

4387

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: S. V. Alaska

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. "K" ⁴³⁸⁷ **4387**

LOCALITY:

Two Arm Bay.

Kenai Peninsula.

1928

CHIEF OF PARTY:

R. R. Lukens.

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Topographic Sheet "K"

Note by Chief of Party:

CONTROL on this sheet is based on the triangulation of 1928. It depends on the old position and azimuth of the line Aialik - Chiswell as furnished by the office.

The sheet was inked before the topographic manual came out and that accounts for the magnetic meridians being in black.

The hinterland on this sheet consists of rugged mountains with many peaks and badly broken formation. There are many glaciers, and a few miles back there is the great ice cap which extends from Seidovia to Seward.

From 30 or 40 miles offshore, this country appears as a huge ice block with a few of the high peaks poking their heads through the ice. It is a marvelous sight, but due to the prevailing rainy misty weather, it is one that is seldom seen.

R. R. Lukens
R. R. Lukens.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "K".

TWO ARM BAY, KENAI PENINSULA,
SOUTHWEST ALASKA.

Director's Instructions dated February 18, 1928.

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EXTENT: This sheet extends from the west side of Harris Bay, Latitude $59^{\circ} 39'$; Longitude $149^{\circ} 57'$, to the west side of Two Arm Bay, Latitude $59^{\circ} 34'$; Longitude $150^{\circ} 06'$.

GENERAL DESCRIPTION: The shoreline shown on this sheet is steep and rocky except for a few boulder and sand beaches. Harris Point is a steep rocky point 1080 feet high. A few rocky islets are south of this point. Sandy Bay is a small open bay about 1-1/2 miles west of Harris Point. The head of the bay is a sandy beach but the east and west sides of the bay are rocky and rise abruptly from the water's edge. Marmot Point is steep and rocky and is made up of a series of peaks, the ridges of which run in a north and south direction. Marmot Point lies on the east side of the entrance to Two Arm Bay. ~~East~~ ^{North} Arm is a deep body of water about two miles wide at its entrance and gradually narrowing to about 3/8 of a mile in width at its head. The bay extends in a general north northwest direction for about 5-1/2 miles from Marmot Point. Bear Point, a steep rocky point, lies between ~~East~~ ^{North} Arm and West Arm, and divides the two bodies of water.

A group of small islets lies just south of Bear Point. West Arm is a deep body of water about 3/4 of a mile wide and indents the coast about two miles. Cloudy Point forms the west side of the entrance to Two Arm Bay. It is a very steep, rocky point about 1800 feet high.

The hills back of the shoreline support a sparse growth of spruce trees which grow mostly in the valleys. The peaks are rugged and composed of rocks.

SURVEY METHODS: The survey was accomplished by the usual plane table methods. All signals and rocks were located by resection, three point fixes, three or more cuts or single rod readings. The shoreline was located by rod readings as the survey proceeded along the coast.

Elevations were determined by plane table cuts and vertical angles, and the elevations of the peaks were checked. Form lines were sketched as the survey proceeded along the shore.

NAMES:

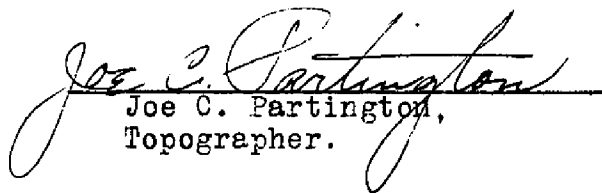
<u>Name</u>	<u>Place</u>	<u>Authority for name.</u>
Harris Point	West side of Harris Bay.	Named by survey party.
Sandy Bay	Bay between Harris Point and Marmot Pt.	" " " "
Marmot Point.	East side of Two Arm Bay.	" " " "
<i>North</i> East Arm	<i>North</i> East Arm of Two Arm Bay.	" " " "
Bear Point	Between <i>North</i> East Arm and West Arm of Two Arm Bay.	" " " "
West Arm	West arm of Two Arm Bay.	" " " "
Cloudy Point	West side of Two arm Bay	" " " "
Two Arm Bay		Taken from Chart No. 8527.

All names suggested by the survey party are in pencil; names taken from the chart are in ink.

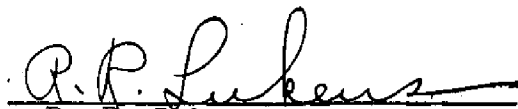
LANDMARKS: The only landmarks of importance on this sheet is the rocky islet off Harris Point, called Reef. This is a steep rocky islet seventy-eight feet high and marks the west side of the entrance to Harris Bay.

SHORELINE: 32.3 Statute miles.

Respectfully submitted:


Joe C. Partington,
Topographer.

Approved and forwarded:


R. R. Lukens,
Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

C. & G. SURVEY
L. & A.
FEB 25 1929
Acc. No.

REG. NO.

4387

TOPOGRAPHIC TITLE SHEET

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. "K"

REGISTER NO. 4387

State ~~S.W.~~ Alaska

General locality Kenai Peninsula

Locality Two Arm Bay

Scale 1:20,000 Date of survey July and August, 1928

Vessel SURVEYOR

Chief of Party R.R. Lukens

Surveyed by J.C. Partington

Inked by J.C. Partington

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

~~Contour, Approximate contour~~, Form line interval 100 feet

Instructions dated February 18, 1928

Remarks: