

4579

4579

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  
R. S. Patton, Director

State: S. W. Alaska.

DESCRIPTIVE REPORT

Topographic ☒ Sheet No. "E" 4579  
~~Hydrographic~~

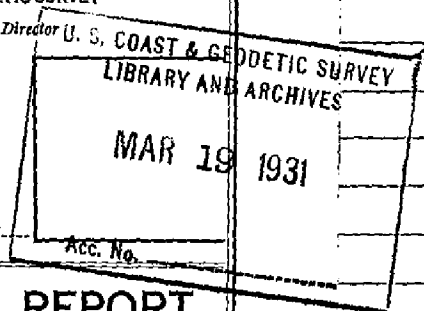
LOCALITY

Kodiak Island, S. W. Alaska.  
The Narrows-Entrance to Olga Bay.  
Olga Bay Narrows

1930

CHIEF OF PARTY

F. H. HARDY, H. E. G.



DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC FIELD SHEET "E".

Str. SURVEYOR. . . .

F.H.HARDY, Com'd'g.

The Narrows, Entrance to Olga Bay,

Kodiak Island, Alaska.

Project No.58.

DATE OF INSTRUCTIONS.

4579

This survey was made according to Instructions dated April 1-st, 1930.

This report covers the topographic work done in the survey of the area mentioned below.

LIMITS.

This sheet comprises that part commonly known as the "Narrows", or the entrance to Olga Bay. Between Latitudes  $56^{\circ} 59'.6$  -  $57^{\circ} 04'.7$  and Longitudes  $154^{\circ} 04'.7$  -  $154^{\circ} 11'.0$  . .

GENERAL DESCRIPTION.

The Narrows are Bounded by grass and alder covered bluffs with rocky outcrops sixteen to forty feet in height, surmounted by gradual slopes of mountains on the east varying in height to twenty one hundred and twenty five feet. On the west the slopes are steep, varying in height to two thousand and five feet. These slopes are covered with a heavy growth of grass and alder brush, with

rocky outcrops.

4579

LANDMARKS.

TRAP POINT. The Alaska Packers Association dock, warehouse, oil tanks and marine ways are located in approximate Latitude  $57^{\circ} 00'$  and Longitude  $154^{\circ} 09'.3$  .

CHARACTER OF CONTROL.

The control for this survey was a scheme of third order triangulation determined by the parties of R.R.Lukens, 1929 and F.H.Hardy, 1930.

SURVEY METHODS.

Because of the proximity of the triangulation stations and their visibility, resection was used in this survey.

All topographic signals were located by intersection.

DISTORTION OF SHEET.

The distortion of this sheet during the field season was three meters per minute of Latitude and no distortion in Longitude.

JUNCTION OF SHEET.

This sheet joins topographic sheet No. 2807 on the south and makes a satisfactory junction with a photostat of that sheet.

(cont.)

On the north this sheet joins Topographic Field Sheet "F" and makes a satisfactory junction with that sheet.

LIST OF NAMES :-

(1) Well established local names :-

The-Narrows, Olga Narrows\*

Trap Point.

Chip's Cove.

Shag Rock.

(2). Names assigned by Field Officers:-

Narrow Cove.

FORM LINES.

All positions were located and their elevations determined by planetable for the form lines shown on this sheet.

Because several of the mountains bounding the Narrows did not fall on this sheet, it was thought best to show all form line<sup>s</sup> possible on Topographic Field Sheet "F". Form lines shown on this sheet would not fall on Topographic Field Sheet "F".

A reduction of this sheet was made and all elevations determined transferred to Topographic Field Sheet "F".

GENERAL.

The form, land marks for Charts showing new and prominent objects located by plane-table is attached to this report.

Submitted,

L. W. Swanson  
L. W. Swanson,  
Jr. H. & G. E. C & G. S.

Approved  
J. H. Hardy  
Comdg. the Surveyor.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4579

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. "E"

REGISTER NO. 4579

State S.W. Alaska.

General locality Kodiak Island

Locality ~~The Narrows - Entrance to~~ Olga Bay. Narrows

Scale 1:10,000 Date of survey July 8-19, 1930

Vessel Str. SURVEYOR.

Chief of Party F.H.HARDY.

Surveyed by L.W.SWANSON.

Inked by L.W.SWANSON.

Heights in feet above M.H.W. to ground ~~to approximate contour~~

~~Contour - approximate contour.~~ Form line interval 100 feet

Instructions dated April 1-st, 1930

Remarks: