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

## DESCRIPTIVE REPORT

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

State S. E. Alaska

### LOCALITY

~~West Shore~~ Summer Strait

Point St. Albans & Vicinity

1937.

CHIEF OF PARTY

G. C. Jones.

U. S. GOVERNMENT PRINTING OFFICE

8152  
6590  
8200

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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. "H - 1937"

REGISTER NO. **T6590**

State S. E. Alaska

General locality Sumner Strait

Locality Point St. Albans northward & Vicinity

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 Edwin C. Baum

Inked by Edwin C. Baum

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 "H-1937" T-6590

SUMNER STRAIT

SOUTHEAST ALASKA

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

COMMANDING Ship EXPLORER

DESCRIPTIVE REPORT  
TO ACCOMPANY TOPOGRAPHIC SHEET "H-1937" T-6590  
SOUTHEAST ALASKA

AUTHORITY:

This survey was executed in accordance with Director's Instructions, dated July 16, 1936. Project H.T.-211.

LIMITS:

This survey lies on the west shore of Sumner Strait, beginning to the south at Pt. St. Albans and extending northward approximately 5 miles. All off-lying islands and menaces to navigation are included in this survey.

GENERAL DESCRIPTION:

Conforming to the general character of the country, this area consists of irregular shaped hills, covered with evergreen trees throughout. The shoreline is rocky, rugged in nature, with numerous rocks and islets at variable distances off-shore.

The islets in the group near the northern extremity of this area are grass covered with the exception of the two largest, the tree top heights of which are noted on topographic sheet, identify the immediate vicinity.

CONTROL:

Triangulation control points executed during the seasons of 1886, 1899, 1922, and 1937 and based on the North American 1927 Datum were used.

SURVEY METHODS:

Standard plane table survey methods were used. Topographic signals were cut in from triangulation stations on off-lying rocks, supplemented by cuts from stations on the shore and checked by traversing between control points.

No errors were found.

All off-lying features were rodded in.



CONTOURS:

The contours as shown on Topographic Sheet Register No. ~~F~~3631 approved in the Instructions of July 16, 1936, Project H.T.-211, were verified and supplemented.

Elevations were determined from off-lying rocks and islets. The accepted methods, in accordance with Special Publication No. 144, were followed. All elevations are to the ground. Unusual caution was exercised in estimating tree heights, varying up to approximately 150 feet in height.

COMPARISON WITH CHART NO. 8201:

A comparison of this survey with existing chart shows no appreciable differences, although minor discrepancies in the delineation of the shoreline were noted. The chart pertaining to this area gives no Form Lines.

A rock shown on chart at Latitude <sup>6</sup>57° 07.3', Longitude 133° 56.7', was not found by topographer. The smooth hydrographic sheet shows a 5/6 fathom sounding in this location. *on a rock* *same rock*

TOPOGRAPHIC SIGNALS:

All topographic signals shown outside the High Water Line are whitewashes on rocks or islets, identified by their proper symbols.

No new permanent Topographic Marks were established due to the large number of Triangulation Stations present.

ROCKS AND LOW WATER LINE:

All off-lying rocks and islets were rodded in, with the exception of Rock Awash at M.L.W. (Latitude 56° 06.7', Longitude 133° 54.27') which was cut in. Point St. Albans Reef Lighted Whistling Buoy was cut in.

The Low Water Line was determined by the topographer.



JUNCTURES:

To the south and southwest this sheet joins Field Sheet No. "B-1937". T-6584 ✓

The northern limits of this survey defines the end of the 1937 field season. ✓

CHANGES OF COAST LINE:

The character of the shoreline, previously described under General Description, is free from erosion. No evidence was found as to recession, growth, subsidence or emergence of shoreline. ✓

STATISTICS:

14.5 Statute miles of shoreline. ✓

8.0 Statute square miles of area. ✓

DECLINATOIRE OBSERVATIONS:

Two Declinatoire Observations were determined as follows; ✓

Magnetic Declination,  $30^{\circ} 15'$ ,  
Triangulation station CLEVE 1886-1922, August 8, 1937, 10:10 A.M. ✓

Magnetic Declination,  $29^{\circ} 15'$ ,  
Triangulation station BETS 1937, August 24, 1937, 8:05 A.M.

Time based on 135th Meridian.

Respectfully submitted,

*Edwin C. Baum*

Edwin C. Baum,  
Jr. H. & G. E., C. & G. S.,  
U.S.C. & G.S.S. EXPLORER.

Topographic Sheet "H-1937" and  
descriptive report pertaining thereto have been examined by me  
and are approved and forwarded. T-6590 ✓

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

GEOGRAPHIC NAMES

✓ GHE

TOPOGRAPHIC SHEET "H-1937" T-6590

CHART NAME	LOCAL NAME	SOURCE FROM WHICH INFORMATION WAS OBTAINED	RECOMMENDED NAME
Kuiu Island	Kuiu Island	Chart No. 8201	Kuiu Island
Pt. St. Albans	Pt. St. Albans	Chart No. 8201	Pt. St. Albans
Sumner Strait	Sumner Strait	Chart No. 8201	Sumner Strait

## Remarks

## Decisions

1		USGB decision
2		see T-6584
3		" "
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# GEOGRAPHIC NAMES

Survey No. T-6590

GEOGRAPHIC NAMES										
Survey No. T-6590										
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</div> <div>On local Maps</div> <div>P. O. Guide or Map</div> <div>Rand McNally Atlas</div> <div>U. S. Light List</div>									
	A,	B,	C,	D	E	F	G	H	K	
<u>Kuiu Island</u>	✓									1
<u>Sumner Strait</u>	✓									2
<u>Point Saint Albans</u>	✓									3
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Names underlined in red approved										26
by <u>GHE</u> on <u>5/25/38</u>										27
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# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
 DESCRIPTIVE REPORT } ~~No. T-6590~~  
 PHOTOSTAT OF } No. T-6590

{ 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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V. J. 2/30



Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 6590 (1937) FIELD NO. H-1937

Point St. Albans and Vicinity, Sumner Strait, S.E. Alaska

Surveyed in August 1937, Scale 1:20,000

Instructions dated July 16, 1936, (EXPLORER)

Plane Table Survey.

Aluminum Mounted.

Chief of Party - G. C. Jones

Surveyed by - Edwin C. Baum

Inked by - Edwin C. Baum

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 Surveys.

a. The junctions on the west with 1937 surveys: T-6584 and T-6585 are satisfactory.

b. Junction with other field work to the northward will be considered when that work is received from the field.

4. Comparison with Prior Surveys.

a. H-1749 (1886), T-2355 (1886) and T-2641a (1903-04).

T-2641a on a scale of 1:100,000, just touches the present survey in the vicinity of POINT ST. ALBANS and contains no information meriting consideration in this review.

H-1749 and T-2355 each contain shoreline and formlines on a scale of 1:80,000 and covers the entire area of the present survey. They are actually one topographic survey but the details are slightly different, especially in the case of formlines which appear to have been plotted independently. None of the formlines common to the present survey are accompanied by elevations. Because of the small scale, sparseness of details and the fact that this survey has been superseded by subsequent surveys, a comparison is of little value. It is noted, however, that the present survey bears out the essential features except that differences in positions and delineations of identical features exist.

The larger scale present survey with its greater detail and more rigid control should supersede these surveys in the common area in future charting.

b. T-3631 (1916), Scale 1:20,000.

A portion of this survey covers most of the present survey. Agreement of shoreline is good in some areas but in others differences of 100 to 270 m. are noted, the largest difference being in lat.  $56^{\circ}08.2'$ , long.  $133^{\circ}56.7'$ . Several rocks, awash and sunken falling near shore or in foul areas were not verified on the present survey or the accompanying hydrographic sheet, H-6284 (1937). The Descriptive Report, page 3 of H-6284 specifically states that the rock awash (charted) in lat.  $56^{\circ}05.5'$ , long.  $133^{\circ}57.4'$  was disproved. This Descriptive Report, page 2 further states that the entire shoreline and all foul areas were examined at near zero or minus tides. Since there is evidence on the sheet that the topographer had actually transferred some of the 1916 rocks in pencil for verification purposes, it is assumed that the rocks not verified are non-existent in the positions shown and should be disregarded in future charting.

Formlines on T-3631 were verified and supplemented where necessary. In several cases as in lat.  $56^{\circ}07.4'$ , long.  $133^{\circ}58.2'$  and lat.  $56^{\circ}08.7'$ , long.  $133^{\circ}58.0'$  marked revisions of as much as 500 m. in identical formlines were necessary. Agreement of elevations is good except that in some instances the present survey elevations vary 15 feet less in heights of 435 to 685 feet.

The present survey should supersede this survey in the common area in future charting.

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

a. Topography.

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

b. Aids to Navigation.

POINT ST. ALBANS buoy agrees closely with the charted position and satisfactorily marks the features intended.

6. Field Drafting.

The inking of the shoreline, topographic features and lettering is satisfactory. A mechanical lettering set should be used wherever practicable.

7. Additional Field Work Recommended.

No additional field work is required.



8. Superseded Prior Surveys.

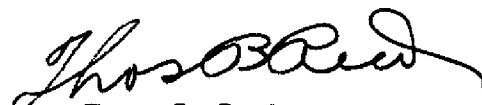
Within the area covered, the present survey supersedes the following surveys in the common area for charting purposes:

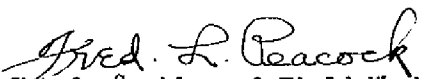
H-1749 (1886) in part, topography only.  
T-2355 (1886) in part.  
T-2641a (1903-4) in part.  
T-3631 (1916) in part.

9. Reviewed by Harold W. Murray, December 14, 1938.


Inspected by - J. A. McCormick.

Examined and approved:

  
Thos. B. Reed  
Chief, Section of Field Records

  
Fred. L. Peacock  
Chief, Section of Field Work

  
K.T. Adams  
Chief, Division of Charts

  
John H. Smith  
Chief, Division of Hydrography  
and Topography.