

8909

Diag'd. on Diag. Ch. No. 6450-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. E-41 & 42 Office No. T-6909

LOCALITY

State Washington

General locality Admiralty Bay

Locality Whidbey Island

1941,-42

CHIEF OF PARTY

{ L. D. Graham } C. Pierce
{ R. R. Moore }

LIBRARY & ARCHIVES

DATE January 6, 1944

B-1870-1 (1)

6909

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO.

72309

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-41 & 42

REGISTER NO. **6909**

State WASHINGTON

General locality PUGET SOUND Admiralty Bay

Locality Whidbey Island ADMIRALTY INLET - Admiralty Bay

Scale 1 - 10 000 Date of survey Nov, 1942

1941

Vessel WESTDAHL

Pratt

Chief of party CHARLES PIERCE

L.D. Graham
R.R. Moore
E.F. Hicks

Surveyed by CURTIS LE FEVER

Inked by Christine Nechaj

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated SEPTEMBER 30, 1941

Remarks: _____

DESCRIPTIVE REPORT

6909

Report to accompany sheet E- 1941 and 1942 Puget Sound, Admiralty Inlet, Washington.

AUTHORITY

Instructions dated September 30, 1941, Project 271.

PURPOSE OF SURVEY

Location of additional hydrographic signals in Admiralty Bay and completion of the survey of the shore line around Admiralty Head.

This sheet was partially completed in 1941 by personnel of the motor vessel PRATT. Hydrographic signals were located and the high and low water line was surveyed from the southern boundary of the sheet to the vicinity of Fort Casey Wharf. The hydrographic survey of the bay was not executed at that time and about 60 % of the hydrographic signals were found missing when searched for by this party. ^{* Lat. 48°09.5'}
^{Long. 122°40.03'}

ADDITIONAL TOPOGRAPHY

Additional hydrographic signals were erected in this area and a traverse was extended throughout its length for the purpose of locating them and checking the location of those signals which were yet in place from the 1941 survey. The highwater line was surveyed from the vicinity of Fort Casey Wharf, northwestward around Admiralty Head to a junction with the most recent topographic survey north of the head. A good junction was obtained with the survey/completed by the Str. SURVEYOR in 1940.

7-6767 (1940)

The low water line had not been located on this sheet in 1941 and this party was not in that area at a time when it could be rodded. The beach is rather steep sloping sand and the low water will be best determined by the hydrographic survey. No elevations have been determined for the recontouring of the area.

METHOD OF SURVEY

Plane Table methods were used throughout the survey and a good check was obtained with all existing signals. The sheet is not being inked at this time as the hydrography may not be completed this season and it may be necessary to locate additional signals in this area at the time the hydrography is executed. The sheet will be transmitted to the Processing Office to be held, uninked until such a time as the hydrography is completed.

RECOVERABLE TOPOGRAPHIC STATIONS

One Permanently marked topographic station WAT was established and a description submitted on form 524.

ADDITIONAL WORK

To complete the topographic survey in this area, enough elevations should be determined to make it possible to check the existing contours; A small lake which is located near triangulation station Admiralty West Base should be surveyed; The existing highways in the area should be ^{run} to the limits of the sheet and at least one declinetoire^u observation should be made in the area. All of this should be done on this sheet before it is inked

not
done

STATISTICS

Statute miles of traverse ----- 6.8

Approved and forwarded,

Charles Pierce

Charles Pierce, Chief of Party
U.S.C. & G.S.

Respectfully submitted

Curtis Le Fever

Curtis Le Fever

Remarks

Decisions

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2	In strict application, Admiralty Inlet is separate from Puget Sound.	481226 U.S.G.B.
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GEOGRAPHIC NAMES

Survey No. **TC909**

GEOGRAPHIC NAMES											
Survey No. TC909											
Name on Survey											
	A	B	C	D	E	F	G	H	K		
Washington											1
Paget Sound Admiralty Inlet											2
Admiralty Bay											3
Admiralty Head											4
Whidbey I.											5
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Names underlined in red approved

by L. Heck on 2/26/44

M 234

Names underlined in red approved
by L. Heck on 2/26/44

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-6909

FIELD NO. E 41-42

Washington, Admiralty Bay, Whidbey Island
Surveyed in November 1941 and 1942 Scale 1:10,000
Project No. CS-271

Plane Table Survey

Aluminum Mounted

Chief of Party - L. D. Graham; R. R. Moore; C. Pierce
Surveyed by - E. F. Hicks and C. LeFever
Inked by - C. Nechai
Reviewed by - G. F. Jordan, January 7, 1949
Inspected by - R. H. Carstens

1. Control

Triangulation stations of 1921 and 1941 furnished the control for this survey.

2. Adjoining Surveys

An adequate junction was effected with T-6767 (1940) on the west side of Admiralty Head. A one-half mile overlap of the surveys shows agreement in shoreline delineation.

Surveys of the present project have not been extended southward to date.

3. Comparison with Prior Surveys

a. H-333 (1852) on scale 1:214,240

This small-scale, combined topographic and hydrographic reconnaissance survey contains no information of current value and is superseded by the present survey in the common area.

b. T-1164 (1870) on scale 1:10,000

Most of the shoreline has remained unchanged since this prior survey. Differences of 10 to 15 meters (possibly erosion) occur on small portions of the eastern shore of the bay and immediately east of Admiralty Head.

The bluff on the east side of Admiralty Head, represented by form lines on the prior survey, is considered to be inaccurately delineated by bluff symbolization on the present survey. The existence of a protrusion in the bluff (shown on the prior survey) west of signal DRI on the present survey, is substantiated by a Corps of Engineers survey (Bp. 43519). This blueprint shows the toe of the bluff about 80 meters east of the bluff on the present survey. The protrusion, or rounded head, also appears on U.S.E. Quadrangle Coupeville. The bluff line shown on the east side of Admiralty Head on the present survey should be disregarded.

4. Comparison with Chart 6405 (Print date of Nov. 1, 1948)
Chart 6450 (Print date of Oct. 25, 1948)

a. Topography

The shoreline on the charts is from the present survey, supplemented by blueprint 43519 (1948) which shows the newly dredged basin east of Admiralty Head.

Interior detail is from T-1164 (1870), supplemented by U.S.E. Quadrangle Coupeville, except that the bluff on the present survey discussed in par. 3 above, is shown completely on Chart 6450 and in part on Chart 6405.

b. Aids to Navigation

No aids to navigation are charted within the limits of this survey.

c. Magnetic Meridian

No observations for magnetic meridian were obtained on this survey.

5. Condition of the Survey

a. The Descriptive Report adequately covers all matters of importance.

b. The survey provided shoreline and adequate control for contemporary hydrographic surveys.

6. Compliance with Project Instructions

The work accomplished complies with the project instructions. Interior detail requested in the instructions and not accomplished before the end of the season will probably be available from future air photographic surveys. (Instructions, par. 7).

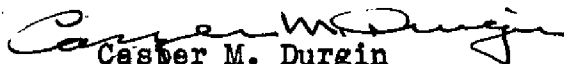
7. Additional Field Work Recommended


This survey was considered incomplete when released by the Chief of Party at the end of the 1942 season (See par. 6 above).


The disposition of the bluff-line discrepancy discussed in par. 3b above, will probably be confirmed when air photographic surveys are made.

Examined and approved:


H. R. Edmonston
Chief, Nautical Chart Branch


Casper M. Durgin
Chief, Division of Charts


K. G. Crosby
Chief, Section of Hydrography


C. K. Green
Chief, Division of Coastal Surveys

Applied to Chart 6300.	January 27, 1944	L.A.M.
" " " 6450	March 13, "	E.M.A. before review
" " " 6405	June 2 "	JRW "