1940. J.S.G.