

C. & G. SURVEY  
L. & A.  
MAR 31 1930  
Acc. No.

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

State: S.W. ALASKA  
11-5613

DESCRIPTIVE REPORT.

Topo. Sheet No. C 4486

LOCALITY:

Kodiak Island

West Coast Alitak Bay

1929

CHIEF OF PARTY:

R. R. Lukens H. and G. Eng.

DESCRIPTIVE REPORT  
TO Accompany  
TOPOGRAPHIC SHEET C

WEST COAST OF ALITAK BAY

Scale 1:20,000

Instructions dated March 14, 1929.

4486

Str. SURVEYOR

R.R. Lukens, Com'dg.

LIMITS: The topography of this sheet included an extension and revision of the survey of 1906, sheet #2807, ALITAK BAY. RODMAN'S REACH was revised and extended to its head, the west coast of ALITAK BAY was extended to the entrance of DEADMAN BAY. The location of sufficient signals for use in hydrography was done. Form-lines were also drawn.

GENERAL DESCRIPTION: Rodman Reach is a narrow arm extending southward from LAZY BAY and inside of Tanner Head to ~~CAPE~~ CAPE ALITAK, and then extending northward for a distance of three miles, being separated from the sea by a shingle beach about 75 meters wide at high water. The last three miles consist of mud flats and is bare at extreme low water. The land north of RODMAN'S REACH is low rolling country, covered with thick moss and grass, upon which reindeer herds graze.

The land from CAPE ALITAK to LAZY BAY consists of numerous knolls which are partly grass covered. The shore line from the Cape to signal Bluff consists of cliffs of bare rock, and from that point to LAZY BAY a strip of fine black sand beach extends.

LAZY BAY is marked by TWIN PEAKS and EGG ISLAND on the north side, and affords the best anchorage on the south side of Kodiak Island. There is a cannery and wharf here, owned by the P.A.F., which has fresh-water facilities. There is also a general store, and a radio station is operated here.

The peninsula between KEMPF BAY and OLGA BAY is broken by mountain masses rising to a height of around 2000 feet (610m). Running in a north-west direction from a point about 1 mile inshore from the head of KEMPF BAY is a large salt water lagoon, which has an outlet in SHELIKOF STRAITS.

Between KEMPF BAY and MOSER BAY the shore is fronted by islands and rocks about 1 mile wide, the shores of which are fringed with reefs. The native village AKHIOK is on the shore 1 1/4 miles north northwestward from ROUND HILL and can be reached with small craft only at half tide, by going through KEMPF BAY.

Moser Bay is a large northwest arm of ALITAK BAY and affords a good harbor. The shore line consists of a sand beach on the north side with a number of summits sloping southward. The shore line on the south side is rocky with low cliffs. The ALASKA PACKERS CANNERY have a warehouse and dock just opposite Point Fassett. The warehouse is a large galvanized iron building. Two "bunk houses" are also located here, as well as ways for hauling out their barges.

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DEADMAN BAY is the northerly arm of ALITAK BAY. The peninsula between DEADMAN BAY and MOSER BAY is a high grassy ridge with a number of summits and slopes gradually southward. HIGH ROCK is a steep flat islet with grass on top and lies 200 yards off the peninsula between DEADMAN BAY and MOSER BAY. It is 35 feet high and shows as a small bluff against the low shore northward. The shore line from HIGH ROCK northward consists of low rocky cliffs with scattered stretches of sand and shingle beaches. FOX ISLAND is a long narrow rocky island with grass knolls the highest being about 90 feet (28m.), and lying about 2 miles north east of HIGH ROCK. It is very prominent in the approach to Deadman Bay. Two small rocky islets lie between Fox Island and High Rock, being 35 feet (11m.) and 25 feet (8 m.) high respectively.

LANDMARKS: The prominent feature in the approach to Alitak Bay are the Twin Peaks, North Twin being 1495 feet (467m.) high, and South Twin being 1310 feet (409m.) high. In the approach to Lazy Bay, Egg Island is very prominent being a small rocky island about 15 feet (4.6m.) high and lying on the north side of the entrance to the bay. A light, operated during the fishing season, is located on the island.

Round Hill, 193 feet (60m.) high is on the east end of the large island forming the north side of Kempff Bay. It is a small symmetrical grassy knoll, and quite distinctive.

Fox Island is quite distinctive in the approach to Deadman Bay. It is about 1100 meters long and 400 meters wide and lies about  $\frac{3}{4}$  mile offshore. The highest knoll on the island is 90 feet (28m.)

CHARACTER OF CONTROL USED: Three point fixes were used practically throughout the survey, detail being rodded in. Short stretches of traverse were run to locate signals for hydrographic use, these being checked by resection cuts, with no appreciable error. In the latter part of the work triangulation was extended through Moser Bay to Olga Bay but no topography was done in Moser Bay.

-CLOSING ERROR OF TRAVERSE RUN: A closing error of 10 meters was made in the traverse run from  $\Delta$  PIN to  $\Delta$  DEAD, which was proportionally adjusted for the distance. No error was made in azimuth. All other traverses checked.

DISCREPANCIES FROM OLD WORK: The shoreline of RODMAN'S REACH was found to be in error from 20 to 30 meters and was resurveyed. The island on which signal Ro is located was shown larger than it actually is. AKHIOK reef was shown to be larger than it actually is. No other revision of shore was found necessary as the location of the hydrographic signals checked the old shore line very closely.

NEW NAMES:

Well established local names:

FOX ISLAND

Names assigned by field officers:

WHITE ROCK - so named because of its light color

MOSER POINT - Point on north entrance to MOSER BAY.

# PLANE TABLE POSITIONS

OBJECT, Descrip.	LAT.	D.M.	LONG.	D.M.	HEIGHT	REMARKS
SAND, Sand Dune	56-52	427m.	154-14	202 m.	40ft.	Top of sand dune
RAD Radio Pole	56-53	1465m.	154-15	48m.	100 ft. approx.	South radio pole P.A.F.
POLE " "	56-53	1500m.	154-15	100m.	"	North pole P.A.F. Cannery
TANK Oil Tank	56-53	1290m	154-15	192m.	15 ft.	Southern oil tank, P.A.F.
WHITE ROCK	56-53	1757m.	154-12	336m.	10 ft.	Reef $\frac{3}{4}$ mile NE of EGG ID.
PO, rock with large hole in middle	56-54	1500 m.	154-10	368m.	20 ft	$\frac{1}{2}$ mile of ROUND HILL
WAREHOUSE, Galvanized iron	56-59	1810 m.	154-09	380m.	30 ft	Alaska Packers Moser Bay
BUNKHOUSE	57-00	80m.	154-09	405m.	20	Alaskers Packers Moser Bay
Flag, cupola on school house	56-56	970m	154-10	476m	50	In village of AKHIOK

STATISTICS:

MILES of shore line 22.5 statute miles

Area covered 40 sq. " "

Approved:

Respectively Submitted

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B.R. Lukens  
Com'dg. Str. Surveyor

P.L. Bernstein

P.L. Bernstein  
Jr. H and C Eng

*Titled*

Form 537a  
11-5813

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO.  
4486

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. C

REGISTER NO. **4486**

State S.W. ALASKA

General locality KODIAK ISLAND

Locality WEST COAST ALITAK BAY

Scale 1:20,000 Date of survey July - August, 192 9

Vessel Str. SURVEYOR

Chief of Party R. R. Lukens

Surveyed by P. L. Bernstein

Inked by P. L. Bernstein

Heights in feet above High Water to ground ~~to tops of trees~~

Contour, Approximate contour, Form line interval 100 feet

Instructions dated March 14, 192 9

Remarks: \_\_\_\_\_