

7022

Graphic Control

Diag'd. on Diag. Ch. No. 1203

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHICField No. LY "A"-45 Office No. T-7022

## LOCALITY

State MAINEGeneral locality off Penobscot Bay  
COAST OF MAINELocality WOODENBALL ISLAND194 5

CHIEF OF PARTY

L. P. Raynor

LIBRARY &amp; ARCHIVES

DATE AUG 30 1946

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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

*Jordan*

REG. NO.

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. LY "A"-45

REGISTER NO. T-7022 G.C.

State MAINE

General locality OFF Penobscot Bay  
COAST OF MAINE

Locality WOODEN BALL ISLAND

Scale 1:10,000 Date of survey 13 October, 1945

Vessel Ship LYDONIA

Chief of party L. P. Raynor, Commander, USC&GS

Surveyed by P. L. Bernstein, Lt. Comdr. USC&GS

Inked by \_\_\_\_\_

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated 7 May 1941, 11 March 1944, 19\_\_\_\_

Remarks: Location of signals for hydrography

DESCRIPTIVE REPORT TO ACCOMPANY  
GRAPHIC CONTROL TOPOGRAPHIC SHEET LY-A-45

T-7022

PROJECT CS-265 - COAST OF MAINE

U.S.C.& G.S.S. LYDONIA - L. P. Raynor, Comdg.

INSTRUCTIONS

Original project Instructions dated 7 May 1941 and 11 March 1944. ✓

AREA

This sheet covers the location of signals on Wooden Ball Island, ✓  
necessary for hydrographic control.

CONTROL

The control consisted of triangulation stations WOODEN BALL (1858-1934); SEAL ISLAND (1913-1934), and topographic station LAN (1944). ✓

TRAVERSES

A traverse was run from triangulation station WOODEN BALL to topographic station LAN, using SEAL ISLAND for orientation. Resections ✓  
were made along the traverse where possible and no closing error resulted.

CHANGES IN SHORELINE

Since it was necessary to establish the signals on top of the bluff, it was necessary to run the traverse there also, and since additional time was not available, no attempt was made to locate the shoreline. ✓  
The shoreline should be taken from Air Photo Compilation Sheet T-8028.

MAGNETIC MERIDIAN

The value of the magnetic variation was shown at station WOODEN BALL (1858-1934) using the declinoire with alidade H-190 on 13 October ✓  
1945. The value is approximately  $18^{\circ} 50'$  W. (So charted)

GENERAL

Location of the hydrographic signals on this sheet was necessary due to the fact that an insufficient number of signals were available from the Air Photo Compilation Sheet. Signals from Air Photo Sheet which were definitely recovered are clearly indicated on this topo sheet, and it will be noted a slight discrepancy exists between air photo positions and the topographic position. Since the hydrography on the west side of this island was not completed the signal sites were marked with white paint so that they can be recoverable for a year or two. ✓

Respectfully submitted

*P. L. Bernstein*

P. L. Bernstein  
Lt. Commander, USC&GS

Approved and Forwarded

*L. P. Raynor*

L. P. Raynor  
Commander, USC&GS  
Commanding Officer, Ship LYDONIA

*Further consideration by the Review Section is unnecessary.*  
*G.F.D.*