Diag. Cht. No. 6157 (Insert)

Form 504

U. S. COAST AND GEODETIC SURVEY
DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey

TOPOGRAPHIC

Field No. G - 47 Office No. T-7062

LOCALITY

State. Idaho

General locality Pend Oreille Lake
Locality Sandpoint

194 8

CHIEF OF PARTY

E. R. McCarthy

LIBRARY & ARCHIVES

DATE 13 SEPT. 1948
Each Planetary and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

STATE
IDaho

GENERAL LOCALITY
PEND OREILLE LAKE \\
ESTHRIDGE RIVER

LOCALITY
SANDPOINT

SCALE
1:200000

DATE OF SURVEY
JUNE, 1948

VESSEL
SHORE PARTY

CHIEF OF PARTY
E. R. McCARTHY

SURVEYED BY
WILLIAM F. DEANE

INKED BY
WILLIAM F. DEANE AND A.C. SMITH

HEIGHTS IN FEET ABOVE WHW OR MWLL
☐ TO GROUND ☐ TO TOPS OF TREES

CONTOUR
APPROXIMATE CONTOUR
FORM LINE INTERVAL
FEET

PROJECT NUMBER
CS-331

REMARKS

*MWLL - Mean winter lake level is 2048.15 ft. above sea-level-datum.

Field inspection of aerial photographs was also made in this area Ph 15 (47)
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET FIELD NO. G-47

PEND OREILLE LAKE, IDAHO

PROJECT CS-331  1948  E. R. McCARthy, CHIEF OF PARTY

1. INSTRUCTIONS - This survey was executed in compliance with the Director's Instructions dated 2 June 1947 and Supplemental Instructions dated 18 June 1947.

2. SCOPE - Lat. 48° 13.8' to 48° 18.1'
   Long. 116° 31.2' to 116° 35.6'

   There was no shoreline surveyed but the characteristics were shown on aerial photographs.

3. CONTROL - The control was based on second-order triangulation accomplished by this party in 1947 and 1948.

4. METHODS - Standard planitable procedures were used throughout but these were supplemented by sextant fixes during the peak of the flood that inundated most of the control stations.

5. GENERAL - Since the types of shoreline have been indicated on aerial photographs there is no need for terrain description. The area between triangulation station TENAL and the town of Sandpoint is foul with drifting snags. All of the old, unused piling in this area has been removed or is in the process of removal. Notes on aerial photographs show the extent of the removal. Piling not visible on aerial photographs or driven after the photographs were taken were located by the topographer and hydrographer.

6. LANDMARKS - Landmarks for charts are submitted on Form 567.

7. GEOGRAPHIC NAMES - Recommendations for geographic names will be submitted in a separate report. Because of conflicting nomenclature all names on this sheet have been noted in pencil. A plan of Pend Oreille Lake by the U. S. Geological Survey is submitted with this survey to facilitate the naming of drainage systems.
8. STATISTICS -

*Graphic control in statute miles............. 12.1*
*Area in square statute miles............... 1.2*
*Number of marked topographic stations..... 0*
*Number of unmarked topographic stations... 83*

Respectfully submitted,

William F. Deane
Lt. Comdr., USC&GS

Approved and forwarded:

E. R. McCarthy
Lt. Comdr., USC&GS
Chief of Party
Photogrammetric Shoreline Compilation T-7062
(Graphic Control Survey)

The detail shown in green on this graphic control survey was obtained from single-lens photographs (ratio prints) which were flown by the U. S. Army Air Force in August, 1944, and field inspected in June, 1946, by Lt. Comdr. E. R. McCarthy.

A projector was used to transfer the detail from the ratio prints, and no difficulty was found in holding to three or more control points.

This survey adequately portrays the foreshore of the lake. Along the north and west sides of the lake most of the foreshore is flat and subject to flooding. This is especially true of the peninsula southeast of the town of Sandpoint. In these areas, the offshore limits of vegetation are irregular and indefinite, and were shown as indefinite offshore limits of low grassy areas subject to flooding. In other areas steep or moderate slopes (some are rocky) prevail. Sand and/or shingle are found along the immediate shoreline.

Cultural features along the waterfront and just inshore have been noted. Since no field inspection was made of the inshore area, only those features were shown which could be seen and interpreted on the photographs in the office; this included, also, the approximate limits of shoal areas. A USGS plan of the lake, Sheet B, was used to facilitate the interpretation of inland features and consulted for place names. The numerous piles found offshore have been indicated; they were field inspected on the photographs.

The photographs and their respective control stations used to control the transfer of detail to the graphic control survey are listed as follows:

A. Along the north and west side of the lake
   Photograph 23-201
   Dover, 1948
   Bon (Topo Sta.)
   S. S. Cemetery, 1948
   Photograph 23-39
   S. S. Cemetery, 1948
   Mid (Topo Sta.)
   Vic (Topo Sta.)
   SNO (Topo Sta.)
   Stack, MSP Co., 1947
   TOWER, COAL DOCK, N. P. KY., 1947
Photograph 23-03
TOWER, COAL DOCK, N. P. RY., 1947
SNO (Topo Sta.)
EUS (Topo Sta.)
BUT (Topo Sta.)

B. Along the south and east side of the Lake
Photograph 23-200
SPRING, 1947
ART (Topo Sta.)
CUE (Topo Sta.)
FAY (Topo Sta.)
BUS (Topo Sta.)
DRAWBRIDGE, N. P. RY.CO., 1947

Respectfully submitted,
Charles Hanavich

Approved:

L. C. Lande
DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-7062
FIELD NO. G-47

Idaho, Pend Oreille Lake, Sandpoint
Surveyed in June 1948
Instructions dated June 2, 1947
Scale 1:20,000

Plane Table Survey
Aluminum Mounted

Chief of Party - E. R. McCarthy
Surveyed by - W. F. Deane
Inked by - W. F. Deane and A. C. Smith
Reviewed by - I. M. Zeskind, 22 November 1950
Inspected by - R. H. Carstens

1. The control for this survey originates with triangulation of 1947.

2. The shoreline was compiled in the Washington Office from air photographs which were field inspected in 1947.

3. The present survey makes adequate junctions with T-7061b (1948) on the east and extends to the limits of the project on the west.

4. No prior topographic surveys of the area had been made by this Bureau. Several sections of shoreline on the present survey conflict with the soundings on contemporary hydrographic survey H-7601 (1948) and have been revised on the latter survey.

5. The shoreline shown on Chart 6170 (Latest print date 9/25/50) originates with the present survey supplemented by shoreline changes shown on H-7601.

6. No observations were made for magnetic declination.
<table>
<thead>
<tr>
<th>Name on Survey</th>
<th>On Chart No.</th>
<th>On previous survey</th>
<th>On U. S. quadrangle Maps</th>
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