Form 304
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: ________________________

DESCRIPTIVE REPORT.

Locality:

Sheet No. 3631

CHIEF OF PARTY: 1916
DEPARTMENT OF COMMERCE

COAST AND GEODETIC SURVEY

E. Lester Jones, Superintendent.

DESCRIPTIVE REPORT

to accompany

Topographic Sheet No. 2631

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 (3631)

KUUU ISLAND, SUMNER STRAIT S.F. 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 "Cleave." At Cape Decision the completed shore line extends 3½ 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:

Approximately 7 and 5 miles back from the 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 offlying reefs. The southernmost reef, ½ mile due south from
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 1/2 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 1/2 miles west of Pt. Amelius and 8 miles north of Pt. St. Albans.

Methods of Survey:
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.

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:

[Signatures]

Chief, W. D. Party # 4.
# List of Plane Table Positions

To accompany Topographic Sheet A, Kiu I., Sumner Strait.

Southeastern Alaska.

<table>
<thead>
<tr>
<th>Object</th>
<th>Latitude</th>
<th>D.M.</th>
<th>Longitude</th>
<th>D.P.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rock 56 00 800</td>
<td>134 07</td>
<td>545</td>
<td></td>
<td>150 ft offshore &amp; shows 5 ft. above high water.</td>
<td></td>
</tr>
<tr>
<td>Rock 56 00 1355</td>
<td>134 07</td>
<td>423</td>
<td></td>
<td>awash at H.W. 80 ft offshore</td>
<td></td>
</tr>
<tr>
<td>Dark Shoulder 56 01 452</td>
<td>134 07</td>
<td>73</td>
<td></td>
<td>Deep colored shoulder on a wooded H.W. island.</td>
<td></td>
</tr>
<tr>
<td>Mossy hump Rock 56 03 348</td>
<td>134 06</td>
<td>591</td>
<td></td>
<td>Northernmost rock of ledge, 300 m. south of South I. marked and described, form 524</td>
<td></td>
</tr>
<tr>
<td>Boat 56 03 1562</td>
<td>134 06</td>
<td>27</td>
<td></td>
<td>awash at L.W. at entrance to Port Mc. Arthur.</td>
<td></td>
</tr>
<tr>
<td>Rock 56 04 0</td>
<td>134 06</td>
<td>478</td>
<td></td>
<td>awash at L.W. at entrance to Port Mc. Arthur.</td>
<td></td>
</tr>
<tr>
<td>Rock 56 04 503</td>
<td>134 06</td>
<td>816</td>
<td></td>
<td>awash at L.W. at entrance to Port Mc. Arthur.</td>
<td></td>
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<tr>
<td>Ledge 56 01 1380</td>
<td>134 03</td>
<td>68</td>
<td></td>
<td>Prominent, ½ mi. S. Fairway If awash at H.W. marked &amp; described, form 524</td>
<td></td>
</tr>
<tr>
<td>Boat 56 05 238</td>
<td>134 00</td>
<td>950</td>
<td></td>
<td>awash at L.W. at entrance to Port Mc. Arthur.</td>
<td></td>
</tr>
<tr>
<td>Ledge 56 04 1798</td>
<td>134 00</td>
<td>840</td>
<td></td>
<td>Northernmost part, rocky ledge, 1½ mi. west Pt. St. Albans</td>
<td></td>
</tr>
<tr>
<td>Rock 56 04 1595</td>
<td>134 00</td>
<td>212</td>
<td></td>
<td>12 ft above H.W., 2000 m. west of Pt. St. Albans. marked &amp; described, form 524</td>
<td></td>
</tr>
<tr>
<td>Boat 56 04 1361</td>
<td>133 59</td>
<td>708</td>
<td></td>
<td>1½ feet above H.W., near west face of rock, 1 mi. SW, St. Albans</td>
<td></td>
</tr>
<tr>
<td>Pol 56 04 632</td>
<td>133 59</td>
<td>507</td>
<td></td>
<td>1½ feet west of rock, 1½ mi. SW from Pt. St. Albans</td>
<td></td>
</tr>
<tr>
<td>Rik 56 04 204</td>
<td>133 59</td>
<td>308</td>
<td></td>
<td>Hoe on outermost rock, 1½ mi. SW from Pt. St. Albans</td>
<td></td>
</tr>
<tr>
<td>L.H. Pt. St. Albans</td>
<td>56 05 996</td>
<td>516</td>
<td></td>
<td>Pt. St. Albans Lighthouse</td>
<td></td>
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<tr>
<td>Buoy 56 05 223</td>
<td>133 55</td>
<td>148</td>
<td></td>
<td>St. Albans blackcan buoy No. 1. awash, H.W. innermost rock of reef off Pt. St. Albans</td>
<td></td>
</tr>
<tr>
<td>Rock 56 05 845</td>
<td>133 56</td>
<td>300</td>
<td></td>
<td>2 small trees on island ½ mi. west of station Cleve.</td>
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</tr>
<tr>
<td>Rock 56 07 1782</td>
<td>133 55</td>
<td>47</td>
<td></td>
<td>awash at H.W. 1½ mi. N.W. from station Cleve.</td>
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</tr>
<tr>
<td>Island 56 07 1782</td>
<td>133 55</td>
<td>602</td>
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<td>awash at half tide, 2½ mi. N.W. from station Cleve.</td>
<td></td>
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<tr>
<td>Rock 56 08 1203</td>
<td>133 54</td>
<td>768</td>
<td></td>
<td>awash at half tide, 2½ mi. N.W. from station Cleve.</td>
<td></td>
</tr>
</tbody>
</table>