

6833a&b

Diag. Cht. No. 6389

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC  
PF-A-47 T-6833a  
Field No. EX-B-47 Office No. T-6833b

LOCALITY

State Washington  
General locality San Juan Islands  
Locality Lopez Sound

1947

CHIEF OF PARTY

R.F.A. Studds and F.B.T. Siems

LIBRARY & ARCHIVES

DATE Feb. 14, 1950

6833a&b

FORM 537a  
(9-24-47)

DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

REGISTER NO. T - T-6833 a

TOPOGRAPHIC TITLE SHEET

FIELD NO. PF-A-47

Each Planetable and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

ST.

WASHINGTON

GENERAL LOCALITY

San Juan Islands

LOCALITY

Lopez Sound

SCALE

1/10,000

DATE OF SURVEY

March, 1947

VESSEL

PATHFINDER and EXPLORER

CHIEF OF PARTY

R.F.A.Studds and F.B.T.Siems

SURVEYED BY

E.H.Sheridan and R.H.Randall Jr.

INKED BY

R.H.Randall Jr. and W.M.Martin

HEIGHTS IN FEET ABOVE MHW OR

☐ TO GROUND

☐ TO TOPS OF TREES

CONTOUR

APPROXIMATE CONTOUR

FORM LINE INTERVAL FEET

PROJECT NUMBER

CS-241

REMARKS

This plate was turned over to the Processing Office without  
a title sheet.  
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NOTES FOR DESCRIPTIVE REPORT

to accompany Topographic Survey Field No. ~~PA~~<sup>T-6833 a. (1947)</sup> - A - 47  
~~PF~~

*San Juan Islands, Washington,*

These notes apply to work done by a party from the EXPLORER between the dates of 5 March and 27 March 1947 in Lopez Sound and northward - from Trump Island to Upright Head - in the San Juan Island group, Washington. This survey was begun by a party from the PATHFINDER which located most of the signals and the shoreline detail at the heads of Shoal Bay and Swifts Bay.

(a,b) Remarks concerning landfalls, objects useful as aids to navigation, and landmarks do not apply, the waters being inland and well marked as regards dangers to navigation, and the shores being uniformly tree-lined and mostly rocky, with no objects especially suitable for landmarks.

(c) Control was USC&GS triangulation, established in 1939 and 1940, from which all signals were located on the plantable sheet by graphic triangulation.

(d) No traverses were run. ✓

(e) Shoreline was rodded in from setups at or near control points in all cases. Off-lying features were located by rod readings and two or more cuts. ✓

(f) No form lines were drawn. ✓

(g,n) As far as evident from a comparison with topographic detail penciled on the topographic sheet by the Seattle Processing Office, the present survey shows no significant changes in shoreline. Review, par. 2.

(h) All work is considered complete. ✓

(i) Standard topographic procedures were followed. The graphic triangulation extending eastward through Thatcher Pass to Fauntleroy Point Light is inset within the penciled enclosure on the topographic sheet. ✓

(j) Junctions with Topographic Survey No. <sup>(1946)</sup> T-6737 to the southward are satisfactory. ✓

(k) No new place names are recommended. ✓

(L) There are no prominent objects in the area surveyed by the EXPLORER. ✓

(m) No photographs were obtained. ✓

(o) The only marsh-like area surveyed by the EXPLORER's party is in the vicinity of Spencer Spit, as indicated on the topographic sheet. The limits of this marsh are about the same at all stages of tide, the small lake that it borders being entered by tidal water only at high water. The small lake in the vicinity of ✓

(... in the vicinity of)

Triangulation Station CORAL 2, 1939, is only slightly brackish, apparently entered by sea water only during very severe storms, and is not surrounded by a marsh.

Respectfully submitted,

*Robert H. Randall, Jr.*

Robert H. Randall, Jr.  
Lieutenant, USC&GS

Approved:

*F. B. T. Siems*

F. B. T. Siems,  
Commanding EXPLORER

14 April 1947

FORM 537a  
(9-24-47)

DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

REGISTER NO. T- T-6833 b

TOPOGRAPHIC TITLE SHEET

FIELD NO. EX - B - 47

Each Planetable and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

STATION WASHINGTON

GENERAL LOCALITY SAN JUAN ISLANDS

LOCALITY LOPEZ SOUND

SCALE 1/10,000

DATE OF SURVEY March, 19 47

VESSEL PATHFINDER and EXPLORER

CHIEF OF PARTY R.F.A. Studds and F.B.T. Siems

SURVEYED BY E.H. Sheridan and C.W. Clark

INKED BY C.W. Clark and W.M. Martin

HEIGHTS IN FEET ABOVE MHW OR ☐ TO GROUND ☐ TO TOPS OF TREES

CONTOUR APPROXIMATE CONTOUR FORM LINE INTERVAL FEET

PROJECT NUMBER CS-241

REMARKS

This plate was turned over to the Processing Office without a tital sheet.

NOTES FOR DESCRIPTIVE REPORT

to accompany Topographic Survey Field No. EX-~~A~~<sup>B</sup>-47 T-6833 b. (1947)

These notes apply to work done by a party from the EXPLORER between 24 March and 28 March 1947. ✓

(a,b) Do not apply. ✓

(c) Control was based on second-order triangulation established in ~~1940~~ 1939 and 1940 from which all topographic stations were located on the planetable sheet by graphic triangulation. All topographic stations on the west side of the sound south of  $\Delta$  MOND and on the east side of the sound south of  $\Delta$  CAIRN 2 were located by the EXPLORER. ✓

(d) No traverses were run. ✓

(e) Shore line from  $\Delta$  TRIPLE POINT, 1889 eastward to the east side of a small cove 1/4 mile east of  $\Delta$  TRIPLE POINT was rodded in from setups at or near triangulation or topographic stations. Off-lying features were located by rod readings. Shore line from  $\Delta$  CORRAL northward to the east end of a sand beach on the south side of Peavine Pass was rodded in from setups at or near triangulation or topographic stations. The east half of a small bight east of  $\Delta$  CAIRN 2 was rodded in from setups near topographic stations. No other shore line on the sheet was surveyed by the EXPLORER. ✓

(g, n) There were no significant changes from previous topography on the small amount of shore line of this sheet. ✓

(h) The sheet was not completed. ✓

(i) Standard topographic procedures were followed. ✓

Respectfully submitted,

*Charles W. Clark*  
Charles W. Clark  
Lieut.

Approved:

*F. B. T. Siems*

F. B. T. Siems  
Commanding EXPLORER

# GEOGRAPHIC NAMES

Survey No. T-6833a

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K	
<u>San Juan Archipelago</u>									USPCW	1
<u>Decatur Island</u>										2
<u>Lopez Island</u>										3
<u>Blakely Island</u>										4
<u>Lopez Sound</u>										5
<u>Frost Island</u>										6
<u>Flores Island</u>										7
<u>Spencer Spit</u>										8
<u>Port Stanley</u>		(village)								9
<u>Swifts Bay</u>										10
<u>Humphrey Head</u>										11
<u>Shoal Bay</u>										12
<u>Upright Head</u>										13
<u>Bald Bluff</u>										14
<u>Willow Island</u>										15
<u>b:</u>										16
<u>Blakely Island</u>										17
<u>Orcas Island</u>										18
<u>Foster Point</u>										19
<u>Shag Rock</u>										20
										21
										22
										23
(see chart 6380 for placement of names)										24
										25
										26
										27

Names underlined in red are approved. 10-2-50

L. Heck

# GEOGRAPHIC NAMES

Survey No. T-6833b

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
									1
									2
									3
									4
									5
									6
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DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-6833a

FIELD NO. PF-A-47

Washington, San Juan Islands, Lopez Sound  
Surveyed in March, 1947                      Scale 1:10,000  
Project No. CS-241

Plane Table Survey

Aluminum Mounted

Chief of Party - R.F.A. Studds and F.B.T. Siems  
Surveyed by - E. H. Sheridan and R. H. Randall Jr.  
Inked by - R. H. Randall Jr. and W. M. Martin  
Reviewed by - T. A. Dinsmore, 29 September 1950  
Inspected by - R. H. Carstens

1. Adjoining Surveys

The junctions with T-6833b (1947) on the northeast and T-6737 (1940) on the south are excellent.

Junctions on the east and northwest will be considered when adjoining topographic surveys are accomplished.

2. Comparison with Prior Surveys

T-1952, T-1953 and T-1955 (1889) 1:10,000

These prior surveys cover the area of the present survey. The shoreline and low-water detail on the prior and present surveys are in excellent agreement. One rock has been carried forward to the present survey from T-1955 (1889). With the indicated addition, the present survey supersedes the prior surveys within the common area.

3. Comparison with Chart 6380 (Latest print date 8/21/50)

a. Topography

Charted topography originates with the previously discussed surveys which need no further consideration and with partial application of the present survey. The present survey supersedes the charted information.

b. Aids to Navigation

33 VKK 4-18-52

The light charted in lat. 48° 38.20', long. 122° 51.18', is in agreement with the survey position. No other aids to navigation are charted within the limits of the present survey.

c. Magnetic Meridians

Declinatoire observations of the magnetic meridian are in substantial agreement with the charted values.

4. Condition of Survey

- a. The survey was neatly inked and conforms to the requirements of the Topographic Manual.
- b. The Descriptive Report satisfactorily covers all matters of importance.


5. Compliance with Project Instructions

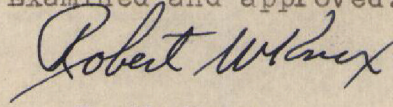
The survey adequately complies with the Project Instructions.

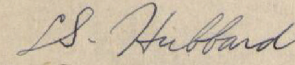
6. Additional Field Work

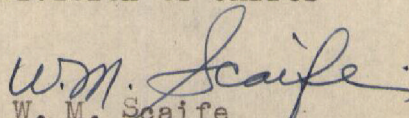
This is an excellent survey and no further field work is required.

Examined and approved:

  
H. R. Edmonston  
Chief, Nautical Chart Branch

  
R. W. Knox  
Chief, Division of Charts

  
L. S. Hubbard  
Chief, Section of Hydrography

  
W. M. Scaife  
Chief, Division of Coastal Surveys

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-6833b

FIELD NO. EX-B-47

Washington, San Juan Islands, Lopez Sound  
Surveyed in March, 1947 Scale 1:10,000  
Project No. CS-241

Plane Table Survey

Aluminum Mounted

Chief of Party - R.F.A. Studds and F.B.T. Siems  
Surveyed by - E. H. Sheridan and C. W. Clark  
Inked by - C. W. Clark and W. M. Martin  
Reviewed by - T. A. Dinsmore, 29 September 1950  
Inspected by - R. H. Carstens

1. The control for the present survey is based on triangulation of 1939 and 1940.
2. Only three short sections of shoreline are delineated on the present survey which is incomplete. The section of shoreline on the southeast junctions adequately with T-6833a (1947) on the south. There are no other junctions to be considered.
3. Excellent agreement was found between the sections of shoreline on the present survey and the shoreline on prior surveys T-1952 and T-1954 (1889) 1:10,000. The present survey, however, locates several piling, a dolphin and a pier which do not appear on the prior surveys. The present survey information supersedes the common areas on the prior surveys.
4. Topography charted on 6380 (print date of 8/21/50) originates with the above prior surveys which require no further consideration.
5. No observations for magnetic declination were made on this survey.

Inspected by: R. H. Carstens

Reviewed by: T.A. Dinsmore  
29 Sept. 1950

## NAUTICAL CHARTS BRANCH

SURVEY NO. T-6833a & b

### 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.