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C. & G. SURVEY  
L. & A.  
APR. 20 1918  
Acc No

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

State: \_\_\_\_\_

11-5013

**DESCRIPTIVE REPORT.**

Sup. \_\_\_\_\_ Sheet No. 3683  
3684  
3685

LOCALITY:

\_\_\_\_\_  
191  
\_\_\_\_\_

CHIEF OF PARTY:

3683  
3684  
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DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEETS A, B AND C.

SHILSHOLE BAY

to

LAKE WASHINGTON.

Surveyed by Douglas Karr, Jr. H. & G. E.,

John A. Daniels, Jr. H. & G. E.,  
Chief of Party.

1917.

DESCRIPTIVE REPORT.

Topographic Sheets A, B, and C.

SCALE, LIMITS.

Sheets A and B upon scale of 1:5000 include the shoreline of Lake Washington Canal and tributary waters from Shilshole Bay to Lake Washington, including all of Lake Union and Union Bay to Lake Washington proper. Sheet C includes the low land between Salmon Bay and Smith Cove and the shoreline of Smith Cove. No contouring was done, as the changes in elevation since the old survey was made are few and elevations at these points are available from city surveys.

OBJECT OF SURVEY.

The object of this resurvey is to map accurately the changes that have taken place through the completion of the Lake Washington Canal and incidental raising of the level of Salmon Bay and Lake Union and lowering of Lake Washington. The object is also to show all improvements along the waterfront and to locate points that can be used for signals in hydrographic work.

METHODS, PARTY.

The regulation C. & G. S. planetable outfit with jointed telemeter rods of the latest accepted type was used throughout. The sheets were frequently checked for distortion and allowances made to prevent errors from this cause. Frequent three point determinations were used to check traverses. The party consisted of Douglas Karr, Jr. H. & G. E. with two rodmen. Transportation was by street car except at a few points where a row boat was hired for short periods. All sheets were inked by the Chief of Party at the Washington office. Triangulation control was partly from a scheme executed by the revision party in 1917 and partly from the scheme of Assistant Rude in 1915. Throughout this work particular care was exercised to secure accuracy in the location of details.

*Respectfully Submitted*  
*John A. Daniels*  
*J. H. & G. E.*

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Field No. **A**  
Register No. **3683**

State . . . Washington . . . . .

General locality . . . City of Seattle, Lake Washington Canal .

Locality . . . From Lake Washington to and including Lake Union.

Chief of party . . . John A. Daniels . . . . .

Surveyed by . . . Douglas Kerr . . . . .

Date of survey . . . May and June, 1917 . . . . .

Scale . . . 1 : 5000 . . . . .

Heights in feet above . . . No Elevations . . . . .

Contour interval . . . . . feet.

Inked by . . . J.A.D. . . . . Lettered by . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet U, S? Engineers' report of improve-  
ments along Lake Washington Canal.

Remarks:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Field No. **B**  
Register No. **3684**

State . . . Washington . . . . .

General locality . . . City of Seattle, Lake Washington Canal . . . . .

Locality . . . From Lake Union to Shilshole Bay . . . . .

Chief of party . . . John A. Daniels . . . . .

Surveyed by . . . Douglas Burr . . . . .

Date of survey . . . April & May, 1917 . . . . .

Scale . . . 1" = 5000' . . . . .

Heights in feet above No. Elevations . . . . .

Contour interval . . . . . feet.

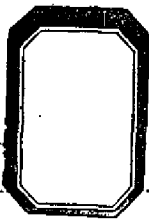
Inked by . . . J. A. D. . . . Lettered by . . . . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet U. S. Engineers Maps of  
improvements in Lake Washington Canal

Remarks:



3683A

C. & G. SURVEY  
L. & A.  
MAR. 23 1918  
App. No.

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

Superintendent.

State:

DESCRIPTIVE REPORT.

Top. Sheet No. 3683 2

LOCALITY:

191

CHIEF OF PARTY:

3683A

DEPARTMENT OF COMMERCE.

U. S. Coast & Geodetic Survey,

E. Lester Jones, Superintendent.

A DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET

3683 a

Vicinity of U. S. Naval Training Station,

Seattle, Wash.

October. 1917.

U. S. C. & G. S. S. Explorer.

A DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET

Vicinity of U. S. Naval Training Station,

Seattle, Wash.

By party from Str. Explorer.

October, 1917.

LIMITS AND PURPOSE.

This sheet covers that portion of the shoreline and prominent objects in the immediate vicinity of the U. S. Naval Training Station on the University of Washington campus for the purpose of controlling a hydrographic survey to furnish data to the Navy for bringing the U. S. S. "Princeton" to the Training Station.

A previous survey had been made of this area during the summer of 1917 by the party under the direction of Jr. H. & G. E. J. A. Daniels but this data was not available for the immediate use of the Navy.

ORGANIZATION OF PARTY.

The work was executed by T. J. Maher, H. & G. E., assisted by Geo. R. Kantzler, Aid.

GENERAL CHARACTER OF THE SHORELINE, DANGERS, ETC.,

A description of the general character of the shoreline, dangers, etc., will be found in descriptive report accompanying hydrographic sheet covering this area. Considerable information on this subject will undoubtedly be found in reports submitted



by Mr. Daniels' party.

MISCELLANEOUS.

The signals on this sheet which were used by the hydrographic party for the control of their work were located by planetable triangulation. Scale of sheet 1:2,000.

Respectfully submitted,

*Geo. R. Kautzler*

Aid, U. S. C. & G. S.

Approved and forwarded,

*W. S. ...*

H. & G. E., U. S. C. & G. S.,  
Commanding Steamer Explorer.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3683<sup>a</sup>

State . . . . . Washington.

General locality . . Seattle, Washington.

Locality Vicinity of Naval Training Station on U. of W. Campus.

Chief of party Hydrographic & Geodetic Engineer T. J. Maher

Surveyed by T. J. Maher, H. & G. E., and Geo. R. Kantzler, Aid.

Date of survey October 25th and 26th, 1918.<sup>7</sup>

Scale . . 1:2,000.

Heights in feet above --

Contour interval -- feet.

Inked by (T. J. Maher)  
(Geo. R. Kantzler) Lettered by (T. J. Maher)  
(Geo. R. Kantzler.)

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

Remarks: Executed for control of hydrographic survey in vicinity of Naval Training Station.

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3683<sup>e</sup>

State . . . . . Washington.

General locality . . . Seattle, Washington.

Locality . . . Vicinity of Naval Training Station on U. of W. Campus.

Chief of party . . . Hydrographic & Geodetic Engineer T. J. Maher

Surveyed by . . . T. J. Maher, H. & G. E., and Geo. R. Kantsler, Aid.

Date of survey . . . October 25th and 26th, 1916.

Scale . . . 1:2,000

Heights in feet above . . . --

Contour interval . . . -- feet.

Inked by (T. J. Maher) Lettered by (Geo. R. Kantsler)

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . . . .

Remarks: Executed for control of hydrographic survey in vicinity of Naval Training Station.