



C. & G. SURVEY,
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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *SE Alaska*

DESCRIPTIVE REPORT.

Sheet No. 34

LOCALITY:

Admiralty Id.

1913

CHIEF OF PARTY:

R B Merickson

11-4645

3400

(Topo. Sheet "R") 3400.

DESCRIPTIVE REPORT OF TOPOGRAPHIC SHEET OF NORTH ENTRANCE
TO GAMBIER BAY, ALASKA. BY SUB PARTY ON STR. COSMOS, SEPT. 1st to 4th
1913.

Scale 1:5000

This sheet was executed in order to show the immediate shoreline in the vicinity of the wrecked Steamer STATE OF CALIFORNIA. The stations shown on the sheet were used in determining positions in the hydrographic investigation of submerged rocks which the said steamer STATE OF CALIFORNIA is reported to have struck.

Beginning at "S. Base signal" a measurement with a steel tape was made in a northerly direction 224 meters to station "Tape", thence continuing on to North Base by stadia 168 meters, making a base with a total length of 392 meters. From this base plotted on a scale of 1:5000 a plane table triangulation was carried out to the signals used in the hydrographic work.

The shoreline was run in as shown by the continuous line marking approximately the high water line along the beach. The broken lines represents the sketched high water line. The dotted line gives approximately the low water line.

The coast line is comparatively low, rocky, and covered with small boulders, with exception of the mud and gravel beach at the cannery site. The vegetation and tree line grow to the high water mark.

Back of the cannery buildings it is cleared with garden patches and stumps between the buildings and tree line.

The cannery is of about 50,000 cases capacity. It has a good dock with a face 42 meters long and has a depth of about 36 feet along it at

low water. The buildings with exception of the Managers house 200 meters south of the cannery, are constructed of rough boards unpainted; a trestle walk leads from the cannery to the Managers house which is painted white. The isolated house 200 meters north of the cannery belongs to an Indian Chief. Indians camp around this house during fishing season. Good fresh water can be had at the cannery dock.

Save for the beach and water the cannery dock is very poorly situated.

S.E. weather sets against the dock face and with the limited room for vessels to turn makes it very difficult to get clear during S.E. weather. A small rock awash at extreme low water lies about 25 meters off the point south of the dock. On flood tide the current sets strong against this point.

Other buildings shown on this sheet are the old saltry in the bight across from South Base. It is no longer occupied and is falling to decay. At the S.W. point of the "Inner Peninsula" 200 meters east of signal "Hep" is a cluster of unpainted Indian shacks.

It will be noticed opposite these Indian houses is a small Island about 100 meters long and 25 meters wide. It has a rocky beach except at its west end which is connected at low water with the main land by a gravel neck. This Islet is about 20 feet high and covered with tall fir trees and deciduous growth. This Islet is not shown on the present chart of the entrance to Gambier Bay.

The shoreline from station Say to signal Hep is very rough. The high water line is marked by jagged boulders and ledges.

The most prominent features are the ledges of the round headed boulders midway between signals Say and Hep. This ledge is about 60 meters long and 5 meters wide and its top surface is about 10 feet above extreme low

low water. It is reported that the STATE OF CALIFORNIA was heading for the east end of this ledge when she took bottom, Her bow now lies in about 20 fathoms, 180 meters S.E. of this ledge. Directly north of this ledge is a prominent cliff 20 feet high standing up like a big sandstone column. As is also another one of smaller dimension 125 meters farther east. High water washes the base of these columns or cliffs. The beach between high and low water line is covered with small boulders and kelp weed and has a gentle slope.

At signal Hép the shoreline is abrupt and very rocky. 55 meters east of Hép is a natural arch in the cliff about 12 feet high, One can pass from Hép to the small bight east of it without rounding the rocky point 60 meters north of Hép.

Signal Gun is on the S.W. slope of a large grass covered boulder off the N.W. point of the island at the south side of the north entrance to Cambier Bay. The station is marked by a cairn of rocks with a white pole in its centre.

A magnetic line was drawn through this station.

No data for tides or Geographic Positions were at hand during the progress of this work.

In reducing the shoreline from this sheet to the scale of the chart it is found to agree in the vicinity of signals "My" and "Say" and when transferred to the chart gives the position of them, as follows:

"My"	Lat.	57° 28'	+1356 meters
	Long.	183 57	+ 650 "

"Say"	Lat.	57 28	+1097 "
	Long	183 56	+ 442

Respectfully submitted.

L.B. Leighton
Topographer.

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Topographic Sheet 'B'
Gambier Bay, S.E. Alaska.
Season April to October
1913.
Scale 1:5000
U.S.S. GEDNEY.

R.B. Derickson, Asst., Comdg.

Chief of Party. Topographer.