

7003

Graphic Control

Diag. in pencil on ch. 8865

Form 504	
U. S. COAST AND GEODETIC SURVEY	
DEPARTMENT OF COMMERCE	
DESCRIPTIVE REPORT	
Type of Survey	TOPOGRAPHIC (Graphic Control)
Field No. DE-E-45	Office No.
LOCALITY	
State	ALASKA
General locality	Attu Island
Locality	Approaches to Chichagof Harbor
194 5	
CHIEF OF PARTY	
L. C. Wilder	
LIBRARY & ARCHIVES	
DATE	JAN 22 1946

B-1870-1 (1)

7003

Graphic Control

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. DE-E-45

REGISTER NO.

State Alaska - Aleutian Islands

General Locality Attu Island

Locality Approaches to Chichagof Harbor

Scale 1:5000 Date of survey 19 to 21 July, 1945

Vessel DERICKSON

Chief of party L. C. Wilder

Surveyed by J. E. Waugh and W. M. Hellman

Inked by J. E. Waugh

Heights in feet above MHW to ground ~~to tops of trees~~

~~Contours. Approximate contours. For more details, see interval. XXXXX feet.~~

Instructions dated 16 April, 1943

Remarks: Project CS-218, sub-project No. 30

DESCRIPTIVE REPORT

To Accompany

Topographic Sheet T 7003 (Field No. DE-E-45)

Scale 1:5000

Approaches to Chichagof Harbor, Attu Island, Alaska

L. C. Wilder, Chief of Party

U.S.C. & G.S.S. DERICKSON

1945

PROJECT: This survey was accomplished under general instructions from the Director for Project CS-218, as revised on 16 April 1943, 1 February 1944, and 29 January 1945. It is a part of Project 30 as assigned on 7 June and 6 July 1945, by the Liaison Officer for the 17th Naval District in instructions to the Commanding Officer of the Ship DERICKSON.

SURVEY LIMITS AND DATES: This survey is primarily a graphic control sheet, on a scale of 1:5000. It covers the actual approaches to Chichagof Harbor. It overlaps sheet DE-C-45, scale 1:2500, on the south; sheet DE-D-45, scale 1:10000, on the north and east; and sheet T-6972 B (EX-G-44), scale 1:20000, on the north and west. The field work on the sheet was accomplished between 19 to 21 July 1945, inclusive.

This sheet supplements sheet DE-D-45 in part as the Navy requested, after that sheet had been completed, that a detailed hydrographic survey be made. A 1:10000 scale was found to be too small.

SURVEY METHODS: Standard topographic practices were followed. All planetable setups were either at triangulation stations, were determined by three point fixes, or were determined by the resection method. All signals, except Sis and See, were located by at least three cuts from the planetable setups. See was located by three slim cuts and Sis by two cuts. The topographic detail shown was rodded in from the setups. Additional setups were not made to obtain topographic features. All offlying features were rodded in. No discrepancies were found. The buoy in the east channel is a navigation buoy. The buoy northwest of signal Use marked an underwater obstruction.

All signals, both inside and outside the HWL, except signal Hel, are whitewashed rocks, rocky bluffs, etc. Signal Hel is a large scar on a rocky bluff.

The following signals were also located on other graphic control sheets as shown:

<u>Name</u>	<u>Other Location</u>
Any	^{T-7005b} DE-C-45
Bed	"
Use	"
Sis	"
Lee	"
Tom	"
Nip	^{T-7004b} DE-D-45
Tub	"
Nod	"
Oil	"
Key	^{T-7004b} DE-D-45 & T-6972 B
Wax	" "
Con	T-6972 B
Cur	"
Fun	"
Hel	"
See	"

No discrepancies, greater than allowable differences in scaling, between the location of the signals on sheets DE-C & D-45 and this sheet were found. The signals located on T-6972 B were checked against a photostat of that sheet and no discrepancies were found. The location of each signal was transferred to the boat sheets from the graphic control sheet whose scale corresponds with that particular boat sheet.

D.M.'s and D.P.'s are furnished for the following signals which were used on hydrographic sheet DE-1145. They were not located on sheet DE-D-45 (scale 1:10000). ^{H-6875 (945)}

Pat	52° 57'	269 m -	Con	52° 57'	500 m -
	173 16	420 m -		173 15	450 m -
Ora	52 57	298 m -	Vim	52 56	855 m -
	173 16	845 m -		173 15	816 m -
		84			
Cur	52 57	390 m -	*(Subtract 488 m. in Lat. and 83 m. in Long. for NA 1927 Datum)		
	173 15	612 m -			

CONTROL: The control on this sheet consisted of seven triangulation stations and one recoverable topographic station ^{"Tub"} which was located by theodolite cuts. The 1943 stations were located by an U. S. Engineers party using Coast Survey observing methods. The 1944 stations, except GIBSON, were located by parties from the EXPLORER. GIBSON was located by parties from the SURVEYOR. Pisa Tower was lo-

cated by parties from the DERICKSON.

Station Tub was marked as a recoverable station. It was located by a three point fix taken over the mark with the planetable.

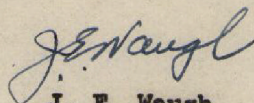
AIR PHOTOGRAPHS: This area has been adequately covered by three flights. Two flights, photographs numbers 2901-2V97 to 2V101 incl., 2901-2V125 to 2V131 incl., and 3277-1V1 to 1V4 incl. are on a 1:5000 scale. The other flight, photographs numbers 73 to 102 incl., are on a scale of 1:10000. The 1:5000 scale pictures were field inspected this year and have been returned to the Washington Office. (T-8476(1947))

COMPARISON WITH CHART: The small amount of topography on this sheet was compared with that on Chart No. 9126. The size and shape of the islands varied considerably. The shape of the shoreline on the west channel differs. The detail on the sheet was also checked against the photographs and is in agreement. The horizontal datum of the chart differs from the USN GANNET 1934 datum. Print 12/9/46 is in agreement.

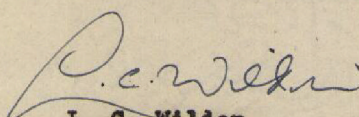
LANDMARKS TO CHARTS and COAST PILOT notes have been submitted by the Chief of Party under separate cover, one report being made for the project. See Chart Letter No. 781(1945)

The GEOGRAPHIC NAMES shown on the sheet are from Chart No. 9126 and are well known locally.

Respectfully submitted,


J. E. Waugh,
Lieut., U.S.C. & G.S.

Approved and forwarded:


L. C. Wilder,
Lt. Comdr., U.S.C. & G.S.,
Chief of Party.

REVIEW SECTION

This survey has been compared with overlapping surveys, with Chart 9126 (Print Date of Dec. 9, 1946) and with the advance print of photogrammetric shoreline survey T-8476 (1947) which incorporates topographic detail from the present survey. No further consideration is necessary.

For magnetic meridian in this area, see T-7004 b (1945) G. C., which overlaps the present survey.

January 25, 1949

G. F. Jordan
G. F. Jordan