

# 4146

4146

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
State: <u>Alaska</u>
11-5613
DESCRIPTIVE REPORT.
Topo. <u>Sheet No. (C) 4146</u>
LOCALITY:
<u>Alaska Pen.</u>
<u>Morzhovoi Bay to Ikatan Bay</u>
<u>1925</u>
CHIEF OF PARTY:
<u>R. F. Luce</u>

## DESCRIPTIVE REPORT

To accompany Topographic sheet "C"

### False Pass to Morzhovoi Bay

Survey made under Directors orders March 20, 1925.

#### GENERAL DESCRIPTION

The survey began at triangulation signal Dry and proceeded east and north along the beach to triangulation signal Slide.

With the exception of the two stretches of fine sand beach in the vicinity of signals Ma and Slab the coast is rugged and barren.

From signal Dry to signal Sim the mountain slopes sharply down to the beach, the last hundred feet or so terminating in an irregular bluff of rock slides eroded earth banks and short stretches of vertical cliffs. The beach is narrow and composed principally of blocks of rock brought down by the slides or forming a talus at the foot of the cliffs. It is a very difficult beach on which to land when a swell is running.

From signal Lo to signal Con the beach is very similar to the preceding section except that the mountain slope is steeper and more barren of vegetation and the cliffs and slides backing the beach are higher and more rugged.

From signal Pay to the stream beyond signal Lid the bluff backing the beach is very steep and rugged, it is principally rock cliffs of uneven formation, and reaches an approximate height of 300 feet near signals Lug and Lid.

From signal Ted to signal Slide the beach is rugged and boulder strewn and is backed by a sharp steep ridge of uniform height averaging a thousand feet. The face of the slope near the beach is broken by numerous cliffs and rock slides and is practically unvegetated.

The southern portion of the valley at signal Ma is very low and flat and a line of sand dunes from ten to thirty feet in height along the high water line completely conceal the small fresh water pond shown on the sheet. The floor of the valley and the lower slopes of the hills are covered with a rank growth of coarse grass broken by patches of alders.

The valley at signals High and Slab is slightly steeper than the one just described but very similar as to vegetation.

All the streams shown on the sheet are continuous flowing except in very dry years when a few of the smaller ones dry up.

#### OUTLYING DANGERS

None

#### CURRENTS

Tidal

#### LANDMARKS

The only distinctive landmark is the 500 ft. vertical rock cliff one fifth of a mile north east of triangulation signal Slide. The rock is volcanic in character and has a fluted appearance resembling organ pipes

which fact makes the bluff easy to recognize.

#### INSHORE DANGERS

With the exception of the few detached rocks shown along the beach- none of which are more than 150 meters from the beach- there are no inshore dangers worthy of note.

#### ANCHORAGE

Anchorage in from 25 to 30 fms. may be found at a distance of a mile to a mile and a quarter from the beach at any point. The only protection is in North Westerly weather and that is not recommended

#### SURVEY METHOD

Plane table traverse with fourth order triangulation control.

Elevations were determined and form lines and stream beds sketched in from the ship at five separate anchorages about a mile and a quarter off shore.

The error of closure between triangulation stations Dry and Wet was 5 meters in azimuth. This error was distributed over the total distance.

The error of closure between triangulation signals Wet and Slide was too small for adjustment.

*Sheet inspected by Commanding Officer on May 18, 19, 20, 26, 27, & Aug. 7, 1925*  
*" approved " " " " " Oct. 23, 1925.*

# False Pass - Morzhovoi Bay

Station	Latitude	Sec. Met.	Longitude	Sec. Met.	Remarks
Bull	54-55	1100	163-04	305	✓✓✓
Fla	"-55	1002	"-04	667	"
Hu	"-55	867	"-04	828	"
W.P.	"-55	743	"-04	1015	"
Ted	"-55	485	"-05	242	"
lor	"-55	396	"-05	661	"
na	"-54	1688	"-06	130	"
Al	"-54	1510	"-06	193	"
Lug	"-54	1309	"-06	510	"
Ton	"-54	1268	"-06	800	"
Pay	"-54	1229	"-06	1021	"
Pol	"-54	974	"-07	365	Lantern on pole
Trk	"-54	786	"-07	785	Tripod
Slac	"-54	579	"-08	29	" with slats
Hi	"-54	191	"-08	374	SE corner of shack
Coil	"-53	1394	"-08	621	✓✓✓
Pol	"-53	1060	"-08	668	"
Pol	"-53	860	"-08	655	"
Pin	"-53	505	"-08	1051	"
Hsl	"-53	152	"-09	569	"
Li	"-52	1656	"-09	844	"
Mer	"-52	1350	"-10	87	"
Pit	"-52	1010	"-10	490	"
Wil	"-52	745	"-10	810	"
Nat	"-52	581	"-11	100	"
no	"-52	509	"-11	515	"
W.P.	"-52	543	"-11	890	"
Spl	"-52	209	"-12	205	Doorway of cabin
Tip Str	"-51	1630	"-12	432	W.W.
W.P.	"-51	1379	"-12	629	"
Yes	"-51	1256	"-12	742	"
No	"-51	950	"-12	922	"
Toni	"-51	664	"-12	1041	"
In	"-51	380	"-13	80	"
Tip	"-51	60	"-13	69	"
W.P.	"-50	1523	"-13	72	"

ADDRESS THE DIRECTOR  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 11-DRM

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

April 16, 1926.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4146

Morzhovoi Bay to Ikatan Bay, Alaska Peninsula

Surveyed in 1925

Instructions dated March 20, 1925

Chief of Party, R. F. Luce.

Surveyed and inked by S. B. Grenell.

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 character of the survey satisfy the specific instructions.
3. The junctions with the adjoining surveys are satisfactory.
4. No further surveying is required.
5. The character and scope of the surveying and field drafting are excellent.
6. Reviewed by E. P. Ellis, March, 1926.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

4146

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. 4146

State Alaska . . . . .

General locality ~~S. W. Peninsula~~ Alaska Peninsula . . .

Locality ~~False Pass to Morzhovoi Bay to Ikatan Bay~~ . . .

Chief of party R. F. Luce . . . . .

Surveyed by S. B. Grenell . . . . .

Date of survey May 1925 . . . . . (See first binder series)

Scale 1:20,000 . . . . .

Heights in feet above Higher, high water . . . . .

**Form Line**  
~~Contour~~ interval 100 feet.

Inked by S. B. Grenell. Lettered by S. B. Grenell . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

Remarks: approved Oct. 23, 1925  
R. F. Luce  
Comd'g. Stn. Pioneer . . . . .