

4144

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Alaska

11-5613

DESCRIPTIVE REPORT.

Topo. Sheet No. 4144 F

LOCALITY:

Alaska Pen.

Belkofski Bay and to Vic. of

Gold Bay

1925

CHIEF OF PARTY:

R.F. Luce

- DESCRIPTIVE REPORT -

To accompany Topographic Sheet "F" (Belkofski Bay, Cape Bold, etc.)

LIMITS:

This sheet represents the topography of Belkofski Bay, Cape Bold, etc., and extends from triangulation station Bel, Lat. 55-04-27 N., Long. 162-03-22 W., to hydrographic signal Bloc, Lat. 55-01-49 N., Long. 162-17-22 W., and from triangulation station King, Lat. 55-02-25 N., Long. 162-20-45 W., to triangulation station Cold, Lat. 55-02-01 N., Long. 162-24-29 W. At Belkofski Point, and at several places inside Belkofski Bay, it overlaps the work done by Mr. E. E. Smith in 1911. At hydrographic signal Bloc and at triangulation signal King, it connects with topographic sheet "G", Str. PIONEER, 1925, and at triangulation station Cold it connects with the work of Mr. A. J. Hoskinson, Str. Pioneer, 1924.

CONTROL AND SURVEY METHODS:

Triangulation stations Slope, King, and Cold were recovered from previous work. All other points of control were established by the Str. PIONEER, 1925, by third order triangulation, except stations Chop and Tin which were established by intersection.

The shore line and hydrographic signals were located by plane table traverse between triangulation stations. All closing errors were well within the limit of accuracy required, and all errors were adjusted in the field by distributing the error equally thruout the traverse.

The form lines were executed after the traverse was completed. The control points were located by plane table by three cuts from triangulation stations, except those between hydrographic signal Hit and triangulation station Cold, which were located from the Launch WILDCAT by sextant angles from three positions.

GENERAL DESCRIPTION OF SHORE LINE:

From Belkofski Point to the south entrance to Kitchen ^{Anchorage} Harbor, the shore line is an irregular broken cliff. At Belkofski Point this cliff has an average height of about twenty-five feet, and gradually rises toward Kitchen Anchorage until it reaches a height of about three hundred feet at Hydrographic signal Bos. In Kitchen Anchorage the shore line is a broken cliff formation, except at the head of the anchorage, where it is a sand and gravel beach. The eastern shore of Captain's Harbor is a cliff. The western shore of Belkofski Bay from its head to Indian Head is a low grass covered slope with a sand and gravel beach extending to the low water line, except for rock cliffs between hydrographic signals Bone and Foot, between Bar and Face, and between Nest and Tot. With the exception of low grass covered slopes between Indian Head and hydrographic signal Met and between signals Slug and Hit, the shore line from Indian Head to hydrographic signal Bloc is a very rugged cliff with a maximum height of about three hundred feet. The shore line from triangulation station King to triangulation station Cold is a precipitous cliff, which reaches a maximum elevation of about two-hundred feet between hydrographic signals High and Dog.

ANCHORAGES:

Large crafts will find good protection in any but southerly weather in the bight North of Indian Head, in ten to twenty fathoms with good holding ground.

To accompany Topographic Sheet "F" (Belkofski Bay, Cape Bold, etc.)

Smaller crafts may anchor more inshore with fair protection, but the holding ground is not/good.

Kitchen Anchorage: There is good protection in this anchorage except in Northwesterly weather. Anchor in the center of the anchorage in twelve to twenty fathoms. The holding ground is good.

Captain's Harbor: The inner part of Captain's Harbor is very well protected in all weather and the holding ground is good. The entrance is narrow, and tidal currents of from one to two knots will be encountered at full ^{8⁰⁰} and ebb. The general depth inside is from five to eight fathoms. The Harbor is especially good for small crafts. In the outer part of the harbor the holding ground is too sandy for good anchorage.

LAND MARKS & AIDS TO NAVIGATION:

A Light. (Blinker type) On Belkofski Point. Location --- signal Grand.

Table Rock.--- A large flat rock about thirty-five feet high and one hundred feet in diameter. Location --- Signal Flat.

Indian Head.--- A rocky bluff about thirty feet high and three hundred feet long. Location --- triangulation station Tom.

A peak.--- A seven hundred foot peak at the extremity of Morgan Point. It is especially noticable because of its regular conical shape and mushroom shaped rock cap at the top.

NEW NAMES:

Table Rock.--- A well established local name for the large rock off Cape Bold. Location--- signal Flat.

Indian Head.--- A well established local name for the rock bluff at triangulation station Tom.

Slavna Point.--- Well established local name for the high rocky point at triangulation station Cold.

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Station	Description	Latitude	DM	Longitude	D.P.
Bloc	White Wash Rk	55°-01'	1515	162-17	400
Man	" " "	55-01	1290	162-17	175
Fall	Water Fall	55-01	1245	162-17	12
step	White Wash Rk.	55-01	1086	162-17	1000
Pon	" " "	55-01	845	162-16	715
Kelp	" " "	55-01	663	162-16	415
Bed	" " "	55-01	575	162-16	147
Slip	" " "	55-01	525	162-15	1007
In	" " "	55-01	430	162-15	580
To	" " "	55-01	445	162-15	245
White	" " "	55-01	478	162-14	1015
Wash	" " "	55-01	605	162-14	765
Pail	" " "	55-01	695	162-14	465
Flat	W.W. on Table Rk	55-01	850	162-13	978
Hack	White Wash Rk	55-01	1170	162-13	610
Ham	" " "	55-01	1347	162-13	255
Hay	" " "	55° 02	315	162-12	995
Hod	" " "	55-02	715	162-12	725
Hub	" " "	55-02	1210	162-12	508
Hit	" " "	55-02	1544	162-12	273
Slat	" " "	55-03	350	162-11	1040
Slug	" " "	55-03	1002	162-11	585
Get	" " "	55-03	1570	162-11	405
Mat	" " "	55-04	170	162-11	570
May	" " "	55-04	462	162-11	807
Mos	" " "	55-04	1030	162-12	334
Met	Tripod sig	55-04	1540	162-12	570
Gay	" " "	55-05	305	162-12	480
Bot	White Wash Rk	55-05	720	162-12	108
Tox	Tripod sig	55-05	677	162-12	575
Tot	White Wash Rk	55-05	1268	162-12	985
Post	" " "	55-05	1602	162-13	140
Bird	W.W. atop of cliff	55-06	108	162-13	512
Nest	Tripod sig	55-06	484	162-13	753

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Sta.	Description	Latitude	DM	Longitude	D. P.
Jug	W.W. on Rk in water	55-06	1255	162-13	548
Fan	Tripod sig	55-07	345	162-13	315
Fad	Tripod sig	55-07	861	162-13	00
Face	Whitewash Rk.	55-07	1602	162-12	348
Eye	" "	55-08	02	162-12	937
Ear	" "	55-08	365	162-12	650
Ball	" "	55-08	1270	162-11	52
Foot	Tripod sig	55-08	1582	162-11	988
Bras	W.W. Rk.	55-09	140	162-11	842
Bone	" "	55-09	558	162-11	760
Clam	Tripod	55-09	845	162-10	16
Clog	"	55-09	935	162-09	485
Club	"	55-09	918	162-08	946
Nig	"	55-09	628	162-07	946
Nit	"	55-09	493	162-07	603
Nut	"	55-09	608	162-06	855
Base	"	55-09	1085	162-05	915
Arm	"	55-09	1542	162-06	170
Ark	W.W. on Rk in water	55-10	435	162-05	808
Ant	W.W. Rk.	55-10	580	162-05	510
Ago	" "	55-10	750	162-04	895
Ash	" "	55-10	438	162-04	590
Bag	" "	55-10	172	162-04	640
Band	Tripod	55-10	45	162-04	1052
Bank	"	55-09	1750	162-05	478
Sam	W.W. on Rk	55-09	870	162-05	658
Bat	" " "	55-09	466	162-05	890
Bed	" " "	55-09	135	162-06	384
Beak	" "	55-09	02	162-06	670
Bill	" "	55-08	1808	162-06	722
Bob	" "	55-08	1395	162-06	858
Bold	" "	55-08	450	162-07	162
Bon	" "	55-08	316	162-07	144
Bond	" "	55-07	1846	162-06	648
End	Tripod	55-07	1352	162-06	350

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Sheet III

Sta.	Description	Latitude	DM	Longitude	D.P.
Hut	Small House	55-07	1055	162-06	923
Wet	W.W. RK	55-07	944	162-07	273
Box	" "	55-07	232	162-07	1040
Set	" "	55-06	1650	162-08	222
Go	" "	55-06	1548	162-08	172
Bes	" "	55-06	1310	162-07	980
Bay	" "	55-06	994	162-07	738
Dig	Water fall	55-06	548	162-06	1020
Day	" "	55-06	308	162-06	587
Dot	W.W. RK	55-06	258	162-06	450
SON	" "	55-05	1755	162-06	35
cab	" "	55-05	1480	162-05	794
New	" "	55-05	1438	162-05	630
Pot	" "	55-05	1054	162-05	246
Bug	" "	55-05	1005	162-05	52
BUT	" "	55-05	903	162-04	928
can	" "	55-05	682	162-04	650
Cap	" "	55-05	452	162-04	468
Card	" "	55-05	185	162-04	158
Cave	" "	55-04	1685	162-04	11
Clay	" "	55-04	1303	162-03	572
Grand Light (Blinker)		55-04	813	162-03	88
Near	W.W. RK	55-04	1082	162-02	920
Kof	" "	55-04	1521	162-02	650

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Sta	Description	Lat	D.M.	Longitude	D.P.
Reef	water fall	55-02	917	162-21	262
Box	W.W.	55-02	1080	162-21	800
Tide	W.W.	55-02	1012	162-22	412
High	W.W.	55-02	1055	162-22	690
Dog	water fall	55-02	915	162-23	580
Arch	W.W. RK.	55-02	755	162-23	815
EN	W.W. RK	55-02	300	162-24	165
Bay	W.W. RK	55-02	518	162-24	328

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TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4144 F

State . Alaska

General locality . Alaska Peninsula

Locality Belkofski Bay and to Vic. of Cold Bay

Chief of party R. F. LUCE

Surveyed by . . R. L. Pfau

Date of survey July, 1925

Scale . . 1:20,000

Heights in feet above . High Water

Form line
~~Contour~~ interval . 100 . feet.

Inked by . R. L. Pfau Lettered by . . ~~R. L. Pfau~~ S. B. Grenell

Records accompanying sheet (check those forwarded): Photographs,

✓ Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . None

Remarks: