

4085

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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>SOUTHWEST ALASKA</u>
17-5613
DESCRIPTIVE REPORT.
Topog. Sheet No. <u>F 4085</u>
LOCALITY:
<u>ALASKA PEN.</u>
<u>Pavlof Bay -</u>
<u>Black Pt. to North Shore</u>
<u>1924</u>
CHIEF OF PARTY:
<u>R.R. Lukens</u>

# DESCRIPTIVE REPORT

TOPOGRAPHIC SHEET "F" WEST SIDE PAVLOF BAY.

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

1924

R. R. LUKENS Cmmdg.

LIMITS: Latitude 55-24 to 55-38, Longitude 161-34 to 161-48.

This sheet includes the topography of Pavlof Bay from  $\Delta$ Pav where it joins with sheet B to  $\Delta$ Dig where it joins with sheet G; also Ivan Island <sup>and</sup> the adjacent smaller islands.

GENERAL DESCRIPTION OF SHORE: At the south end of the sheet black sand and ashes with occasional grass patches extend back to the mountains. In the vicinity of  $\Delta$ Lagoon there is a group of lagoons and from  $\Delta$ Lagoon north is rolling grass country. At the north end of the sheet are three prominent rocky headlands about a mile apart, separated by bays with a lagoon leading from each bay. Ivan Island with steep rocky cliffs on all sides stands out boldly and there are two other similar but much smaller islands.

INSHORE DANGERS: These can be better covered on the Hydrographic sheet. On the topographic sheet are located a rocky reef bared at half tide between Ivan Id. and the main shore and two rocky islets in the vicinity of Round Id.

LANDMARKS: Of a number of excellent landmarks on this sheet the best are the islands.

Ivan Id with high, steep, rocky cliffs on all sides, and two prominent headlands at the N and SE ends, is very prominent in clear weather from any point in the bay.

Round Island, 2 miles NE true from Ivan Id, also has steep rocky bluffs and is a very prominent landmark. Gull Id is not so high nor rocky as Round Id but is quite prominent

The three headlands at  $\Delta$ Sam,  $\Delta$ Dig and midway between are easily recognised and are good landmarks for the northern end of the bay.

The large butte is very prominent.

SURVEY METHODS: The control is from Triangulation of this year by the Str. Pioneer. All shore line is by plane table traverse and all runs checked within allowable error.

The two headlands at  $\Delta$ Sam and  $\Delta$ Dig could not be easily rounded so for a short distance at each the traverse was run at the top of the bluff. Distances were estimated for points on the shoreline and checked by tangents.

The larger part of the shoreline of Ivan Id. was, of necessity, run from the top of the bluff. From  $\odot$ Trip to  $\odot$ Mill (counter clock wise) was run on a narrow beach; there are no beaches whatever on most of the rest of the outer shore. The signals on the NW side of the island from  $\odot$ Van to  $\odot$ Trip were located by cuts on the traverse from  $\Delta$ Lagoon to  $\Delta$ Sam.

Round Island and the two small islets are located by tangents taken from the main shore on the traverse between  $\Delta$ Lagoon and  $\Delta$ Dig. Gull island is shown as taken from the Hydrographic Launch sheet.

NEW NAMES: Round Island and Gull Island are new names, Ivan Island is locally known as John's Island. There are no ~~new~~ names for the lagoons.

*Approved  
R.R. Lusk*

Respecttfully submitted,

*Donald W. Taylor*

Donald W. Taylor



W. Shore Pavlov Bay

Approx. Lat. 55°28'7"

Looking Toward Ivan I.



South Shore Ivan I.

Taken near © Race

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

R. R. LUKENS  
Chief of Party

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## PAVLOF BAY

List of Distances on Meridians and Distances on Parallels.

TOPOGRAPHIC SHEET F

WEST SIDE PAVLOF BAY.  
North from Pav.

NO.	NAME	LATITUDE				LONGITUDE				NOTES.
		o	'	"	(METERS)	o	'	"	(METERS)	
1	Abe	55	24	1724	132	161	41	409	647	Signal
2	Bol	55	25	30	1826	161	41	430	625	Boulder
3	Cat	55	25	400	1456	161	41	645	410	Signal
4	Dog	55	25	1070	786	161	41	963	92	"
5	Ez	55	25	1260	596	161	41	1007	48	"
6	Fox	55	25	1761	95	161	41	1002	53	"
7	Go	55	26	222	1633	161	41	1031	24	"
8	Pile	55	26	847	1008	161	41	1000	55	"
9	Dune	55	26	1473	382	161	41	860	195	"
10	Lava	55	27	100	1756	161	41	902	152	"
11	Mel	55	27	1198	6658	161	41	758	296	Signal D.W.
12	Tri	55	27	1768	88	161	41	846	208	" " "
13	Mar	55	28	399	1457	161	41	721	333	" " "
14	Bank	55	28	804	1052	161	41	584	470	W.W.on bk. 1 way up blue
15	Ex	55	28	1180	676	161	41	540	514	Signal D.W.
16	Pont	55	28	1587	269	161	41	508	546	W.W.on Rocky Point
17	Cad	55	29	133	1723	161	41	678	376	Signal D.W.
18	Sum	55	29	651	1205	161	41	833	221	" " "
19	Will	55	29	1153	703	161	41	767	287	" " "
20	Cur	55	29	1703	153	161	41	761	293	" " "
21	Ent	55	30	126	1730	161	42	247	806	" " "
22	Nop	55	31	1069	787	161	39	614	439	W.W.on Rock
23	—	55	31	1116	740	161	39	458	595	"
24	Race	55	31	1110	746	161	39	212	841	"
25	Mill-Hed	55	31	1226	630	161	38	889	164	"
26	Square	55	31	1321	535	161	38	745	308	W.W.on Cliff
27	—	55	31	1432	424	161	38	813	240	Knoll
28	Nit	55	32	295	1561	161	38	941	112	W.W.rock
29	Pek	55	32	417	1439	161	38	981	72	Summit of Ridge
30	Van	55	32	968	888	161	39	241	812	W.W.on Cliff
31	—	55	32	721	1135	161	39	403	650	"
32	—	55	32	311	1545	161	39	605	448	Small W.W.on Cliff
33	Over	55	32	223	1633	161	39	761	292	W.W.rock
34	Trip	55	31	1637	219	161	39	957	96	"
35	—	55	31	1561	295	161	39	956	97	"
36	—	55	31	1295	561	161	39	882	171	"
37	Rat	55	31	1442	714	161	39	751	302	"
38	Bill	55	33	358	998	161	39	223	829	W.W.on offlying rock

NO.	NAME	LATITUDE				LONGITUDE				NOTES.
		°	'	"	(METERS)	°	'	"	(METERS)	
39	Bo	55	34	610	1246	161	38	462	589	Driftwood Sig.
40	Hut	55	34	1301	555	161	38	207	844	" "
41	Shine	55	34	11679	177	161	37	845	206	W.W. on Rky Point
42	Sand	55	35	681	1175	161	37	660	391	Driftwood Sig.

## Abbreviations used

W.W.      Whitenash  
 D.W.      Driftwood  
 S.C.      Signal Cloth  
 Sig.      Signal

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

March 25, 1925.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4085

Pavlof Bay, Alaska Peninsula

Surveyed in 1924

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

Chief of Party, R. R. Lukens.

Surveyed and inked by D. W. Taylor.

- ✓1. The records conform to the requirements of the General Instructions.
- ✓2. The plan and character of the survey conform to the requirements of the General Instructions ~~except that elevations should have been based on m.s.l. instead of h.w. (see paragraph 154 of General Instructions), and the magnetic meridian is not shown.~~
- ✓3. The plan and extent of the survey conform to the requirements of the specific instructions except that form lines were not shown, although they were specially called for.
- ✓4. The junctions with the adjacent surveys are satisfactory.
5. The character and scope of the surveying are <sup>good</sup> excellent, ~~except for the omissions noted.~~
6. Reviewed by E. P. Ellis, March, 1925.

*Approved -*  
*STB*  
*J. J. J.*

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. (E) 4085

State **SOUTHWEST** Alaska  
General locality ~~Pavlof Bay, Alaska Peninsula~~  
**Pavlof Bay - Black Pt. to North Shore**  
Locality ~~West Shore, from Sta. Pav to Sta. Dig~~  
Chief of party R. R. Lukens  
Surveyed by D. W. Taylor  
Date of survey August 1924  
Scale 1 : 20,000  
Heights in feet above High Water  
Contour interval ----- feet  
Inked by D. W. T. Lettered by D. W. T.  
Records accompanying sheet (check those forwarded): <sup>2 small</sup> Photographs,  
✓ Descriptive report, Horizontal angle books, Field computations,  
Data from other sources affecting sheet

Remarks: