

Graphic Control

6915a&b

Diag. Cht. 120452

6915a&b

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. L Office No. T-6915

LOCALITY

State MAINE

General locality Casco Bay
Vicinity Quahog Bay and New Meadows R.

Locality North Part of Quahog Bay

194 2

CHIEF OF PARTY

C. D. Meaney

LIBRARY & ARCHIVES

DATE January 17, 1944

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.
T6915

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. L

REGISTER NO.

State MAINE

General Locality Casco Bay

Locality North Part of Quohog Bay

Scale 1:10,000 Date of survey Field Season, 19 42

Vessel LYDONIA

Chief of party C. D. Meaney

Surveyed by Dale E. Sturmer

Inked by D. E. Sturmer and M. A. Axelton

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated March 11, 19 42

Remarks: Graphic Control Survey

DESCRIPTIVE REPORT

to accompany

GRAPHIC CONTROL SURVEY

Field Letter "L"

CASCO BAY, MAINE

NORTHERN PART OF QUOHOG BAY

INSTRUCTIONS:

This survey was executed in accordance with The Director's Supplemental Instructions for Project C.S. 265, issued to the Commanding Officer of the Ship LYDONIA. The date of these Supplemental instructions is March 11, 1942.

SCALE:

The scale of this survey is 1:10,000.

LIMITS:

This survey covers the northern part of Quohog Bay. It joins survey Field Letter "H" ^{7-6712-B (1942)} on the south. The sheet covers a much larger area but only Quohog Bay was surveyed during the 1942 season.

SURVEY METHODS:

Standard planetable methods were used throughout. As no common point in Quohog Bay could be seen from two triangulation stations, three signals were transferred from sheet Field Letter "H". The positions of these were checked from cuts from either triangulation stations Sebasco or Orr 2. These transferred signals were then used as the origin of planetable triangulation around the Bay. Cuts to signals from either one of the above triangulation stations were used as checks.

TRAVERSES:

One traverse was run from signal JEW into Orrs Cove and back to signal JEW. The closing error was 2 meters for which no adjustment was made.

HIGH WATER LINE:

A stretch of high water line in the vicinity of signal JUNE was located. In inking the high water line the point located was not inked.

ROCKS AND REEFS:

As many rocks and reefs as practical were located during

the course of this survey. These rocks and reefs were located at a tide of 2 to 3 feet above mean low water.

RECOVERABLE TOPOGRAPHIC STATIONS:

Listed below is the recoverable topographic station located on this survey. The description is on Form 528.⁴

JUNE --- Standard disc

MAGNETIC MERIDIAN:

No triangulation station without local attraction (tower) is on the area covered by this survey, so no magnetic meridian is shown.

LANDMARK FOR CHARTS:

Landmarks for charts is the subject of a separate report covering the entire project area.

INKING:

The high water line was inked by the topographer. The topographic signals, the triangulation stations, the rocks and reefs with the notes pertaining thereto, and the projection were inked by personnel of the Norfolk Processing Office under the topographer's supervision. The remainder of the sheet was inked by Norfolk Processing Office personnel.

Respectfully submitted,

Dale E. Sturmer

Dale E. Sturmer
Lieut. U. S. C. & G. S.

Approved, Forwarded,

C. D. Meaney

C. D. Meaney
Lt. Comdr. C.&G.S.
Commanding Ship, LYDONIA

This graphic control sheet has been compared with contemporary hydrographic surveys. No further review by the Hydrographic Survey Section is necessary at the present time

B.H. Carstens 6/5/46

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.
T6915

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. M

REGISTER NO.

State MAINE

General Locality Casco Bay

Locality Upper New Meadows River

Scale 1:10,000 Date of survey Field Season, 1942

Vessel LYDONIA

Chief of party C. D. Meaney

Surveyed by Dale E. Sturmer

Inked by D. E. Sturmer and M. A. Axelton

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated March 11, 1942

Remarks: Graphic Control Survey

DESCRIPTIVE REPORT

to accompany

GRAPHIC CONTROL SURVEY

Field Letter "M"

CASCO BAY, MAINE

UPPER NEW MEADOWS RIVER

INSTRUCTIONS:

This survey was executed in accordance with The Director's Supplemental Instructions for Project C.S.265 issued to the Commanding Officer of the Ship LYDONIA. The date of these supplemental instructions is March 11, 1942.

SCALE:

The scale of this survey is 1:10,000.

LIMITS:

This survey covers the upper part of New Meadows River. It joins Surveys Field Letter "J" ^{F-69(2) (1942)} on the south and extends to the northern limits of the project on the north.

CONTROL:

Horizontal control consisted of triangulation of second and third accuracy executed by C. M. Durgin in 1933.

SURVEY METHODS:

Standard planetable methods were used throughout. For additional control, signals were transferred from survey Field Letter "J".

TRAVERSE:

The only traverse run on this survey was from signal DEL to signal CCARD and return to signal DEL. The closing error was 2 meters for which no adjustment was made.

HIGH WATER LINE:

Two stretches of high water line adjacent to recoverable topographic stations were located. In inking the high water line the point located was not inked.

ROCKS AND REEFS:

Most of the off lying rocks and reefs were located in the area covered by this survey. These were located at or near low water.

No low water line was located as it was not practical to do so without waiting for low water.

RECOVERABLE TOPOGRAPHIC STATIONS:

Listed below are the recoverable topographic stations located on this survey. Descriptions of these are on form 528.⁴

FIRE----Standard disc
BLIT---- " " "
GONE----Stub wooden pile

MAGNETIC MERIDIAN:

There is no magnetic meridian on this survey because at both triangulation stations there is local attraction.

LANDMARKS FOR CHARTS:

Landmarks for charts is the subject of a separate report covering the entire project.

INKING:

The high water line was inked by the topographer. The topographic signals, the triangulation stations, the rocks and reefs with the notes pertaining thereto, and the projection were inked by personnel of the Norfolk Processing Office under the topographer's supervision. The remainder of the sheet was inked by Norfolk Processing Office personnel.

Respectfully submitted,

Dale E. Sturmer

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Lieut. U.S.C. & G.S.

Approved, Forwarded:

C. D. Meaney
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Lt. Comdr. U.S.C. & G.S.
Commanding Ship LYDONIA

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R. H. Carstens 6/5/46