

FEET

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY AND

SUBDIVISIONAL LINES, AND SUBDIVISION OF SECTION 32,

TOWNSHIP 31 SOUTH, RANGE 8 WEST,

OF THE WILLAMETTE MERIDIAN,

IN THE STATE OF OREGON.

EXECUTED BY**Terrence O. Nickerson, Cadastral Surveyor**

Under Special Instructions dated and approved December 17, 2001,
which provided for the surveys included under Group No. 2004,
and Assignment Instructions dated January 7, 2002.

Survey commenced March 25, 2002***Survey completed October 16, 2002***

T. 31 S., R. 8 W., Willamette Meridian, Oregon

FEET	
	<p>The following field notes are those of the dependent resurvey of a portion of the south boundary and subdivisional lines, and subdivision of section 32, township 31 south, range 8 west, Willamette Meridian, Oregon.</p> <p>The history of surveys pertaining to this survey is as follows:</p> <p>In 1883, William H. Byars, U.S. Deputy Surveyor, surveyed the south boundary and the subdivisional lines.</p> <p>The survey was executed in accordance with the specifications set forth in the <u>Manual of Surveying Instructions, 1973</u>, and the Special Instructions dated December 17, 2001, for Group No. 2004, Oregon.</p> <p>The directions of the lines are based on the true meridian as determined by direct solar observations and GPS observations 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 exceeding 1:4000 in error. Measured distances and directions have been adjusted by Cadastral Measurement Management for Windows (WinCMM), computer software that incorporates a least squares adjustment routine. The adjusted bearings and distances are reported to the nearest second and 0.01 foot.</p> <p>The survey was performed utilizing both terrestrial and satellite surveying techniques. The satellite measurements utilized the NAVSTAR GPS and Trimble 4600 single frequency, carrier phase receivers. The GPS portion of the survey followed guidelines published by the Federal Geodetic Control Committee in May 1988, in the publication "Geometric Geodetic Accuracy Standards and Specifications for using GPS Relative Positioning Techniques." All standards for Group C, Second Order, Class II were met.</p> <p>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.</p> <p>Each new bearing tree has a 2½ inch x ¼ inch magnetic nail (Mag Nail) driven at the base on right side center, unless otherwise noted in the corner description.</p>

T. 31 S., R. 8 W., Willamette Meridian, Oregon

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The geographic position (NAD 1983 (98)) of the corner of sections 4, 5, 32, and 33, on the S. bdy. of the Tp., as determined by a tie to National Geodetic Survey Control Station N 748, is as follows:

Latitude: 42° 49' 30.01" N. Longitude: 123° 39' 34.51" W.

**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

(Restoring the 1883 survey by William H. Byars)

Beginning at the corner of sections 4, 5, 32, and 33, perpetuated and recorded by the Douglas County Surveyors Office in 1967, and recorded in C.S. file No. 54/36; monumented with an iron post, 1 in. diam., firmly set, projecting 18 ins. above the ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE

T	31	S	R	8	W
S	32		S	33	
S	5		S	4	
T	32	S			
1967					

from which the remaining original bearing tree

A madrone, 18 ins. diam., bears N. 35° E., 23.1 ft. dist., with healed blaze.

and the remains of bearing trees mkd. by the Douglas County Surveyor

A madrone, 14 ins. diam., bears N. 2° E., 15.1 ft. dist., with healed blaze.

A dead madrone, 10 ins. diam., bears N. 71° E., 32.4 ft. dist., with healed blaze.

A fir, 29 ins. diam., bears S. 24½° W., 12.3 ft. dist., with healed blaze.

No suitable bearing trees in NW. or SE. quadrants.

**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

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	<p>From this point National Geodetic Survey station N 748, bears S. 45° 03' 31" E.(mean bearing), 105,226.69 ft.(sea level), monumented with a stainless steel rod, 5/8 in. diam., firmly set, 6 ins. below surface, in a monument case.</p> <p>S. 89° 28' 25" W., bet. secs. 5 and 32.</p> <p>Ascend over SE. slope, through medium timber and dense undergrowth, blazing and marking the true line.</p>
495	Spur, slopes S.; desc. along broken S. slope.
2490	Dry creek, drains S.; asc. over E. slope.
2521.01	<p>The ¼ sec. cor. of secs. 5 and 32, perpetuated and recorded by Milner Larson, Registered Professional Engineer No. 3642, in 1956, per county survey No. M3-3, subsequently perpetuated and recorded by the Douglas County Surveyors Office in 1967, and recorded in C.S. file No. 54/36; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 8 ins. above the ground, in a collar of stone, 1 ft. base, to top, from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A uprooted fir, 52 ins. diam., bears N. 9° E., 34.3 ft. dist., no face visible.</p> <p style="padding-left: 40px;">A fir snag, 60 ins. diam., bears S. 32° W., 49.5 ft. dist., with illegible scribe marks visible on partially healed blaze.</p> <p>and a bearing tree mkd. by Larson</p> <p style="padding-left: 40px;">A madrone, 20 ins. diam., bears N. 15° W., 8.1 ft. dist., with healed double blaze.</p> <p>and a bearing tree mkd. by the Douglas County Surveyor</p> <p style="padding-left: 40px;">A fir, 29 ins. diam., bears S. 9° W., 23.5 ft. dist., with healed blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., directly over the iron rod, 26 ins. in the ground, in a collar of stone, with brass cap mkd.</p>

**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

FEET	
	T 31 S R 8 W S 32 1/4 ————— S 5 T 32 S 2002
	Deposit a magnet in a white plastic case at the base of the stainless steel post. <hr style="width: 20%; margin: 10px auto;"/>
	N. 89° 58' 48" W., beginning new measurement.
	Ascend over steep E. rolling to SE. slope, through heavy timber and dense undergrowth, discontinue blazing and marking the true line.
900	Top of ascent, slopes S.; desc. over SW. slope.
1259.65	The W 1/16 sec. cor. of secs. 5 and 32, established and recorded by Milner Larson, Registered Professional Engineer No. 3642, in 1956, per county survey No. M3-3, and is accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 10 ins. above the ground, from which bearing trees mkd. by Larson <p style="margin-left: 40px;">A madrone, 11 ins. diam., bears N. 43½° E., 10.9 ft. dist., with fragmentary scribe marks visible on partially healed double blaze.</p> <p style="margin-left: 40px;">A madrone, 11 ins. diam., bears S. 1¾° W., 13.2 ft. dist., with healed double blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., directly over the iron rod, 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 20px 0;"> S 32 W 1/16 ————— S 5 2002 </div> <p>from which a new bearing tree</p> <p style="margin-left: 40px;">A fir, 12 ins. diam., bears S. 56° W., 25.1 ft. dist., mkd. W1/16 S5 BT.</p>

**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

FEET						
	<p>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>N. 89° 50' 43" W., beginning new measurement.</p> <p>Descend over SW. slope, through heavy timber and dense undergrowth, blazing and marking the true line.</p>					
870	<p>Hayes Creek, 10 ft. wide, drains S., asc. steep W. slope.</p>					
1260.07	<p>The cor. of secs. 5, 6, 31, and 32, reestablished at proportionate measurement and recorded by Milner Larson, Registered Professional Engineer No. 3642, in 1956, per county survey No. M3-3. There is no remaining evidence of the original cor., therefore this point is accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 10 ins. above the ground, from which bearing trees mkd. by Larson</p> <p style="padding-left: 40px;">A tan oak, 24 ins. diam., bears S. 10° E., 11.1 ft. dist., with healed double blaze.</p> <p style="padding-left: 40px;">A tan oak, 18 ins. diam., bears S. 29° W., 28.6 ft. dist., with healed double blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, directly over the iron rod, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: 0 auto;"> <tr><td>T 31 S R 8 W</td></tr> <tr><td>S 31 S 32</td></tr> <tr><td style="border-top: 1px solid black;">S 6 S 5</td></tr> <tr><td>T 32 S</td></tr> <tr><td>2002</td></tr> </table> </div> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>No suitable bearing trees available in the NE. or NW. quadrants.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89° 54' 36" W., bet. secs. 6 and 31.</p> <p>Ascend over steep W. slope, along south edge of clearcut and dense undergrowth, blazing and marking the true line.</p>	T 31 S R 8 W	S 31 S 32	S 6 S 5	T 32 S	2002
T 31 S R 8 W						
S 31 S 32						
S 6 S 5						
T 32 S						
2002						
560	<p>Top of ascent, slopes S.; desc. over SW. slope.</p>					

**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

<p align="center">FEET</p> <p>2521.71</p>	<p>The ¼ sec. cor. of secs. 6 and 31, recovered by Milner Larson, Registered Professional Engineer No. 3642, in 1956, per county survey no. M3-3, subsequently perpetuated and recorded by Lorne Swearingen, in 1960, and recorded in C.S. file No. 51/68, subsequently perpetuated and recorded by the Douglas County Surveyors Office, in 1967, and recorded in C.S. file No. 54/36; monumented with an iron pipe, 1¼ in. diam., firmly set, flush with the ground, from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A fir snag, 30 ins. diam., bears S. 10° W., 7.9 ft. dist., with no visible marks.</p> <p style="padding-left: 40px;">A fir stump, 40 ins. diam., bears N. 34° W., 23.1 ft. dist., axe mks. visible. (Record N. 30° W.)</p> <p>and a bearing tree mkd. by Swearingen</p> <p style="padding-left: 40px;">A fir, 45 ins. diam., bears S. 58° E., 39.7 ft. dist., with illegible scribe marks visible on partially healed blaze.</p> <p>and a bearing tree mkd. by the Douglas County Surveyor</p> <p style="padding-left: 40px;">A tan oak, 12 ins. diam., bears N. 31½° W., 63.4 ft. dist., with healed blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 16 ins. in the ground, to solid rock, directly over the iron pipe, with brass cap mkd.</p> <p style="text-align: center;">T 31 S R 8 W S 31 1/4 ——— S 6 T 31 S 2002</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr/> <p align="center">Dependent Resurvey of a Portion of the Subdivisional Lines, T. 31 S., R. 8 W., Willamette Meridian, Oregon</p> <hr/> <p align="center">(Restoring the 1883 survey by William H. Byars)</p> <hr/>
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**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

FEET	
	<p>From the cor. of secs. 4, 5, 32, and 33, on the south bdy. of the tp.</p> <p>N. 0° 09' 49" W., bet. secs. 32 and 33.</p> <p>Along a broken E. slope, through heavy timber and dense undergrowth, blazing and marking the true line.</p>
2590.22	<p>The ¼ sec. cor. of secs. 32 and 33, perpetuated and recorded by the Douglas County Surveyors Office in 1958, and recorded in C.S. file No. 49/109; monumented with an iron post, 1 in. diam., firmly set, projecting 18 ins. above the ground, in a collar of stone, 2 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE 1/4 S 32 S 33 T 31 S R 8 W 1958</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A cedar, 40 ins. diam., bears N. 25° E., 6.6 ft. dist., with healed blaze. (Record, N. 35° E.)</p> <p style="padding-left: 40px;">A fir, 38 ins. diam., bears S. 47° W., 29.1 ft. dist., with healed blaze. (Record, S. 50° W., 32.3 ft.)</p>
	<p>From the cor. of secs. 5, 6, 31, and 32, on the south bdy. of the tp.</p> <p>N. 0° 33' 30" E., bet. secs. 31 and 32.</p> <p>Descend along W. slope, through heavy timber and dense undergrowth.</p>
610	<p>Hayes Creek, 10 ft. wide, course S. 15° E.; asc. over E. slope.</p>
2587.32	<p>The ¼ sec. cor. of secs. 31 and 32, perpetuated and recorded by the Douglas County Surveyors Office in 1967, and recorded in C.S. file No. 54/36; monumented with an iron post, 1 in. diam., firmly set, projecting 16 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T 31 S R 8 W 1/4 S 31 S 32 1967</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

FEET	
	<p>from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A root hole, bears N. 80° W., 16.5 ft. dist., alongside of which is lying an uprooted fir, size indeterminate, with no marks visible on partially healed blaze.</p> <p>and bearing trees mkd. by the Douglas County Surveyor</p> <p style="padding-left: 40px;">A fir, 25 ins. diam., bears N. 57° E., 7.2 ft. dist., with healed blaze.</p> <p style="padding-left: 40px;">A fir, 24 ins. diam., bears N. 42° W., 28.4 ft. dist., with healed blaze.</p> <hr/> <p style="text-align: center;">Subdivision of Section 32, T. 31 S., R. 8 W., Willamette Meridian, Oregon</p> <hr/> <p>From the ¼ sec. of secs. 5 and 32, on the south bdy. of the tp. N. 0° 42' 50" W., on the N. and S. centerline of sec. 32.</p> <p>Ascend over SE. slope, through heavy timber and dense undergrowth, blazing and marking the true line.</p>
2602.22	<p>Point for the center ¼ sec. cor. of sec. 32, at intersection with the E. and W. centerline.</p> <p>Set a regulation brass tablet, 3½ ins. diam., 3 in. stem, cemented in a drilled hole in solid rock outcrop, mkd.</p> <p style="text-align: center;">T 31 S R 8 W C 1/4 S 32 2002</p> <p>from which</p> <p style="padding-left: 40px;">A live oak, 6 ins. diam., bears S. 57½° E., 9.7 ft. dist., mkd. C¼ S32 BT.</p> <p style="padding-left: 40px;">A fir, 9 ins. diam., bears S. 7¾° W., 18.4 ft. dist., mkd. C¼ S32 BT.</p> <p>Ascend over S. slope, discontinue blazing and marking the true line.</p>
3810	<p>Spur ridge, bears generally E. and W.; desc. over N. slope, rolling to a W. slope.</p>

**Subdivision of Section 32,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

FEET	
5181.26	<p>The ¼ sec. cor. of secs. 29 and 32, perpetuated and recorded by the Douglas County Surveyors Office in 1958, and recorded in C.S. file No. 49/109; monumented with an iron post, 1 in. diam., firmly set, projecting 16 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T 31 S R 8 W S 29 1/4 _____ S 32 1958</p> <p>from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A fir snag, size indeterminate, bears N. 20° E., 11.2 ft. dist., with no visible marks.</p> <p style="padding-left: 40px;">A sugar pine snag, 65 ins. diam., bears S. 10° W., 27.1 ft. dist., with healed blaze. (Record, 28.4 ft.)</p> <p>and the remains of bearing trees mkd. by the Douglas County Surveyor</p> <p style="padding-left: 40px;">A sawed red fir stump, 18 ins. diam., bears N. 36° E., 47.7 ft. dist., with healed lower blaze.</p> <p style="padding-left: 40px;">An uprooted red fir, 8 ins. diam., bears S. 30° W., 53.0 ft. dist., with no visible marks.</p> <p>and new bearing trees</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears N. 60¼° E., 8.7 ft. dist., mkd. ¼ S29 BT.</p> <p style="padding-left: 40px;">A fir, 6 ins. diam., bears S. 8¾° E., 9.6 ft. dist., mkd. X at breast height and BT at base.</p> <hr/> <p>From the ¼ sec. cor. of secs. 32 and 33.</p> <p>S. 89° 44' 40" W., on the E. and W. centerline of sec. 32.</p> <p>Ascend over E. slope, through heavy timber and dense undergrowth.</p>
2545.66	<p>The center ¼ sec. cor. of sec. 32.</p> <p>Ascend along E. slope, blazing and marking the true line.</p>
3776.57	<p>Point for the center W 1/16 sec. cor. of sec. 32.</p>

**Subdivision of Section 32,
T. 31 S., R. 8 W., Willamette Meridian, Oregon**

FEET	
	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">W 1/16 C ——— C S 32 2002</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 7 ins. diam., bears N. 28° E., 22.6 ft. dist., mkd. CW 1/16 S32 BT.</p> <p style="padding-left: 40px;">A tan oak, 6 ins. diam., bears S. 39½° E., 44.3 ft. dist., mkd. CW 1/16 S32 BT.</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Descend over W. slope, discontinue blazing and marking the true line.</p>
5007.48	<p>The ¼ sec. cor. of secs. 31 and 32.</p> <hr/> <p>From the W 1/16 sec. cor. of secs. 5 and 32, on the south bdy. of the tp.</p> <p>N. 0° 05' 02" W., on the N. and S. centerline of the SW¼ of sec. 32.</p> <p>Ascend over N. slope, rolling to a broken W. slope, through heavy timber and dense undergrowth, blazing and marking the true line.</p>
2596.09	<p>The center W 1/16 sec. cor. of sec. 32.</p> <hr/>

T. 31 S., R. 8 W., Willamette Meridian, Oregon

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	<p data-bbox="683 289 990 315" style="text-align: center;">GENERAL DESCRIPTION</p> <p data-bbox="410 352 1433 506">The land included in the foregoing resurvey is located approximately 15 miles westerly of Glendale, Oregon. Access is by way of asphalt surfaced roads along Cow Creek and West Fork of Cow Creek, with several dirt and gravelled roads branching from West Fork of Cow Creek.</p> <p data-bbox="410 543 1433 697">The area is extremely mountainous, with elevations ranging from 1,200 feet above sea level to about 3,200 feet above sea level. The main drainage is West Fork of Cow Creek, which flows in a generally easterly direction. There are numerous small drainages and ravines which flow into West Fork of Cow Creek.</p> <p data-bbox="410 735 1433 919">The soil is composed of rocky clay, with numerous rock outcrops. The timber consists primarily of fir, pine, cedar, oak, madrone, chinquapin, maple, live oak, tan oak and alder. The undergrowth consists of poison oak, manzanita, ceanothus, vine maple, huckleberry, salal, evergreen huckleberry, and Oregon grape.</p> <p data-bbox="410 957 1433 1016">There were no mineral deposits noted along the lines surveyed.</p> <p data-bbox="410 1054 1433 1171">The magnetic declination is 18° East, as shown on the "DUTCHMAN PEAK, OREGON," 7½ minute series quadrangle map, provisional edition, published by the U.S. Geological Survey, in 1990.</p>