

# 7073a&b

Graphic Control

Diag'd. on Diag. Ch. No. <sup>5</sup>8851-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT

Type of Survey Graphic Control

DE-A-48

Field No. DE-B-48 Office No. T-7073a&b G.C.

### LOCALITY

State Alaska

General locality Prince William Sound

Locality Passage Canal

. 194 8

### CHIEF OF PARTY

H.A. Karo

### LIBRARY & ARCHIVES

DATE August 10, 1949

6-1870-1 (1)

# 7073a&b

Graphic Control

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. T-7073a G.C.

## TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

Registry No. T-7073aField No. DE - A - 48Scale 1 : 10,000State Alaska General locality Prince William SoundSpecific locality Passage CanalDates: Survey began 28 June 1948 Completed 17 July 1948Photography XXXX, Supplemented by ground surveys to \_\_\_\_\_Project No. CS - 277 Instructions dated 5 February 1948Vessel } or DERICKSON Chief of party H. Arnold Karo  
Party }Field work by W.A. Kemp Office work by \_\_\_\_\_Final inking by W.A. Kemp

Ground elevations } in feet above { M. H. W.  
~~XXXXXXX~~ } or  
XXXX

Contours } by { Planetable  
Approximate contours } Multiplex } Interval None ft.  
Form lines }

REMARKS \_\_\_\_\_



DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO. T-7073b G.C.

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

REGISTRY No. T-70736

Field No. DE-B-48

Scale 1 : 10,000

State Alaska General locality Prince William Sound

Specific locality Passage Canal

Dates: Survey began 23 June 1948 Completed 26 June 1948

Photography xxx, Supplemented by ground surveys to

Project No. CS - 277 Instructions dated 5 February 1948

Vessel } xx DERICKSON Chief of party H. Arnold Kero

Field work by W.A. Kemp Office work by

Final inking by W. A. Kemp

Ground elevations } in feet above { M. H. W.  
xxxxxx } or  
 } xxx

Contours } by { Planetable  
Approximate contours } Multiplex } Interval None ft.  
Form lines }

REMARKS



AUG 10 1948

Form 537a

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

Diag. on 8551-2  
in Pencil

TOPOGRAPHIC TITLE SHEET  
(Graphic Control Survey)

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

*This survey sheet destroyed. Signals in the subject area appear on H-6981 (1948). The Desc. Report for T-7073 a & b (1948) also covers this survey.*

Registry No. *Not registered (destroyed)*

Field No. *DE-C-48*

Scale *1 : 10,000*

State *Alaska* General locality *Prince William Sound*

Specific locality *Passage Canal*

Dates: Survey began *12 June 1948* Completed *13 June 1948*

Photography *xxx*, Supplemented by ground surveys to \_\_\_\_\_

Project No. *CS - 277* Instructions dated *5 February 1948*

Vessel } *DERICKSON* Chief of party *H. Arnold Karo*  
~~Partick~~

Field work by *H. F. Garber* Office work by \_\_\_\_\_

Final inking by *H. F. Garber & W.A. Kemp*

Ground elevations } in feet above { *M. H. W.*  
~~Tide elevations~~ } or { *xxx*

Contours }  
Approximate contours } by { *Planetable*  
Form lines } { *Multiplex* } Interval *None* ft.

REMARKS *The following magnetic declinations were determined on this survey sheet*

<i>At Asta.</i>	<i>Latitude</i>	<i>Longitude</i>	<i>Declination</i>
<i>TORCH, 1948</i>	<i>60° 46.35'</i>	<i>148° 25.45'</i>	<i>26° 40' E</i>
<i>CAB, 1914, r. 1948</i>	<i>60° 48.08'</i>	<i>148° 23.55'</i>	<i>27° 00' E</i>
<i>COCH, 1914, r. 1948</i>	<i>60° 45.87'</i>	<i>148° 22.12'</i>	<i>27° 00' E</i>



DESCRIPTIVE REPORT TO ACCOMPANY

TOPOGRAPHIC SHEETS DE-A-48, DE-B-48, DE-C-48

*subsequently destroyed*

PASSAGE CANAL, ALASKA

SCALE 1 : 10,000

H. ARNOLD KARO - CHIEF OF PARTY

AUTHORITY:

Surveys were made in accordance with Supplemental Instructions  
-Project CS - 277 dated 5 February 1948. ✓

PURPOSE:

The purpose of the survey is to provide control for a  
complete hydrographic survey of the area and to delineate off-lying rocks. ✓

CONTROL:

In the 1947 season, the Ship DERICKSON, executed second  
order triangulation from the line SAW, 1901 - HEID, 1901 at the head of  
Valdez Arm across the northern portion of Prince William Sound to the line  
PORT, 1914 - SPLIT, 1914 at the vicinity of Wells Passage. Supplemental  
schemes were extended into Port Wells and Pigot Bay. This work was carried  
forward on the Valdez datum. ✓

The 1914 geographic positions of stations PORT and SPLIT had  
been determined on the Valdez datum by connecting with existing triangu-  
lation carried around the southern part of Prince William Sound. The  
discrepancies between the 1914 and 1947 positions are shown below: ✓

Valdez Datum			
PORT 1914		SPLIT 1914	
Lat.	60° 47'	Lat.	60° 45'
Long.	148° 11'	Long.	148° 14'
	1758.6m		1341.6m
	96.4m		104.3m
PORT 1947		SPLIT 1947	
Lat.	60° 47'	Lat.	60° 45'
Long.	148° 11'	Long.	148° 14'
	1763.1m		1347.4m
	83.6m		90.9m



All topography and hydrography executed in Pigot Bay and Port Wells in 1947 was done on control stations extended from the 1914 determination of the line PORT - SPLIT. (A new value of this line had not been determined at the time of extending the control).

*by G.T. Rude*

In 1948, triangulation was extended to the head of Passage Canal. For this work, the 1947 position of the line PORT - SPLIT was used in extending the control. Consequently, all work on sheets *\*DE-A-48*, *\*DE-B-48* and *DE-C-48*, are based on the 1947 determination of the line PORT - SPLIT.

*subsequently destroyed*

*\*T-7073 & b (1948)*

SURVEY METHODS:

The usual plane table survey methods were used. Signals were located by plane table cuts from control stations. No traverses were run. Small sections of the shore line adjacent to the stations were rodded in. Geographic positions of stations Eat, Dot Cop, Box, and Amy will not agree with those on Topographic sheet *\*DER-A-47* because of the difference in datum between the two sheets as outlined in the preceding section.

*\*T-7042 (1947)*

The rocks and reefs were located by rod readings at low water.

Submitted by

*Ward A. Kemp*

Ward A. Kemp  
Ensign, USC&GS

Approved by

*H. Arnold Karo*

H. Arnold Karo, Chief of Party  
Comdr. USC&GS

*This graphic control survey has been compared with contemporary hydrographic surveys of the area. No further review by the Hydrographic Survey Section is necessary at the present time.*

*J.A. Dinsmore*

*8/18/50*

*Note: T-7073 & b has not yet been compared with contemporary hydro. survey H-7161.*

*H-7073 & b compared with H-7161 and found to be in agreement.*

*M.Z. 3/15/51*

*J.A.D.*



## NAUTICAL CHARTS BRANCH

SURVEY NO. T7073 a + b

### Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.