

6837 a&b Graphic Control6837 a&b Graphic Control

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. T - 6837 a+b <small>Graphic Control</small>
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	
MAY 18 1941	
Acc. No. _____	
State <u>Alaska</u>	
LOCALITY	
<u>Raspberry Strait</u>	
_____	
_____	
_____	
1941	
CHIEF OF PARTY	
L.C. Wilder, H. & G. Engr.	

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

T6837a  
Graphic Control

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. "B"

REGISTER NO. T-6637

T6837a  
Graphic Control

State Alaska

General locality Raspberry Strait

Locality Yukuk Bay and Vicinity  
~~Between Afognak Id. and Raspberry Id.~~

Scale 1:10,000 Date of survey August, 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

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

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET, REG. No. ~~T-6887~~ <sup>T6887a</sup> <sub>Graphic Control</sub>

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 NEAR 1941, (Lat. 58 - 00.5, Long. 152 - 57.2) northwestward to the vicinity of triangulation station OVER 1941 (Lat. 58 - 02.7, Long. 153 - 01.6). 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 and intersection stations established by this party during the 1941 summer field season.

METHODS OF SURVEY:

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

The shore line is shown only at marked triangulation stations for Air Photographic control and at other set-ups when time permitted.

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 one elevation was more than 10 feet from the mean 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:

Topographic signals WIN and SAW, in the vicinity of TIGER CAPE, are the only recoverable topographic signals on this sheet. Form 524, Description of Recoverable Hydrographic or Topographic Station, has been prepared and will accompany this report.

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 ISLAND is the charted name and is in local usage.
- ✓ RASPBERRY STRAIT is the charted name and is in local usage.
- ✓ TIGER CAPE is the point of land at signal AYE that extends about 300 meters out into the Strait from the general trend of the shore line in this vicinity. There are several shoals near this point. It is locally known as Tiger Cape.
- ✓ WASKANARESKA BAY is the first small bay on the northeast side of the Strait when entering from the southeast. This name is in local usage.
- ✓ COTTONWOOD BAY is the second small bay on the northeast side of the Strait when entering from the southeast and is locally known by this name.
- ✓ THE GREBEN is the prominent glacial deposit at signal HI. It forms the northeast shore of the only bay found on the southwest side of the



Strait. This name is in local usage.

✓ SELIEF BAY is the only bay found on the southwest side of the Strait and is an excellent small boat anchorage. It is found in the vicinity of signal HI and Triangulation station BAN 1941. THE GREBEN forms the northeast shore of the bay. It is locally known by this name.

LANDMARKS:

Form 567, Landmarks for Charts, has been prepared and was 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 the south side of the strait is mostly rock ledge with intervening gravel beaches. The shore line on the northeast side of the strait is mostly gravel and boulder beach with intervening rock ledge.

The extreme point of TIGER CAPE in the vicinity of signal AYE, (Lat. 58 - 01.2, Long. 152 - 59.2) is very changeable. This point is made up of gravel and small boulders and when a strong N.W. or S.E. wind blows the tip of the point may<sup>move</sup> as much as 15 meters in a N.W. or S.E. direction with signal AYE as the pivot point.

Raspberry and Afognak Islands are wooded to an elevation of about 400 to 600 feet. The wooded area decreases to the N.W. and at the N.W. end of the sheet the wooded area has an elevation of only about 150 feet. The N.W. limit of this sheet is practically the western limit of the trees in the strait, except in the valleys and a few patches on the slopes. Heavy grass is found to an elevation of about 1200 feet and from here to the summits little or no vegetation is found.

JUNCTIONS:

On the southeast this sheet makes a junction with sheet T - 6836<sup>a</sup> 1941 in the vicinity of triangulation station NEAR 1941. On the northwest it makes a junction with sheet T - 6838<sup>b</sup> 1941, in the vicinity of triangulation station OVER 1941.

MAGNETICS: ----- Declinatoire #2

Declinatoire observations were made at triangulation stations NEAR 1941, BIG 1941 and OVER 1941. A special report has been prepared on the standardization of the 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 observations for corrections to be applied.

STATISTICS:

Shore line ----- 0.8 stat. mi.

Traverses run ----- 0.0 " "

Topographic signals located ----- 31

Air Photo. Control stations:

Triangulation station GRASS 1941

Triangulation station SPIT 1941

Respectfully submitted

*John C. Bull*

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

Jan 19 19, 1942

*This graphic control sheet 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
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# GEOGRAPHIC NAMES

Survey No.

**T6837a**  
**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>Afognak Island</u>									1
<u>Cottonwood Bay</u>									2
<u>Raspberry Island</u>									3
<u>Selief Bay</u>									4
<u>The Greben</u>									5
<u>Tiger Cape</u>									6
<u>Raspberry Strait</u>									7
<u>Wasikanareska Bay</u>									8
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Names underlined in red approved  
by L. H. Hecr on 5/24/42

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. "D"

REGISTER NO. 4-6869

T6837 b

Graphic Control

State Alaska

General locality Raspberry Strait

Locality Between Raspberry and Afognak Islands

Scale 1 : 10,000 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

Remarks: Sheet consists of control for hydrography and

air photographs.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET REG. No. ~~6639~~

T6837b  
Graphs 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 TIE 1941 (Lat. 58 - 06.7, Long. 153 - 02.8) to the vicinity of triangulation station DOLPHIN PT. LT. 1941 (Lat. 58 - 06.2, Long. 153 - 09.4). It is bounded on the north by Afognak Island and on the south by Raspberry Island.

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.

METHODS 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 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 SIGNALS:

There are no recoverable topographic signals 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.

Muskmee in Lieut Wilder's Coast Pilot Report

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

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

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

✓ MUSKOME<sup>E</sup> BAY is the name of the bay that extends to the northeastward from Raspberry Strait, in the vicinity of triangulation station MOE 1941, (Lat. 58 - 05.9, Long. 153 - 04.8) to triangulation station TIE 1941, (Lat. 58 - 06.6, Long. 153 - 02.8). It is locally known by this name.

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

✓ IRON CREEK is the name of the herring reduction plant found on this sheet and is locally known by that name.

LANDMARKS:

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



T6837 b

Graphic Control

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 with intervening gravel and boulder beaches.

The slopes of Afognak and Raspberry Island 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 to the summits little or no vegetation is found.

JUNCTIONS:

In the vicinity of triangulation station IRON CREEK 1941 (Lat. 58 - 05.2, Long. 153 - 05.7) and triangulation station MUSK 1941 (Lat. 58 - 05.6, Long. 153 - 04.8) this sheet makes a junction with sheet T - 6838<sup>6b</sup>, 1941. On the west in the vicinity of triangulation station DOLPHIN PT. LT. 1941 it makes a junction with sheet T - 6840<sup>a(1941)</sup>. Triangulation station DOLPHIN PT. LT. is found at Lat. 58 - 06.2 and Long. 153 - 09.4.

MAGNETICS: - - - - Declinatoire # 2

Declinatoire observations were made at triangulation stations TIE 1941, MOE 1941 and GLOM 1941. A special report has been prepared on the standardization of the 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 - - - - - 0.3 stat. mi.

Traverses run - - - - - -0.00 " "

Topographic signals located - - - - - 13

Air Photo. control stations: TIE 1941, IRON CREEK 1941 and DOLPHIN PT. LT. 1941



Respectfully submitted,

*John C. Bull*

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

Jan. 19, 1941

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

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



## Remarks

## Decisions

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# GEOGRAPHIC NAMES

Survey No.

**T68376**

**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>Afognak Island</u>										1
<u>Dolphin Point</u>										2
<u>Iron Creek</u>										3
<u>Raspberry Island</u>										4
<u>Raspberry Strait</u>										5
<u>Muskowee Bay</u>										6
<u>Muskowee Bay</u>										7
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Names underlined in red approved  
by L. Heck on 5/24/44

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOSTAT OF~~

~~No. 11~~

No. T

**T6837**

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.

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82	<b>R. W. Knox</b>
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*W. W. K.*