DESCRIPTIVE REPORT

Topographic Sheet No. T-6768

U. S. COAST & GEODETIC SURVEY
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DEC 30 1941

State   WASHINGTON
LOCALITY

WHIDBEY ISLAND

PARTRIDGE Pt., Northward

CHIEF OF PARTY

ROBERT W. KNOX
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. B

REGISTER NO. T-6768

State WASHINGTON

General locality WHIDBEY ISLAND

Locality PARTRIDGE PT., NORTHWARD

Scale 1/10,000 Date of survey October 19, 1940

Vessel U.S.S. SURVEYOR

Chief of party ROBERT W. KNOX

Surveyed by CLARENCE R. REED

Inked by CLARENCE R. REED

Heights in feet above M.H.W. to ground

Contour, Approximate contour, Form line interval feet

Instructions dated Sept. 22, 1939

Remarks:
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET T-6768

PARTRIDGE POINT NORTHWARD

WHIDBEY ISLAND, WASH.

1940

U.S.C & G.S.S. SURVEYOR ROBERT W. KNOX, COMDG.

AUTHORITY:

Instructions dated Sept. 22, 1939 - Project ✓

HT-241.

CONTROL:

Second and third order triangulation of current ✓

season.

LOCALITY AND GENERAL DESCRIPTION:

The survey covers the west shore of Whidbey Island from south of Partridge Point to triangulation station Lake-1939-4 at Latitude 47° 18.3'. The shore consists of clay bluff behind a steep slope to the gravel beach. In the vicinity of station "Lake" the shore is a sandy spit backed by low grass land. The island is partly under cultivation and partly in second growth coniferous timber.

SURVEY METHODS:

Ordinary plane table methods were used except that in running traverses from "Low" to "Partridge Point Light" and from "Party" to "Partridge Point Light" it was necessary to orient on stations not plotted on the sheet. This was accomplished by computing points on the azimuth line by plane trigonometry. The error involved in this method due to computation is considerably less than the error allowable for field work.

Low water line was transferred from contemporary launch hydrographic sheets.

CLOSING ERRORS:

Δ Party to Δ Partridge Pt. Lt. 1.0 miles 1m. (unad justed
Δ Low to Δ Partridge Pt. Lt. 2.4 " 10m. (adjusted)
Δ Low to Δ Lake 3.0 " 15m. (adjusted)
(Run twice, long both runs)
COMPARISON WITH PREVIOUS SURVEYS:

The present survey was compared with Sheet Register #1253 (1871). The high water line has receded in several places and built out slightly in a few. The low water line is in general farther from the high water line at present than as shown on the old survey. Chief differences are as follows:

- 40 meter recession at Latitude 48°13'41"
- 30 " " " " 48°16'17"
- 40 " " " " 48°17'10"
- 20 " accretion " " 48°17'15"
- Rock awash at 3/4 tide at " 48°16'55"

Not shown on old survey.

GEOGRAPHIC NAMES:

No change of geographic names as charted is recommended.

LANDMARKS:

There are no landmarks except the charted navigational aids.

MAGNETICS:

Declinometer observations were made at the following points:

- △Low Oct. 23, 1940 23°-16' E
- △Low Oct. 25, 1940 23°-20' E
- △Party Oct. 30, 1940 23°-30' E

A transit magnetometer observation was taken at △Partridge 1921 on January 8, 1941 and declination obtained was 23°-37' E.

Charted values of declination in 1940 are 23°-25' E west of Partridge Point on chart 6450 and 23°-42' E north of triangulation station Lake on chart 6380.

RECOVERABLE PLANE TABLE POSITIONS:

The only recoverable topographic signals are:

- USE (signal on tree) Lat. 48° - 17' 1258 m.
  Long. 122° - 45' 615 m.
- ABE (cable crossing sign) Lat. 48° - 13' 944 m.
  Long. 122° - 46' 141 m.
STATISTICS:

Statute miles of shore-line —— 7.2

Respectfully submitted,

Clarence R. Reed
U.S.C. & G.Survey

Approved & Forwarded:

Commanding Officer,
U.S.C. & G.S.Surveyor
The field work on Sheet T 6763 was done under my supervision. It has been inspected and approved by me. No further field work is recommended.

Robert W. Knox, H. & G. E.,
Commanding SURVEYOR.

Forwarded from Seattle Processing Office

Dec. 16, 1891
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*Note: Names underlined in redapolon.*

*Signature on 3/81/41.*
DIVISION OF CHARTS

REVIEW SECTION - SURVEYS BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

Washington; Whidbey Island; Point Partridge Northward
Surveyed October 1940; Scale 1:10,000
Instructions dated September 22, 1939 (Project H. T. 241)

Plane Table Survey

Chief of Party - R. W. Knox
Surveyed and inked by - C. R. Reed
Reviewed by - J. A. McCormick, September 22, 1943
Inspected by - H. R. Edmonston

Aluminum Mounted

1. Adjoining Surveys

Satisfactory junctions were effected with T-6767 (1940) on the south and with T-6769 (1940) on the north.

2. Previous Surveys

T-1253 (1871), 1:10,000; T-1254 (1871), 1:10,000

In the descriptive report the field party notes several differences in shoreline of the old and new surveys. None exceed 40 meters and it is probable that changes actually have taken place in the clay bluffs.

3. Comparison with Chart 6450 (Print of June 12, 1943)

Topography on the present survey has already been added to the chart. Declinatoire observations are in satisfactory agreement with the charted variation. Survey and chart agree on the position of Point Partridge Light.

4. General Comment

The descriptive report states that the low water line on the present survey was transferred from contemporary hydrographic surveys. Such transfers are not necessary and are sometimes misleading.
5. **Compliance with Project Instructions**
   Satisfactory.

6. **Additional Field Work Recommended**
   None.

7. **Superseded Surveys**
   T-1253 in part
   T-1254 " "

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Examined and approved:

[Signatures]

- **Chief, Surveys Branch**
  Robert Wilson

- **Chief, Division of Charts**
  J. C. Pender

- **Chief, Section of Hydrography**
  E. D. LaPorte

- **Chief, Division of Coastal Surveys**
  E. H. L. Goddard