

(J5) SECTION CORNER COMMON TO SECTIONS 7, 8, 17, AND 18

ACCEPTED CORNER.

05/08/2017: FOUND A 1/2" REBAR WITH CAP.

G.L.O. SURVEYOR, CHARLES E. SEARS, UNDER CONTRACT DATED DECEMBER, 23, 1882, SET A POST.

B.J. SHINCKE, PLS 13518, SET A 1/2" REBAR WITH CAP, AS PER RECORD OF SURVEY FILED IN BOOK 2 OF SURVEYS AT PAGES 271 AND 272, SKAMANIA COUNTY RECORDS.

H. THOMAS LAIRD JR., PLS 21490, FOUND A 1/2" REBAR WITH CAP, AS PER RECORD OF SURVEY FILED IN BOOK 3 OF SURVEYS AT PAGE 2, SKAMANIA COUNTY RECORDS

H. THOMAS LAIRD JR., PLS 21490, FOUND A 1/2" REBAR WITH CAP, AS PER RECORD OF SURVEY FILED IN BOOK 3 OF SURVEYS AT PAGES 68-72, SKAMANIA COUNTY RECORDS

ROY O. GAYLORD, PLS 18731, FOUND A 1/2" REBAR WITH CAP, AS PER RECORD OF SURVEY FILED IN BOOK 3 OF SURVEYS AT PAGE 120, SKAMANIA COUNTY RECORDS.

05/08/2017: REPLACED SAID 1/2" REBAR WITH A PROPERLY IDENTIFIED, STANDARD D.N.R. MONUMENT.

> THE FOLLOWING REFERENCES WERE NOTED: -A 16" FIR BEARS N65"E, 4.65'. NAIL SET LEFT SIDE CENTER -AN 18" FIR SNAG BEARS \$50"W. 14.97".

MEASURED TO SIDE CENTER.

-A 20" HEMLOCK SNAG BEARS N55*W, 19.59'. MEASURED TO SIDE CENTER. -AN ORANGE CARSONITE WITNESS POST BEARS

LOOSE LEAF FIELD NOTES ON FILE AT THE D.N.R., CHEHALIS WORK CENTER.

EAST, 1'.

SKAMANÍA COUNTY DEPUTY AUDITOR

(L5) 1/4 SECTION CORNER COMMON TO SECTIONS 17 AND 18

ACCEPTED CORNER.

05/09/2017: FOUND A 1/2" REBAR WITH CAP.

HISTORY:

G.L.O. SURVEYOR, CHARLES E. SEARS, UNDER CONTRACT DATED 1882 DECEMBER, 23, 1882, SET A POST.

A BONNEVILLE POWER MAP (NORTH BONNEVILLE-VANCOUVER LINE) SHEET 8 OF 35, ON FILE AT THE PUBLIC LAND SURVEY OFFICE IN OLYMPIA, NOTES A CALCULATED POSITION FOR THIS CORNER.

A BONNEVILLE POWER MAP (NORTH BONNEVILLE-VANCOUVER LINE) SHEET 12, ON FILE AT THE PUBLIC LAND SURVEY OFFICE IN OLYMPIA, NOTES A CALCULATED POSITION FOR THIS CORNER. B.J. SHINCKE, PLS 13518, SET A 1/2" REBAR WITH CAP, AS PER RECORD OF SURVEY FILED IN BOOK 2 OF SURVEYS AT PAGES 271 AND 272, SKAMANIA COUNTY RECORDS.

05/09/2017: REPLACED SAID 1/2" REBAR WITH A PROPERLY IDENTIFIED. STANDARD D.N.R. MONUMENT.

> THE FOLLOWING REFERENCES WERE NOTED: -A 9" ALDER BEARS N60°E, 5.76'. NAIL SET RIGHT SIDE CENTER. -A 12" ALDER BEARS S88'W. 21.64'. NAIL SET RIGHT SIDE CENTER. -AN ORANGE CARSONITE WITNESS POST BEARS

WEST, 1'. LOOSE LEAF FIELD NOTES ON FILE AT THE D.N.R., CHEHALIS WORK CENTER.

(L9) 1/4 SECTION CORNER COMMON TO SECTIONS 16 AND 17 ACCEPTED CORNER.

05/08/2017: FOUND A 5/8" REBAR WITH CAP.

HISTORY:

G.L.O. SURVEYOR, CHARLES E. SEARS, UNDER CONTRACT DATED DECEMBER, 23, 1882, SET A POST.

A BONNEVILLE POWER MAP (NORTH BONNEVILLE-VANCOUVER LINE) SHEET 7 OF 35, ON FILE AT THE PUBLIC LAND SURVEY OFFICE IN OLYMPIA, NOTES A CALCULATED POSITION FOR THIS CORNER.

TWO BONNEVILLE POWER MAPS (NORTH BONNEVILLE-VANCOUVER 1942 LINE) SHEETS 11 AND 12. ON FILE AT THE PUBLIC LAND SURVEY OFFICE IN OLYMPIA, NOTE CALCULATED POSITIONS FOR THIS WILLIAM F. HAGEDORN, PLS 9579, SET A 5/8" IRON ROD, AS PER

RECORD OF SURVEY FILED IN BOOK 1 OF SURVEYS AT PAGE 16, SKAMANIA COUNTY RECORDS. GEORGE E. FORD, PLS 22330, FOUND A 5/8" IRON ROD WITH

CAP. AS PER RECORD OF SURVEY FILED IN BOOK 3 OF SURVEYS AT PAGE 409, SKAMANIA COUNTY RECORDS.

05/09/2017: REPLACED THE CAP ON SAID 5/8" REBAR WITH A PROPERLY IDENTIFIED, STANDARD D.N.R. ALUMINUM CAP.

> THE FOLLOWING REFERENCES WERE NOTED: -A 6" FIR BEARS N28°E, 12.6'. MEASURED TO SPIKE IN FACE. -A 60" HEMLOCK STUMP BEARS S34"E, 10.05'.

MEASURED SIDE CENTER. -A 22" HEMLOCK BEARS N48W, 12.52'. NAIL SET LEFT SIDE CENTER.

-A 22" FIR BEARS N40"W, 5.10'. MEASURED TO SPIKE IN FACE. -AN ORANGE CARSONITE WITNESS POST BEARS NORTH, 1'

LOOSE LEAF FIELD NOTES ON FILE AT THE D.N.R., CHEHALIS WORK CENTER.

SURVEY NARRATIVE

CONTROL POINTS

• THIS SURVEY WAS PERFORMED BY THE DEPARTMENT OF NATURAL RESOURCES (DNR), IN ACCORDANCE WITH THE 2009 U.S. MANUAL OF SURVEYING INSTRUCTION, TO DELINEATE CERTAIN BOUNDARIES OF STATE TRUST LANDS IN SUPPORT OF D.N.R. MANAGEMENT NEEDS, IN SECTION 17, TOWNSHIP 2 NORTH, RANGE 6 EAST, WILLAMETTE MERIDIAN. • CONTROL POINTS 1 AND 2 WERE ESTABLISHED FROM TIES TO THE NATIONAL GEODETIC SURVEY (NGS) CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). • CONTROL POINTS 3 AND 4 WERE ESTABLISHED UTILIZING REAL TIME

KINEMATIC (RTK) STYLE OF SURVEY METHOD CALIBRATED TO THE INITIAL

DESCRIPTION OF STATE BOUNDARIES SURVEYED

THE WEST AND SOUTH BOUNDARIES OF THE NORTH HALF OF SECTION 17, TOWNSHIP 2 NORTH, RANGE 6 EAST, WILLAMETTE MERIDIAN, LOCATED IN SKAMANIA COUNTY, WASHINGTON.

EQUIPMENT USED, METHOD OF SURVEY, AND ACCURACY:

• THIS SURVEY WAS PERFORMED WITH THE USE OF TWO LEICA GS14 GLOBAL POSITIONING SYSTEM (GPS) RECEIVERS. THE INITIAL CONTROL POINTS (1 AND 2) WERE ESTABLISHED FROM TIES TO THE NATIONAL GEODETIC SURVEY (NGS) CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). CONTROL POINTS (1 AND 2) WERE OBSERVED BY A MINIMUM OF TWO SESSIONS SEPARATED BY A MINIMUM OF ONE HOUR. THE RAW GPS DATA WAS SUBMITTED TO THE NGS ONLINE POSITIONING USER SERVICE (OPUS) WEBSITE FOR SOLUTIONS AT LEAST 24 HOURS AFTER FIELD OBSERVATIONS WERE MADE. THE RETURNED SOLUTIONS WERE THEN AVERAGED.

• ADDITIONAL CONTROL POINTS (3 AND 4) WERE MADE WITH REAL TIME KINEMATIC (RTK) STYLE OF SURVEY METHOD CALIBRATED TO THE INITIAL CONTROL POINTS. CONTROL POINTS AND CORNERS TIED WITH RTK WERE OBSERVED BY MEASURING TO THE POINT, THEN RE-INITIALIZING SIGNAL LOCK OF THE RTK RECEIVER TO ESTABLISH THREE OR MORE INDEPENDENT MEASUREMENTS. ADDITIONAL CORNER TIES, SETS, AND GROUND TRAVERSES WERE PERFORMED WITH A LEICA TS12 DIGITAL TOTAL STATION. CORNER MONUMENTS TIED WERE CHECKED WITH DOUBLE MEASURES OF BOTH DIRECTION AND DISTANCE. THIS METHOD MEETS THE RELATIVE ACCURACY STANDARDS AS SPECIFIED IN WAC 332-130-080/090.

• TIES TO CORNER REFERENCES WERE MADE WITH A HAND COMPASS AND STEEL TAPE. PLASTIC REFERENCE TAGS WERE SET IN A BLAZED FACE AT CHEST HEIGHT OF REFERENCE TREES.

CONTROL SPECIFICATIONS

THE CONTROL PORTION OF THIS SURVEY IS IN COMPLIANCE WITH THE FEDERAL GEODETIC CONTROL COMMITTEES GEODETIC ACCURACY STANDARDS AND SPECIFICATIONS FOR USING GPS RELATIVE POSITIONING TECHNIQUES, VERSION 5.0, UPDATED AUGUST 1, 1989 FOR GROUP C, ORDER 1 SURVEYS.

G.L.O. HISTORY:

l: 122,511.31' :: 1,235,051.51'

CHARLES E. SEARS, UNDER CONTRACT DATED DECEMBER 23, 1882, SURVEYED THE SUBDIVISIONS OF TOWNSHIP 2 NORTH, RANGE 6 EAST, WILLAMETTE MERIDIAN.

STANDARD D.N.R. MONUMENTS USED:

5/8" DIAMETER BY 30" LONG REBARS OR 3/4" DIAMETER BY 30" LONG ALUMINUM RODS WITH STANDARD D.N.R. ALUMINUM CAPS.

STANDARD D.N.R. CAPS USED:

3-1/4" DIAMETER ALUMINUM ALLOY DISKS, STAMPED WITH THE PROPER CORNER IDENTIFICATION.

SECTION 17 T2N R6E

 $X \mid X \mid X \mid X$

AUDITOR'S INDEXING DATA

AUDITOR'S CERTIFICATE FILED FOR RECORD THIS 14th DAY OF 1000 AT 1:380 M. IN BOOK _____ OF SURVEYS AT PAGE ___ AT THE REQUEST OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. AFN# 2018000101

AUDITOR'S FILE NUMBER

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT AT THE REQUEST OF THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

JOHN MA. ZHACKELFORD, P.L.S.

IN JULY, 2017.

PLS #22349



A SURVEY IN THE NORTH 1/2 OF SECTION 17, TOWNSHIP 2 NORTH, RANGE 6 EAST, W.M.

STATE OF WASHINGTON DEPARTMENT OF NATURAL RESOURCES

LAND SURVEY SECTION-P.O. BOX 47030 OLYMPIA, WASHINGTON 98504-7030 (360)902-1206

"SLAM DUNK" SURVEY FIELD CREW: SHACKELFORD, P.L.S. EDMINSTER, P.L.S. FIELD BOOK: LOOSE LEAF 7/18/2017

1978 F.M.# OF