

FE 123

WIRE DRAG

Diagram No. 1203-3

NOAA FORM 76-35A

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

(HYDROGRAPHIC)

Type of Survey Wire Drag

Field No.

Office No. FE-123WD

LOCALITY

State Maine

General Locality .. Coast. of Maine

Locality Rockland Harbor

1954

CHIEF OF PARTY
E. B. Brown

LIBRARY & ARCHIVES

DATE June 22, 1954

☆ U.S. GOV. PRINTING OFFICE: 1976-669-441

NOTE: A new system for registering Field Examinations (FE's) was established in 1980. All FE's are now consecutively numbered as shown hereon. The date shown in the new format is the actual date of survey. This material was previously registered as;

FE No. 2 1954WD

FE 123
WIRE DRAG

FE No. 2 1954 WIRE DRAG

FE-123WD

Diag. Cht. No. 1203-3

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC
Wire Drag
Field No. Office No. F.E. NO. 2,
1954

LOCALITY

State MAINE
General locality COAST OF MAINE
Locality ROCKLAND HARBOR

194 54

CHIEF OF PARTY

E. B. Brown

LIBRARY & ARCHIVES

DATE June 22, 1954

B-1870-1 (1)

FE No. 2
1954
WIRE DRAG

FE 2(1954)
CC to ~~83~~
23

SHIPS WAINWRIGHT & HILGARD

COAST & GEODETIC DEPARTMENT OF COMMERCE
SURVEY U. S. COAST AND GEODETIC SURVEY

Post Office Box 417,
Rockland, Maine

POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

JUN 1 AM 11:01

25 May 1954

ADDRESS:

To: Director
U. S. Coast and Geodetic Survey
Department of Commerce Building
Washington 25, D. C.

Subject: Special Report, Investigation of Reported Obstruction

Ref.: Directors letter dated 28 April 1954, 22/MEK, S-1-W&H

Field work was conducted in Rockland Harbor, Maine, in accordance with the reference, on 19 April, 30 April, and 7 May. Wire drag work was done using the Ships WAINWRIGHT and HILGARD as guide and end launch respectively. Launch 171 was used as the tender. Hydrography was accomplished with launch 171.

Tidal data for wire drag were obtained from readings on the tide staff at the Coast Guard Pier, Rockland, Maine. This staff was leveled by personnel of the Ship STIRNI. The records are being forwarded under separate cover. Tidal data for hydrography were taken from predicted tide curves as no readings of the tide staff were obtained. A comparison between predicted and observed tides taken later in the day indicate that the predicted tides are essentially correct for this period.

Fathometer 53-S was used in launch 171 during the investigation. An initial setting of 0.0 feet was used throughout. From previous bar check records this necessitates a correction of 0.5 feet to all soundings taken by fathometer.

Standard visual fix and wire drag plotting methods were used throughout the investigation.

The investigation was made using copies of Chart No. 320 as boat sheets and replotted on planimetric map T-8009 upon receipt of same. Control used for visual fixes were charted landmarks such as lighthouses, day beacons, and church spires.

All tender record data and hydrography accomplished by launch 171 were transferred to the guide launch record book in the appropriate color. All end launch data were also transferred to the guide launch record in the appropriate color.

From the results of the investigation it is concluded that there is no obstruction at the location reported by the Coast Guard. That point was cleared with the drag at an effective 17 feet. The results of this investigation are in agreement with the previous survey No. H-7831.

The charted 14-foot sounding at Latitude $44^{\circ}06'14''$, Longitude $69^{\circ}05'40''$ was verified by the investigation and could have been the obstruction on which the Coast Guard vessel grounded.

14 ft. revised to 15 ft. on H-7831 (1950) See pg 6 of Review.

This 14-foot sounding is the southern limit of shoal water near the fairway between the Coast Guard and other piers and the entrance channel. It is recommended that this point be buoyed in the interest of safety to future navigation.

The 13-foot ^{grounding} sounding reported by letter of 19 April 1954 at Latitude $44^{\circ}06'20''$ Longitude $69^{\circ}05'46''$ reduced to 12-feet when observed tides were used. ~~It is recommended that this 12-foot sounding be charted as such.~~

It is recommended that the 14ft grounding be charted.

6/26/54
E. B. Brown
CDR, USC&GS
Chief of Party

Published in H.O.N.M. 26 but Not boldfaced

per. W.A.B.
JFR

COAST & GEODETIC SURVEYS
1954 JUN 1 AM 11:01

JBN /EBB/rog

cc: Sup. NED
OIC HILGARD

839 RAC

TIDE NOTE FOR HYDROGRAPHIC SHEET

~~Division of Coast and Survey~~

13 July 1954

Division of Charts: R. H. Carstens

Plane of reference approved in
2 volumes of ~~sounding records for~~ wire drag records for

HYDROGRAPHIC SHEET

FE No. 2 1954

Locality Rockland Harbor, Maine

Chief of Party:

Plane of reference is mean low water.
ft. on tide staff at
ft. below B. M.

Height of mean high water above plane of reference at the
working grounds is 9.7 feet.

NOTE: Tide reducers were verified by using Portland
observations with the following allowances:

<u>Time Difference</u>	<u>Ratio of Range</u>
-0 15 Min.	1.1

Condition of records satisfactory except as noted below:

E.C. McKay
Tides and Currents

Chief, Division of Tides and Currents.

GEOGRAPHIC NAMES

Survey No. F.E. No. 2, 1951
Wire Drag

Name on Survey	Source of Name									
	A	B	C	D	E	F	G	H	K	
										1
										2
										3
										4
										5
										6
										7
										8
										9
										10
										11
										12
										13
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										23
										24
										25
										26
										27

Hydrographic Surveys (Chart Division)

HYDROGRAPHIC SURVEY NO. F.E. No. 2, 1954, Wire Drag

Records accompanying survey:

Boat sheets ^{2 ch. #320} sounding vols.; wire drag vols. ²;
 bomb vols.; graphic recorder rolls ^{1 Env};
 special reports, etc. ^{1 smooth sheet (Planimetric Map) - 1 Sheet H-7831} ^{1 Tracing}

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

Number of positions on sheet
Number of positions checked ³⁰
Number of positions revised ²
Number of soundings revised (refers to depth only) ⁰
Number of soundings erroneously spaced ⁰
Number of signals erroneously plotted or transferred ⁰
Topographic details	Time ⁰
Junctions	Time ⁰
Verification of soundings from graphic record	Time ²

Verification by *L. Jeskeid* Total time ³² Date ⁸⁻³⁻⁵⁴

Reviewed by *L. Jeskeid* Time ¹² Date ⁸⁻⁵⁻⁵⁴

Review of Field Examination No. 2, 1954

This wire-drag field examination was made in compliance with the Director's letter dated 28 April 1954, 22 MEK, S-1-W & H.

The purpose of the field examination was to locate or disprove the existence of an obstruction covered by 13 ft. of water in Rockland Harbor, Maine, in lat. $44^{\circ}06'08''$, long. $69^{\circ}05'35''$, reported in the USCG, L N to M No. 31, 1954 (Chart letter 501, 1954.)

The area within a radius of about 0.4 mile of the above mentioned location was wire-dragged to effective depths ranging from 14-18 ft. A number of sounding lines were also run in the vicinity of the reported obstruction. No obstruction was found; and it is, therefore, recommended that the reported obstruction be disregarded.

During the course of the field examination the Chief of Party reported a rock covered by 13 ft. of water in lat. $44^{\circ}06'20''$, long. $69^{\circ}05'45''$ (Chart letter 501, 1954). The reduced value of this depth is 14 ft. (hang).

A comparison between H-7831 (1950) and the field examination shows 5 soundings on H-7831 have been scaled from the tops of grass traces. These 5 soundings have been revised on H-7831, and the conflicts between the two surveys have been resolved.

Chart 209, dated 4-20-53, shows two of the soundings which have been revised for the reason given above. These soundings are as follows:

<u>Charted Sdg.</u>	<u>Location</u>		<u>Revised Sdg.</u>
<u>Feet</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Feet</u>
13	$44^{\circ}06.32'$	$69^{\circ}05.60'$	16
14	$44^{\circ}06.22'$	$69^{\circ}05.65'$	15

Revised also Chart 1205

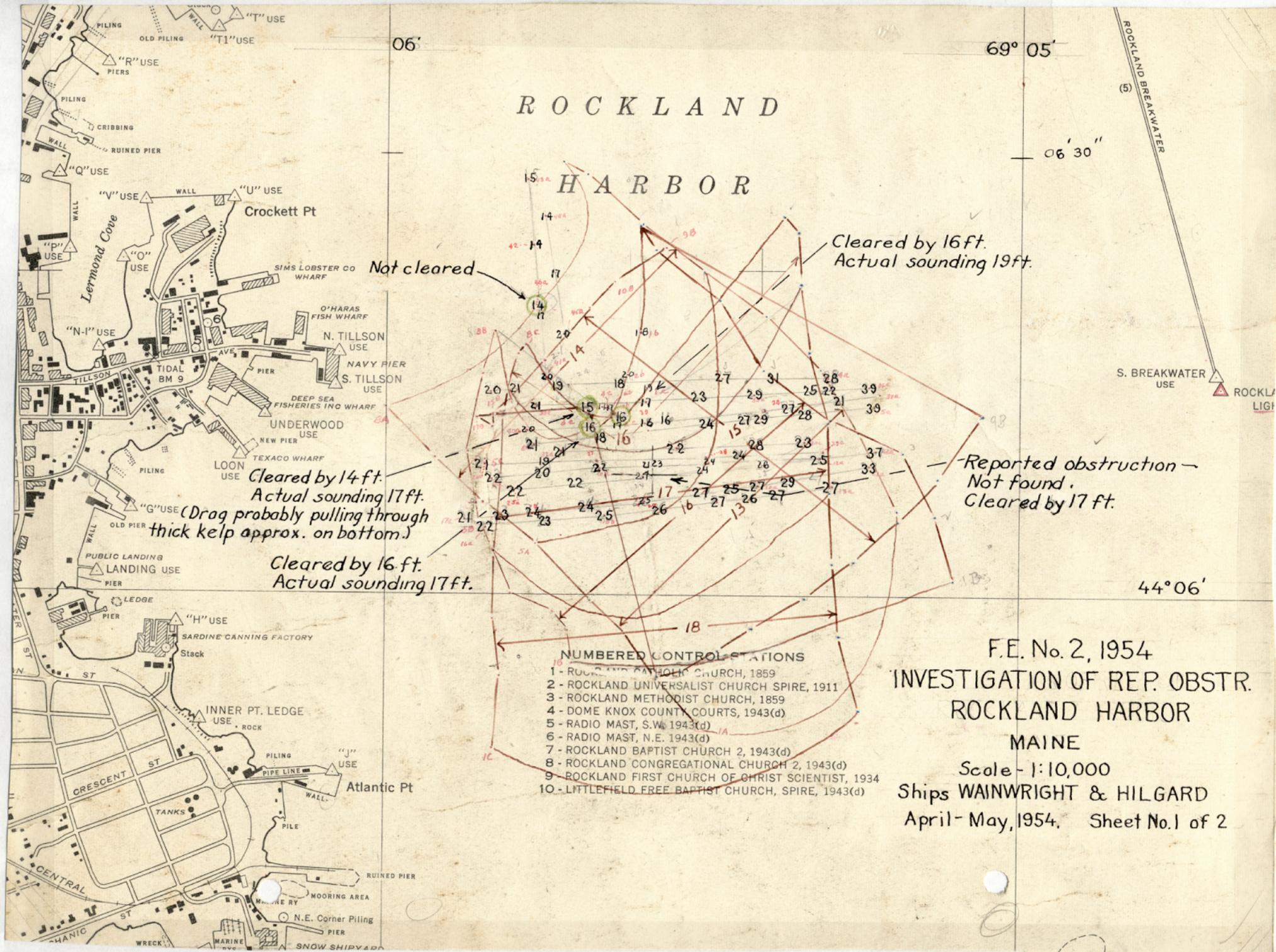
The charted soundings should be changed to the revised depths.

The results of the field examination are plotted on the accompanying A and D diagram and a section of air-photographic survey T-8009 (1943).

The Descriptive Report and attached correspondence adequately cover all other matters pertaining to this examination. No further discussion is considered necessary.

I. M. Zeskind
8/5/54

Inspected by: R. H. Carstens



ROCKLAND

HARBOR

Not cleared

Cleared by 16 ft.
Actual sounding 19 ft.

Cleared by 14 ft.
Actual sounding 17 ft.
(Drag probably pulling through
thick kelp approx. on bottom.)

Cleared by 16 ft.
Actual sounding 17 ft.

Reported obstruction -
Not found.
Cleared by 17 ft.

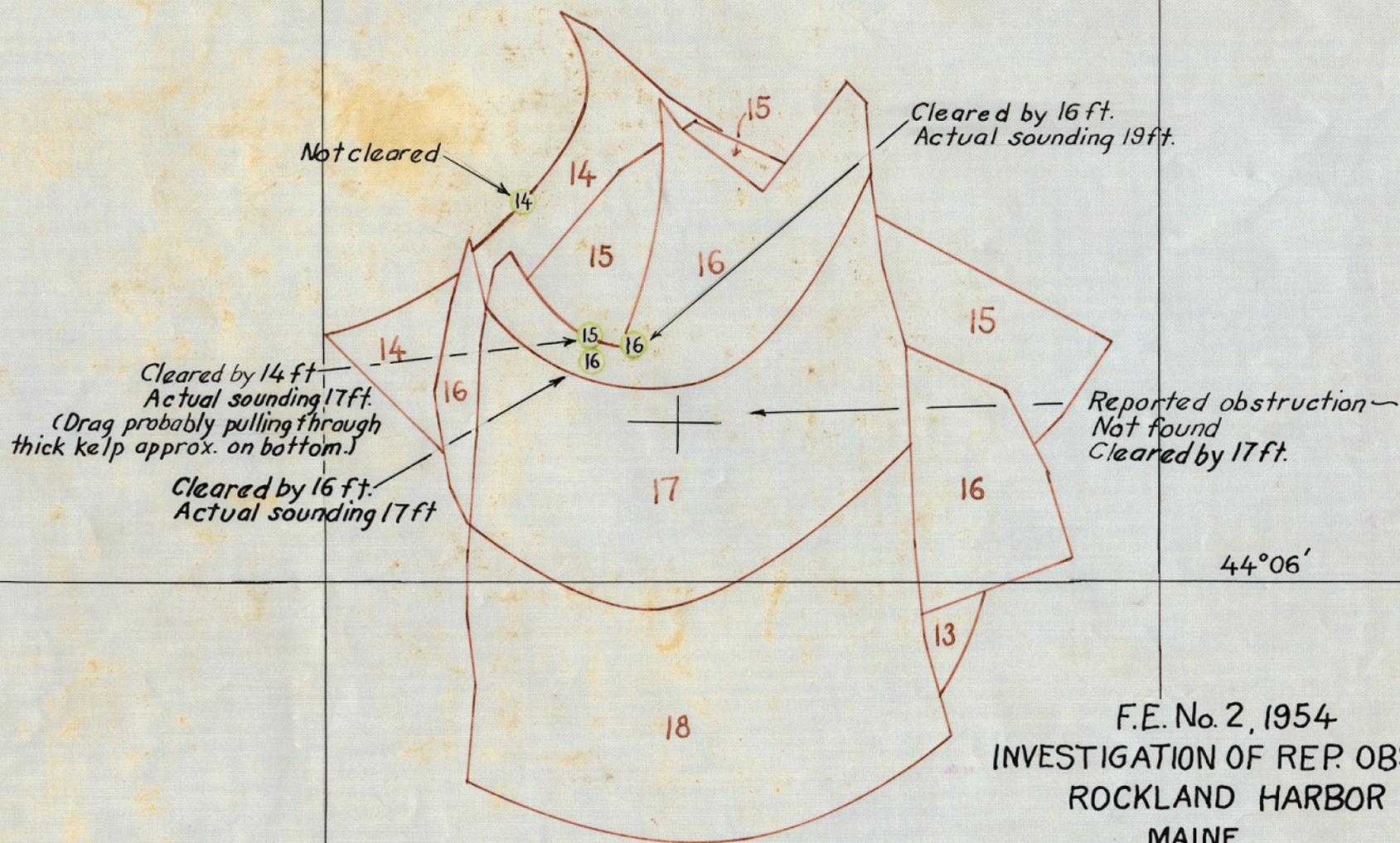
- NUMBERED CONTROL STATIONS
- 1 - ROCKLAND CATHOLIC CHURCH, 1859
 - 2 - ROCKLAND UNIVERSALIST CHURCH SPIRE, 1911
 - 3 - ROCKLAND METHODIST CHURCH, 1859
 - 4 - DOME KNOX COUNTY COURTS, 1943(d)
 - 5 - RADIO MAST, S.W. 1943(d)
 - 6 - RADIO MAST, N.E. 1943(d)
 - 7 - ROCKLAND BAPTIST CHURCH 2, 1943(d)
 - 8 - ROCKLAND CONGREGATIONAL CHURCH 2, 1943(d)
 - 9 - ROCKLAND FIRST CHURCH OF CHRIST SCIENTIST, 1934
 - 10 - LITTLEFIELD FREE BAPTIST CHURCH, SPIRE, 1943(d)

F.E. No. 2, 1954
INVESTIGATION OF REP. OBSTR.
ROCKLAND HARBOR
MAINE

Scale - 1:10,000
Ships WAINWRIGHT & HILGARD
April - May, 1954. Sheet No. 1 of 2

06'

69° 05'



44° 06'

F.E. No. 2, 1954
INVESTIGATION OF REP. OBSTR.
ROCKLAND HARBOR
MAINE

Scale - 1:10,000
Ships WAINWRIGHT & HILGARD
April - May, 1954. Sheet No. 2 of 2

69°10'

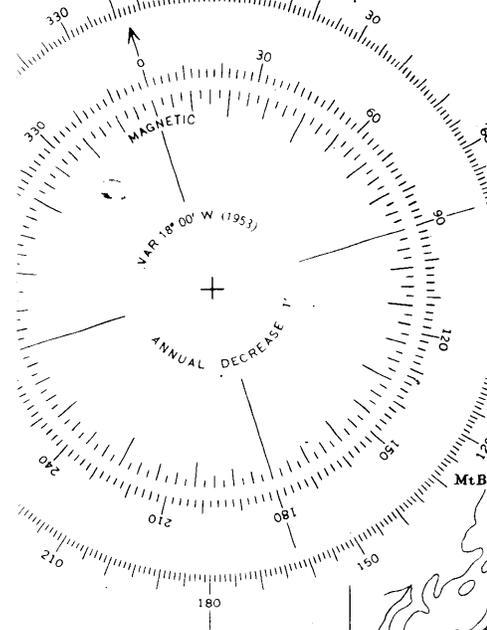
Spruce Mt.

Pleasant Mt.

Meadow Mt.

Chart 1203

ROCKPORT



Beach Hill 550'

Rockville

Dodge Mt. 660'

Glen Cove

Mt. Battux 620'

ROCKLAND

ROCKLAND HARBOR

FE No. 2, 1954
Wire Drag
(chart 320)

Mill River

THOMASTON

Hospital Pt.

South Thomaston

Hayden Pt.

Birch Pt.

Ft. St. George

St. George

Spruce Head

ROCKPORT HARBOR

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

44°10'

Oyster R.

TANK

RADIO TOWER

Hospital Pt.

Ft. St. George

St. George

Spruce Head

STACKS

SPIRE

SPIRE

SPIRE

SPIRE

SPIRE

SPIRE

Ingraham Hill 290'

South Thomaston

Hayden Pt.

Birch Pt.

St. George

Spruce Head

Spruce Head

Spruce Head

ROCKLAND HARBOR

ROCKPORT HARBOR

Shag Rk

Owl's Head Ledge

Post Hill

Holiday Beach

Emercy

Crockett Pt.

Ash Point

Little I.

Ash Pt.

Grindstone Ledge

Fisherman I.

Grindstone Ledge

Fisherman I

