

7059a&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. C-47 & D-47 Office No. T-7059a & b

LOCALITY

State IDAHO

General locality PEND OREILLE LAKE

Locality CEDAR CR. TO CAMP BAY

194 7-'48

CHIEF OF PARTY

E.R. McCarthy

LIBRARY & ARCHIVES

DATE May 24, 1948

B-1870-1 (1)

7059a&b

FORM 537a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T - 7059a and 7060
T - 7059b

TOPOGRAPHIC TITLE SHEET

FIELD NO.

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

Cedar Cr. to Camp Bay
~~CENTRAL SECTION OF LAKE~~

SCALE

1:20 000

DATE OF SURVEY

Oct., Nov. 1947 April, 1948

VESSEL

Shore Party

CHIEF OF PARTY

E. R. MCCARTHY

SURVEYED BY

WILLIAM F. DEANE AND WILLIAM E. RANDALL

INKED BY

WILLIAM F. DEANE AND V. E. SCOTT

HEIGHTS IN FEET ABOVE, ~~MHW OR~~

(MWLL*)

☒ TO GROUND

☐ TO TOPS OF TREES

A LAKE LEVEL OF 2048.2 FEET ABOVE SEA LEVEL DATUM

CONTOUR

APPROXIMATE CONTOUR

FORM LINE INTERVAL _____ FEET

PROJECT NUMBER

CS-331

REMARKS

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

Field inspection of aerial photographs was also made of this area. Ph 15(47)

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEETS REG. NOS. T-7059^{59b} AND T-7060

PEND OREILLE LAKE, IDAHO

PROJECT GS-331

1947 AND 1948 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-7059^{59b}...Lat. $48^{\circ} 00.7'$ to $48^{\circ} 08.9'$
Long. $116^{\circ} 24.0'$ to $116^{\circ} 33.4'$

Sheet T-7060^{59b}...Lat. $48^{\circ} 08.9'$ to $48^{\circ} 12.2'$
Long. $116^{\circ} 15.4'$ to $116^{\circ} 27.8'$

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.

4. METHODS - Standard planetable procedures were used throughout and all topographic stations were located by intersection.

5. GENERAL - Since the types of shoreline have been indicated on aerial photographs there is no need for further description.

6. LANDMARKS - There are no landmarks worthy of note on these sheets.

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. Any names not yet investigated will be subject to later revision or submission. A layout showing drainage names is submitted with the sheets.

Photogrammetric Shoreline Compilation T-7059^a and T-7060^{59b}
(Graphic Control Board)

The detail shown in green has been added to these graphic control boards from single lens photographs which were flown by the Air Force in August 1944 and field inspected in September, October, and November 1947 by Lt. Comdr. E. R. McCarthy, Chief of Party.

One radial plot was laid in the vicinity of Garfield Bay on T-7059^b between triangulation station GARFIELD, 1947 and MIDAS, 1947. Detail in this area is shown in pencil pending further investigation of the planetable ~~radial line plot~~ ^{traverse}. Shoreline as determined from the radial line plot between these two stations should be verified in the field before inking.

Photographs numbers 21-193, 23-158, and 23-159 were used in the radial plot, and points field inspected as control, namely Sub Sta GARFIELD, 1947, MIDAS, 1947, GROUSE, 1947 and topographic stations GAME and ACHE, and hydrographic stations PIN and CED were held satisfactorily. Marked topographic stations TENT and triangulation Sub Sta CAMP, 1947 were not held.

See attached
Supp. Report

The shoreline detail from triangulation Sub Sta MINERAL, 1947 to Sub Sta CAMP, 1947 is also shown in pencil pending further investigation of the planetable traverse positions between the stations. The Sub Sta CAMP, 1947 could not be held satisfactorily although CED held close by. It is perhaps significant that a position for the Sub Sta CAMP, 1947 falls on azimuth and is 50 meters short of the computed position. This would suggest an error in chaining perhaps, and is the only argument for Sub Sta CAMP, 1947 being in question. It is also significant that such hydrographic stations as ZUP, TAN, DAY, and ZOR, which were not field inspected, do fall on likely signal sites and/or points of land that fit the photographs. It seems that if the traverse were in error these points would not at all fit the conformation of the shoreline. These features should be investigated before the detail is inked.

The projector was used to transfer detail from the photographs and no difficulty in holding three or more control points was experienced except as mentioned above. No plot was made for the rest of T-7059^a and T-7060^b inasmuch as all stations except NIG and RIM ^{could} be held satisfactorily in the projector. When there was any doubt as to accuracy of position the radial line plot was used as in the two cases mentioned.

Photograph numbers 45v105 and 21-15 were used between CEDAR, 1947 and ETHEL, 1947; No. 21-29 was used between ETHEL, 1947 and WHISKEY, 1947 and No. 21-156 between WHISKEY, 1947 and GRANITE, 1947.

Two features offshore at Granite Landing which were used as hydrographic stations in the graphic control work, namely HEM and ION, were not field inspected as to their identity. Station ION is visible on the photograph 21-156 and appears to be a crib or piling structure used in connection with the boat house nearby. Station HEM at the mouth of Granite Creek is also visible on the photographs and appears to be a similar structure. Two other structures off the end of the two boathouses between the stations mentioned are also visible. Field inspection does not indicate what they are.

Photograph 21-166 was used between SCHAFER, 1947 and GRANITE 1947; No. 45V172 and 21-16 between SALEE, 1947, topographic station PEAK, and SISTERS, 1947; No. 21-158 between SISTERS, 1947 and EVANS 1947; No. 21-164, between EVANS, 1947, topographic stations LAND, MAIDEN, 1947 and TALACHE, 1947; No. 21-193 between TALACHE, 1947, topographic stations PAW and ACHE, station GROUSE, 1947, and GARFIELD, 1947.

Photograph No. 23-159 was used between GARFIELD, 1947, topographic station TENT, and MIDAS, 1947; No. 23-158 between MIDAS, 1947, topographic stations PIN and GAME, MINERAL, 1947, topographic stations CED, and CAMP, 1947.

Photograph No. 21-167 was used between SCHAFER, 1947 and topographic stations WIND, DIA, and GEM; No. 21-168 between GEM and DEADMAN, 1947; No. 21-169 and No. 21-190 between DEADMAN, 1947, topographic station ARCH, and station CLARK, 1947. Due to doubtful photographic identification of topographic stations NIG and RIM, these two stations were not held.

This survey adequately portrays the shoreline and adjacent features of Pend Oreille Lake except in the instances mentioned in this report. The shoreline is of rather smooth conformity with many sand beaches and some rock outcropping but is characterized by steeply sloping mountain sides where the symbol indicates. Most of the area is forested except where barren slides make vegetation impossible.

Compiled by

Marion Stephens
Marion Stephens

Approved by

G. B. Willey
G. B. Willey

Reviewed and Inked by

Roscoe J. French
Roscoe J. French

Dated June 1948

Supplemental Report ~~7059b~~
(Graphic Control Survey T-~~7060~~)

With reference to paragraph 2, of the report on the photogrammetric shoreline compilation, the shoreline as determined from the radial line plot between triangulation stations GARFIELD, 1947, and MIDAS, 1947, was found to be satisfactory when it was verified under the projector by holding to the re-adjusted planetable positions. The ~~original~~ planetable positions were re-adjusted under the direction of Lt. Comdr. E. R. McCarthy, and are indicated in blue ~~(pencil)~~ circles on the graphic control survey and in black ink on the transparency which is attached to the back of this report. The shoreline, including the adjacent detail, has been inked in green.

In the vicinity of CAMP, 1947, - refer to the fourth paragraph of the same report - the shoreline and the adjacent detail has been inked in green on the basis that it seems to be evident that an error was made in the field in establishing the substitute station for CAMP, 1947, since other control points common to graphic control surveys T-~~7060~~ and T-7059~~a~~ would hold in the vicinity; whereas the substitute station in question would not hold in either survey.

Respectfully submitted:

Charles Hanavich
Charles Hanavich

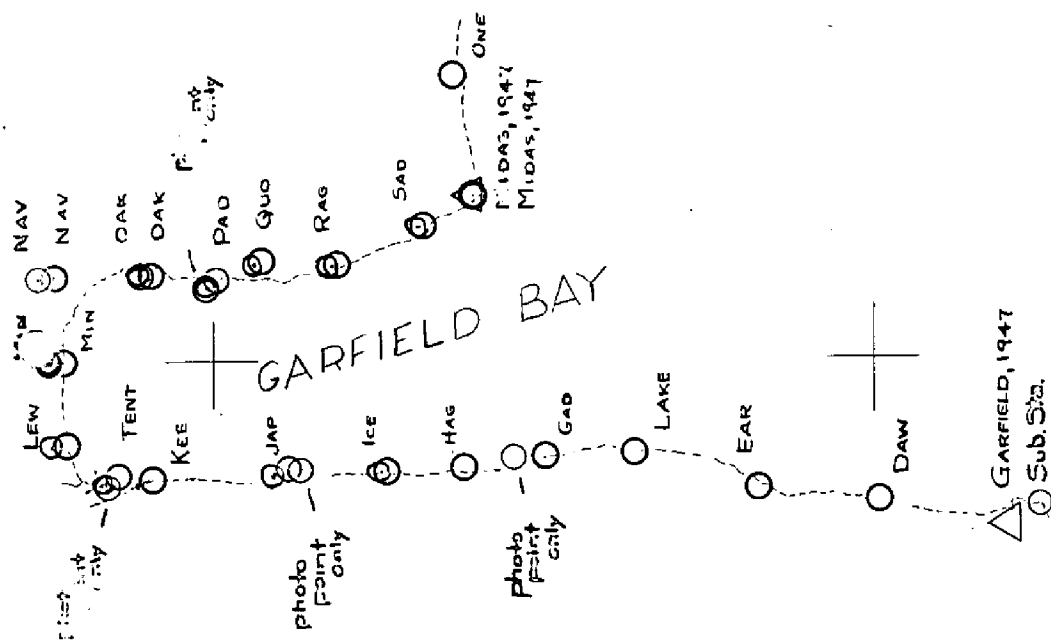
Approved by:

L. C. Lande
L. C. Lande

SCALE FACTOR 1.000

[illegible]

M-2388-12



7059b
T-7060 1:20,000

PEND OREILLE LAKE

October-Nov. 1947

Shoreline - photo plot

- Photo point only (pass point with no planeable position) Razial Plot
- Planeable only
- ~~NA~~ planeable
- MIN Same sta. but T-7060 planeable (1947)

GEOGRAPHIC NAMES

Survey No.

T-7060
7059b

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

Idaho

USGB

1

Pend Oreille Lake

2

Kilroy Bay

3

Windy Point

4

Indian Point

5

Green Monarch

6

Deadman Point

7

Shepherd Point

8

Memaloose Island

9

Camp Bay

10

Mineral Point

11

Garfield Bay

12

Midas

13

Grouse Mountain Point

14

↑ Grouse Point H7600-jw

15

Names underlined in red are
approved. 7/14/58

L. Heck

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GEOGRAPHIC NAMES

Survey No.

T-7060
7059b

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	
Idaho								USGB	1
Pend Oreille Lake									2
Kilroy Bay									3
Windy Point									4
Indian Point									5
Green Monarch									6
Deadman Point									7
Shepherd Point									8
Memaloose Island									9
Camp Bay									10
Mineral Point									11
Garfield Bay									12
Midas									13
Grouse Mountain Point									14
↑ Grouse Point H7600-jw									15
									16
									17
									18
									19
									20
									21
									22
									23
									24
									25
									26
									27

Names underlined in red are
approved. 7/14/58

L. Heck

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-7059a & b

FIELD NO. C-47 & D-47

Idaho, Pend Oreille Lake, Cedar Creek to Camp Bay
Surveyed in Oct. 1947 to Apr., 1948 Scale 1:20,000
Project No. CS-331

Plane Table Survey

Aluminum Mounted

Chief of Party - E. R. McCarthy
Surveyed by - W. F. Deane and W. E. Randall
Inked by - W. F. Deane and V. E. Scott
Reviewed by - G. F. Jordan, March 8, 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 of 1944 which were field-inspected during the present survey. The compilation and revision in Garfield Bay are discussed in the attached reports on "Photogrammetric Shoreline Compilation".
3. Adequate junctions were effected with T-7058b (1947) on the south and with T-7061a (1948) on the north.
4. No prior topographic surveys of the area were executed by this Bureau. A comparison with contemporary hydrographic survey H-7600 (1947-48) reveals no conflicts. A small section of shoreline in the vicinity of lat. $48^{\circ} 10.6'$, long. $116^{\circ} 24.7'$ on T-7059b conflicts with soundings on H-7601 (1948) and has been revised on the latter survey.
5. No charts of the area have been published by this Bureau. Chart compilation is in progress at the present time. (6170)
6. No observations were made for magnetic declination.