

Graphic Control

6928a&b

Diag. Chf. No. 1204-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. E Office No. T-6928

LOCALITY

State MAINE

General locality Casco Bay
Outside Coast

Locality Cape Small and Griffith Head
Kennebec River to Griffith Head

1942

CHIEF OF PARTY

C. D. Neaney

LIBRARY & ARCHIVES

DATE January 17, 1944

B-1870-1 (1)

6928a&b

T6928 b applied to Reconstruction of Chart 315 - May 22, 1944 - JHV

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

16928

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. E

REGISTER NO.

State MAINE

General Locality Outside Coast

Locality Kennebec River to Griffith Head

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

Vessel LYDONIA

Chief of party C. D. Meaney

Surveyed by D. 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 "E"

KENNEBEC RIVER TO GRIFFITH HEAD, MAINE

INSTRUCTIONS:

This survey was executed in accordance with The Director's Supplemental Instructions for project C.S.265, issued to the commanding officer, 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 outside coast from the mouth of the Kennebec River to Griffith Head.

This survey joins survey field letter "A" and "B" on the west.

T-6910 2(1942) T-6911 2(1942)

CONTROL:

Horizontal control consisted of triangulation of second and third order accuracy located by C. M. Durgin in 1933 and K. G. Crosby in 1934. There are also a few stations located by the U. S. Engineers and tied to Coast and Geodetic Survey Stations.

SURVEY METHODS:

Standard planetable survey methods were used throughout. No traverses were run.

HIGH WATER LINE:

An occasional stretch of high water line was located for comparison with the air photographs of this area. In inking the high water line the point located was not inked.

ROCKS AND LOW WATER LINE:

As many rocks and reefs as practical were located during the time that the signals were being located on this survey. All rocks and reefs shown on this sheet were located at or near low water.

It was impractical to locate low water on this survey without waiting for low water.

RECOVERABLE TOPOGRAPHIC STATIONS:

There are no recoverable topographic stations on this survey.

MAGNETIC MERIDIAN:

The magnetic meridian shown on this survey was observed using the declinator for alidade #190, for which the index is not known. The variation scaled from the sheet is $19^{\circ} 25' W$,

LANDMARKS FOR CHARTS:

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

INKING:

The Topographer inked the high water line. The topographic signals, the triangulation stations, the rocks and reefs with the notes pertaining thereto, the magnetic meridian, the projection and the names of aids to navigation were inked by personnel at the Norfolk Processing Office under the Topographer's supervision. The remainder of this 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 was compared with contemporary hydrographic surveys. No further review by the Hydrographic Survey section is necessary at the present time.

R.H. Carstens 6/5/46

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

16928

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. F

REGISTER NO.

State MAINE

General Locality Casco Bay

Locality Cape Small to Mouth of New Meadows River

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

Vessel LYDONIA

Chief of party C. D. Meaney

Surveyed by D. 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 "F"

CASCO BAY, MAINE

WESTWARD OF CAPE SMALL

INSTRUCTIONS:

This survey was executed in accordance with The Director's Supplemental Instructions for project C.S.265, issued to the Commanding Officer, 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 eastern part of Casco Bay from Mark Island eastward to Cape Small and Northward to the mouth of the New Meadows River.

CONTROL:

Horizontal Control consisted of triangulation of second and third order accuracy, executed by C. M. Durgin in 1933, K. G. Crosby in 1934 and P. L. Bernstein in 1941.

SURVEY METHOD:

Standard planetable survey methods were used. Signals cut in from triangulation stations or 3-point fixes were used as additional control points.

TRAVERSES:

The only traverse run was from signal GAL northward through Cape Small Harbor to signal ZIP. This traverse failed to close by 12 meters. It was rerun with a closing error of 4 meters which was adjusted on the sheet.

HIGH WATER LINE:

At intervals of about one mile along the shoreline the high water line was located adjacent to a control point for comparison with the air photographs. In inking the high water line the point located was not inked.

ROCKS AND LOW WATER LINE:

Time was not available for locating rocks and reefs on this survey because of the necessity of locating signals for the hydrographic parties.

RECOVERABLE TOPOGRAPHIC STATIONS:

Listed below are the recoverable topographic stations located on this survey. Descriptions for these are on form 526⁴.

NOR----Gable of a house
WET----Tank (elevated)
ZING---Topographic disc ✓
WAT----Chimney on house
ABLE---Gable of building
SAW----Gable of small house

MAGNETIC MERIDIAN:

The magnetic meridian shown on this survey was observed with the declinoire for alidade #190, for which the index error is not known. The variation scaled from the sheet is 17° 44'.

LANDMARKS FOR CHARTS:

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

INKING:

The topographer inked the high water line. The topographic signals, the triangulation stations, the names of aids to navigation, and the projection ~~were~~ inked by personnel of the Norfolk Processing Office under the topographers supervision. The remainder of the sheet was inked by the Norfolk Processing Office.

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 survey. No further review by the Hydrographic Surveys Section is necessary at the present time.

R.H. Carstens 6/15/46