

6664

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

DESCRIPTIVE REPORT

Topographic }
Hydrographic } Sheet No. T-6664

State S.E. Alaska

LOCALITY

Sumner Strait

Pt. Amelius to Port Beauclerc

1938.

CHIEF OF PARTY

G. C. Jones

U. S. GOVERNMENT PRINTING OFFICE

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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 Letter

REGISTER NO. T-6664 T6664

State S.E. Alaska

General locality Sumner Strait

Locality Pt. Amelius to Port Beauclerc

Scale 1:20,000 Date of survey September, 1938.

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

Chief of Party G. C. Jones

Surveyed by John C. Ellerbe

Inked by John C. Ellerbe

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

Contour Approximate contour Form line interval XX feet

Instructions dated July 16., 1936.

Remarks:

DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET ACC. NO. T-6664

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

PROJECT HT-211

1 9 3 8

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G. C. Jones, Chief of Party, C. & G. S.

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET ACC. NO. T-6664
U.S.C. & G.S.S. EXPLORER
PROJECT HT-211

1 9 3 8

AUTHORITY:

This survey was accomplished in accordance with Director's instructions for Project HT-211, dated July 16, 1936. ✓

EXTENT:

This survey covers the shore line and rocks from Pt. Amelius to the entrance to Port Beauclerc, also Beauclerc Island. ✓

The sheet was intended to cover the southern part of Port Beauclerc also, but inclement weather and lack of time made its completion impossible. However, since this party will not be continuing work in that area, the incomplete sheet is being submitted. ✓

GENERAL DESCRIPTION:

The coast line in this vicinity consists generally of a narrow rock shelf, five to ten feet wide, which breaks abruptly into steep, heavily wooded mountain slopes, rising to about two thousand feet. The shoreline is fairly regular, with only a few small indentations. A bed of heavy kelp lies about five meters offshore along practically the entire shoreline. ✓

Beauclerc Island is a small islet, sixty feet high (ground elevation) and moderately wooded. It is surrounded by a heavy bed of kelp and many rocks and reefs. Beauclerc Island Light (U. S. Lighthouse Service) is located on the eastern side of the island, facing Sumner Strait. ✓

CONTROL:

Control for this survey was triangulation executed in 1929, supplemented by stations located by G. C. Jones in 1937. ✓

SURVEY METHODS:

A traverse was begun at triangulation station "ROCK",¹⁹²⁹ and run to the southward, meeting a traverse run northward on topographic sheet No. 6638,⁽¹⁹²⁷⁻²⁸⁾ at a whitewashed point located by cuts on that sheet. Another traverse was begun at triangulation station "ROCK",¹⁹²⁷ and run northward to triangulation station "SUN",¹⁹²⁹ via triangulation station "SOW".¹⁹²⁹ Cuts were taken to points on Beauclerc Island along the route of this traverse.

The table was then set up at triangulation station "ISLE", and as much of Beauclerc Island rodged in as was possible. A traverse was ~~there~~ begun at this point and carried around the west side of the island, closing on Beauclerc Light.

A closure of zero was obtained on all traverses.

COMPARISON WITH PREVIOUS SURVEYS:

In comparing this survey with previous work, no outstanding differences were noted. In cases of minor differences, this survey should be taken as correct.

✓ See item 2
of review

GEOGRAPHIC NAMES:

No new geographic names were assigned. It is recommended that those shown on the sheet, which are already charted, be retained.

ELEVATIONS - FORM LINES:

Only a few elevations were obtained on this sheet, since the nature of the country prevented the tops of slopes being seen from planetable set-ups along the beach. It was planned to use other methods to locate and obtain elevations of various points to facilitate drawing of form lines, but time and inclement weather prevented the execution of these plans. Therefore, no form lines are shown. The few elevations obtained are shown. All are heights of ground above mean high water.

ANCHORAGES, CHANNELS, ETC:

No anchorages or channels were noted in the area covered by this sheet.

HYDROGRAPHIC STATIONS:

No marked hydrographic stations were established, as it was felt that there was sufficient triangulation, to afford the prescribed number of marked stations. ✓

MAGNETICS:

No declinatoire observations were obtained on this sheet, since, due to the presence of iron screws in the planetable board, these observations would be useless. Compass declinometer observations were obtained at triangulation "ISLE", and at triangulation station "RUTH", the latter station being just south of the junction of this sheet with sheet No. 6638. (4937-38) A separate report on these observations has been submitted. ✓

DISTORTION:

No distortion was observed on this sheet at any time while in the field. ✓

JUNCTIONS:

A satisfactory junction was obtained with Topographic Sheet Acc. No. 6638, (4937-38) on the south. ✓

The northern end of the sheet is unfinished. ✓

SIGNALS:


Hydrographic signals (whitewashes) were established and located, but it is probable that most of them will be washed away before work is resumed in this area. Their positions are marked on the sheet, however, in case any of them could be recoverable at that time. Three signals - two logs, large and heavy enough to probably retain their positions through almost any weather, and a prominent pinnacle rock - are identified on the sheet. All other signals are whitewashes. ✓

Whitewash signals, with supplemental marks of signal cloth tied to bushes or trees nearby, were established throughout Port Beauclerc. These may be recoverable at a time in the near future.


STATISTICS:

Statute miles of shoreline	9.5
Area, in square statute miles	0.1
Number of elevations	20

Respectfully submitted,


John C. Ellerbe,
Jr. H. & G. Engr.

APPROVED AND FORWARDED:


G. C. Jones,
Chief of Party, C. & G. S.

Remarks.

Decisions

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GEOGRAPHIC NAMES

Survey No T-6664

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	G	H	K
<u>Kuiu Island</u>									1
<u>Sumner Strait</u>									2
<u>Point Amelius</u>									3
<u>Beauclerc Island</u>									4
<u>Port Beauclerc</u>									5
<u>Beauclerc Island Lt.</u>									6
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L. Heck 6/27/29

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT

~~PHOTO STAT COPY~~

~~NO. 11~~

No. T -6664

received April 29, 1939
registered June 22, 1939
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

DIVISION OF CHARTS

SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. 6664

S. E. Alaska, Sumner Strait, Pt. Amelius to Port Beauclerc
Surveyed September 1938; Scale 1:20,000
Instructions dated July 16, 1936

Plane Table Survey

Aluminum Mounted

Chief of Party - G. C. Jones
Surveyed by - J. C. Ellerbe
Inked by - J. C. Ellerbe
Reviewed by - R. H. Carstens
Inspected by - H. R. Edmonston, April 15, 1943

1. Adjoining Surveys

A satisfactory junction was effected with H-6638 (1937-38) on the south. Project surveys to the north are still incomplete.

2. Comparison with Prior Surveys

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

Portions of the present survey are in poor agreement with these earlier surveys. In places there are differences in the position of the shoreline of as much as 550 meters as, for example, in Lat. $56^{\circ}15.5'$; Long. $133^{\circ}54.5'$. The shape of Beauclerc Island is noticeably different and the position of the island in Lat. $56^{\circ}13'$; Long. $133^{\circ}53'$ differs by as much as 300 meters. These differences are probably due to the small scale and scarcity of control on the earlier surveys. The present survey is considered adequate to supersede these earlier surveys within the common area.

3. Comparison with Chart 8201 (latest print date 9-26-42)

a. Topography

The charted topography within the limits of the present survey originates with the present survey and is correctly charted.

b. Aids to Navigation

The present survey position of the fixed aid to navigation is in agreement with the charted position.

4. Condition of Survey

Satisfactory.

5. Compliance with Instructions for the Project

Satisfactory except as stated in the descriptive report no form lines were drawn.

6. Additional Field Work Recommended


In order to complete the survey of this area the necessary form lines should be drawn when work is again resumed on this project.

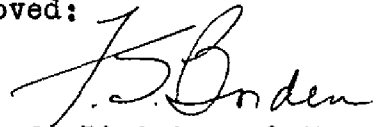
7. Superseded Surveys


T-2355 (1886)


H-1749 (1886) for topography only

Examined and approved:


Chief, Surveys Branch


Chief, Division of Charts


Chief, Section of Hydrography


Chief, Division of
Coastal Surveys