DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: Alaska

DESCRIPTIVE REPORT.

Topo. Sheet No. 4143

LOCALITY:

Alaska Pen.

Sarana L. and Vic.

1925

CHIEF OF PARTY:

R.F. Luce
DESCRIPTIVE REPORT

To accompany Topographic sheet "M"

Iliaisk Island to Dolgoi Island.

Survey made under Directors orders March 20, 1925.

DOLGOI ISLAND

Triangulation station Entrance was first recovered and a signal

built. Then banners and white wash signals were placed at Red, Nel, Pil,

Nel, Ted, and Ping. These stations were then occupied in turn with a sextant

and located by fixes taken to triangulation stations Church, Little, Outer,

Hunter, and Rock 3. Cuts were also taken from each signal occupied to all

the others in sight. In addition, intersection cuts were taken from the

launch anchored in several positions off shore.

As the topography had been previously executed no attempt was made
to sketch in the shore line.

Signal Bal found on the boat sheet was located from the launch by

sextant cuts while the hydrography was in progress.

* This station in error 120m. See Rev. H-652 (1922) for affected sheets. H.W. M. 6/17/21

OUTER ILIAISK ISLAND

Starting at station Sum the signals Red, Pil, Nel, Gas, Mie were

run in by plane table traverse. Cuts were taken to a patch of breakers about

.5 mile west of Sum, to the reef .5 mile west of Pil and to the two rocks

marked Big and Little Brother. As the topography of this section had already

been executed no attempt was made to locate the shoreline.

The area between signal Pil and the beach and for half a mile to

the northward along the beach is very foul with ledgerock and bowlder patches

covered by only a few feet of water. The entire shoal area is marked by kelp.

SARANA ISLAND

The topography of Sarana Island was executed by Mr. Morton. Station

Sar had already been located by triangulation cuts and, at the time the to-

dography was done, station Ben was occupied with a 7" Berger, thus assuring

a check on location and orientation. The shore line was run in by plane table

traverse and the off lying rocks located by cuts.

The shoreline of the island is very narrow and composed principally

of irregular blocks of rock which cast makes it a very difficult place on which

to land. The entire south and southeast sides of the island are faced with

sheer cliffs averaging 50 or more feet in height. The north side is slightly

less precipitous the cliffs being only 10 to 20 feet in height. The entire

surface of the island above the cliffs is covered with coarse grass.

The area to the eastward and south westward appears to be foul and

is marked by kelp.
ANCHORAGES

None recommended.

LANDMARKS

The hill marked by station Sar is 135 feet in height and rounded in shape.

CURRENTS

Apparent by only tidal.

Sheet inspected by Cruddy Officer Aug. 22 & 28, 1926.

Cruddy Officer.
TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 4143

State: Alaska

General locality: Alaska Peninsula

Locality: Sarana Island and Vicinity

Chief of party: R. F. Luce

Surveyed by: E. P. L. and S. B. Grennell

Date of survey: August 1925

Scale: 1:20,000

Heights in feet above High water

Contour interval: 100 feet

Inked by S. B. Grennell

Lettered by S. B. G.

Records accompanying sheet (check those forwarded): Photographs, Descriptive report, Horizontal angle books, Field computations, Data from other sources affecting sheet

Remarks: Recommend approval of sheet, Aug. 29, 1925.

R. F. Luce

Cruddy office.