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Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
R. S. Fenton, Director	
U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	
MAR 19 1931	
State: Cal. Alaska	
Acc. No. _____	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. 4580 "pl"
LOCALITY	
Kodiak Island, S.W. Alaska	
The Narrows and East Arm of Olga Bay	
1930	
CHIEF OF PARTY	
F. H. Hardy H&ME.	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4580

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. "F"

REGISTER NO. 4580

State ~~S.W.~~ Alaska.

General locality Kodiak Island.

Locality The Narrows and
East Arm of Olga Bay.

Scale 1:20,000 Date of survey Aug. 15 - Aug. 23, 1950

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 ~~NOT RECORDED~~

~~Contours, Approximate contours~~ Form line interval 100 feet

Instructions dated April 1-st, 1950

Remarks:

DESCRIPTIVE REPORT
to accompany
TOPOGRAPHIC FIELD SHEET "F".

Str. SURVEYOR.

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

East Arm of Olga Bay,
Kodiak Island, Alaska.

Project No.58

INTRODUCTION.

This survey was made according to Instructions dated April 1-st, 1931.

This sheet comprises that part of Olga Bay commonly known as the East Arm of Olga Bay, and the form lines bordering The Narrows between Latitudes $56^{\circ}59'.0$ - $57^{\circ}11'.4$ and Longitudes $153^{\circ}55'.2$ - $154^{\circ}09'.4$.

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

GENERAL DESCRIPTION.

The East Arm of Olga Bay is bounded by grass and alder covered mountains, with rocky outcrops rising in gradual and steep slopes, varying in height to 3120 feet.

On the north side of the arm, there is a prominent flat extending over three hundred meters off-shore. This is known as Dog Salmon Flat.

On the East, the Bay is joined by Horse Marine Lagoon. It has sufficient depth for the operation of a skiff and outboard motor.

CHARACTER OF CONTROL.

The control for this survey was a scheme of third order triangulation, determined by the party of F.H.HARDY, 1930.

SURVEY METHODS.

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

DISTORTION OF SHEET.

Repeated checking in the field failed to disclose any appreciable amount of distortion.

JUNCTION OF SHEET.

This sheet joins Topographic Field Sheet "G" on the north west, and makes a satisfactory junction with that sheet. On the south, it joins Topographic Field Sheet "E", and makes a satisfactory junction with that sheet.

LIST OF NAMES.

(1). Well-established local names:-

East Arm Of Olga Bay.

Horse Marine Lagoon.

Dog Salmon Flat.

Dog Salmon Creek.

Split Rock Point. - charked splitrock Pt.

FORM LINES.

All positions were located, and their elevations determined by plane-table, for the form-lines shown on this sheet.

A reduction of Topographic Field Sheet "E" was made and transferred to this sheet. Form-lines bounding the area covered by Topographic Field Sheet "E" are shown on this sheet.

DISCREPANCIES.

A slight discrepancy was found to exist in the joining of the form-lines of this sheet with that of T-4486.

Several of the elevations of peaks disagree by small amounts, because, in each of these cases, the Topographer had as many as three check elevations for those disagreeing; he chose to show his elevations. In joining the form lines, slight changes were made on those of T.4486.

It was noted that there are more elevations on this sheet, for a more accurate determination of form-lines.

Submitted by,

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

Approved
J. H. Sturdy
Chief of Party Observing.