

6587

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Topographic
~~Hydrographic~~

Sheet No. "E-1937"

State S. E. Alaska

LOCALITY
Sumner Strait

~~Pole Anchorage~~

Point Hardscrabble to Cape Pole
~~Koonak Island~~

~~Pole Anchorage~~

1937.

CHIEF OF PARTY

G. C. Jones

U. S. GOVERNMENT PRINTING OFFICE

6587

8152

6587

Applied to Chart 8173- 11/8/38 RBC.

" " " 8152 2/5/39 RBC.

" " " 8252 2/8/39 RBC.

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. "E-1937"

REGISTER NO. **T6587**

State S. E. Alaska

General locality ~~Kosciusko Island~~ Sumner Strait

Locality ~~Pole Anchorage~~ Point Hardscrabble to Cape Pole

Scale 1:10,000 Date of survey July, 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~~

~~Contours, Approximate contours~~, Form line interval 100 feet

Instructions dated July 16, 1936.

Remarks: _____

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "E-1937"

POLE ANCHORAGE, KOSCIUSKO ISLAND

SOUTHEAST ALASKA

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

COMMANDING Ship EXPLORER

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "E-1937"

POLE ANCHORAGE, KOSCIUSKO 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 1:10,000. ✓

LIMITS:

This sheet extends from about two
miles north of Point Hardscrabble to approximately one-half mile
south of Cape Pole and includes Pole Anchorage and Little Pole
Anchorage. ✓

CONTROL:

Control for this survey was furnished
by triangulation executed in 1936 and 1937 by the "WESTDAHL" and
the "EXPLORER". It is based on the North American 1927 Datum. ✓

SURVEY METHODS:

Stadia and traverse, checked by three-
point fixes where possible, was used throughout, with no devia-
tion from standard practice. All detail was rodged in. Traverse
errors were well within the prescribed limits. ✓

GENERAL DESCRIPTION OF AREA:

This area consists of low flat hills,
heavily wooded. The shoreline is in general rocky with numerous
rocky islets and rocks awash at varying distances offshore. ✓
Thick kelp grows all along the shoreline. The area between the
high and low water lines consists of rocky reefs and ledges,
except for small areas of gravel and mud.

FORM LINES AND ELEVATIONS:

The form line interval is 100 feet.
All elevations are ground elevations and were taken with the
planetable alidade. In those places where the ground was ob-
scured 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. ✓

No old form lines were available
for purposes of comparison. Form lines shown on H-1749 and T-2355. See par. 4, review. ✓

KELP AND LOW WATER LINES:

The low water line shown on this sheet was surveyed by the topographer. Due to the character and importance of this area, it was thought advisable to make a careful determination of the low water line and all the low water line was obtained at time of low water.

The kelp limits are a combination of the efforts of the hydrographer and the topographer.

GEOGRAPHIC NAMES: / GHE

The anchorage shown on this sheet as "Little Pole Anchorage" is known locally as "Fisherman's Harbor" and this name is also used in the instructions for this project. The lights in this anchorage are listed as Little Pole Anchorage Outer and Inner Lights in the Light List - Pacific Coast, 1938 and so it was assumed that this was the accepted name. However, if the name "Little Pole Anchorage" has not been accepted by the Division of Geographic Names, it is recommended that the name "Fisherman's Harbor" be applied to this anchorage.

All other names shown on this sheet were taken from the chart and are used locally.

JUNCTIONS:

Satisfactory junctions were made to the south with Topographic Sheet, Field No. "F-1937", ^{T-6588} and to the north with Topographic Sheet, Field No. "G-1937", ^{T-6589} both of which were surveyed by the author.

LANDMARKS:

The only landmarks on this sheet are the two lights in Little Pole Anchorage (Fisherman's Harbor). Form 567, listing these two lights, is submitted separately.

COMPARISON WITH CHART NO. 8201:

Due to the difference in scale it was found impracticable to compare Chart No. 8201 with this survey.

MAGNETIC DECLINATIONS:

No indications of local magnetic attraction were found in this area.

The three stations for which declinatoire magnetic meridians are shown were also occupied with the declinometer. The results, uncorrected for index error and variation, are shown below. ✓

STATION	DECLINATION		DIFFERENCE
	Declinometer	Declinatoire	
	°	°	°
POLE 1886-1936	29.1	29.4	-0.3
SCRAB 1937	29.3	30.4	-1.1
PIES 1937	29.6	30.6	-1.0
Mean difference, Declinatoire-Declinometer			-0.8

STATISTICS:

Statute Miles of Shoreline.....	17.0
Area, in Square Statute Miles.....	4.5

Respectfully submitted,

H. C. Applequist

H. C. Applequist,
Aid, C. & G. S.,
U.S.C. & G.S.S. EXPLORER.

Topographic Sheet "E-1937" and the
descriptive report pertaining thereto, have been examined by me
and are approved and forwarded. ✓

G. C. Jones
G. C. Jones,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

Remarks.

Decisions

1		see T- 6584.
2		
3	D.R. states "Little Pole Anch. is name of Lights. These lights are not listed in Light List 1938. No said conflict is recorded	
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GEOGRAPHIC NAMES

Survey No. T-6587

GEOGRAPHIC NAMES										
Survey No. T-6587										
Name on Survey	<div>On Chart No. 8152</div> <div>On previous survey No.</div> <div>On U. S. quadrangle Maps</div> <div>From local information P.R.</div> <div>On local Maps</div> <div>P.O. Guide or Map Bakers Dict.</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
	A,	B,	C,	D,	E	F	G	H	K	
<u>Sumner Strait</u>	✓									1
<u>Point Hardscrabble</u>	✓		✓			✓				2
<u>Fishermans Harbor</u>										
<u>Little Pole Anchorage</u>				Fishermans Hbr				✓		3
<u>Cape Pole</u>	✓	T-2355	✓			✓				4
<u>Kosciusko Island</u>	✓	Kosciusko I	✓			✓				5
<u>Pole Anchorage</u>	✓	T-2355				✓				6
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Names underlined in red approved

by gfe on 5/25/38

M 234 12

Names underlined in red approved

by *GFE* on *5/25/38*

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
 DESCRIPTIVE REPORT } ~~No. 11~~
~~PHOTOSTATIC~~ } ~~No. 11~~
 No. T -6587

{ 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. 6587 (1937) FIELD NO. E

Point Hardscrabble to Cape Pole, Sumner Strait, S. E. Alaska.

Surveyed in July, 1937, Scale 1:10,000.

Instructions dated July 16, 1936 (EXPLORER)

Plane Table Survey.

Aluminum Mounted.

Chief of Party - G. C. Jones.

Surveyed and Inked by - H. C. Applequist.

1. Condition of Survey.

- a. The survey is neat and legible and conforms to the requirements of the Topographic Manual except that the number of elevations determined is considerably below the requirements, and the form lines must, therefore be considered as below the standard in accuracy, with the exception of those at the southern end of the sheet where the determined elevations are sufficiently numerous.
- b. The Descriptive Report is complete and satisfactorily covers all items of importance.

2. Compliance with Instructions for the Project.

The survey satisfies the instructions for the project except as noted in par. 1a, this review.

3. Junctions with Contemporary Surveys.

The junctions with T-6588 (1937) on the south and T-6589 (1937) on the north are satisfactory.

4. Comparison with Prior Surveys.

H-1749 (1886), Scale 1:80,000; T-2355 (1886), Scale 1:80,000.

These two sheets are in reality a single survey which covers the entire area of the present work. The principal features on the old and new work are in fair agreement but the old survey is considerably generalized between triangulation stations, resulting in numerous disagreements with the present survey. The most noticeable difference is at Point Hardscrabble where the old survey places the most prominent part of the point almost $\frac{1}{2}$ mile to the north of its location on the present survey and omits entirely most of the small islands in the vicinity. Form lines are similarly displaced.

The present survey, because of its larger scale and general superiority should supersede the old survey in future charting of the common area.

5. Comparison with Chart 8173 (New Print dated April 19, 1937).

a. Topography.

Within the area of the present survey the chart is based entirely on surveys discussed in the foregoing paragraphs.

b. Aids to Navigation.

Navigational aids in the area are discussed in par. 8 b, review of H-6283 (1937).

6. Field Drafting.

The field drafting is satisfactory.

7. Additional Field Work Recommended.

No additional field work is required.

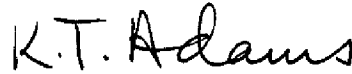
8. Reviewed by - J. A. McCormick, December 7, 1938.

Inspected by E. P. Ellis,

Examined and Approved:



Thos. B. Reed
Chief, Section of Field Records



K.T. Adams
Chief, Division of Charts



Fred. L. Peacock
Chief, Section of Field Work



G. F. Rude
Chief, Division of Hydrography
and Topography