

7046

Graphic Control

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Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. PA-E-47 Office No. T-7046

LOCALITY

State Southeastern Alaska

General locality Sitka Sound

Locality Povorotni Point to Cape

Burunof

1947

CHIEF OF PARTY

Glendon E. Boothe

LIBRARY & ARCHIVES

DATE APR 30 1948

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7046

Graphic Control

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. T-7046

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. PA-E-47

REGISTER NO. T-7046

State Southeastern Alaska

General Locality Sitka Sound

Locality Povorotni Point to Cape Burunof

Scale 1:10,000 Date of survey May & June, 1947

Vessel PATTON

Chief of party Glendon E. Boothe

Surveyed by Arthur L. Wardwell

Inked by Arthur L. Wardwell

Heights in feet above MHW to ground to tops of trees

Contour, Approximate contour, Form line interval — feet

Instructions dated 14 April, 1947

Remarks: Project CS-247

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET T-7046 (PA-E-47)
SITKA SOUND, ALASKA

SCALE 1:10,000

U. S. C. & G. S. S. PATTON

GLENDON E. BOOTHE, CHIEF OF PARTY

AUTHORITY

The survey was made in accordance with Revised Instructions of 14 April 1947, Project CS-247.

PURPOSE

The purpose of the survey is to provide control for hydrography in the area, to delineate such features as are not clear on the air photographs, and to investigate discrepancies between the 1942 planetable sheet (T-6888) and the advance compilation of the photogrammetric surveys, as noted in Paragraph 15 of the Revised Instructions.

CONTROL

Existing triangulation stations were used for control of this survey.

SURVEY METHODS

Standard graphic control methods were used in locating the signals and features. No traverses were run.

SHORELINE

Where practicable, a short section of shoreline was rodded in at each set-up. In the areas at the tip of Povorotni Point and the reefs which lie about 0.5 mile south southeast of it, the shoreline and extremities of the reefs were rodded in; in order that the discrepancies mentioned in Paragraph 15 of the Revised Instructions can be eliminated. It will be noted that not all the rocks and reefs shown on T-6888 and T-6889a are shown on this sheet. Spending the time necessary to locate

all such features was not considered worthwhile, in view of the fact that this area has good coverage by air photographs. A comparison with T-6888 shows a close agreement with such features as were located.

COMPARISON WITH PREVIOUS SURVEYS

The area covered by this sheet was included on plane table sheets T-6888 and T-6889a, the latter completed in 1941 and the former only partly completed in 1942. Also, the area is included on photogrametric sheet T-8482 an advance compilation of which was made prior to field inspection. It will be noted that the land area extending northward from signal LEG (Lat. 56° 56.95' Long. 135° 24.16') is shown as being much more broken on T-7046 than on T-8482. The HWL there is hard to define, even by close inspection on the spot, but it is believed that T-7046 gives a true representation of it. The "U" shaped bight about 200 meters north of signal LEG was sketched in wrong on T-6888. Thus it appears that the discrepancies are due mainly to lack of field inspection of photographs and partly to inadequate planetable sketching.

Recoverable topographic stations ANN and MAY were found, but as geographic positions could not be obtained, they were located as new stations. The new position checks satisfactorily with those on the photostatic copy of T-6888. This photostat is on a scale of approximately 1:11,000, which makes direct comparison difficult.

Station ADAM (marked by a length of pipe) was found and located. Like the two stations mentioned above, no geographic position was available, but the new location checks with that on the photostatic copy of T-6889a.

The station mark at IRE could not be found, but a new mark was set at what was thought to be the original spot.

Traces of old signals were found in some places, and in a few cases new signals on those spots were given the same names as on the previous plane-table sheet. However, the positions on Sheet T-7046 should be used in all cases.

GEOGRAPHIC NAMES

The only new geographic name is Three Entrance Bay, which is a well-established local name.

Submitted by

Approved and Forwarded:

Glendon E. Boothe
Glendon E. Boothe
Lt. Comdr., USC&GS
Cmdg., USC&GSS PATTON

Arthur L. Wardwell
Arthur L. Wardwell
Lieut., USC&GS

*This G.C. survey has been compared with H-7191 (1947)
No further review is necessary. This survey has been
superseded by T-8483 (1947) within the common area.
J.A. Dinamore
7 Oct. 1954*

GEOGRAPHIC NAMES

Survey No.

T7046

Name on Survey

On Chart
No.

On previous survey
No.

On U. S. quadrangle
Maps

From local
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

A

B

C

D

E

F

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H

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NAUTICAL CHARTS BRANCH

SURVEY NO. T 7046

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.