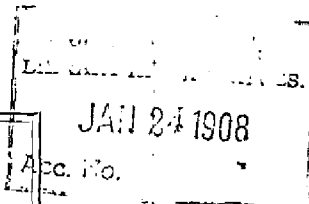




2845



Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

*O. H. Tishmann*  
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

*Top C* Sheet No. *2845*

LOCALITY:

*Herring Bay,*  
*Knight Island*

*1907*

CHIEF OF PARTY:

*R. B. Derissason*

2845

U.S. COAST AND GEODETIC SURVEY  
PLANE TABLE SHEET  
SHOWING SHORE LINE AND SKETCH  
OF  
HERRING BAY, KNIGHT ISLAND, ALASKA

Scale 1:40000

September 1907

R. B. Derickson, Asst. C. & G. Survey,

Chief of Party.

Note:

Round Top  $\Delta$   $60^{\circ} 28'$   $17.91$  Lat.  
 $147^{\circ} 47'$   $02.25$  Lon.

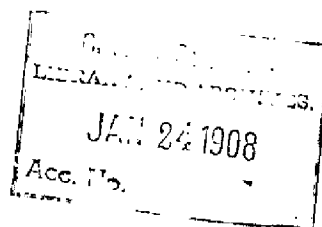
Cave  $\Delta$   $60^{\circ} 30'$   $27.62$  Lat.  
 $147^{\circ} 56'$   $21.32$  Long.

RECEIVED  
COAST AND  
GEODETIC SURVEY

2845

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TOPOGRAPHIC REPORT

of the

SHORE-LINE

of

HERRING BAY, KNIGHT ISLAND

ALASKA

R.B.Derickson,  
Asst. C. & G. Survey,  
Comdg. U.S.C. & G.S.S. TAKU.

To Accompany

Topographic Sheet.

DESCRIPTIVE REPORT FOR PLANE TABLE SHEET, SHOWING SHORE-LINE  
OF HERRING BAY.

The work shown on this sheet is more in the nature of a reconnaissance than a full survey of the shore-line. Owing to the weather conditions at the time this work was taken up, I was unable to rod in the entire shore-line before the close of the season, supplementing the actual survey with sketches.

The points on the sheet determined by plane table triangulation are shown by the small circle, the correct location being obtained from the measured distances, A to B, B to C, and C to D, by the telemeter, and plotted to Scale of 1:40000. From these stations, the triangulation station "Roundtop" was cut in; and from "Centre", the azimuth line was drawn to "Lone" triangulation station. The triangulation station "Cave" was located on this sheet by one cut from Passage Pt. and plotted where the arc of the computed distance from "Roundtop" to "Cave" intersects it. After the location of the points shown by the small circles had been made, the weather conditions prevented further use of the plane table for several days, owing to a thick, misty rain. During this time a reconnaissance was carried on from a pulling-boat, following the shore-line, and sketching in the general trend between the determined points, sketching in by estimated distances, the small bights where no determinations were made.

The shore-line throughout the bay is precipitous and rocky. Herring Pt. on which is located "Roundtop" triangulation station, rises directly from the shore-line, forming a long ridge, which extends in a north and south direction, with an approximate eleva-

tion of 600 to 800 feet. The north end of the ridge, forming Herring Pt. has a gentle slope from the top of the bluffs at the shore-line, but the sides are steep. The ridge is covered with grass and stunted spruce, the trees and bushes being thick along the shore-line.

The shore-line of the S.W. fork is precipitous. At its head, two small streams enter, and a small stretch of gravel and rock beach affords a landing-place.

The large island which lies just south of "Centre"Ø, has a rocky irregular shore-line. It is about 40 feet high and wooded. All the small islands in the bay are of the same character, and have about the same elevation.

Centre Rock, near the centre of Herring Bay, is about 40 feet in diameter. Its top surface is about 6 feet above extreme high water. It is seamed and greyish in color.

At the head of the S.E. fork, there is a mining camp, where several houses and a wharf are projected. The shore-line at the camp has a gentle slope from the water's edge, but the sides of the fork are rocky and precipitous. There are two small, fresh-water lakes near the mining camp, which were sketched in from descriptions.

Around the north shore and extending out to Passage Pt. the shore-line is very irregular, with numerous small bights and projecting headlands. It is precipitous, with outlying ledges and small islands, the cliffs along the shore-line ranging in height from 15 to 50 feet.

The mountains rising from the east shore-line of the bay are mostly barren and rocky. The timber is scattering and consists of spruce, cedar, and alder. The summits are about 2000 feet elevation,

3 Top. Rpt.

and as seen from the bay, appear sharp against the sky-line.

At present, the bay is of little commercial importance. Development work has been carried on at the mines, but no ore had been shipped, up to the close of the season. At the beginning of the summer, machinery, lumber, and powder were shipped in, but at the time this reconnaissance was made, there was little activity.

Respectfully submitted,

*R. B. Derision*

Asst. C. & G. Survey,

Comdg. U.S.C. & G.S.S. TAKU.

PLANE TABLE SHEET  
SHOWING PHOTO LINE AND SKETCH  
OP

HEERING BAY, KNIGHT ISLAND, ALASKA

Scale 1:10000

Map of Alaska

U.S. GEOLOGICAL SURVEY

Notes:

Round Top 48.60' 28' 17.91"

Cave 20' 30' 27.62"

147 56 21.32"

Distance  
Round Top to Cave = 9454.1 M.

A Cave

Round Top

