

7061a&b

Diag. Cht. No. 6157 (Insert)

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. E-47 & F-47 Office No. T-7061 a & b

LOCALITY

State Idaho

General locality Pend Oreille Lake

Locality Contest Pt. to Camp Bay

194 8

CHIEF OF PARTY

E.R. McCarthy

LIBRARY & ARCHIVES

DATE 13 SEPT. 1948

B-1870-1 (1)

7061a&b

FORM 537a  
(9-24-47)

DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

REGISTER NO. T - **7061 and 7062**

TOPOGRAPHIC TITLE SHEET

FIELD NO. **E 47 and F 47**

Each Planetable 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**

LOCALITY

*Contest Pt. to Camp Bay*  
**NORTHERN SECTION OF LAKE**

SCALE

**1:20000**

DATE OF SURVEY

**APRIL, MAY, JUNE**, 19 **48**

VESSEL

**SHORE PARTY**

CHIEF OF PARTY

**E. R. MCCARTHY**

SURVEYED BY

**WILLIAM F. DEANE**

INKED BY

**WILLIAM F. DEANE, J. M. KRIETE, A. C. SMITH**

HEIGHTS IN FEET ABOVE MHW 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 of this area. Ph 15(47)**

DESCRIPTIVE REPORT

to accompany

T2061 a

TOPOGRAPHIC SHEETS REG. NOS. T-7061 AND T-7062PEND OREILLE LAKE, IDAHOPROJECT CS-3311948 E. R. MCCARTHY, CHIEF OF PARTY

1. INSTRUCTIONS - These surveys were executed in compliance with the Director's Instructions dated 2 June 1947 and Supplemental Instructions dated 18 June 1947.

2. SCOPE - Sheet T-7061....Lat.  $48^{\circ} 08.9'$  to  $48^{\circ} 17.0'$   
Long.  $116^{\circ} 14.8'$  to  $116^{\circ} 23.0'$

Sheet T-7062....Lat.  $48^{\circ} 14.0'$  to  $48^{\circ} 19.2'$   
Long.  $116^{\circ} 21.0'$  to  $116^{\circ} 31.7'$

There was no shoreline surveyed except for a new dredged basin near triangulation station TREESTLE. Shoreline characteristics are noted on aerial photographs.

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

4. METHODS - Standard planetable 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 west of triangulation station TENAI is foul with drifting snags brought in by the flood. 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 these sheets have been noted in pencil. A plan of Pend Oreille Lake by the U. S. Geological Survey is submitted with the surveys in order to facilitate the delineation and determination of names of drainage systems.

## 8. STATISTICS -

	T-7061	T-7062
Graphic control in statute miles.....	26.8	22.7
Area in square statute miles.....	2.7	2.3
Number of marked topographic stations.....	7	1
Number of unmarked topographic stations.....	139	136

Respectfully submitted:

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

Approved and forwarded:

*E. R. McCarthy*

E. R. McCarthy  
Lt. Comdr., USC&GS  
Chief of Party



Photogrammetric Shoreline Compilation T-7061a and T-7061b  
(Graphic Control Survey)

The detail indicated in green was added to these graphic control surveys from single-lens photographs (ratio prints) which were flown by the U. S. Army Air Force in August, 1944, and field inspected in April, May, and June, 1947, by Lt. Comdr. E. R. McCarthy.

A projector was used to transfer the detail from the ratio prints. No difficulty was experienced in holding to three or more control points except in a few cases such as: (1) Difficulty in holding three available control points that were distributed too far apart; this trouble was resolved by noting the location of other topographic stations which had not been identified on the photographs by the field inspection party. (2) Where three or more control points could not be held to rigidly without shading some of the points. Chiefly, this was due to the differences in elevation at the various stations. (3) The established position of GEL (Topo Sta) was found not to agree with the point identified on the field photograph. GEL was identified as a substitute point for triangulation station TRESTLE, 1947. And the pricking card describes the substitute station as "-- the end of old piling and float" and further states that "It was located by topography from station TRESTLE". However, the shoreline and piling in this area were re-located in the field by topographic methods on the graphic control survey because of changes in the shoreline and in the new location of the piling. In view of this, the point identified on the field photograph was that of the old piling structure and not of the new one. (4) Triangulation station SHEEPHERDER, 1947, could not be held to; it was displaced about 10-15 meters. This station is located on a steep rock bluff and was probably misidentified because of the indefinite detail around the station site. (5) The established position of ZOT (Topo Sta - a bldg.) is not in agreement with the point identified on the field photograph. Unquestionably, the point was misidentified; the error in position is about 180 meters.

It is considered that this survey adequately portrays the shoreline and the adjacent features of Pend Oreille Lake. In most areas the foreshore consists of steep and rocky slopes with sand and/or shingle along the immediate shore or bank. Some rock outcrops and reefs were noted. Where the foreshore was flat (including the river flats) and subject to flooding, the off-shore limits of vegetation are irregular and indefinite; these areas were delineated as indefinite offshore limits of low grassy areas subject to flooding. The greater part of the area is wooded; it is cut-up by ravines and canyons, and has a well-defined drainage pattern.

Cultural features along the waterfront and just in-shore have been noted. Since no field inspection was made of any inshore area, only those features were shown which could be seen and interpreted on the photographs in the office; this includes, also, the approximate limits of shoal areas. USGS plans of the lake, Sheets B, C, and E, were used to facilitate the interpretation of inland features and consulted for place names.

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

A. Along the south and west side of the Lake

Photograph 23-38

DRAWBRIDGE, N. P. RY., CO., 1947

CONTEST, 1947

S.S. BROTEN, 1947

Photograph 23-37

Contest, 1947

EON (Topo Sta)

SS BROTEN, 1947

SS NEWMAN, 1947

NIT (Topo Sta)

BOTTLE, 1947

Photograph 23-197

NIT (Topo Sta)

SS BOTTLE, 1947

MAN (Topo Sta)

SAL (Topo Sta)

SS ANDERSON, 1947

WEB (Topo Sta)

Photograph 23-171

WEB (Topo Sta)

BEAVER, 1947

NAY (Topo Sta)

JHR (Topo Sta)

CED (Topo Sta)

DAY (Topo Sta)

B. Along the north and east side of the Lake

Photograph 23-03

EUS (Topo Sta.)

But (Topo Sta.)

SS TENAI, 1947

WEN (Topo Sta)

Photograph 23-04

EUS (Topo Sta)

SS TENAI, 1947

WEN (Topo Sta)

Photograph 23-05

WEN (Topo Sta)  
HOR (Topo Sta)  
DAR (Topo Sta)

Photograph 23-36

WEN (Topo Sta)  
HOR (Topo Sta)  
DAR (Topo Sta)  
YET (Topo Sta)

Photograph 23-35

HOR (Topo Sta)  
DAR (Topo Sta)  
YET (Topo Sta)  
FEZ (Topo Sta)

Photograph 23-34

FEZ (Topo Sta)  
ROAD (Topo Sta)  
SS USGS BM-08, 1936

Photograph 23-195

SS USGS BM-08, 1936  
IRT (Topo Sta)  
HER (Topo Sta)  
WEN (Topo Sta)  
SS WARREN, 1947  
SS PEARL, 1947

Photograph 23-173

IRT (Topo Sta)  
WEN (Topo Sta)  
HOD (Topo Sta)  
MIL (Topo Sta)  
NEW (Topo Sta)

Photograph 23-155

JOB (Topo Sta)  
CLARK, 1947  
ELF (Topo Sta)  
SIR (Topo Sta)  
NEW (Topo Sta)

APPROVED

*L. E. Lande*  
L. E. Lande

Respectfully submitted  
Charles Hanavich  
*Charles Hanavich*

# GEOGRAPHIC NAMES

Survey No. T-7067

Name on Survey	On Chart No.		On previous survey No.		On U. S. quadrangle Maps		From local information		On local Maps		P. O. Guide or Map		Rand McNally Atlas		U. S. Light List	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
<u>Idaho</u>															USGB	1
<u>Pend Oreille Lake</u>																2
																3
<u>Anderson Pt.</u>																4
<u>Sunrise Bay</u>																5
<u>Martin Bay</u>																6
<u>Glenqary</u>																7
<u>Picard Pt.</u>																8
<u>Elliot Bay</u>																9
<u>Camp Bay</u>																10
<u>White Rock</u>																11
<u>Hope</u>																12
<u>East Hope</u>																13
<u>Ellisport Bay</u>																14
<u>Hope Pt.</u>																15
<u>Warren I.</u>																16
<u>Cottage I.</u>																17
<u>Pearl I.</u>																18
<u>Owens Bay</u>																19
<u>Memaloose I.</u>																20
<u>Thompson Pt.</u>																21
<u>Sheepherder Pt.</u>																22
<u>Clark Fork</u>															USGB	23
<u>Clark Fork Flats</u>																24
<u>Kootenai</u>																25
<u>Kootenai Pt.</u>																26
																27



DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-7061a & b

E-47 and

FIELD NO. F-47

Idaho, Pend Oreille Lake, Contest Point to Camp Bay  
Surveyed in April to June, 1947 Scale 1:20,000  
Instructions dated June 2, 1947

Plane Table Survey

Aluminum Mounted

Chief of Party - E. R. McCarthy  
Surveyed by - W. F. Deane  
Inked by - W. F. Deane, J. M. Kriete and A. C. Smith  
Reviewed by - I. M. Zeskind, 24 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-7059b (1947-48) on the south and with T-7062 (1948) 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.

# GEOGRAPHIC NAMES

Survey No. T-7061

(2)

GEOGRAPHIC NAMES										
Survey No. 7-7061										
Name on Survey										
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
A	B	C	D	E	F	G	H	K		
<u>Oden</u>										1
<u>Oden Bay</u>										2
<u>Fisherman I</u>										3
<u>Sunnyside</u>										4
<u>Pack River Flats</u>										5
<u>Bottle Pt.</u>										6
<u>Bottle Bay</u>										7
<u>Sourdough Pt.</u>										8
<u>Haley Bay</u>										9
<u>Contest Pt</u>										10
<u>Newman</u>										11
<u>Trestle Creek</u>										12
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Names underlined in red are approved

11-25-50 L. Hack