

4080

4080

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

SOUTHWEST ALASKA
State: _____

11-5613

DESCRIPTIVE REPORT.

Topog. _____ Sheet No. 4080

LOCALITY:

Alaska Peninsula

Eastern Shore of Cold Bay

AND

Lenard Harbor

1924

CHIEF OF PARTY:

R. R. Lukens

WASHINGTON

May 13, 1925.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4080

Cold Bay and Lenard Harbor, Alaska Peninsula.

Surveyed in 1924

Instructions dated February 27, 1923 and February 8, 1924.

Chief of Party, R. R. Lukens.

Surveyed and inked by A. J. Hoskinson.

- ✓ 1. The records as well as the plan and character of the survey conform to the requirements of the General Instructions.
- ✓ 2. The plan and extent of the survey satisfy the specific instructions.
- ✓ 3. The junction with the adjoining survey is satisfactory.
- ✓ 4. No further surveying is required.
- ✓ 5. The form lines are controlled by a sufficient number of determined heights.
- ✓ 6. Attention is called to the fact that Lenard Harbor is a very good anchorage, and the valley at the head of the harbor appears to be suitable for an airplane landing field.
7. The character and scope of the surveying and field drafting are excellent, ✓
8. Reviewed by E. P. Ellis, May, 1925.

Approved -
JB
FW.

DESCRIPTIVE REPORT

TOPOGRAPHIC SHEET " " EAST SHORE COLD BAY

U.S.C.&G.S.S. PIONEER

1924

R. R. LUKENS Cmdg.

LIMITS: This sheet on an scale of 1:20,000 represents the shoreline and form lines of Lenard Harbor and the eastern shore of Cold Bay, Alaskan Peninsula, S.W. Alaska, and extends from north Latitude 55-02 to 55-15 and from west Longitude 162-19 to 162-33.

The southern limit of the topography was carried around Cape Cold. The northern limit connects with the topography of D.W. Taylor (1924) at Signal Cove.

CONTROL AND SURVEY METHODS: The following points of control were located by ~~Primary~~ ^{Secondary} Triangulation (O.S. Reading, 1923) Signals Cold, Bear, Byrn Shoulder, Law, Ges, Hos, Dub, Rock, Nol, Black, Head, Hook, Neap, Cut, Wild, Bare, Bol, Tal, Will, and Cove. The shore line and the hydrographic signals were located by plane table traverse between triangulation signals. Any traverse that did not close by 10 meters to the mile was re-run in the reverse direction until the error was picked up. Errors of 10 meters or less were adjusted in the field by distributing the error equally throughout the traverse.

The control points for the form lines were located by at least three cuts from shore stations and the elevations computed from at least two stations for a check.

GENERAL DESCRIPTION OF SHORE LINE: The shoreline from Cape Cold around Kelp Point to Δ Rock is a broken cliff formation, with a narrow boulder beach extending to the low water line. In the upper end of Lenard Harbor a gentle grass covered slope extends from the high water line back to the foot hills. A wide gentle sloping valley extends back from the head of the Bay for several miles.

From Lenard Harbor to the northern limit of the sheet the shore line is a broken bluff formation partly eroded and partly grass covered, with an occasional stretch of steep rocky slides. The beach is narrow and boulder strewn except for a rocky ledge that extends out about 200 meters at Wild.

LANDMARKS: Signal Bear, a small detached rock about two miles north of Cape Cold, elevation about 20 feet.

Low Point, the only flat grass covered point between Cape Cold and Lenard Harbor.

INSHORE DANGERS: Small craft should not approach nearer than 400 meters any where along the shore from Cape Cold to Kelp Point. The presence of kelp during the summer months is a warning of shoal spots.

In the head of Lenard Harbor a reef covered at high water lies 400 meters off Δ Black. There is no kelp or warning at high water.

A ledge extends about 200 meters out from Will, covered at half tide.

Several rocks awash at low water from 300 to 500 meters off shore near Cove and half mile to southward.

ANCHORAGES: Large craft may anchor in the head of Lenard Harbor in good holding ground and fairly good protection, care should be taken to avoid the reef off \odot Black.

The best anchorage for small boats is in the first small bight to the westward of \triangle Hook on the northern shore.

NEW NAMES: Cape Cold, Low Point, Kelp Point.

Respectfully Submitted,

by
A.J. Hoskinson

*R. R. Luskens
Comedy*

U.S.C.&G.S.S. PIONEER

R. R. LUKENS
Chief of Party

East Side Cold Bay

List of Distances on Meridians and Distances on Parallels.

TOPOGRAPHIC SHEET

East Side Cold Bay and
Lenard Harbor.

NO.	NAME	LATITUDE			LONGITUDE			NOTES
		°	'	"	°	'	"	
1	Slip	55	14	735	162	30	585	W.W.Rock
2	Ned	55	14	268	162	30	562	"
3	Day	55	13	1775	162	30	496	"
4	Twin	55	13	1242	162	30	418	"
5	Dain	55	13	614	162	30	310	"
6	Brown	55	12	848	162	30	295	"
7	Crop	55	12	648	162	30	174	"
8	Sur	55	12	68	162	30	170	"
9	Buck	55	11	1420	162	30	98	"
10	Wed	55	11	1010	162	29	1021	"
11	We	55	11	784	162	29	928	"
12	Rus	55	11	518	162	29	1000	"
13	Mis	55	11	200	162	29	905	"
14	Prim	55	10	1810	162	29	855	"
15	Du	55	10	1676	162	29	853	"
16	Lac	55	10	1225	162	29	610	"
17	Rem	55	10	912	162	29	546	"
18	Bik	55	10	570	162	29	441	"
19	Her	55	10	186	162	29	330	"
20	Up	55	09	1800	162	29	212	"
21	Sma	55	09	1568	162	29	109	"
22	Gra	55	09	1356	162	28	942	"
23	Roc	55	09	1198	162	28	788	"
24	Dol	55	09	904	162	28	330	"
25	Ret	55	09	632	162	27	796	"
26	Ex	55	09	598	162	27	466	"
27	Off	55	09	525	162	27	373	"
28	Lo	55	09	470	162	27	162	"
29	Wig	55	08	1712	162	26	623	"
30	Stum	55	08	1185	162	26	152	"
31	Top	55	08	668	162	25	927	Tripod Signal
32	Yel	55	07	672	162	27	238	W.W.Rock
33	Out	55	07	1113	162	27	818	"
34	Las	55	07	1080	162	28	116	"
35	Net	55	07	962	162	28	248	"
36	Men	55	07	779	162	28	502	"
37	Lum	55	07	604	162	28	900	"
38	Rod	55	07	584	162	29	08	"

NO.	NAME	LATITUDE			LONGITUDE			NOTES
		°	'	"	°	'	"	
39	Nim	55	07	530	162	29	700	W.W.Rock
40	Hi	55	07	482	162	29	944	"
41	Tip	55	07	415	162	30	300	"
42	Eg	55	07	248	162	30	520	"
43	Ald	55	07	108	162	31	250	"
44	Fin	55	06	1242	162	31	184	"
45	Per	55	06	618	162	31	526	"
46	Tom	55	06	365	162	30	1025	"
47	Cat	55	05	1839	162	30	722	"
48	Dod	55	05	1418	162	30	607	"
49	Nod	55	05	940	162	30	506	"
50	Son	55	05	670	162	30	594	"
51	Man	55	04	1808	162	30	328	"
52	Net	55	04	1640	162	30	270	"
53	Rod	55	04	910	162	30	42	"
54	Pin	55	04	312	162	29	800	"
55	Ox	55	03	1234	162	28	965	"
56	Odd	55	03	668	162	28	433	"
57	Face	55	03	332	162	28	32	"
58	Rud	55	03	173	162	27	602	"
59	Tri	55	02	1728	162	27	220	"
60	Ab	55	02	1560	162	26	940	"
61	Gum	55	02	1330	162	26	512?	"
62	Nug	55	02	1228	162	26	266	"
63	Ral	55	02	1122	162	26	17	"
64	Near	55	02	982	162	25	827	"
65	Pip	55	02	772	162	25	622	"
66	Tie	55	02	704	162	25	490	"
67	Chin	55	02	605	162	25	233	"
68	Sin	55	02	500	162	24	998	"
69	Cove	55	02	138	162	24	1008	"
70	Big	55	02	42	162	24	858	"

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. ⁴⁰⁸⁰ 4080

State . S.W. Alaska

General locality . Cold Bay Alaska Peninsula

Locality Eastern Shore of Cold Bay + Lenard Harbor
~~Lenard Har. & E. shore of Cold Bay~~

Chief of party . R.R. Lukens

Surveyed by Albert J. Haskinson

Date of survey . June . 1924

Scale . 1 . - 20 000

Heights in feet above Mean sea level

Contour interval 100 . . feet.

Inked by . A.J.H. Lettered by . A.J.H.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, ☒ Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: