

6840a&b

Graphic Control

6840a&b

Graphic Control

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. T - 6840a+b Graphic Control
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	
MAY 18 1942	
Acc. No. _____	
State	Alaska
LOCALITY	
Raspberry Strait	
1941	
CHIEF OF PARTY	
L. C. Wilder, H. & G. Engr.	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. ~~4-6640~~ **T6840 a**
Graphic Control

State Alaska

General locality Raspberry Strait

Locality Between Raspberry and Afognak Islands

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

Vessel M.V. "E. LESTER JONES"

Chief of party L. C. Wilder

Surveyed by John C. Bull

Inked by John C. Bull

Heights in feet above M.H.W. to ground ~~to tops of trees~~

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

Instructions dated April 1, 1941, 19 41

Remarks: Sheet consists of control for hydrography and
air photographs.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

REG. No.

T6840 a
6640
Graphic Control

M.V. "E. LESTER JONES".

L. C. Wilder, Chief of Party.

PROJECT - - - - - CS - 263

1941

AUTHORITY:

This survey was conducted under authority of instructions dated April 1, 1941 (ref. 22 mjc 1995 ELJ 1).

LIMITS:

The limits of this sheet are from the vicinity of triangulation station DOLPHIN PT. LT. 1941 (Lat. 58 - 06.2, Long. 153 - 09.4) northwestward to the vicinity of triangulation station TAN 1941 (Lat. 58 - 08.4, Long. 153 - 12.4). It is bounded on the northeast by Afognak Island and on the southwest by Raspberry Island.

CONTROL:

The control for this sheet consists of an arc of second order triangulation established by this party during the summer field season of 1941.

METHOD OF SURVEY:

The usual plane-table methods were used for location of all signals, elevations, rocks and shore line.

The shore line is shown only at marked triangulation stations for use for Air Photographic control.

Three or more cuts were taken to all points of elevation and the mean of the computed heights was used as the accepted value. When it was evident that one of the cuts was in error it was rejected.

No form lines are shown on this sheet because the elevations were

taken to furnish spot heights for determination of form lines from the air photographs.

Coast Pilot Notes and Sailing Directions for Raspberry Strait have been prepared by Lieut. L. C. Wilder, Chief of Party and will be submitted as a separate report.

RECOVERABLE TOPOGRAPHIC STATIONS:

There are no recoverable topographic stations on this sheet.

NEW NAMES:

Little information could be obtained about names in this area. The reduction plant operators were interviewed and the only source of information was Mr. Wakefield, owner of Port Wakefield. The names that appear on the sheet are listed below.

AFOGNAK ISLAND: is the charted name and is in local usage.

✓ RASPBERRY STRAIT: is the charted name and is in local usage.

RASPBERRY ISLAND is the charted name and is in local usage.

✓ DOLPHIN POINT is the name of the point on the north side of the Strait in the vicinity of triangulation station DOLPHIN PT. LT. 1941 (Lat. 58 - 06.2, Long. 153 - 09.4). Just west of this point in a small bight several dolphins have been driven and small craft often tie-up here.

LANDMARKS:

Form 567, Landmarks for Charts, has been prepared and forwarded to the Washington Office on Nov. 14, 1941.

GENERAL:

The purpose of this survey is to furnish control for the hydrography and air photographs.

The shore line on this sheet is mostly rock ledge.

The slopes of Afognak and Raspberry Islands are generally covered with tall grass to an elevation of about 1200 feet. There are scattered patches of trees to an elevation of about 200 feet. From the grass limit

T6840 a

Graphic Control

to the summits little or no vegetation is found.

JUNCTIONS:

On the southeast this sheet makes a junction with sheet T - 663^{7b}, 1941 in the vicinity of triangulation station DOLPHIN PT. LT. 1941 and on the northwest with sheet T - 664^{ob}, 1941 in the vicinity of triangulation station TAN 1941.

MAGNETICS: - - - -Declinatoire #2

Declinatoire observations were made at triangulation stations BOMB 1941, PHIN 1941 and TAN 1941. A special report has been prepared on the standardization of declinatoires used by this party during the summer field season and has been forwarded to the Washington Office. Please refer to this report when checking the observations for corrections to be applied.

STATISTS:

Shore line - - - - -	0.1 stat. mi.
Traverses run - - - - -	0.0 " "
Topographic signals located - - - - -	9
Air Photo. control stations:	

Triangulation station DOLPHIN PT. LT. 1941

Triangulation station SPEC 1941

Respectfully submitted,

John C. Bull

/John C. Bull, Jr. H. & G. Engr.

Jan. 19, 1942.

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

Remarks

Decisions

1		580530
2		580 530
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
M 234		

GEOGRAPHIC NAMES

Survey No.

T6840a

Graphic Control

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>Dolphin Point</u>									1
<u>Raspberry Strait</u>									2
									3
									4
									5
									6
									7
									8
									9
									10
									11
									12
									13
									14
									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

Names underlined in red approved

by L. Heck on 5/14/42

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. ~~2-6842~~

T6840 b

Graphic Control

State Alaska

General locality Raspberry Strait

Locality Northwest Entrance to Raspberry Strait.

Scale 1:20,000 Date of survey September, 1941

Vessel M.V. "E. LESTER JONES"

Chief of party L. C. Wilder

Surveyed by John C. Bull

Inked by John C. Bull

Heights in feet above M.H.W. to ground to tops of trees

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

Instructions dated April 1, 1941, 19

Remarks: Sheet consists of control for hydrography and

air photographs.

REG. NO.

T6840 b
Graphic Control

DESCRIPTIVE REPORT

to accompany

T6840b

Graphic Control

TOPOGRAPHIC SHEET REG. No. ~~T-6641~~

M. V. "E. LESTER JONES".

L. C. Wilder, Chief of Party

PROJECT - - - - - CS - 263

1941

AUTHORITY:

This survey was conducted under authority of Instructions dated April 1, 1941 (ref. 22 mjc 1995 ELJ 1)

LIMITS:

The limits of this sheet are from the vicinity of triangulation station PIN RK. #2 1941 on the northeast, southwestward along the shore of Afognak Island, the northwest entrance to Raspberry Strait and the shore of Raspberry Island to the vicinity of triangulation station END 1929. It is bounded on the northeast by Afognak Island, on the southeast by Raspberry Island and on the southwest and northwest by Shelikof Strait.

CONTROL:

The control for this sheet consists of an arc of second order triangulation and intersection stations established by this party during the summer field season of 1941.

METHOD OF SURVEY:

The usual plane-table methods were used for location of all signals, elevations, and rocks.

No shore line is shown on this sheet because the marked triangulation stations for air photographic control are very distinctive and can be pricked directly on the photographs.

Elevations on Afognak Island from triangulation station TAN 1941 to NUN 1941 and on Raspberry Island from SPEC 1941 to WINDY 1941 were located

by plane-table cuts. Other elevations shown on the sheet were located by sextant cuts and vertical angles from the "E. LESTER JONES". Three or more cuts were taken to all points of elevation and the mean of the computed values was taken as the accepted value. When it was evident that one of the cuts was in error it was rejected.

No ~~form~~ lines are shown on this sheet because the elevations were taken to furnish spot heights for determination of form lines from the air photographs.

Coast Pilot Notes and Sailing Directions for Raspberry Strait have been prepared by Lieut. L. G. Wilder, Chief of Party and will be submitted as a separate report.

RECOVERABLE TOPOGRAPHIC STATIONS:

There are no recoverable topographic stations on this sheet.

NEW NAMES:

No new names appear on this sheet. Names that appear on this sheet are listed below.

- ✓ AFOGNAK ISLAND is the charted name and is in local usage.
- ✓ STEEP CAPE is the charted name and is in local usage.
- ✓ CAPE NUNILIAK is the charted name and is in local usage.
- ✓ RASPBERRY STRAIT is the charted name and is in local usage.
- ✓ RASPBERRY ISLAND is the charted name and is in local usage.
- ✓ DRIVER BAY is the charted name and is in local usage.

LANDMARKS:

Form 567, Landmarks for Charts, has been prepared and forwarded to the Washington Office on Nov. 14, 1941.

GENERAL:

The purpose of this survey is to furnish control for the hydrography and air photographs.

The shore line on Afognak Island from TAN 1941 to FLAG is mostly rock ledge; from FLAG to MAN is gravel beach; from MAN to PIN RK #2 there is a very narrow boulder beach from 5 to 10 meters wide and as you approach PIN RK #2 1941 the high water line is at the base of the almost vertical cliff.

The shore line on Raspberry Island from SPEC 1941 to RIGHT 1941 is mostly rock ledge with intervening gravel and boulder beaches; from RIGHT 1941 to WHY is a very narrow boulder beach and the high water line is at the base of the almost vertical cliffs; from WHY to IF is gravel beach; From IF to YES is a very narrow boulder beach and the high water line is at the base of the almost vertical cliffs and from YES to SNAG is gravel beach.

The slopes of Afognak and Raspberry Islands are generally covered with tall grass except on the vertical cliffs that border Shelikof Strait. The limit of elevation of the grass is about 1200 feet. From the limit of the grass to the summits little or no vegetation is found.

TRAVERSES:

On the southwest side of Raspberry Island a three mile traverse was run from triangulation station PIN #1 1941 to triangulation station END 1929. This traverse closed with an error of 19 meters in distance and azimuth. The allowable closure is 24 meters. This Traverse was adjusted in the usual manner.

On the southwest side of Afognak Island a traverse was run from triangulation station LEFT 1941 to NUN 1941 with a closing error of two meters, no adjustment was made; thence from NUN 1941 to PIN RK #2 1941 with no discrepancy in azimuth or distance.

JUNCTIONS:

This sheet makes a junction on the north east in the vicinity of PIN RK # 2 1941 at STEEP CAPE with previous surveys as called for in

T6840 b

Graphic Control

the instructions. In the vicinity of triangulation station TAN 1941 and SPEC 1941 it makes a junction with sheet T - 6640a1941 and on the south-west it makes a junction with previous surveys in the vicinity of triangulation station END 1929 as call for in the instructions.

MAGNETICS: Declinatoire # 2

Declinatoire observations were made at triangulation stations TAN 1941, NUN 1941 and PIN 1941. A special report has been prepared on the standardization of declinatoires used by this party during the summer field season and has been forwarded to the Washington Office. Please refer to this report when checking the observations for corrections to be applied.

STATISTICS:

Shore line - - - - - 0.0 stat. mi.

Traverses run - - - - - 5.7 " "

Topographic signals located - - - - - 29

Air photo. control stations:

Triangulation station	SPEC 1941
"	RASP 1941
PIN	PIN RK #2 1941
"	PIN RK #1 1941

Respectfully submitted,

John C. Bull

John C. Bull, Jr. H. & G. Engr.

Jan 19, 1942

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

Remarks

Decisions

1		580 525
2		580 530
3		
4		580 530
5		
6		580 535
7		580 530
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No.

T6840b

Graphic Control

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

Name on Survey

A,

B,

C,

D

E

F

G

H

K

Afognak Island

1

Cape Nuniliak

2

Driver Bay

3

Raspberry Strait

4

Raspberry Island

5

Shelikof Strait

6

Steep Cape

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

by L. Heck 5/29/42

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTO STATION~~

~~No. T~~

No. T **T6840** a & b
~~Graphic Control~~

received **May 18, 1942**
registered **May 25, 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
20			
22			
24			
25			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	R. W. Knox
----	------------

W. W. Knox