

WIRE DRAG 6979

WIRE DRAG
6979

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	Wire drag
Field No.	1344
Office No.	H-6979
LOCALITY	
State	Maine
General locality	Sheepscot River
Locality	Upper portion & Ebenecook Harbor
1944	
CHIEF OF PARTY	
L. C. Johnson & John H. Brittain	
LIBRARY & ARCHIVES	
DATE	JUL 20 1945

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

REG. NO.

WIRE DRAW
H6979

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. 1344

REGISTER NO. H - 6979

State Maine

General locality Sheepscoot River

Locality Upper portion and Ebenescook Harbor

Scale 1:10000 Date of survey July 14 & Aug. 10, 1944

Vessels WAINWRIGHT & HILGARD

Chief of Party L. C. Johnson & John H. Brittain

Surveyed by L. C. Johnson & John H. Brittain

Protracted by M. E. Byrd

Soundings penciled by M. E. Byrd

Soundings in fathoms feet

Plane of reference Mean low water

Subdivision of wire dragged areas by M. E. Byrd

^{ok} Inked by M. E. Byrd

Verified by R. D. Goodrich

Instructions dated 3/11/42; 3/16/43; 3/11/44, 19

Remarks: This sheet was processed in the Hydrographic Section of the S. E. District, Norfolk, Va.

DESCRIPTIVE REPORT

to accompany

SHEET 1344, WIRE DRAG

H - 6979

AUTHORITY:

This wire drag survey was executed under Supplemental Instructions, Project CS-265, dated March 11, 1942, March 16, 1943, and March 11, 1944.

LIMITS:

This sheet comprises a wire drag survey of the upper Sheepscot River from vicinity of Wiscasset, Maine, south to Cross River, and on the insert, a survey of part of Ebenecook Harbor.

METHODS:

The wire drag was done with the WAINWRIGHT and HILGARD as drag launches and Launch 101 as the tender.

Standard dual control methods were used. The drag strips were controlled by three point sextant fixes on shore signals. Lift was determined on each section of the drag by tests taken from the tender, using a graduated rod coated with a mixture of white lead and tallow, and suspended from a float by means of a graduated stranded 1/8" wire.

CONTROL:

Stations located on Air-Photographic Map Drawings, as shown on Hydrographic Sheets, furnished adequate control. As the boat sheet was not available for Ebenecook, the names of the stations will not all agree with the ones used for the hydrography. (Hydro. names added)

COMPARISON WITH HYDROGRAPHY & CHARTED SOUNDINGS:

In the upper Sheepscot River, a 26 foot sounding is charted in the NARROWS, southeast of Wiscasset. This limited the drag depth, and an effective depth of 25½ feet was obtained through this passage. Otherwise drag depths of 38 feet and over were obtained.

At position 28A the drag was V'd by about 6 lobster pots (strip ended) hanging on bottom wire. The buoys of these pots were water-logged and were towed under by the slight current as the strip was started just before slack water.

In Ebenecook Harbor, the drag hung on the charted 18 foot sounding, northeast of Dogfish Head. The effective depth at time of hanging was 18 feet. The shoal was hung again at 17½ feet and 15 feet. A sounding of 14 feet reduced to mean low water was obtained at the last hanging. The shoal was finally cleared at 12½ feet. Much kelp was encountered by the drag on this rock.

TIDES: Tide reducers from gage at Boothbay Harbor without time or height correction were used to reduce drag depths to mean low water, in Ebenecook Harbor, while a tide gage was established at Wiscasset, Maine, to furnish reducers for the Upper Sheepscot River area.

L. C. Johnson
L. C. Johnson

John H. Brittain
John H. Brittain

STATISTICS

for

SHEET 1344

<u>Date</u>	<u>DayLetter</u>	<u>Positions</u>	<u>No. Soundings</u>	<u>Statute Miles Drag Strip</u>
July 14, 1944	A	67	0	6.7
Aug. 10, 1944	B	39	2	2.6
<hr/>				
Totals		106	2	9.3

Area covered: 1.1 square statute miles.

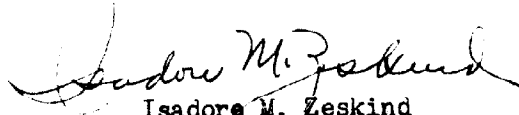
A D D E N D U M

to accompany

H-6979 (Field No. 1344)

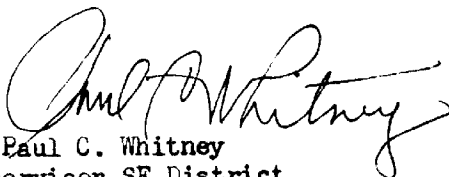
This sheet was processed in the Hydrographic Section of the
Southeastern District, Norfolk, Virginia.

Respectfully submitted,


Isadore M. Zeskind
Cartographic Engineer

Norfolk, Va.
July 17, 1945

Approved & Forwarded


Paul C. Whitney
Supervisor SE District

GEOGRAPHIC NAMES

Survey No. **H6979**

WIRE DRAG

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>Sheepscot River</u>								U.S.G 3	1 ✓
<u>Ebenecook Harbor</u>								"	2 ✓
<u>Cross River</u>									3 ✓
<u>WISCASSET</u>									4 ✓
<u>Southport Island</u>									5 ✓
<u>Dogfish Head</u>									6 ✓
<u>Narrows</u>									7 ✓
									8
									9
									10
									11
									12
									13
<u>Portland</u>									14
<u>Boothbay Harbor</u>									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

Names underlined in red by L. Heck on 3/5/46

(location of tide staffs)

Surveys Section (Chart Division)

HYDROGRAPHIC SURVEY NO. **H6979**

Records accompanying survey:

Boat sheets ..1.; sounding vols. .2...; wire drag vols. 2....;
 bomb vols.; graphic recorder rolls;
 special reports, etc.
1. A & D Sheet

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

Number of positions on sheet	106.
Number of positions checked	..9..
Number of positions revised	...2...
Number of soundings recorded	...2...
Number of soundings revised (refers to depth only)	...0...
Number of soundings erroneously spaced
Number of signals erroneously plotted or transferred	...0...
Topographic details	Time ..2..
Junctions	Time ..4..
Verification of soundings from graphic record	Time

Verification by *R. D. Goodrich*... Total time 22 hrs Date Feb. 8, 1946

Review by *G. F. Jordan*..... Time ..8.. Date Feb. 15, 1946

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF HYDROGRAPHIC SURVEY

REGISTRY NO. 6979 W.D.

FIELD NO. 1344

Maine, Sheepscot River, Upper Portion and Ebenecook Harbor
Surveyed in July and August 10, 1944 Scale 1:10,000
Project No. CS-265

Soundings:

Dual Control:

Hand lead

Chief of Party - L. C. Johnson and John H. Brittain
Surveyed by - L. C. Johnson and John H. Brittain
Protracted by - M. E. Byrd
Inked by - M. E. Byrd
Verified by - R. D. Goodrich
Reviewed by - G. F. Jordan, Feb. 15, 1946
Inspected by - H. W. Murray

1. Shoreline and Signals

The shoreline and signals originate with air photo manuscripts T-5985, T-5986, and T-5987.

2. Adjoining Wire Drag Surveys

Satisfactory junctions were effected with H-6923 (1943) WD in the west entrance to Ebenecook Harbor and in Sheepscot River at Cross River.

3. Comparison with Contemporary Hydrographic Surveys

a. H-6838 (1943)

This hydrographic survey is adequately covered without conflict by the present survey in the Sheepscot River area between Cross River and Wiscasset.

b. H-6839 (1943)

Ebenecook Harbor and its west entrance are satisfactorily covered by wire drag on the present survey.

4. Comparison with Chart 230 (Print of November 3, 1945)
Chart 314 (Print of July 14, 1944)

There are no conflicts between the depths on charts 230 and 314,
and effective drag depths on the present survey.

5. Condition of the Survey

The sounding records, descriptive report, and smooth plotting are
satisfactory.

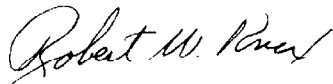
6. Compliance with Instructions

Satisfactory.

7. Additional Work

No additional work is recommended.

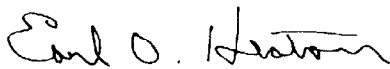
Examined and approved:



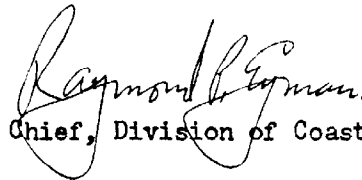
Chief, Nautical Chart Branch



Chief, Chart Division



Chief, Section of Hydrography



Chief, Division of Coastal Surveys

24

TIDE NOTE FOR HYDROGRAPHIC SHEET

September 4, 1945.

~~Division of Hydrography and Topography:~~

Division of Charts: Attention: H. W. MURRAY

Plane of reference approved in
4 volumes of sounding records for
wire drag

HYDROGRAPHIC SHEET 6979

Locality Sheepscot River, Maine

Chief of Party: L. C. Johnson & J. H. Brittain in 1944

Plane of reference is mean low water, reading

8.6 ft. on tide staff at Portland

19.0 ft. below B. M. 31

2.4 ft. on tide staff at Boothbay Harbor

13.2 ft. below B. M. 6

Height of mean high water above plane of reference is 8.9 feet.

Condition of records satisfactory except as noted below:

C. H. Gnan

Chief, Division of Tides and Currents.

