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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Alaska

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. 4598
Field # G

LOCALITY

Behm Canal

Yes Bay

1930

CHIEF OF PARTY

F.W. Eickelberg

U. S. GOVERNMENT PRINTING OFFICE: 1930

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "G"

YES BAY, BEHM CANAL, S. E. ALASKA.

INSTRUCTIONS:

Director's Instructions dated March 7th, 1930.

LOCALITY AND EXTENT:

This sheet includes a survey of Yes Bay from its junction with Behm Canal, Latitude 55° 53', Longitude 131° 44' , to the head of Yes Bay, Latitude 55° 57', Longitude 131° 50.5'.

GENERAL DESCRIPTION:

Yes Bay enters Behm Canal from westward between Bluff and Syble Points, about 25 miles above Caamano Point. The southern point of the entrance, Bluff Point, is not marked by a light as formerly, although the old light-house structure still stands. The bay is about 5-1/2 miles long, 3/8 mile wide, and extends in a north-westerly direction. The entrance is free from dangers.

The shores of Yes Bay are rocky and steep and are covered with a heavy growth of fir trees (spruce & hemlock) which extend down to the water's edge. On the northern shore, about 2-1/2 miles above the entrance, there is an abandoned cannery. There are two wharfs at the cannery but the south-west one is larger and has deeper water alongside. Lake McDonald empties into Yes Bay at the cannery. This river is not navigable on account of numerous rapids.

There is a government hatchery on Lake McDonald. This is reached from the head of Yes Bay and the two are connected by a tramway over which freight and supplies are hauled. During the summer months there is weekly communication with Ketchikan by mail boat.

SURVEY METHODS:

The triangulation stations shown furnished control for this sheet. The usual plane-table methods were used throughout.

All of the signals on this sheet were located by plane-table cuts and rod readings. At least three intersecting cuts or two cuts and a rod reading were used to locate each signal. Shoreline was located by rod-readings taken from plane-table set ups at the signals. From triangulation stations Bluff Point Light and SYB, the shore-line was located as far into the bay as topographic signals DAY and ROLL. The shoreline just mentioned and all of the signals on the sheet were located by Lieutenant P. C. Doran.

From topographic signals DAY and ROLL the remainder of the shoreline was located. This was done by rod readings taken from set-ups at the various signals. This work was done by Lieutenant (j.g.) J. C. Partington.

No contours or form lines were done on this sheet; these features are covered on topographic sheets "D" and "E" on a 1:20,000 scale. Heights of islands and rocks are ground elevations.

Two magnetic meridians are shown on this sheet at triangulation stations MAC and HATCH. The magnetic meridian at MAC is probably in error due to the proximity of a water tank north-west of the triangulation station. The tank is a cylindrical wooden structure with steel bands and is about 30 feet from the triangulation station.

Respectfully submitted,

J. C. Partington

J. C. Partington,
Jr. Hydro. & Geod. Engineer.

Approved and forwarded,

E. W. Eickelberg

E. W. Eickelberg,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

LIST OF TOPOGRAPHIC STATIONS

TO ACCOMPANY SHEET "G"

OBJECT	LATITUDE	D.M.	LONGITUDE	D.P.	HEIGHT	REMARKS
JUG	55° 53'	(1297) 560	131° 44'	(881) 163	3 ft.	Center of small rock south of Syble Point.
DAK	55° 53'	(1023) 833	131° 45'	(824) 220	3 ft.	Center of rocky islet.
STIR	55° 53'	(644) 1212	131° 45'	(653) 391	3 ft.	Center of rocky islet.
CAB	55° 54'	785 1071	131° 46'	(259) 785	---	South gable of cabin.
PINK	55° 54'	(70) 1786	131° 47'	(651) 391	---	South gable of red building on east dock.
RED	55° 54'	(80) 1776	131° 47'	(268) 774	---	East gable of largest cannery building.

Statute miles of shoreline = 19.6

APPROVAL SHEET

TO ACCOMPANY TOPOGRAPHIC SHEET "G"

This sheet has been examined and is approved.

E. W. Eickelberg,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

Form 537a
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4598

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "G"

REGISTER NO. 4598

State ALASKA

General locality BEHM CANAL

Locality YES BAY

Scale 1/10,000 Date of survey October, 1930

Vessel U.S.C. & G.S.S. EXPLORER

Chief of Party E. W. EICKELBERG

Surveyed by P. C. DORAN & J. C. PARTINGTON

Inked by J. C. PARTINGTON

Heights in feet above High Water to ground ~~[illegible]~~

~~[illegible]~~

Instructions dated March 7th, 1930

Remarks:

GPO