

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

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

TOWNSHIP 31 SOUTH, RANGE 6 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

A. Bert Skeesick, Cadastral Surveyor

Timothy J. Moore, Cadastral Surveyor

Under Special Instructions dated April 11, 2000, approved April 11, 2000,
which provided for the surveys included under Group No. 1950,
and assignment instructions dated April 11, 2000.

Survey commenced April 12, 2000

Survey completed May 4, 2000

T. 31 S., R. 6 W., Willamette Meridian, Oregon

FEET	<p>The following field notes are those of the dependent resurvey of a portion of the subdivisional lines of Township 31 South, Range 6 West, of the Willamette Meridian, Oregon.</p> <p>The history of surveys pertaining to this survey is as follows:</p> <p>In 1882, William H. Byars, U.S. Deputy Surveyor, surveyed the subdivisional lines.</p> <p>In 1980-81, James E. Jelley and Wayne L. Rogers, Cadastral Surveyors, resurveyed a portion of 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 April 11, 2000, for Group No. 1950, Oregon.</p> <p>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 exceeding 1:4000 in error. Measured distance and direction 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>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 the right side-center, unless otherwise described in the corner description.</p> <p>The geographic position (NAD 1983 (91)) of the ¼ sec. cor. of secs. 23 and 26, T. 31 S., R. 6 W., as determined from a tie to triangulation station SILVER BUTTE 1942, established by the US Coast & Geodetic Survey in 1942, is as follows:</p> <p>Latitude: 42° 51' 17.59" N. Longitude: 123° 22' 39.69" W.</p> <p>The mean magnetic declination is 18½° East.</p> <hr/>
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**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 6 W., Willamette Meridian, Oregon**

FEET	
	(Restoring the 1882 Survey executed by William H. Byars)
	<p>Beginning at the cor. of secs. 23, 24, 25, and 26, perpetuated by J. W. Cole, Douglas County Surveyor, in 1924, further perpetuated by James Byron, Douglas County Deputy Surveyor, in 1961, and Randall Smith and Stephen Flause, Douglas County Surveyor's Office, in 1996, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 31 S., R. 6 W., Point Identifier No. 600300, monumented with a drill steel, 1 in. diam., firmly set, projecting 12 ins. above ground, in a mound of stone, 2½ ft. diam., 8 ins. high, from which the remains of the orig. bearing trees</p> <p style="padding-left: 40px;">A decayed stump, 48 ins. diam., bears N. 42° E., 47.5 ft. dist., no scribe marks visible on a decayed blaze.</p> <p style="padding-left: 40px;">A decayed stump, size indeterminate, bears S. 33¾° E., 13.0 ft. dist., no scribe marks visible on decayed trunk lying alongside. (Record, S. 45° E., 12.5 ft.)</p> <p style="padding-left: 40px;">A roothole bears S. 60½° W., 45.7 ft. dist., with fallen trunk, 48 ins. diam., lying alongside, no scribe marks visible on decayed blaze. (Record, S. 64° W., 47.5 ft.)</p> <p>and remains of bearing trees mkd. by Byron</p> <p style="padding-left: 40px;">A fir, 11 ins. diam., bears N. 12¼° E., 36.3 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A decayed stump, 20 ins. diam., bears S. 84¼° E., 27.5 ft. dist., capped with tin, no scribe marks visible on decayed blaze.</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears S. 65½° W., 6.2 ft. dist., with a healed double blaze.</p> <p>and bearing trees mkd. by Smith and Flause</p> <p style="padding-left: 40px;">A fir, 6 ins. diam., bears N. 29¾° E., 21.0 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A fir, 9 ins. diam., bears S. 10½° W., 32.1 ft. dist., with fragmentary scribe marks visible on partially healed double blaze.</p> <p>At the corner point</p> <p>Set an aluminum cap, 2 ins. diam., onto the drill steel, with cap mkd.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 6 W., Willamette Meridian, Oregon**

FEET	
	T 31 S R 6 W S 23 S 24 ----- S 26 S 25 2000
	and a new bearing tree
	A fir, 6 ins. diam., bears S. 59 $\frac{3}{4}$ ° E., 10.4 ft. dist., mkd. T31S R6W S25 BT.
	N. 88° 15' 53" W., bet. secs. 23 and 26.
	Asc. broken N. slope.
865	Gravel road, 12 ft. wide, bears S. 65° E. and N. 65° W.
1090	Creek, 4 ft. wide, course N. 70° E., asc. broken SE. slope.
2581.23	The $\frac{1}{4}$ sec. cor. of secs. 23 and 26, reestablished by proportionate measurement by J.W. Cole, Douglas County Surveyor, in 1924, perpetuated by James Byron, Douglas County Deputy Surveyor, in 1961, and further perpetuated by Randall Smith and Stephen Flause, Douglas County Surveyor's Office, in 1984, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 31 S., R. 6 W., Point Identifier No. 540300. There is no remaining evidence of the original corner; therefore, this position is accepted as the corner, monumented with an iron post, 1 $\frac{1}{4}$ ins. diam., firmly set, projecting 6 ins. above ground, in a mound of stone, 2 ft. base, 1 ft. high, (with 1 in. diam. drill steel projecting 4 ins. above ground driven alongside) with brass cap mkd.
	COUNTY SURVEYORS T 31 S R 6 W S 23 1/4 S 26 DOUGLAS 1984 OFFICE
	from which the remains of the bearing tree mkd. by Cole
	A decayed fir stump, 23 ins. diam., bears N. 82° W., 14.0 ft. dist., no marks visible.
	and bearing trees mkd. by Byron
	A fir, 28 ins. diam., bears N. 3° E., 48.6 ft. dist., with a healed double blaze.
	A fir, 22 ins. diam., bears S. 52 $\frac{1}{4}$ ° W., 49.7 ft. dist., with a healed blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
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FEET	
	<p>From this point, U.S. Coast and Geodetic Survey triangulation station "SILVER BUTTE 1942" bears N. 6° 10' 08" W., 1439.75 ft. dist. (mean bearing and sea level dist.), monumented with a standard brass cap, 3½ ins. diam., firmly cemented into a drill hole in a rock outcrop, with top mkd. SILVER BUTTE 1942 and a triangle.</p> <hr style="width: 20%; margin: 10px auto;"/>
	N. 88° 13' 54" W., beginning new measurement.
	Asc. steep E. slope.
420	Top of ridge, bears N. 10° E. and S. 10° W., desc. steep W. slope.
810	Gravel road, 12 ft. wide, bears N. 38° E. and S. 38° W.
980.11	<p>A point established on the line bet. secs. 23 and 26 by J.W. Cole, Douglas County Surveyor, in 1924, recorded in the Douglas County Surveyor's Record, Volume 3, Page 181, monumented with a drill steel, 1 in. diam., firmly set, projecting 5 ins. above ground. This point is accepted as marking the sec. line and is identified as Angle Point No. 1. Placed an aluminum cap, 2 ins. diam., on top of drill steel, mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 31 S R 6 W S 23 AP1 S 26 2000</p> <hr style="width: 20%; margin: 10px auto;"/> </div>
	N. 88° 07' 06" W., beginning new measurement.
313.05	<p>The W 1/16 sec. cor. of secs. 23 and 26, established by J.W. Cole, Douglas County Surveyor, in 1924, recorded in the Douglas County Surveyor's Record, Volume 3, Page 181, monumented with a drill steel, 1 in. diam., firmly set, projecting 5 ins. above ground, and is accepted as the corner. Placed an aluminum cap, 3¼ ins. diam., on top of drill steel, mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T 31 S R 6 W S 23 W 1/16 S 26 2000</p> </div> <p>from which new bearing trees</p> <p style="text-align: center; margin: 10px 0;">A fir, 25 ins. diam., bears N. 71½° E., 54.8 ft. dist., mkd. W 1/16 S23 BT.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
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FEET	
	<p style="text-align: center;">A fir, 7 ins. diam., bears S. 14° W., 9.0 ft. dist., mkd. W 1/16 S26 BT.</p> <hr style="width: 20%; margin: auto;"/> <p>N. 88° 18' 08" W., beginning new measurement.</p>
46.78	<p>A point established on the line bet. secs. 23 and 26 by J.W. Cole, Douglas County Surveyor, in 1924, recorded in the Douglas County Surveyor's Record, Volume 3, Page 181, monumented with a drill steel, 1 in. diam., firmly set, projecting 6 ins. above ground. This point is accepted as marking the sec. line and is identified as Angle Point No. 2. Placed an aluminum cap, 2 ins. diam., on top of drill steel, mkd.</p> <p style="text-align: center;">T 31 S R 6 W S 23 AP2 S 26 2000</p> <hr style="width: 20%; margin: auto;"/> <p>N. 88° 14' 17" W., beginning new measurement.</p>
1237.87	<p>The cor. of secs. 22, 23, 26, and 27, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 16 ins. above ground, (with 1 in. diam. drill steel projecting 14 ins above ground driven alongside) with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T 31 S R 6 W S 22 S 23 S 27 S 26 1966</p> <p>from which the remaining orig. bearing trees</p> <p style="margin-left: 40px;">A madrone, 17 ins. diam., bears N. 55° E., 16.5 ft. dist., with a healed blaze. (Record, N. 52° E.)</p> <p style="margin-left: 40px;">A madrone, 12 ins. diam., bears S. 18° E., 18.5 ft. dist., no scribing visible on an opened blaze. (Record, S. 20° E.)</p> <p style="margin-left: 40px;">A madrone, 12 ins. diam., bears N. 57° W., 32.3 ft. dist., with a healed blaze. (Record, N. 60° W., 36.3 ft.)</p> <p>and bearing trees mkd. by Cole, reported by Jelley and Rogers</p> <p style="margin-left: 40px;">A fir, 34 ins. diam., bears N. 55¼° E., 70.5 ft. dist., with a healed blaze. (Record, N. 59½° W., 68.6 ft.)</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
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FEET	
	<p>A stump, 33 ins. diam., bears S. $78\frac{3}{4}^{\circ}$ W., 77.9 ft. dist., with no marks visible. (Record, S. $76\frac{1}{2}^{\circ}$ W.)</p> <p>A fir, 45 ins. diam., bears N. $43\frac{3}{4}^{\circ}$ W., 60.2 ft. dist., with a healed blaze. (Record, N. 45° W., 58.1 ft.)</p> <p>and bearing trees mkd. by Powell, reported by Jelley and Rogers</p> <p>A fir, 31 ins. diam., bears S. $\frac{1}{4}^{\circ}$ E., 23.5 ft. dist., with fragmentary scribe marks visible on a partly healed blaze. (Record, S. 3° E., 24.4 ft.)</p> <p>A fir, 8 ins. diam., bears S. 53° W., 14.5 ft. dist., with a healed blaze.</p> <p>A fir, 12 ins. diam., bears N. $16\frac{1}{2}^{\circ}$ W., 15.2 ft. dist., with a healed blaze. (Record, N. 20° W.)</p> <p>The Jelley and Rogers record identifies the 1 in. diam. drill steel as the cor. point however, the county record is clear that the iron post when established was set at the corner point. Therefore, the iron post with brass cap is accepted as the corner point.</p> <hr/> <p>N. $89^{\circ} 17' 49''$ W., bet. secs. 22 and 27.</p> <p>Desc. steep NW. slope.</p>
2277.89	<p>Point selected for a witness point bet. secs. 22 and 27.</p> <p>Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">WP T 31 S R 6 W S 22 S 27 2000</p> <p>from which</p> <p>A fir, 8 ins. diam., bears S. $27\frac{1}{2}^{\circ}$ W., 101.8 ft. dist., mkd. X BT.</p> <p>A cedar, 7 ins. diam., bears N. $50\frac{3}{4}^{\circ}$ W., 10.3 ft. dist., mkd. X BT.</p>
2470	<p>Creek, 6 ft. wide, course S. 63° W., asc. broken SE. slope.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
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FEET 2664.55	<p>The ¼ sec. cor. of secs. 22 and 27, perpetuated by Vernon "Ray" Tracy, Douglas County Deputy Surveyor, in 1964, further perpetuated by Randall Smith and Stephen Flause, Douglas County Surveyor's Office, in 1996, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 31 S., R. 6 W., Point Identifier No. 440300, recovered, and utilized by Gregory D. Lang, Oregon Registered Professional Land Surveyor No. 2295 in 1996, survey recorded in the Douglas County Surveyors office, map file No. M125-3, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T 31 S 1/4 S 22</p> <p style="text-align: center;">S 27 R 6 W 1964</p> <p>from which the remains of an orig. bearing tree</p> <p style="padding-left: 40px;">A sawed fir stump, 37 ins. diam., bears N. 66½° W., 35.0 ft. dist., capped with tin, with a healed blaze. (Record, N. 70° W.)</p> <p>and remains of bearing trees mkd. by Tracy</p> <p style="padding-left: 40px;">A sawed fir stump, 15 ins. diam., bears North, 19.5 ft. dist., with a healed double blaze.</p> <p style="padding-left: 40px;">A sawed fir stump, 16 ins. diam., bears S. 27½° W., 16.4 ft. dist., with scribe marks S27 CS BT visible on partially opened blaze.</p> <p>and remains of bearing trees mkd. by Smith and Flause</p> <p style="padding-left: 40px;">A fir, 9 ins. diam., bears N. 31° E., 13.4 ft. dist., with scribe marks 1/4 S22 CS BT visible on partially healed double blaze.</p> <p style="padding-left: 40px;">A fir stump, 38 ins. diam., bears S. 84° E., 22.1 ft. dist., with boat spike in top near center of stump.</p> <p style="padding-left: 40px;">A cedar, 4 ins. diam., bears S. 75¾° W., 16.7 ft. dist., with scribe marks X BT visible on partially healed blaze.</p> <p style="padding-left: 40px;">A fir, 9 ins. diam., bears N. 48½° W., 19.3 ft. dist., with fragmentary scribe marks visible on partially healed blaze.</p> <p>Cor. is located at crest of spur, slopes South.</p> <hr style="width: 20%; margin-left: auto; margin-right: auto;"/>
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**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 6 W., Willamette Meridian, Oregon**

FEET	
	S. 89° 12' 36" W., beginning new measurement.
	Desc. broken S slope.
155	Improved dirt road, 12 ft. wide, bears S. 79° E. and N. 79° W.
1120	Creek, 10 ft. wide, course N. 22° W., asc. moderate N. slope.
1333.48	Point selected for a witness point bet. secs. 22 and 27.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.
	WP T 31 S R 6 W S 22 S 27 2000
	from which
	A fir, 6 ins. diam., bears S. 26¾° E., 34.1 ft. dist., mkd. X BT.
	A fir, 9 ins. diam., bears N. 89° W., 12.5 ft. dist., mkd. X BT.
1580	Spur, slopes N. 36° W., desc. gentle NW. slope.
2703.48	The cor. of secs. 21, 22, 27, and 28, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.
	COUNTY SURVEYORS OFFICE T 31 S S 21 S 22 S 28 S 27 R 6 W 1966
	from which the remaining orig. bearing tree
	A cedar, 34 ins. diam., bears N. 44° W., 31.7 ft. dist., with a healed blaze, mkd. X in the bark.
	and remains of the bearing trees mkd. by Tracy
	A fir, 21 ins. diam., bears S. 70° W., 17.2 ft. dist., with a healed double blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
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FEET	
	<p>and remains of the bearing trees mkd. by Jelley and Rogers</p> <p style="padding-left: 40px;">A dead fir, 24 ins. diam., bears N. 37° E., 40.3 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A sawed, decayed stump, 28 ins. diam., bears S. 1½° E., 68.0 ft. dist., with scribe marks R6W S27 visible on decayed blaze.</p> <p>and bearing trees mkd. by Mark F. Smalley, Oregon Registered Professional Land Surveyor No. 2354, in 1995, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 31 S., R. 6 W., Point Identifier No. 400300,</p> <p style="padding-left: 40px;">A fir, 11 ins. diam., bears S. 31° E., 52.5 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A dead fir, 17 ins. diam., bears N. 12¾° W., 39.0 ft. dist., with scribe marks S21 BT visible on an open blaze.</p> <hr/> <p>N. 89° 32' 38" W., bet. secs. 21 and 28.</p> <p>Desc. gentle NW. slope.</p>
785	Creek, 12 ft. wide, course S. 23° W., asc. broken SE. slope.
845	Improved dirt road, 12 ft. wide, bears N. 55° E. and S. 55° W.
1075	Spur, slopes S. 4° E., desc. gentle SW. slope.
2490	Creek, 4 ft. wide, course S. 50° W., asc. SE. slope.
2653	Gravel road, 12 ft. wide, bears N. 30° E. and S. 30° W.
2655.05	<p>The ¼ sec. cor. of secs. 21 and 28, perpetuated from original evidence no longer in existence, by Vernon "Ray" Tracy, Douglas County Deputy Surveyor, in 1964, further perpetuated by Mark F. Smalley, Oregon Registered Professional Land Surveyor No. 2354, in 1995, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 31 S., R. 6 W., Point Identifier No. 340300, monumented with a drill steel, 1¼ ins. diam., firmly set, buried 1 in. below surface of gravel road, from which the remaining bearing tree mkd. by Tracy</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears N. 59° W., 27.5 ft. dist., with a healed double blaze.</p> <p>From this point, a point established as a witness corner for the 1/4 section corner bet. secs. 21 and 28, by Vernon "Ray" Tracy, Douglas County Deputy Surveyor, in 1964, recorded in the Douglas County Surveyors Record of Government Corners Renewed,</p>

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FEET

T. 31 S., R. 6 W., Point Identifier No. 338300, bears N. 89° 38' 52" W., 149.92 ft. dist. (this point serves as a reference monument), monumented with an iron post, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE

T 31 S

WC 150 FT E

S 21

1/4

S 28

R 6 W

1964

from which bearing trees mkd. by Tracy

A fir, 19 ins. diam., bears N. 49° E., 27.4 ft. dist., with a healed blaze.

A fir, 14 ins. diam., bears S. 32° E., 9.4 ft. dist., with a healed blaze.

GENERAL DESCRIPTION

The lands included in the foregoing survey are located in mountainous terrain, approximately 6.5 miles southerly from the community of Riddle, Oregon.

The elevation ranges from about 3970 ft. above sea level near Silver Butte to about 1800 ft. above sea level near Middle Creek.

The area is drained by the tributaries of Middle Creek to the west and the West Fork of Canyon Creek to the east of Silver Butte.

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

The soil is generally composed of rocky clay, with numerous basalt outcroppings and bluffs, and steep, crumbling rock slopes.

Access to the survey was made by graveled roads branching from Forest Road Nos. 30-6-35.0 and 31-6-4.0.

The mean magnetic declination is 18½° East, as shown on the "MC CULLOUGH CREEK, OREG." 7½ minute provisional edition quadrangle map published by the United States Geological Survey in 1986.