

3631

C. & G. SURVEY
L. & A.
JAN 9 1917
Acc. No.

Form 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State:
11-5813
DESCRIPTIVE REPORT.
<i>Top.</i> Sheet No. 3631
LOCALITY:
1916
CHIEF OF PARTY:

3631

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

E. Lester Jones, Superintendent.

DESCRIPTIVE REPORT

to accompany

Topographic Sheet No. 3631

SOUTHEASTERN SHORE OF KUIU ISLAND
VICINITY OF
POINT ST. ALBANS AND CAPE DECISION
SUMNER STRAIT SOUTHEASTERN ALASKA

by

WIRE DRAG PARTY NO. 4

L. O. Colbert, Chief of Party

Ernest Eickelberg, Topographer.

1916.

DESCRIPTIVE REPORT

TO

ACCOMPANY

TOPOGRAPHIC SHEET (A) 3631

KUIU ISLAND: SUMNER STRAIT S.E. ALASKA.

Surveyed by Wire Drag Party No.4; L.O.Colbert, Chief of Party.

May- June 1916.

Limits:

This sheet takes in the shoreline in the vicinity of Pt. St. Albans and Cape Decision. The completed shoreline extends five miles north of Pt. St. Albans and two miles west. It also takes in the offlying rocks at Pt. St. Albans and the rocks in the vicinity of triangulation station "Cleve." At Cape Decision the completed shore line extends $3\frac{1}{2}$ miles along the eastern side of the Cape, including North I. and South I. at the entrance of Port Mc Arthur. A survey of Fairway I. and its offlying rocks was made.

The sheet was laid out so as to take in the Spanish Islands, but it was found necessary to leave this vicinity in order to complete the wire drag work at the eastern end of Sumner Strait. For this same reason the contours on Cape Decision could not be gotten,

General Description and appearance:

Cape Decision:* respectively
Approximately 7 and 5 miles back from the E end of the Cape are two prominent bare peaks. Mt. Howard, the northernmost peak shows a prominent bare spot, very brown in color, when viewed from the north and east and when free from snow. This peak and also Mt. Mc Arthur slope sharply down to the head of Port Mc. Arthur. The slope from Mt. Mc Arthur toward Cape Decision is made gradually with a few prominent shoulders.

Fairway I. This is a small wooded island (170 ft, to tops of trees) with outlying reefs. The southernmost reef, $\frac{1}{2}$ mile due south from

Sheet 3

The reefs to the westward are awash at high tide, but there is a sunken rock about one mile south of Pt. St. Albans which breaks only in a heavy swell. Tide rips and swirls are noticeable in this vicinity and are shown on the topographic sheet.

The sunken rock shown on the sheet halfway between the black can buoy and triangulation station Cleve, was seen bare at an extreme low tide; there was some kelp surrounding it.

Animal Life:- this consists principally of deer, mink and some black bear and wolf. Seals are especially numerous among the rocks near Pt. St. Albans and Fairway I.

Among the birds seen were gulls, oyster crackers, various ducks, geese, and grouse.

Harbors, towns, etc.

Port Mc Arthur was the main harbor used for the work in the vicinity of Cape Decision. Another good anchorage for boats about 150 feet in length was found $1\frac{3}{4}$ miles west of Pt. Amelius and 8 miles north of Pt. St. Albans. It was named Louise Cove. The entrance is clear and ~~with~~ the harbor is free of shoals with the exception of a rock awash at low tide close to the west shore. Anchorage can be had in 7 fathoms with good swinging room at a point where the cove is almost landlocked. A small creek empties into the Cove.

The nearest Post Office is at Shakan, where fresh water and provisions can be obtained. There is a cannery of the Northwestern Fisheries at this place. There are no settlements in this vicinity. No salmon traps were seen, although Halibut fishing was being carried on near Fairway I and Pt. St. Albans.

Geographic Names:

Louise Cove- name given to harbor $1\frac{3}{4}$ miles west of Pt. Amelius and 8 miles north of Pt. St. Albans.

Methods of Survey:

L.O.L. 1916

SURVEY METHODS:

The instruments used consisted of the regular Coast Survey plane table and alidade. The open style of stadia rod built aboard the ship was used.

The topography was controlled by triangulation stations Cleve, Albans, Fairway and Decision. The shoreline was surveyed mostly by the three point method, also some traverse was run; all discrepancies in traverse lines were adjusted, the errors not exceeding 15 meters in two miles. The contour interval is 100 feet and all heights and elevations are given in feet above mean high water. The discrepancies in the determination of heights of hills did not exceed 25 feet, the hilltops being wooded and very indefinite. All elevations are therefore to the tops of trees which will average from 80 to 100 feet in height.

conflict?

TABLE OF STATISTICS:

Number of statute miles of shoreline - - - 17.0
 Area contoured, in square miles - - - - - 12.0
 Scale of sheet - - - - - 1: 20 000

Approved:

Respectfully submitted:

L.O. L.

Ass't., C. & G. Survey,

Ernest W. Eichelberg,

Ass't., C. & G. Survey.

Chief, W. D. Party # 4.

LIST OF PLANE TABLE POSITIONS

to

Accompany Topographic Sheet A, Kuiu I., Sumner Strait.

Southeastern Alaska.

Object	Latitude	D.M.	Longitude	D.P.	Remarks
Rock	56 00	800	134 07	545	150 m. offshore, & shows 5 ft. above high water.
Rock	56 00	1355	134 07	423	awash at H.W. 80 m offshore
Dark Shoulder	56 01	452	134 07	73	Dark colored shoulder on a wooded H.W. island.
Mossy hump	56 01	1453	134 06	858	On a rky point; 250 north of rock awash.
Rock	56 03	348	134 06	591	northernmost rock of ledge, 300 m. south of South I.
⊙ Nor	56 03	1552	134 06	27	marked and described, form 524
Rock	56 04	0	134 06	478	awash at L.W.? at entrance to Port Mc. Arthur.
Rock	56 04	503	134 06	818	awash at L.W. at entrance to Port Mc Arthur.
Ledge	56 01	1380	134 03	68	prominent, $\frac{1}{2}$ mi. S. Fairway I? awash at H.W.
⊙ Last	56 05	238	134 00	950	marked & described, form 524.
Ledge	56 04	1798	134 00	840	northernmost part, rky ledge, $1\frac{1}{2}$ mi. west Pt. St Albans
Rock	56 04	1595	134 00	212	12 ft above H.W., 2000 m. west of Pt. St. Albans.
⊙ Ho	56 04	1361	133 59	708	marked & described form 524.
⊙ Pol	56 04	632	133 59	507	15 feet above H.W., near west face of rock, $\frac{1}{2}$ mi. SW, St Albans
⊙ Rik	56 04	204	133 59	308	Hump on outermost rock, 1 mi. SW from Pt St Albans
L.H. Pt. ST. Albans	56 05	996	133 57	516	Pt St Albans Lighthouse
Buoy	56 05	(223)	133 55	(143)	Pt. St. Albans black can buoy No. 1.
Rock	56 05	845	133 56	300	awash, H.W. innermost rock of reef off Pt ST Albans
Rock Island	56 07	1782	133 55	47	2 small trees on island $\frac{3}{4}$ mi. west of station Cleve.
Rock	56 09	416	133 55	602	awash at H.W. 1 $\frac{1}{3}$ mis. N W from Station Cleve.
Rock	56 08	1203	133 54	768	awash at half tide, $\frac{2}{3}$ mi. NW from station Cleve.