

ORIGINAL

6836a & b Graphic Control

6836a & b Graphic Control

Form 504 Rev. April 1935	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. T-6836a & b <small>Graphic Control</small>
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	
MAY 18 1942	
Acc. No. _____	
State <u>Alaska</u>	
LOCALITY	
<u>Southeast Entrance of Raspberry</u>	
Strait.	
_____ 193 41	
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. "A"

REGISTER NO.

T6836a

Graphic Control

State Alaska

General locality Raspberry Strait

Locality Southeast Entrance of Raspberry Strait

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, 19

Remarks Sheet consists of control for hydrography and

Air Photographs

DESCRIPTIVE REPORT

to accompany

T6836 a ~~Graphic Control~~

TOPOGRAPHIC SHEET, REG. No. ~~T-6636~~

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 southeast entrance of Raspberry Strait (Long. 152 - 50) northwestward along Raspberry Strait to Long. 152 - 57. It is bounded on the north by Afognak Island (Lat. 58 - 01) and on the south by Afognak Strait and Kupreanof Strait (Lat. 57 - 58).

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 and off-lying rocks. Off lying rocks were visited and the time and height noted. From this information the height above M.L.L.W. was determined

In the Narrows in the vicinity of Triangulation station ISLE 1941 and topographic signal TUB the elevations of the rocks shown were determined by a system of levels using the plane-table and alidade as the level and the back of the telemeter rod, graduated to feet and

tenths, as the rod. The rod was held at the water level and the time noted for tidal corrections. From this point the levels were carried forward and the location and elevation were determined for the rocks shown.

On August 8, 1941 at 10:33 the tide was observed at a point established by the levels to be M.L.L.W. and it was found that this point when scaled from the marigram at Nachalni Id. Tide Gage is $2\frac{1}{2}$ feet above M.L.L.W.

The error is believed to be caused by distance from the gage, confined entrance to a large flat area, heavy kelp growth on the bottom and gravel and boulder bottom. All of these features tend to hold the tide back. It is believed that this condition is found only on the rising tide when the area is first being flooded. After the area is flooded it is believed that a state of equilibrium is reached as the flow of water is from both the southeast and northeast end of the Narrows.

The elevation of the rocks shown on the sheet are the values determined by levels.

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. Where 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 by Air Photographs.

The rock points shown on the sheet were located by sextant fixes, with check angles, and sketched on the sheet. These rock points were located to help in the compilation of the shore line from the photographs. The following rock points were located by sextant fixes:

In The Narrows -- at signal COW, 100 m. N.W. of LAP, the rock 290 m. N.W. of DIG, the rock 75 m. S. of FRONT, 284 m. N.W. of TUB, 200 m. N.W. of TOP.

In Raspberry Strait -- at signal OUR, 138 m. N.W. of OUR, 410 m. N.W. of OUR and the rock 210 m. S.E. of BOX.

In The Slough -- at signal CUT, 138 m. S. of CUT, 156 m. S. of RIB.

In Afognak Strait -- 180 m. S.W. of OUT, 130 m. N.E. of OUT.

GENERAL:

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

The shore line is mostly rock ledge with intervening gravel and boulder beaches and off-lying dangers.

Little Raspberry Island is heavily wooded and has no prominent features. Raspberry Island and Afognak Island are heavily wooded to an elevation of about 600 to 800 feet then heavy grass to an elevation of about 1000 to 1200 feet then little or no vegetation to the summit.

Coast Pilot Notes, and Sailing Directions for Raspberry Strait, The Narrows and The Slough have been written 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 of value 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 STRAIT is the charted name and in local usage

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

- ✓ DERANOF ISLAND is the charted name and in local usage.
- ✓ RASPBERRY ISLAND is the charted name and in local usage.
- ✓ NOCHLEGA POINT is the charted name and in local usage
- ✓ THE NARROWS is the name given the most used entrance to Raspberry Strait because it is so narrow and is locally known by that name.
- ✓ LITTLE RASPBERRY ISLAND is the name of the small island at the southeast entrance of Raspberry Strait between Afognak and Raspberry Islands and locally known by that name.
- ✓ THE SLOUGH is a side channel to Raspberry Strait and is locally known by that name.
- ✓ RASPBERRY STRAIT is the charted name and in local usage
- ✓ Mc CREANA POINT is the local name for the charted SHOAL POINT. Reason unknown.
- ✓ Mc CREANA REEF is the shoal area at the southeast entrance to THE NARROWS about 0.3 mi. south of SHOAL POINT. This name is in local usage, reason unknown.

LAND MARKS:

There are no land marks of prominence on this sheet.

JUNCTIONS:

On the southeast. this sheet makes a junction with surveys of 1907 and 1933. On the north west it makes a junction with topographic sheet T - 6837 of 1941 summer field season.

STATISTICS:

Shore line - - - - -	0.6 stat. mi.
Traverses run - - - - -	00 " "
Topographic signals located - - - - -	52
Air photo. control stations:	

Triangulation station DERANOF ROCK 1907 - 41

Triangulation station START 1941

MAGNETICS: ---- Declinatoire #2

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

Respectfully submitted,

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

Jan. 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
2		575 525
3		575 525 U.S.G.B
4		575 525
5		575 525
6	see Shoal Pt, No. 9, below.	575 525
7		580 530
8		"
9	Submitted to U.S.G.B: do not int pending its decision.	575 525
10		"
11		575 525
12		"
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GEOGRAPHIC NAMES

Survey No.

T6836a**Graphic Control**

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Afognak Island</u>										1
<u>Afognak Strait</u>										2
<u>Deranof Island</u>										3
<u>Little Raspberry Island</u>										4
<u>Mc Creana Reef</u>										5
<u>Mc Creana Point</u>										6
<u>Raspberry Island</u>										7
<u>Raspberry Strait</u>										8
<u>Shoal Point</u>										9
<u>The Narrows</u>										10
<u>Nochlega Pt.</u>										11
<u>The Slough</u>										12
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Names underlined in red approved
by L. Heck on 5/24/42

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. "C"

REGISTER NO. ~~T-6658~~

T6836 b
Graphic Control

State Alaska

General locality Raspberry Strait

Locality Between Afognak and Raspberry 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, 19 41

Remarks: Sheet consists of control for hydrography and
air photographs

T6836 b
Graphic Control

DESCRIPTIVE REPORT

TO ACCOMPANY

T6836 b6
Graphic Control

TOPOGRAPHIC SHEET REG. N. ~~T-6638~~

M. V. "E. LESTER JONES".

L. C. Wilder, Chief of Party

PROJECT - - - - - CS - 263

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 OVER 1941 (lat. 58 - 02.7, Long. 153 - 01.6) northwestward to the vicinity of triangulation station MUSK 1941 (Lat. 58 - 05.6, Long 153 - 04.80). 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 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:

The only conspicuous objects on this sheet were located by triangulation therefore no recoverable topographic stations will be listed.

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 in local usage.

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

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

✓ 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 small bay on the southwest side of the Strait at the southeast end of this sheet. It is an excellent small boat anchorage.

THE GREBEN forms the northeast shore of the bay. It is locally known by this name.

✓ PORT WAKEFIELD, PORT VITA, and IRON CREEK are the names of the three herring reduction plants on the southwest side of the Strait. They are locally known by these names and are found in this order named when entering the Strait from the southeast.

LANDMARKS:

T6836 b

Graphic Control

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 the 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 there is little or no vegetation.

JUNCTIONS:

On the southeast this sheet makes a junction with sheet T - 6837, a 1941, in the vicinity of triangulation station SPIT 1941. On the north west it makes a junction with sheet T - 6838, b 1941, in the vicinity of triangulation station MUSK 1941.

MAGNETICS: * * * * Declinatoire #2

Declinatoire observations were made at triangulation stations SPIT 1941, FOOT 1941 and SKIN 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 - - - - -	0.2 stat. mi.
Traverses run - - - - -	6.0 " "
Topographic signals located - - - - -	8

Air Photo. control stations;

Triangulation station WAKE 1941

Triangulation station VITA 1941

Respectfully submitted,

John C. Bull

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

Jan. 19, 1941

*This survey has been compared
with the 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		580525
2		580 530
3		"
4		"
5		580530
6		"
7	May be Yukuk Bay at chart 8534: int do not Pending US & B. decision	"
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GEOGRAPHIC NAMES

Survey No.

T6836 b

Chart 36

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>Iron Creek</u>										2
<u>Port Vita</u>										3
<u>Port Wakefield</u>										4
<u>Raspberry Island</u>										5
<u>Raspberry Strait</u>										6
<u>Selief Bay</u>										7
<u>The Greben</u>										8
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Noted and corrected in ed. app. 30
by H. C. K. on 5/29/42

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT

~~PHOTOGRAPH~~

~~No. H~~

No. T **T6836** a & b

Graphic Control

received May 18, 1942
registered May 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

RWK