

6586

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APR 26 1938

Acc. No.

Form 504
Rev. April 1935
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. "D - 1937"

State S. E. Alaska

LOCALITY

Sumner Strait

Affleck Canal & Rear Harbor

1937.

CHIEF OF PARTY

G. C. Jones.

U. S. GOVERNMENT PRINTING OFFICE

6586

8200

8250

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CO

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. "D - 1937"

REGISTER NO. **T6586**

State S. E. Alaska

General locality Sumner Strait

Locality Affleck Canal & Bear Harbor

Scale 1:20,000 Date of survey August, 1937

Vessel U.S.C. & G.S.S. EXPLORER

Chief of party G. C. Jones

Surveyed by H. C. Applequist

Inked by H. C. Applequist

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

~~Contour, Approximate contour~~, Form line interval 100 feet

Instructions dated July 16, 1936.

Remarks:

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET FIELD NO. "D" T-6586

1937

AFFLECK CANAL -- KUTU ISLAND

SOUTHEAST ALASKA

G. C. JONES, CHIEF OF PARTY, C. & G. S.,

COMMANDING Ship EXPLORER

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET FIELD NO. "D" 7-6586

1937

AFFLECK CANAL -- KUTU ISLAND

SOUTHEAST ALASKA

AUTHORITY:

Authority for this survey is contained in the Director's Instructions dated July 16, 1936, Project No. H.T.-211.

SCALE:

The scale of this survey is 1:20,000.

LIMITS:

This sheet covers that part of Affleck Canal, including Bear Harbor, north of Latitude $56^{\circ} 15'$.

CONTROL:

This survey is based on triangulation executed in 1936 and 1937 by the "WESTDAHL" and by the "EXPLORER". The North American 1927 Datum was used.

SURVEY METHODS:

Enough triangulation was available, excepting in Bear Harbor, to make it unnecessary to traverse. Topographic stations were cut in from triangulation stations and planetable setup positions were determined by means of three-point fixes. All detail was rodged in.

No control was available in the upper part of Bear Harbor. Plane table triangulation, checked by traverse was used to maintain the accuracy of the survey.

GENERAL DESCRIPTION OF AREA:

This area is in general hilly and excepting the higher peaks, heavily wooded with evergreen trees. A few of the higher peaks are rocky and bare. The shoreline is rocky, with either rocky reefs or gravel between the high and low water lines.

FORM LINES AND ELEVATIONS:

The form line interval is 100 feet. All elevations are ground elevations and were taken with the plane table alidade. In those places where the ground was obscured by the trees, elevations were taken to the tops of trees and reduced to ground elevations by the estimated heights of the trees. The estimated heights of the trees are shown in parenthesis under the elevations. *Appropriate note placed on sheet.*

LOW WATER LINE:

The low water line shown on this sheet was surveyed by the topographer. Where no low water line is shown, the low water area is so narrow that it could not be shown on this scale.

JUNCTIONS:

A satisfactory junction was made to the south with Topographic Sheet Field No. "C-1937". ^{T-6-585} Junctions of form lines in the other directions could not be made as no old surveys were available.

GEOGRAPHIC NAMES: *✓ GHE*

No new names are suggested for any of the features in this area. Only names already used on the charts have been shown on this sheet.

TOPOGRAPHIC SIGNALS:

All signals outside the high water line are whitewashes on high water rocks.

COMPARISON WITH CHART NO. 8201:

Comparison with Chart No. 8201 was impracticable due to the difference in scale.

COMPARISON WITH HYDROGRAPHIC SHEET:

A comparison was made between this sheet and Hydrographic Sheet No. "4-1937", which covers this area. ^{H-6-285} No discrepancies, excepting in the position of some rocks awash, was noted. The differences in position of these rocks awash were small and probably due to errors in estimating distance and direction by the hydrographer. *Topo sheet positions accepted.*

Remarks

Decisions

1	<i>W</i>	<i>USGB decision</i>
2	<i>"Port Parcel" on T-2355</i>	
3		
4	<i>For Title Only</i>	<i>see T-6584</i>
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GEOGRAPHIC NAMES

Survey No. T-6586

Name on Survey	On Chart No. 8252		On previous survey No. H-1749		On U. S. quadrangle Maps	From local information	Bakers Dict. On local Maps		P. O. Guide or Map	Rand McNally Atlas	U. S. Light List	
	A	B	C	D			E	F				
<u>Kuiu Island</u>	✓											1
✓ <u>Bear Harbor</u>	✓	✓	✓			✓						2
<u>Affleck Canal</u>	✓											3
<u>Sumner Strait</u>	✓											4
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Names underlined in red approved												26
by <u>GHE</u> on <u>5/25/38</u>												27

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
PHOTOSTAT OF

~~NO. 11~~
~~NO. 11~~
No. T-6586

received April 26, 1938
registered May 7, 1938
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	T. B. Reed
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✓ JBR

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6586 (1937) FIELD NO. D

Affleck Canal and Bear Harbor, Sumner Strait, S.E. Alaska.

Surveyed in August 1937, Scale 1:20,000

Instructions dated July 16, 1936.

Plane Table Survey.

Aluminum Mounted.

Chief of Party - G. C. Jones.

Surveyed by - H. C. Applequist.

Inked by - H. C. Applequist.

1. Condition of Survey.

The survey is neat and legible and conforms to the requirements of the Topographic Manual.

The Descriptive Report is clear and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The plan, character and extent of the survey satisfy the instructions for the project.

3. Junctions with Contemporary Surveys.

The junction on the south with T-6585 (1937) is satisfactory.

4. Comparison with Prior Surveys.

H-1749 (1886) and T-2355 (1886), scale 1:80,000.

Each of these surveys contain shoreline and formline details and cover the entire area of the present survey. They are actually one topographic survey of the same area but the details are slightly different in many areas especially in the case of formlines which appear to have been plotted independently. None of the formlines falling within the limits of the present survey are accompanied by elevations.

Because of the small scale and sparseness of detail, an adequate comparison cannot be made. It is noted, however, that the present survey bears out the essential features except that differences in position of identical features exist. The most outstanding is the shoreline and formline details in the vicinity of lat. 56°17' which are displaced 3/4 mile northward on H-1749 and 1/2 mile northward on T-2355 of the present survey locations. The present survey should supersede these surveys in the common area in future charting.

5. Comparison with Chart 8201 (New Print dated April 7, 1938).

Topography shown on the chart originates entirely with surveys discussed in previous paragraphs and no further consideration is necessary.

6. Field Drafting.

The inking of the shoreline, topographic features and lettering is very good.

7. Additional Field Work Recommended.

This is an excellent survey and no additional field work is required.

8. Superseded Prior Surveys.


Within the area covered, the present survey supersedes the following surveys for charting purposes:

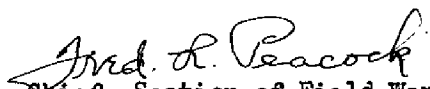
H-1749 (1886)	In part (topography only)
T-2355 (1886)	In part.

9. Reviewed by Harold W. Murray - November 3, 1938.

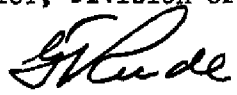
Inspected by E. P. Ellis.

Examined and approved:


Thos. B. Reed
Chief, Section of Field Records


Chief, Section of Field Work


K.T. Adams
Chief, Division of Charts


Chief, Division of Hydrography
and Topography