

MAR 18 1942

6843a&amp;b

Graphic Control

Graphic Control

6843a&amp;b

FORM 504 Rev. Dec. 1933 DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY K. L. MITCHELL, DIRECTOR L. O. Colbert <b>DESCRIPTIVE REPORT</b>	
Topographic <del>Hydrographic</del>	Sheet No. T 6843 a & b Graphic Control
<div style="height: 100px;"></div>	
State <u>Maine</u>	
LOCALITY <u>Casco Bay</u> <u>Vicinity of</u> <u>Falmouth Foreside to Great Chebeag</u> <u>Island, Maquoit and Middle Bay</u> <u>Vicinity.</u>	
<u>1941</u>	
CHIEF OF PARTY <u>Fred L. Peacock</u>	

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

GRAPHIC-CONTROL SURVEY

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. A

REGISTER NO. T-6843 - Graphic Control

State Maine

General locality Casco Bay

Locality Falmouth Foreside to Great Chebeag Island.

Scale 1:10,000 Date of survey May, 1941

Vessel Ship OCEANOGRAPHER

Chief of party Fred. L. Peacock

Surveyed by Don A. Jones

Inked by Don A. Jones

Heights in feet above -- to ground to tops of trees

Contour, Approximate contour, Form line interval -- feet

Instructions dated May 7, 1941, 19  

Remarks:

# DESCRIPTIVE REPORT

to accompany

GRAPHIC CONTROL SHEET NO. A (FIELD)

CASCO BAY

T-6843 a **Graphic Control**

## INSTRUCTIONS:

The work covered by this report was performed in accordance with Paragraph 8, Instructions, Project C.S.-265, dated May 7, 1941, referenced 22 mjc - 1995 OC 1.

SCALE: 1 : 10,000

## LIMITS:

This survey controls the area included within the following: Little Chebeag Island on the southeast; Chebeag Bar on the northeast; Broad Cove on the northwest; and Falmouth Foreside on the southwest.

This survey joins **T-6844 (1941)** Graphic Control Sheet No. B (Field) on the south and **T-6843 a (1941)** Graphic Control Sheet No. F (Field) on the north.

## CONTROL:

The control for this survey consists of sixteen (16) triangulation stations shown on the survey by the red triangulation symbol. Following is a list of the control:

THOMAS, 1933  
YORK, 1852  
DOYLE USE, 1933  
FALMOUTH STANDPIPE, 1933  
STURDIVANT, 1933  
BASKET ISLAND UPPER LEDGE BEACON, 1933  
EAST BASKET USE, 1933  
BASKET USE, 1909, 1933  
BASKET ISLAND LOWER LEDGE BEACON, 1933  
BAR USE, 1909, 1933  
GREAT CHEBEAG ISLAND CHURCH BELFREY, 1933  
CLAPBOARD USE, 1909, 1933  
SUNSET USE, 1909, 1933  
LITTLE CHEBEAG, 1933  
CHEBEAG USE, 1909, 1933  
LITTLEFIELD, 1933

STURDIVANT ISLAND HOUSE CHIMNEY, 1933 was not recoverable.



The geographic positions used on this survey for all of the above triangulation stations were from the field computations (unadjusted) of C. M. Durgin, 1933. All geographic positions were on the North American 1927 datum.

#### PLANE-TABLE METHODS:

The positions of all control points located on this survey were established by at least three strongly intersecting plane-table cuts either from plane-table set-ups at triangulation stations or set-ups at previously well located control points. No difficulty was experienced in checking orientations at any of the triangulation stations or plane-table positions occupied.

All control points located on this survey were for the control of the hydrographic and wire drag surveys in this area. These control points are indicated on the survey by red circles with hydrographic signal name adjacent and lettered in red.

#### REVISION SURVEYS:

In compliance with the instructions, all wharves, docks, and landmarks in this area not previously located were located on this survey, and are shown in accordance with instructions regarding detailing of revision work, Special Publication No. 144, Topographic Manual.

Triangulation Station BASKET ISLAND LOWER LEDGE BEACON, latitude  $43^{\circ} 43.8'$ , longitude  $70^{\circ} 09.4'$ , was occupied for graphic control purposes during low water. Advantage was taken of this excellent opportunity for locating the various rock ledges and detached rocks in the immediate vicinity of the Beacon. These ledges and rocks with appropriate notes are shown on this survey.

Indian Point, Great Chebeag Island, latitude  $43^{\circ} 43.2'$ , longitude  $70^{\circ} 08.4'$  was relocated on this survey. The southern side of the point has been washing rapidly. At present there is a wooden seawall along the entire southern side of the point.

Eight docks in the general area of Falmouth Foreside and Broad Cove were located on this survey. These docks were not shown on Chart No. 201.

The high water line shown in pencil on this survey is from Topographic Surveys T-755 (1854-59) and T-919a (1864) and was adjusted for datum and as nearly as possible for signal location.



#### RECOMMENDATIONS FOR ADDITIONAL WORK:

A complete topographic resurvey of the area covered by this survey is recommended. The present high water line appears to vary in minor detail at many points from the high water line as shown on Topographic Surveys T-755 and T-919a, and difficulty was experienced in adjusting that high water line to the signals located on this survey.

#### MAGNETIC MERIDIAN:

A magnetic meridian was determined by declinoire on this survey on May 13, 1941 at 3:00 P.M. (60th Meridian Time) at Triangulation Station STURDIVANT, 1933 located on Sturdivant Island. The unadjusted magnetic variation for this determination equalled  $18^{\circ} 16' W$ .

#### GEOGRAPHIC NAMES:

No investigation of geographic names in this area was made. ✓

#### LANDMARKS:

Landmarks recommended for charting in this area have been made the subject of a separate report.

Two objects within the limits of this survey, located by triangulation by C. M. Durgin, 1933 and shown on Chart No. 201 as landmarks, namely: CH BELFREY, Great Chebeag Island and STANDPIPE, Falmouth, were recommended to be retained as landmarks.

Four control points located on this survey were also recommended as landmarks for charting. These four points are: Signals MISS, LON, TRIM, and HILL.

RECOVERABLE HYDROGRAPHIC AND TOPOGRAPHIC STATIONS:

The above four control points recommended as landmarks were also submitted on Form 524 as recoverable topographic stations. In addition, Signals MET, BAT, NAY, SKIN, and SOX located on this survey were submitted as recoverable topographic stations.

STATISTICS:

Field work began	May 6, 1941
Field work was completed	May 14, 1941
Number of days of field work required	4 $\frac{1}{2}$
Number of hydrographic signals located	73
Number of recoverable topographic stations submitted	7
Number of triangulation stations recovered	15

Respectfully submitted:

October 17, 1941

*Don A. Jones*

Don A. Jones, Ensign, C&GS,  
U.S.C. & G.S.S. OCEANOGRAPHER.

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Approved and forwarded:

*Fred. L. Peacock*  
Fred. L. Peacock,  
Chief of Party, C&GS.

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

*R.H. Cardenas 6/4/46*

## APPENDIX I

### MARKED GRAPHIC CONTROL STATIONS

In accordance with instructions in the Director's letter No. 22, mjc, 1995 OC 4, dated August 20, 1941, two graphic control signals in the area of this survey were permanently marked with hydrographic station marks. The field work on this survey had been completed when the above instructions were received. It was found necessary to set the permanent marks eccentric to the two selected control points and the hydrographic marks thus established were tied in by distance and direction to the signals located on this survey.

Following is the data concerning the location of the marks:

SOX (Spruce Pt., Cousins Island)

Hydrographic mark is 3.85 meters from signal SOX on range with BASKET ISLAND LOWER LEDGE BEACON.

SKIN (Pumpkin Nob)

Hydrographic mark is 14.85 meters from signal KIN and  $11^{\circ} 45'$  to the right of the line KIN - STURDEVANT, 1933.

The description and position of these marks were forwarded with Special Report, Anchorage Stations for Chart 201, on October 15, 1941.

*Henry A. Fontaine  
Lieut. (j.g.)*



## Remarks

## Decisions

1		437701
2		"
3		437701
4		437701
5		437701
6		437702
7	Pending with U.S.G.B. leave space for 2 letters after Chebeag in case Board adopts Chebeague	437701
8		"
9		437701
10		437701
11		"
12		437701
13		"
14		437701
15		"
16	see 7, above	"
17	for title	436704 U.S.G.B
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## GEOGRAPHIC NAMES

Survey No.

T6843a  
Graphic Control

Name on Survey

	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K	
<u>Basket Island</u>										1
<u>Birch Point</u>										2
<u>Broad Cove</u>										3
<u>Clapboard Island</u>										4
<sup>S</sup> <u>Cousin Island</u>										5
<u>Falmouth Foreside</u>										6
<u>Great Chebeag Island</u>										7
<u>Indian <del>Island</del> Point</u>										8
<u>Lower Basket Ledge</u>										9
<u>Prince Point</u>										10
<u>Pumpkin Nob</u>										11
<u>Seal Ledge</u>										12
<u>Spruce Point</u>										13
<u>Sturdivant Island</u>										14
<u>Upper Basket Ledge</u>										15
<u>Little Chebeag I.</u>										16
<u>Casco Bay</u>										17
Names underlined in red approved										18
by L. Heck on 4/25/42										19
										20
										21
										22
										23
										24
										25
										26
										27

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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. L

REGISTER NO. 6843 b *Graphic Sheet*

State Maine

General locality Casco Bay

Locality Maquoit and Middle Bay Vicinity

Scale 1 : 10,000 Date of survey July, 19 41

Vessel Ship OCEANOGRAPHER

Chief of party Fred. L. Peacock

Surveyed by Charles A. Schanck

Inked by Charles A. Schanck

Heights in feet above --- to ground to tops of trees

Contour, Approximate contour, Form line interval --- feet

Instructions dated May 7, 1941, 19 ---

Remarks: -----



# DESCRIPTIVE REPORT

to accompany

GRAPHIC CONTROL SHEET NO. L (FIELD)

CASCO BAY

T-68436 *Graphic Control*

October 8, 1941

## INSTRUCTIONS:

The work covered by this report was performed in accordance with paragraph 8, Instructions, Project C.S.-265, dated May 7, 1941, referenced 22 mjc - 1995 OC 1.

## SCALE:

The scale of this sheet is 1 : 10000

## PURPOSES AND SCOPE OF WORK:

The primary purpose of this graphic control survey was to locate signals for control for a hydrographic survey of the area. Since air photographic surveys for this area are contemplated in the near future no detailed topography was surveyed. This is in accordance with the instructions.

## LIMITS:

The area covered by this sheet is in the vicinity of Maquoit and Middle Bay in the northern inshore section of Casco Bay. It includes Pettingill, William, Sister, Upper Goose, Shelter, and Birch Islands; a section of Flying Point and Mare Point; and the section between White Point and Wilson Ledges on the western shore of Harpswell Neck.

This sheet joins Sheet R (field) on the north, Sheet H (field) on the west, and Sheet K (field) on the south.

*T-68486(1941)* *T-6850(1941)*  
*T-68456(1941)*

## METHODS:

The work on this sheet was done in accordance with standard practice on graphic control surveys. Most of the signals were located by three or more cuts from triangulation stations or



graphic control stations located from triangulation stations. A check on the position of every signal was determined. The following signals were located by two cuts and a rod reading: Nab, on the west shore of Harpswell Neck; Yap, on north shore of Birch Island; Lye and Ked on south shore of Birch Island; Ado, on the east shore of Flying Point; and Mud and Let, on the west side of Mare Point.

#### GEOGRAPHIC NAMES:

No investigation of the geographic names in the area was made. It was noted, however, that the point charted as Mare Point is known locally as Mere Point. *Lt. pending with U.S.C. & G.S.*

#### RECOMMENDATIONS FOR ADDITIONAL WORK:

A new detailed topographic survey of this area is recommended.

#### STATISTICS:

Ninety-two (92) signals were located on this sheet by graphic control methods.

#### LANDMARKS:

Landmarks recommended for charting in this area have been made the subject of a separate report.

Respectfully submitted,

*Charles A. Schanck*  
Charles A. Schanck, Lt.(j.g.), C&GS,  
U.S.C. & G.S.S. OCEANOGRAPHER.

October 8, 1941

Approved and forwarded:

*Fred. L. Peacock*  
Fred. L. Peacock,  
Chief of Party, C&GS.

*This graphic control survey has been compared with contemporary hydrographic surveys. No further review by the Hydrographic Survey section is necessary at this time*  
*R.H. Carstens 6/4/46*

Completed in Norfolk Processing Office on March 6, 1942.  
Geographic names shown in pencil are from chart number 315.

3/16/42  
Norfolk Processing Office,  
Norfolk, Virginia.

*Don A. Jones*  
aid, C&GS.

APPENDIX

to

REPORT on TOPOGRAPHIC SURVEY

L(FIELD)

MARKED GRAPHIC CONTROL STATIONS

In accordance with instructions in the Director's letter No. 22, MJC, 1995 OC 4, dated August 20, 1941, four graphic control stations in the area of this survey were permanently marked with hydrographic station marks. The field work on this survey had been completed when the instructions were received. The marks were set in the same positions as the signals.

The marks were set as follows:

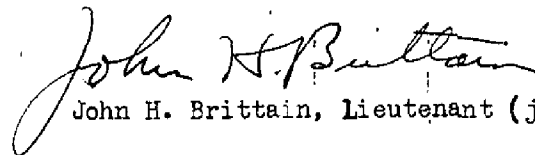
KIN (on Lookout Point on the west side of Harpswell Neck)

JIM (on the south point of Birch Island)

JUG (on the west side of Upper <sup>Goose</sup>~~Green~~ Island)

TOY (on the south end of Shelter Island)

The descriptions and positions of these stations were forwarded with Special Report, Anchorage Stations for Chart No. 201, on October 15, 1941.



John H. Brittain, Lieutenant (j.g.) C&GS



## Remarks

## Decisions

1		438700
2		"
3	No island of this name	
4		"
5		437700 U.S.G.B
6		438700
7		437700
8		438699
9		438700
10		438699
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12		438700
13	Pending with U.S.G.B	"
14	" " "	"
15	" " "	"
16		438700
17		438700
18		438699
19		437700
20		438700
21		"
22		"
23		438699
24		437700
25		438700
26		438695
27		"

## GEOGRAPHIC NAMES

Survey No.

T6843 b

Graphic Control

#1

Name on Survey

	A	B	C	D	E	F	G	H	K	
Birch Island	✓									1
Black Rock	✓									2
<del>Brant Island</del>										3
Brant Island Ledges	✓									4
Bustins Island	✓									5
Flying Point Neck	✓									6
Harpwell Neck	✓									7
Little Birch Island										8
Little Flying Point Neck	✓									9
Little Iron Island	✓									10
Lower Goose Island	✓									11
Maquoit Bay	✓									12
Mare Point	✓									13
Mare Point Bay	✓									14
Mare Point Neck	✓									15
Middle Bay	✓									16
Pettingill Island	✓									17
Scrag Island	✓									18
Shelter Island	✓									19
Sister Island	✓									20
Sister Island Ledge	✓									21
Upper Goose Island	✓									22
White Island	✓									23
White <sup>S</sup> Point	✓									24
William <sup>S</sup> Island	✓									25
Wilson Cove	✓									26
Wilson Point Ledge	✓									27

## Remarks

## Decisions

1		438700
2	Pending with U.S.G.B. for this form or lookout pt.	438645
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M 234		



# GEOGRAPHIC NAMES

Survey No.

T6843b

#2

Name on Survey

	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	
A,	B,	C,	D	E	F	G	H	K	
<u>Sow and Pigs</u>									1
<u>The Lookout</u>									2
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Names underlined in red approved

by L. Heck on 4/25/42

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOGRAPHIC~~

~~No. 111~~

No. T T6843 a+b

Graphic Control

received March 19, 1942  
registered March 23, 1942  
verified  
reviewed  
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	R. W. Knox
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Rank