

6891 a-b

6891 a-b

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey <u>Topographic</u>	<b>T6891</b>
NAVY	<b>a-b</b>
Field No. <u>B &amp; C 1942</u>	Office No. <u></u>
LOCALITY	
State <u>S. E. Alaska</u>	
General locality <u>Cross Sound</u>	
Locality <u>Port Althorp &amp; George Islands</u>	
<u>1942</u>	
CHIEF OF PARTY	
<u>Charles Pierce</u>	
LIBRARY & ARCHIVES	
DATE <u>MAR 18 1943</u>	

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

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. NAVY B & C 1942

REGISTER NO. T6891 *q-b*

State ALASKA

General locality Southeast Alaska

Locality Port Althorp and George Islands

Scale 1 : 5 000 Date of survey September, 1942

Vessel WESTDAHL

Chief of party Charles Pierce

Surveyed by Curtis Le Fever

Inked by Seattle Processing Office

Heights in feet above M.H.W. to ground to tops of trees

Contour, Approximate contour, Form line interval \_\_\_\_\_ feet

Instructions dated August 1, from Navy, 1942

Remarks: \_\_\_\_\_

## DESCRIPTIVE REPORT

Report to accompany topographic sheets NAVY - B & C 1942 Port Althorp and George Islands, Southeast Alaska.

AUTHORITY

Request by Commanding Officer, Sitka Navy Air Station on August 2, 1942.

PURPOSE OF SURVEY

To furnish control for 1 to 5000 detail surveys of Granite Cove and approaches to eastward and a similar survey in the vicinity of the Navy Section Base located at the site of the abandoned cannery on the western shoreline of Port Althorp.

CONTROL

The few triangulation stations in the vicinity were so situated that it was necessary to carry a small scheme of triangulation around the George Islands and into Granite Cove to furnish proper control for an accurate topographic survey. There was no triangulation carried into Port Althorp and a scheme was extended into the port well past the section base. Now there are several well marked triangulation stations in this area.

SURVEY METHODS

Standard planetable methods were used through out the two surveys. Short traverses were run between triangulation stations where necessary. All distances on the George Island survey were determined by stadia. The high and low water lines were carefully rodged. All off-lying rocks and ledges were rodged where practical. The small kelp filled bay on the western side of the incompletely surveyed island was surveyed when it was possible to land a rodman on each of the detached rocks. This was an unusual condition as this shoreline is exposed to the westerly weather coming through Cross Sound.

On the Port Althorp Survey short traverses were run between the triangulation stations and a very good closure being obtained in all cases. The high water line and low water line were carefully rodged and the low water line was checked with that determined by the hydrographer where the beach was flat. The buildings and wharves at the base were measured with steel tape. All of the off-lying rocks were located by cuts and checked with stadia.

Elevations and heights of rocks on each survey were carefully determined by vertical angles.

MAGNETIC OBSERVATIONS

One declinatoire observation was determined at station PRATT 1942.

Two stations were occupied with the transit magnetometer in the vicinity of the section base and three were occupied in Granite Cove.

STATISTICS

Statute miles of shoreline - - - - - 12.0

Approved and forwarded:

*Charles Pierce*Charles Pierce, Lt. Comdr., USC&GS  
Commanding Officer, M. V. WESTDAHL

Respectfully submitted,

*Curtis Le Fever*Curtis Le Fever  
H. & G. Engr.

T6891 a-b

Remarks

Decisions

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## GEOGRAPHIC NAMES

Survey No.

T6891 g-b

GEOGRAPHIC NAMES											
Survey No. T6891 q-b											
Name on Survey											
	A, On Chart No.	B, On previous survey No.	C, On U. S. quadrangle Maps	D, From local information	E, On local Maps	F, P. O. Guide or Map	G, Rand McNally Atlas	H, U. S. Light List	K		
<u>SE Alaska</u>											1
<u>Cross Sound</u>											2
<u>Port Althorp</u>											3
<u>George Islands</u>											4
<u>Chichagof Island</u>											5
<u>GraniTe Cove</u>											6
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Names underlined in red approved  
by L Heck on 2/9/44

M 234

Names underlined in red approved  
by L. Heck on 2/9/44

# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
PHOTOSTAT OF

No. H  
No. T **T6891**

{ received March 18, 1943  
registered March 22, 1943  
verified  
reviewed  
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
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RETURN TO

82	R.W.Knox
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*r Park*

DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6891 a&b

Field No. Navy B&C

Alaska, Southeast Alaska, Port Althorp and George Islands  
Surveyed September 1942; Scale 1:5,000  
Instructions dated August 12, 1942 (Telegram from Director)

Plane Table Survey

Aluminum Mounted

Chief of Party - Charles Pierce  
Surveyed by - Curtis LeFever  
Inked by - Curtis LeFever  
Reviewed by - Harold W. Murray  
Inspected by - H. R. Edmonston, January 31, 1944

1. Junctions with Surveys

No contemporary surveys adjoin the present survey.

2. Comparison with Prior Surveys

H-2569 (1901), scale 1:20,000

This survey completely covers the present survey. Difference in scales of the old and present surveys does not permit a detailed comparison. The general outline of the shoreline is in good agreement but a number of differences are noted in the delineations of small peninsulas, ledges and off-lying rock detail. The docks and building details on T-6891b are improvements subsequent to the 1901 survey. The island in Lat.  $58^{\circ}07.44'$ , Long.  $136^{\circ}18.75'$  is now connected with the mainland. The present survey is adequate to completely supersede the old survey.

3. Comparison with Chart 8304 (New Print date 8-20-43)

Charted topography originates with the present survey prior to review.

The magnetic observation on T-6891a agrees closely with the charted value.



4. Condition of Survey

Satisfactory.

5. Compliance with Project Instructions

Satisfactory.

6. Additional Field Work Recommended

This is an excellent survey and no additional work is necessary.

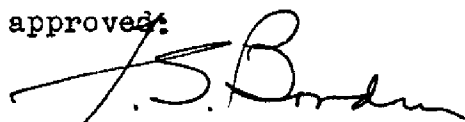
7. Superseded Surveys

T-2569 (1901) in part

Examined and approved:



Chief, Surveys Branch



Chief, Division of Charts



Chief, Section of Hydrography



Chief, Division of  
Coastal Surveys