

4147

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Form 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State: <u>Alaska</u>
11-5813
DESCRIPTIVE REPORT.
Topo. Sheet No. <u>4147</u>
LOCALITY:
<u>Alaska Pen.</u>
<u>Ikatan Bay and Peninsula</u>
<u>1925</u>
CHIEF OF PARTY:
<u>R. F. Luce</u>

DESCRIPTIVE REPORT

To accompany Topographic sheet "B" Ikatan Bay and Peninsula.

LOCALITY AND LIMITS OF THE WORK

This sheet represents the topography of Ikatan Bay and the Eastern shore of Ikatan Peninsula as far as Cape Pankof Light. It extends from North latitude 54 - 39 to 54 - 51 and from West longitude 163 - 00 to 163 - 23.

CONTROL AND SURVEY METHODS

The Triangulation stations Pankof and Ikatan were recovered from old surveys by the Pioneer in 1923. The rest of the Triangulation stations were located by two directions in 1923. A third direction was taken in 1925 as a check. The shore line was located by a Plane table traverse between Triangulation stations. All closing errors were well within the limit of accuracy required and small errors were adjusted in the field by equal distribution between signals.

GENERAL DESCRIPTION OF THE SHORE LINE.

The western shore of Ikatan Bay from the Northern limit of the work to Ikatan Cannery is a low grass covered slope with an occasional short stretch of low rocky cliffs. From Ikatan Cannery to the Southern limit of the work the shore line is very rugged except for short stretches at the heads of East Anchor Cove and other small bights. The shore line of Sankin Island and the Northern shore of Ikatan Bay is steep and rocky. The cliffs in some places attain a height of nearly 300 feet with almost a sheer drop to the high water line. The beaches are in general narrow and boulder strewn with an occasional short stretch of sand and gravel.

ISLANDS AND INSHORE DANGERS

Sankin Island located in North latitude 54 - 48.7 and West longitude 163 - 17.7 is a small island about 350 feet high with very steep cliffs on all sides. Two rocky ledges lie about 200 meters off the northern end of the island.

About 0.8 mile North of Sankin Island is a small reef which bares at lower low water. There is a large kelp patch around the reef.

About one mile North East of Cape Pankof Light and about $\frac{1}{2}$ mile off shore are several small rocks 10 to 20 feet high. Triangulation station Reef is located on the largest one of the group.

ANCHORAGES

East Anchor Cove offers good protection in Southerly and Westerly weather but is exposed in Easterly weather. The holding ground is good in depths of from 10 to 17 fathoms.

The second small bight East of Ikatan Cannery is a good temporary anchorage in Southerly or Westerly weather.

LAND MARKS AND AIDS TO NAVIGATION

Cape Pankof Light (blinker type) location signal LITE.

Kabuch Point Light (blinker type) location signal BUCK.

Stack at Ikatan Cannery location signal STACK.

A large pinnacle rock about 150 feet high on the South entrance point to East Anchor Cove location signal POINT.

*Sheet inspected by Commanding
officer May 23, 24, June 6, 1925-*

*Spence
Comd'g Officer*

*Albert J. Hoskinson
H. J. H.*

		Long miles	Long miles					
Peg	54-50	1078	163-13	165				
Get	54-50	989	163-13	674				
Bat	54-50	692	163-13	755				
Bag	54-50	683	163-14	57				
Ba ¹	54-50	485	163-14	319				
Cod	54-50	290	163-14	818				
Cop	54-50	30	163-15	195				
Cot	54-50	30	163-15	483				
Dig	54-50	100	163-15	928				
DO	54-49	1758	163-16	355				
Day	54-49	1832	163-16	900				
Dot	54-49	1800	163-17	335				
Dog	54-49	1772	163-17	948				
Sig	54-49	1336	163-18	162				
Set	54-49	690	163-18	358				
Hot	54-49	215	163-18	141				
High	54-48	1810	163-18	568				
Big	54-48	1550	163-18	680				
Pay	54-48	1218	163-18	1052				
Last	1. Position			19247				
Tot	54-48	278	163-22	553				
Tab	54-47	1793	163-22	541				

		Lat	Long					
Red	54-47	11 02	163-22	503				
Tay	47	433	21	1006				
Tack	47	194	21	943				
Rock	47	343	21	923				
Fish	47	395	21	671				
Man	46	11 20	21	583				
Mat	46	472	21	11				
Mos	45	1848	20	527				
Mop	45	1132	20	99				
May	45	568	19	849				
Hut	45	270	19	449				
Black	45	325	18	1021				
Stack	45	432	18	938				
Nut	45	388	17	1021				
me	45	560	17	299				
Nig	45	698	16	905				
Go	45	510	16	423				
Gat	45	520	16	43				
GAP	45	474	15	744				
Gas	45	495	15	501				
Pop	45	963	15	203				
Pot	45	1252	14	823				
Pen	45	1058	14	281				
Post	45	690	13	871				

Ges	54-45	735	163-13	558
Gone	45	1025	12	1068
Gum	45	1424	12	692
Fast	45	1580	12	326
Slo	46	41	12	34
Up	46	363	11	620
At	46	426	11	590
Ask	46	729	11	473
Ark	46	1102	11	365
Arm	46	845	10	1032
Ate	46	462	10	910
Hen	46	82	10	695
Hop	45	1844	10	143
Age	46	365	09	694
Bos	45	1815	09	229
Bum	45	1814	08	873
But	45	1596	08	714
Art	45	1324	08	494
Rum	45	778	08	340
Rap	45	68	07	666
Rot	44	1213	07	96
Rose	44	822	06	1008

Ram	54-44	468	163-06	657				
Net	43	708	06	66				
One	42	1640	05	960				
Ore	42	1196	05	758				
Vin	42	658	05	873				
Fay	41	1668	05	679				
Fag	41	1260	06	11				
Fun	41	826	05	805				
Frost	41	628	05	246				
Fig	41	473	04	1022				
Fest	41	621	04	384				
Jay	41	616	03	749				
Jump	41	682	03	390				
Jig	41	1189	03	231				
Zone	41	1190	03	210				
Point	41	770	02	771				
Pin	41	563	03	65				
Key	41	174	03	411				
Low	40	1618	03	359				
Lot	40	1109	03	125				
Lane	40	922	02	988				
Duck	40	740	02	719				
near	40	466	03	21				
Far	40	210	03	203				
Long	39	1689	04	576				

AND REFER TO NO. 11-DRM

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

April 26, 1926.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4147

Ikatan Bay and Peninsula, Alaska Peninsula

Surveyed in 1925

Instructions dated March 20, 1925

Chief of Party, R. F. Luce. *

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 area covered by this sheet was surveyed on T. 2554 in 1901. The specific instructions direct that "Such revision work as is necessary to show existing conditions and for location of signals shall be executed on T. 2554." T. 2554 appears to be an adequate survey and the descriptive report of T. 4147 does not indicate why a new survey was considered necessary, but it probably was required for location of signals needed for the new hydrographic survey.
3. The junctions with the adjoining surveys are satisfactory.
4. There are no form lines from any source between triangulation points Dry and Sentinel Peak. Form lines for this area should have been shown on T. 4147. *on T. 2554*
5. No further surveying is required except for the form lines noted in the preceding paragraph.
6. The character of the surveying and field drafting are excellent. The scope of the surveying is good.
7. Reviewed by E. P. Ellis, March, 1926.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

4147

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. 4147 3

State . Alaska

General locality . Alaska Peninsula

Locality Ikatan Bay and Peninsula

Chief of party . . R. F. Luce

Surveyed by . . . Albert J. Hoskinson

Date of survey . . May 1925

Scale 1 - 25,000

Heights in feet above . High water

Contour interval . — . feet.

Inked by . A. J. H. Lettered by S. B. Grennell

Records accompanying sheet (check those forwarded): Photographs;

✓ Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: A pencil copy of D.M. and D.P. 's is included with the descriptive report and title sheet.

Sheet approved Oct. 28, 1925.
R. F. Luce
Comd'g. Officer