

CHAINS

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

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF THE NORTH ONE-HALF MILE  
BETWEEN SECTIONS 27 AND 28,  
**TOWNSHIP 28 SOUTH, RANGE 4 WEST,**  
OF THE WILLAMETTE MERIDIAN,  
IN THE STATE OF OREGON.

**EXECUTED BY**

***Wayne L. Rogers, Cadastral Surveyor***

Under Special Instructions dated December 7, 1995,  
and approved December 8, 1995,  
which provided for the surveys included under Group No. 1794,  
and Assignment Instructions dated January 8, 1996.

***Survey commenced February 14, 1996***

***Survey completed February 22, 1996***

**T. 28 S., R. 4 W., Willamette Meridian, Oregon**

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The following field notes are those of the dependent resurvey of the north one-half mile between sections 27 and 28, township 28 south, range 4 west, Willamette Meridian, Oregon.

The history of surveys pertaining to this resurvey is as follows:

In 1881, William H. Byars, U.S. Deputy Surveyor, surveyed the subdivisional lines.

In 1958, Irving Zirpel and William W. Glenn, Cadastral Surveyors, resurveyed a portion of the north boundary (Sixth Standard Parallel South) and subdivisional lines.

In 1981, James E. Jelley, Cadastral Surveyor, resurveyed a portion of the subdivisional lines and subdivided section 27.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated December 7, 1995, for Group No. 1794, Oregon.

The directions of the lines are based on the true meridian as determined by direct solar observations and were carried forward by means of sustained angulation. All measurements along the lines were derived through the use of electronic measuring equipment. An analysis of the unadjusted field data assured a closure not to exceed 1:4000 in error. Measured distance and direction have been adjusted by the Cadastral Measurement Management (CMM), a computer program that incorporates least squares analysis. The adjusted bearings and distances are reported to the nearest second and 0.001 of a chain.

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 true line field notes are given herein. All lines not forming a closure were measured twice.

The geographic position (NAD 1927) of 1/4 section corner of sections 27 and 28, as calculated from the record bearing and distance shown on the official plat for T. 28 S., R. 4 W., accepted July 6, 1984, to the W 1/16 section corner of sections 22 and 27, at latitude 43° 06' 47.0" N., longitude 123° 09' 42.0" W., as determined by a direct tie to United States Coast and Geodetic Survey triangulation station "DODSON 1942," in 1981, is as follows:

Latitude: 43° 06' 21" N. Longitude: 123° 09' 59" W.

The mean magnetic declination is 18½° East.

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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 28 S., R. 4 W., Willamette Meridian, Oregon**

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(Restoring the survey by William H. Byars in 1881, and the  
resurvey by Irving Zirpel and William W. Glenn in 1958)

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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 28 S., R. 4 W., Willamette Meridian, Oregon**

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19.614	<p>Beginning at the 1/4 sec. cor. of secs. 27 and 28, monumented with an iron post, 2½ ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T28S    R4W           1/4 S 28 * S 27           1958</p> <p>from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A sawed fir stump, 29 ins. diam., bears N. 78° E., 18 lks. dist., with scribe mark S visible on opened blaze.</p> <p>and the remains of bearing trees mkd. by James W. Byron, Deputy County Surveyor, in 1957, as recorded in the Douglas County Surveyors Office C.S. file No. 47/180</p> <p style="padding-left: 40px;">A cedar, 18 ins. diam., bears S. 78° E., 61½ lks. dist., with healed double blaze.</p> <p style="padding-left: 40px;">A sawed fir stump, 11 ins. diam., bears S. 20½° W., 42 lks. dist., with scribe marks S28 CS visible on decayed upper blaze with healed lower blaze.</p> <p>and a bearing tree mkd. by Jelley in 1981</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears N. 54½° W., 41 lks. dist., with healed blaze.</p> <p>N. 0° 02' 25" W., bet. secs. 27 and 28.</p> <p>Ascend over broken SW. slope, through scattering timber and moderate undergrowth.</p> <p>The N 1/16 sec. cor. of secs. 27 and 28, established by Raymond F. Brown, Registered Land Surveyor No. 2391, in 1993, as recorded in Douglas County Surveyors Office map file no. M116-52, accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 1 in. above ground, with a yellow plastic cap mkd. R Brown PLS2391, from which the bearing trees mkd. by Brown:</p> <p style="padding-left: 40px;">A fir, 6 ins. diam., bears N. 87 3/4° E., 60 lks. dist., with fragmentary scribe marks visible on partially healed double blaze.</p> <p style="padding-left: 40px;">A fir, 6 ins. diam., bears S. 51½° W., 34 lks. dist., with fragmentary scribe marks visible on partially 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, directly over the iron rod, with brass cap mkd.</p> <p style="text-align: center;">N 1/16 S 28 * S 27           1996</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
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	<p>The corner is located 0.02 chs., East of a fence corner, with a woven wire fence extending West, and 0.25 chs., West of a dirt road, 15 lks. wide, bears N. 30° W. and S. 30° E.</p> <p style="text-align: center;">_____</p> <p>N. 0° 01' 13" W., beginning a new measurement.</p> <p>Ascend over broken SW. slope.</p>
1.75	Graveled road, 30 lks. wide, bears N. 60° E. and W.
4.45	Graveled road, 20 lks. wide, bears N. 35° W. and S. 80° E., in curve.
4.904	<p>Intersect property corner, established by Raymond F. Brown, Registered Land Surveyor No. 2391, in 1993, as recorded in Douglas County Surveyors Office map file No. M116-52; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 2 ins. above ground, with yellow plastic cap mkd. R Brown PLS 2391.</p> <p>This point is located on the east edge of graveled road.</p>
5.50	Ridge, bears N. 60° E. and S. 60° W.; desc. over broken NW. slope, also graveled road, 20 lks. wide, bears N. 65° E. and S. 35° W., in curve.
12.260	Intersect property corner, established by Raymond F. Brown, Registered Land Surveyor No. 2391, in 1993, as recorded in Douglas County Surveyors Office map file No. M116-52, monumented with an iron rod, 5/8 in. diam., firmly set flush with the ground, with yellow plastic cap mkd. R Brown PLS 2391.
14.711	Intersect property corner, established by Raymond F. Brown, Registered Land Surveyor No. 2391, in 1993, as recorded in Douglas County Surveyors Office map file No. M116-52; monumented with an iron rod, 5/8 in. diam., firmly set flush with the ground, with yellow plastic cap mkd. R Brown PLS 2391.
19.614	<p>The cor. of secs. 21, 22, 27, and 28, monumented with an iron post, 2½ ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T28S    R4W S 21 * S 22 ----- S 28 * S 27 1958</p> <p>from which the remains of the bearing trees mkd. by John H. Markham, Jr., Registered Engineer No. 2880, in 1950, as recorded in the Douglas County Surveyors Office C.S. file No. 40/257</p> <p style="padding-left: 40px;">A fir, 39 ins. diam., bears S. 50° E., 100 lks. dist., with scribe marks S27 2880 visible on bark blaze.</p> <p style="padding-left: 40px;">A fir, 51 ins. diam., bears S. 29½° E., 54 lks. dist., with scribe marks S27 2880 visible on bark blaze.</p> <p style="padding-left: 40px;">A sawed fir stump, 30 ins. diam., bears N. 35° W., 34 lks. dist., with fragmentary scribe marks visible on bark blaze.</p>

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and the remains of bearing trees mkd. by Zirpel and Glenn in 1958

An alder, 12 ins. diam., bears N.  $13\frac{1}{2}^{\circ}$  E., 75 lks. dist., with scribe marks T28S R4W S22 BT visible on bark blaze.

A sawed fir stump, 22 ins. diam., bears S.  $66^{\circ}$  W., 138 lks. dist., with healed blaze.

A fir, 42 ins. diam., bears N.  $58\frac{3}{4}^{\circ}$  W., 122 lks. dist., with healed blaze.

and a new bearing tree

A fir, 6 ins. diam., bears S.  $59^{\circ}$  W., 27 lks. dist., mkd. T28S R4W S28 BT.

## GENERAL DESCRIPTION

The lands included in the foregoing survey are located in Douglas County approximately eight miles northeast of the town of Myrtle Creek, Oregon. The terrain is mountainous with elevations ranging from approximately 1,000 feet above sea level near the corner of sections 21, 22, 27 and 28, to about 1,400 feet above sea level near the north 1/16 section corner of sections 27 and 28.

The area is drained by numerous small and seasonal drainages flowing westerly into Lee Creek. The soil is composed of a rocky clay. The area is forested with fir, cedar, yew, maple, madrone, pine, oak, chinquapin, alder, and willow; with undergrowth consisting of manzanita, blackberry, poison oak, huckleberry, hazel, Oregon grape, arrowwood, ceanothus, salal, buckbrush, ferns, and young timber.

Access into the area is via County Road No. 15, North Myrtle Road, Lee Creek Road, and other dirt and graveled roads branching from them into the area.

There were no mineral deposits noted along the lines of the survey. The land is used primarily for timber production.

The mean magnetic declination is  $18\frac{1}{2}^{\circ}$  East, as shown on the United States Geological Survey,  $7\frac{1}{2}$  minute, quadrangle map "DODSON BUTTE, OREG.," Provisional Edition, 1987.