

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES

TOWNSHIP 29 SOUTH, RANGE 8 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Kenneth W. Saveland, Cadastral Surveyor

Under Special Instructions dated January 31, 2008,
approved January 31, 2008, which provided for the surveys included under
Group No. 2196, and Assignment Instructions dated January 31, 2008.

Survey commenced February 4, 2008

Survey completed March 26, 2008

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The following field notes are those of the dependent resurvey of a portion of the subdivisional lines in Township 29 South, Range 8 West, of the Willamette Meridian, Oregon.

The history of Federal surveys pertaining to this survey is as follows:

In 1856, Dennis Hathorn, U.S. deputy surveyor, surveyed the subdivisional lines.

In 2001, A. Bert Skeesick, Cadastral Surveyor, resurveyed a portion of the south boundary and subdivisional lines and subdivided section 32.

The history of state authority surveys pertaining to this survey is as follows:

In 1949, Arthur Boyer, Oregon Professional Engineer (PE) No. 1581, perpetuated and reestablished certain corners in an unplatted survey, with portions of his field book filed in the Douglas County Surveyors Office, C.S. File No. 40/193.

In 1976, Burton W. Holt, Oregon Professional Land Surveyor (PLS) No. 418, resurveyed a portion of the subdivisional lines, filed in the Douglas County Surveyors Office, Map File No. M61-78.

In 1980, Howard W. Johnstone, PLS No. 498, resurveyed a portion of the subdivisional lines and subdivided section 34, filed in Douglas County Surveyors Office, Map File No. M79-15.

In 1986, Ronald G. Geisler, PLS No. 1988, resurveyed a portion of the subdivisional lines and subdivided section 28, filed in the Douglas County Surveyors Office, Map File No. M102-63.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 31, 2008, for Group No. 2196, Oregon.

The survey was performed using a combination of Global Positioning System (GPS) satellite techniques and terrestrial measurements. The GPS measurements utilized dual frequency carrier phase receivers and were executed in accordance with the 'Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods', dated May of 2001, published by the U.S.D.A. Forest Service and U.S.D.I. Bureau of Land Management.

The directions of the lines refer to the true meridian as determined by GPS measurements, carried forward by sustained angulation using conventional survey techniques. Distances along

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the lines were derived through the use of electronic measuring equipment.

Static GPS measurements have been adjusted using computer software that incorporates a least squares adjustment routine. The maximum GPS Cadastral Measurement error ellipse at 95% confidence level is 0.07 feet feet based on local accuracy standards. Terrestrial distances and directions have been adjusted using computer software that incorporates a least squares adjustment routine. The unadjusted data assured a closure not exceeding 1:4000 in error. The adjusted bearings and distances are reported to the nearest second and 0.01 foot.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. The retracement data were thoroughly verified and only the corner description field notes are given herein.

New bearing trees have a 2 1/2 inch x 1/4 inch magnetic nail (Mag Nail) driven at the base on right side center, unless otherwise noted in the corner description.

The geographic position (NAD 1983 (CORS 96)) of the 1/4 section corner of sections 27 and 28, as determined by a tie from a temporary GPS control point, established utilizing dual frequency, carrier phase GPS receivers, and processed using the National Geodetic Survey's Online User Positioning Service (OPUS), is as follows:

Latitude: 43° 01' 07.18" N. Longitude: 123° 38' 31.50" W.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
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(Restoring the 1855 survey by Dennis Hathorn
and the 2001 resurvey by A. Bert Skeesick)

Beginning at the 1/4 sec. cor. of secs. 33 and 34, perpetuated by person(s) unknown, monumented with an iron pipe, 1 1/4 ins. diam., loosely set and bent, projecting 14 ins. above the ground, from which the remains of an original bearing tree

A madrone stump, 26 ins. diam., bears N. 13° E.,
5.3 ft. dist., with fragmentary scribe marks visible on
an open blaze.

At the corner point

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FEET	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, in a mound of stone, 2 1/2 ft. base. to top, with brass cap mkd.</p> <p style="text-align: center;">T 29 S R 8 W 1/4 S 33 S 34 2008</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 19 ins. diam., bears S. 1° E., 71.4 ft. dist., mkd. 1/4 S34 BT.</p> <p style="padding-left: 40px;">An oak, 9 ins. diam., bears N. 47° W., 16.0 ft. dist., mkd. 1/4 S33 BT.</p> <p>Bury the existing iron pipe, 30 ins. long, inside and deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>N. 0° 25' 40" E., bet. secs. 33 and 34, posting and blazing.</p>
1090	<p>Creek, 3 ft. wide, course S. 50° E.</p>
1313.87	<p>The N 1/16 sec. cor. of secs. 33 and 34, established by Johnstone, PLS No. 498, and is accepted as the corner, monumented with a rebar, 5/8 in. diam., firmly set, projecting 9 ins. above the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 29 S R 8 W N 1/16 33 34 1979 LS 498</p> <p>from which the remains of bearing trees mkd. by Johnstone, PLS No. 498</p> <p style="padding-left: 40px;">A fir, 13 ins. diam., bears S. 80 1/4° E., 31.7 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A sawed fir stump, 26 ins. diam., bears N. 87 1/2° W., 18.6 ft. dist., with fragmentary scribe marks visible on a partially healed blaze.</p> <p>From this corner, a point established by Holt, PLS No. 418, bears N. 1° 40' 09" E., 5.56 ft. dist., monumented with an iron pipe, 1 1/4 ins. diam., firmly set, projecting 7 ins. above the ground, with no cap, from which bearing trees by Holt</p> <p style="padding-left: 40px;">An oak, 12 ins. diam., bears N. 51 1/4° E., 24.6 ft. dist., with fragmentary scribe marks visible on a partially healed double blaze.</p>

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	<p style="text-align: center;">An oak, 9 ins. diam., bears N. 69 3/4° W., 35.7 ft. dist., with a healed blaze.</p> <p>This point was not correctly positioned and is not utilized in the course of this survey.</p> <hr style="width: 20%; margin: 10px auto;"/> <p style="text-align: center;">N. 0° 23' 06" E., beginning new measurement.</p>
990	<p>Base of rock face, approximately 20 ft. high, base bears generally E. and W.</p>
1313.82	<p>The cor. of secs. 27, 28, 33, and 34, reestablished by Boyer, PE No. 1581, perpetuated by Douglas County Surveyors Office in 1967 and 1997, utilized by Holt, PLS No. 418, subsequently utilized by Johnstone, PLS No. 498, filed in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 8 W., Point Identifier No. 400200; there is no remaining evidence of the original corner. This corner was not correctly positioned, however the corner has been utilized by private surveyors since 1949, relied upon by adjacent landowners, and is accepted as the corner, monumented with an iron post, 1 3/8 ins. diam., firmly set, projecting 7 ins. above the ground, (alongside of which is an iron pipe, 3/4 in. diam., firmly set, projecting 2 ins. above the ground, bent N., and an iron pipe, 1 in. diam., firmly set, projecting 4 ins. above the ground, bent E.) with brass cap mkd.</p> <p style="text-align: center;">DOUGLAS COUNTY SURVEYORS OFFICE T29S R8W S28 S27 S33 S34 1997</p> <p>from which the remains of bearing trees by Boyer, PE No. 1581</p> <p style="padding-left: 40px;">A fir, 36 ins. diam., bears N. 65 1/2° E., 54.2 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A roothole bears S. 59 1/2° E., 74.2 ft. dist., with an uprooted, decayed, sawed, fir stump, 50 ins. diam., lying alongside, with no marks visible.</p> <p style="padding-left: 40px;">A fir, 31 ins. diam., bears S. 22 3/4° W., 60.6 ft. dist., with a healed double blaze.</p> <p>and the remains of bearing trees mkd. by the Douglas County Surveyors Office in 1967</p> <p style="padding-left: 40px;">A fir snag, 24 ins. diam., bears S. 49 1/4° E., 9.1 ft. dist., with no marks visible.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
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<p>FREET</p>	<p>A sawed fir stump, 22 ins. diam., bears N. 68 1/2° W., 25.4 ft. dist., with fragmentary scribe marks visible on an open blaze.</p> <p>and a bearing tree mkd. by the Douglas County Surveyors Office in 1997</p> <p>A cedar, 19 ins. diam., bears S. 37 1/4° W., 28.5 ft. dist., with fragmentary scribe marks visible on a partially healed blaze.</p> <p>and new bearing trees</p> <p>A fir, 8 ins. diam., bears S. 32° E., 14.6 ft. dist., mkd. T29S R8W S34 BT.</p> <p>A fir, 12 ins. diam., bears N. 54 3/4° W., 36.5 ft. dist., mkd. T29S R28W S28 BT.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 27 and 34, perpetuated by Boyer, PE No. 1581, subsequently perpetuated by Douglas County Surveyors Office in 1967, filed in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 8 W., Point Identifier No. 440200, monumented with an iron post, 1 1/4 ins. diam., firmly set, projecting 9 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T S R W S27 1/4 ——— S34 1967</p> <p>from which the remaining original bearing tree</p> <p>A fir, 16 ins. diam., bears S. 68° E., 7.9 ft. dist., with a burned healed blaze.</p> <p>and a bearing tree mkd. by Boyer, PE No. 1581</p> <p>A cedar, 19 ins. diam., bears N. 10 1/2° W., 25.3 ft. dist., with a healed double blaze.</p> <p>Corner is located 20 ft. West of a ravine, drains S. 40° E. S. 88° 55' 55" W., bet. secs. 27 and 34, posting and blazing.</p>
<p>1170</p>	<p>Gravel road, 16 ft. wide, bears N. 52° E. and S. 40° W., in curve.</p>

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1300.72	<p>The W 1/16 sec. cor. of secs. 27 and 34, established by Holt, PLS No. 418, and is accepted as the corner, monumented with an iron pipe, 1 1/4 ins. diam., projecting 16 ins. above the ground, from which bearing trees mkd. by Holt</p> <p style="padding-left: 40px;">A fir, 11 ins. diam., bears N. 34 3/4° E., 9.7 ft. dist., with a healed double blaze.</p> <p style="padding-left: 40px;">A fir, 14 ins. diam., bears S. 68° W., 12.3 ft. dist., with a healed double blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>S 27</p> <p>W 1/16 ———</p> <p>S 34</p> <p>2008</p> </div> <p>Bury the existing iron pipe, 35 ins. long, inside and deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89° 00' 04" W., beginning new measurement.</p>
1110	<p>Creek, 1 ft. wide, course S. 45° W.</p>
1301.33	<p>The cor. of secs. 27, 28, 33, and 34, hereinbefore described.</p> <hr style="width: 60%; margin: 10px auto;"/> <p>N. 0° 25' 46" W., bet. secs. 27 and 28, posting and blazing.</p>
2643.90	<p>The 1/4 sec. cor. of secs. 27 and 28, reestablished by Boyer, PE No. 1581, at record bearing and dist. from an original line tree, perpetuated by Douglas County Surveyors Office in 1967, subsequently perpetuated by Geisler, PLS No. 1988, filed in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 8 W., Point Identifier No. 400240, and is accepted as the best remaining evidence of the original corner, monumented with an iron post, 1 1/4 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>COUNTY SURVEYORS OFFICE</p> <p>T29S R8W</p> <p>1/4 S28 S27</p> <p>1967</p> </div>

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FEET	
	<p>from which the remains of bearing trees mkd. by Boyer, PE No. 1581</p> <p>A roothole bears N. 56 3/4° E., 13.7 ft. dist., with a fallen fir snag, 24 ins. diam., lying alongside, with no marks visible.</p> <p>A fir, 22 ins. diam., bears S. 16° W., 20.8 ft. dist., with a healed blaze.</p> <p>and remains of bearing trees mkd. by Douglas County Surveyors Office</p> <p>A roothole bears N. 78 1/4° E., 16.3 ft. dist., with a fallen fir snag, 31 ins. diam., lying alongside, with no marks visible.</p> <p>A fir, 22 ins. diam., bears N. 85 1/4° W., 12.9 ft. dist., with a healed double blaze.</p> <p>and bearing tree mkd. by Geisler</p> <p>A fir, 23 ins. diam., bears S. 19° E., 7.2 ft. dist., with a healed double blaze.</p> <hr/> <p>N. 0° 06' 04" E., beginning new measurement.</p>
30.36	A sawed, decayed, fir stump, 44 ins. diam., reported to be a line tree by Boyer.
200	Spur, slopes West.
305	Ravine, drains N. 70° W.
2658.10	<p>The cor. of secs. 21, 22, 27, and 28, perpetuated by Boyer, PE No. 1581, subsequently perpetuated by James Byron, Deputy County Surveyor, in 1958, filed in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 8 W., Point Identifier No. 400300, monumented with an iron post, 1 1/4 ins. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T29S R8W S21 S22 S28 S27 1958</p> <p>from which the remains of an original bearing tree</p> <p>A roothole bears S. 71° E., 23.8 ft. dist., with a sawed and uprooted fir stump, 31 ins. diam., lying alongside, with no marks visible. (Record, S. 82° E.)</p>

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FEET	
	<p>and the remains of bearing trees by Byron, Deputy County Surveyor</p> <p>A roothole bears N. 37 3/4° E., 42.4 ft. dist., with a fallen decayed cedar, 12 ins. diam., lying alongside, with no marks visible.</p> <p>A fir, 22 ins. diam., bears S. 28 3/4° W., 7.7 ft. dist., with a healed blaze.</p> <p>A fir, 22 ins. diam., bears N. 17 3/4° W., 16.1 ft. dist., with a healed blaze.</p> <p>and new bearing trees</p> <p>A fir, 12 ins. diam., bears N. 49 1/4° E., 12.3 ft. dist., mkd. T29S R8W S22 BT.</p> <p>A fir, 18 ins. diam., bears S. 37 1/4° E., 17.4 ft. dist., mkd. T29S R8W S27 BT.</p>
	<hr/> <p>From the cor. of secs. 27, 28, 33, and 34, hereinbefore described.</p> <p>S. 89° 18' 22" W., bet. secs. 28 and 33, posting and blazing.</p>
650	<p>Gravel road, 15 ft. wide, bears N. 40° E. and S. 25° W., in curve.</p>
1322.31	<p>The E 1/16 sec. cor. of secs. 28 and 33, established by Geisler, PLS No. 1988, and is accepted as the corner, monumented with an iron post, 1 in. diam., firmly set, projecting 2 ins. above the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>S28</p> <p>E 1/16 • ———</p> <p>S33</p> <p>1986</p> <p>PLS 1988</p> </div>
	<p>from which bearing trees mkd. by Geisler, PLS No. 1988</p> <p>A cedar, 22 ins. diam., bears N. 75 1/4° E., 7.8 ft. dist., with fragmentary scribe marks visible on a partially healed double blaze.</p> <p>A fir, 33 ins. diam., bears S. 12 3/4° W., 45.4 ft. dist., with a healed blaze.</p> <hr/> <p>S. 89° 17' 31" W., beginning new measurement.</p>

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FEET	
1322.18	<p>The 1/4 sec. cor. of secs. 28 and 33, reestablished by Boyer, PE No. 1581, perpetuated by the Douglas County Surveyors Office in 1967, filed in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 8 W., Point Identifier No. 340200, and is accepted as the corner, monumented with an iron post, 1 1/4 ins. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T29S R8W S28 1/4 ——— S33 1967</p> <p>from which bearing trees by Boyer</p> <p style="padding-left: 40px;">A fir, 26 ins. diam., bears S. 8 1/2° E., 18.1 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A fir, 27 ins. diam., bears N. 34 3/4° W., 9.2 ft. dist., with a healed blaze.</p> <hr style="width: 20%; margin: 20px auto;"/> <p>S. 89° 08' 59" W., beginning new measurement.</p>
2565	Gravel road, 15 ft. wide, bears N. 55° W. and S. 55° E.
2642.48	<p>The cor. of secs. 28, 29, 32, and 33, monumented with a stainless steel post, firmly set, projecting 4 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">T 29 S R 8 W S 29 S 28 ——— ——— S 32 S 33 2001</p> <p>from which the remains of bearing trees mkd. by Johnstone, PLS No. 498, reported by Skeesick</p> <p style="padding-left: 40px;">A cedar, 18 ins. diam., bears N. 46° E., 126.6 ft. dist., with fragmentary scribe marks visible on a partially healed double blaze.</p> <p style="padding-left: 40px;">A cedar stob, 6 ins. diam., bears S. 25 1/4° E., 138.5 ft. dist., with scribe marks 33 visible on upper and B visible on lower decayed, partially healed blazes.</p> <p style="padding-left: 40px;">A fir, 17 ins. diam., bears S. 80° W., 51.8 ft. dist., with a healed blaze.</p>

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and bearing trees mkd. by Geisler, PLS No. 1988, reported by Skeesick

A fir, 24 ins. diam., bears S. 47° E., 28.5 ft. dist., with a healed blaze.

A fir, 16 ins. diam., bears N. 67° W., 23.5 ft. dist., with a healed blaze.

GENERAL DESCRIPTION

The lands embraced in the forgoing survey are located in mountainous terrain, approximately 2.0 miles southeasterly from the community of Camas Valley, Oregon.

The elevation ranges from about 1400 feet above sea level near the 1/4 section corner of sections 27 and 34 to about 2200 feet above sea level near the corner of sections 27, 28, 33, and 34.

The area is drained by Berry Creek, which flows northerly to the South Fork of the Umpqua River, Thompson Creek which flows northwesterly to the Middle Fork of the Coquille River, and Kirkendall Branch which flows westerly to the Middle Fork of the Coquille River.

Timber consists of alder, cedar, chinquapin, fir, madrone, maple, oak, and pine. Undergrowth consists of fern, Oregon grape, poison oak, salal, and vine maple.

The soil is generally composed of rocky clay, with some crumbling basalt rock slopes.

Access to the survey was made by graveled roads branching from State Highway No. 42 and Buck Springs Road.

The mean magnetic declination for the area surveyed is 16 1/4° East, as determined by the National Geophysical Data Center of the National Oceanic and Atmospheric Administration, obtained on March 1, 2008, from the world-wide web at <http://www.ngdc.noaa.gov/geomagmodels/struts/calcDeclination>.