

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
AND
THE SUBDIVISION OF SECTION 13,
TOWNSHIP 29 SOUTH, RANGE 4 WEST,
OF THE
WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY
Bryan S. Seibold, Cadastral Surveyor
Robert H. Browning, Surveying Technician

Under Special Instructions dated June 27, 1995,
and approved June 28, 1995,
which provided for the surveys included under Group No. 1775,
and Assignment Instructions dated August 25, 1995.

Survey commenced August 28, 1995
Survey completed September 27, 1995

T. 29 S., R. 4 W., Willamette Meridian, Oregon

CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 13, township 29 south, range 4 west, Willamette Meridian, Oregon.

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

In 1854, Nathaniel Ford, U. S. Deputy Surveyor, surveyed the east and south boundaries and a portion of the subdivisional lines.

In 1881, William H. Byars, U. S. Deputy Surveyor, resurveyed the east boundary, retraced and surveyed portions of the subdivisional lines.

In 1964-65, Donald R. Beck, Cadastral Surveyor, resurveyed the east boundary and a portion of the subdivisional lines.

In 1967-77, Lynn M. Roseberry and James E. Jelley, Cadastral Surveyors, resurveyed portions of the east boundary, subdivisional lines and boundaries of Donation Land Claim No. 37, and subdivided sections 9, 21, and 24.

In 1989-90, Dale T. Bedell, Cadastral Surveyor, resurveyed a portion of the subdivisional lines and subdivided sections 17 and 18, T. 29 S., R. 3 W.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated June 27, 1995, for Group No. 1775, 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 exceeding 1:4000 in error. Measured distances and directions have been adjusted by 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. The retracement data were thoroughly verified and only the true line field notes are given herein.

Detectable Electronically Energized Particles (DEEP-1 TM) were buried as memorials at certain corner monuments. The DEEP-1 is composed of strontium encased in a color coded plastic container. The units are 1 inch in diameter, 2½ inches long, weigh 2½ ounces, and are magnetically detectable to an average depth of 8 feet.

The geographic position (NAD 1927) of the north 1/16 section corner of sections 13 and 14, as determined from a tie to Geodetic Control Station No. EC41119, established by the Bureau of Land Management, is as follows:

T. 29 S., R. 4 W., Willamette Meridian, Oregon

CHAINS

Latitude: 43° 03' 01.08" N. Longitude: 123° 07' 54.75" W.

The mean magnetic declination is 18° East.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 4 W., Willamette Meridian, Oregon**

(Restoring the survey by Nathaniel Ford in 1854)

Beginning at the cor. of secs. 13, 14, 23, and 24, perpetuated by F. C. Frear, Deputy County Surveyor, in 1918, recorded in the Douglas County Surveyor's Record of Government Corners Renewed, T. 29 S., R. 4 W., No. 15, further perpetuated by James W. Byron, Deputy County Surveyor, in 1962, recorded in the Douglas County Surveyor's Record of Government Corners Renewed, T. 29 S., R. 4 W., No. 168; monumented with an iron post, 2½ ins. diam., firmly set, projecting 8 ins. above ground (alongside of which is an inverted iron post, 2½ ins. diam., firmly set, projecting 5 ins. above ground), with brass cap mkd.

T29S	R4W
S 14	S 13
S 23	S 24

1967

from which the remains of an original bearing tree

An oak snag, size indeterminate, bears N. 74½° W., 54 lks. dist., no marks visible.

and the remains of a bearing tree mkd. by Byron

A madrone stump, size indeterminate, bears N. 59¼° E., 27 lks. dist., no marks visible.

and new bearing trees

A pine, 6 ins. diam., bears N. 1¼° E., 123 lks. dist., mkd. X BT.

A madrone, 5 ins. diam., bears N. 56½° E., 27 lks. dist., mkd. X BT.

A madrone, 6 ins. diam., bears S. 33° E., 81 lks. dist., mkd. T29S R4W S24 BT.

No suitable trees within limits to the SW.

N. 1° 46' 49" E., bet. secs. 13 and 14.

Ascend over broken W. slope, through second growth timber and dense undergrowth.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 4 W., Willamette Meridian, Oregon**

CHAINS	
17.70	Dirt road, 20 lks. wide, bears N. 70° E. and S. 70° W.
19.507	<p>The S 1/16 sec. cor. of secs. 13 and 14, established by Donald R. Martin, Registered Professional Engineer No. 3900, in 1968, recorded in the Douglas County Surveyors Office Map File, M39-21, and is accepted as the corner; determined at recorded distances from the remains of bearing trees mkd. by Martin:</p> <p style="padding-left: 40px;">A sawed cedar stump, 24 ins. diam., bears N. 84¾° E., 124 lks. dist., with fragmentary scribe marks visible on opened blaze.</p> <p style="padding-left: 40px;">A sawed cedar stump, 14 ins. diam., bears S. 35¾° W., 59 lks. dist., with healed 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, with brass cap mkd.</p> <p style="text-align: center;">S 1/16 S 14 S 13 1995</p> <p>from which new bearing trees</p> <p style="padding-left: 40px;">An oak, 23 ins. diam., bears S. 43° E., 224 lks. dist., mkd. S1/16 S13 BT.</p> <p style="padding-left: 40px;">A cedar, 21 ins. diam., bears N. 89° W., 91 lks. dist., mkd. S1/16 S14 BT.</p> <p>From this point, an iron pipe (presumed to be that set by Martin for the S 1/16 sec. cor. of secs. 13 and 14, this position does not agree with the remains of bearing trees mkd. by Martin and is therefore believed to have been reset by person(s) unknown), bears N. 6° 51' 23" E., 0.467 chs. dist., 1 inch diam., firmly set, projecting 16 ins. above ground.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 2° 04' 52" E., beginning new measurement.</p> <p>Continue ascending over broken W. slope, through second growth timber and dense undergrowth.</p>
19.393	<p>The 1/4 sec. cor. of secs. 13 and 14, reestablished by John H. Markham, Jr., Registered Professional Engineer No. 2880, in 1951, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 4 W., No. 73; this position was perpetuated by James W. Byron, Deputy County Surveyor, in 1963, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 4 W., No. 185, and is accepted as the corner; monumented with an iron post, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.</p>

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 4 W., Willamette Meridian, Oregon

CHAINS

COUNTY SURVEYORS OFFICE

T29S

1/4 R
S 14 | S 13 4
1963 W

from which the remains of a bearing tree mkd. by Markham

A sawed and rotted pine stump, size indeterminate, bears
N. $77\frac{3}{4}^{\circ}$ W., $9\frac{1}{2}$ lks. dist., with marks visible.

and bearing trees mkd. by Byron

A cedar, 9 ins. diam., bears S. $76\frac{1}{2}^{\circ}$ E., 64 lks. dist., with
fragmentary scribe marks visible on partially healed
blaze.

A cedar, 25 ins. diam., bears S. 25° W., $41\frac{1}{2}$ lks. dist.,
with healed blaze.

N. $0^{\circ} 53' 55''$ E., beginning new measurement.

Ascend over broken W. slope, through second growth timber and
dense undergrowth.

19.620

The N $1/16$ sec. cor. of secs. 13 and 14, established by Donald R.
Martin, Registered Professional Engineer No. 3900, in 1968,
recorded in the Douglas County Surveyors Office Map File M39-21,
and is accepted as the corner; monumented with an iron pipe, 1
inch diam., firmly set, projecting 18 ins. above ground, from
which the remains of bearing trees mkd. by Martin:

A fir stump, 17 ins. diam., bears N. $29\frac{1}{4}^{\circ}$ E., 57 lks. dist.,
no marks visible.

A cedar, 16 ins. diam., bears S. $50\frac{1}{2}^{\circ}$ W., 38 lks. dist.,
with scribe marks $1/16$ S14 BT visible on partially healed
blaze.

At the corner point

Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 25 ins.
in the ground, directly over the iron pipe, with brass cap mkd.

N $1/16$
S 14 | S 13
1995

from which a new bearing tree

A cedar, 11 ins. diam., bears N. $18\frac{3}{4}^{\circ}$ E., 19 lks. dist.,
mkd. N1/16 S13 BT.

From this point, the Bureau of Land Management Geodetic Control
Station No. EC411119, at latitude $43^{\circ} 03' 04.391''$ N., longitude
 $123^{\circ} 07' 52.304''$ W. (NAD 1927), determined by the NAVSTAR Global
Positioning System in 1991, bears N. $28^{\circ} 26' 54''$ E., 5.776 chs.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 4 W., Willamette Meridian, Oregon**

CHAINS											
19.582	<p>dist. (mean bearing and sea level dist.); monumented with an aluminum cap, 3¼ ins. diam., firmly set flush with the ground, with top mkd. EC41119 GPS 1991.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0° 58' 32" E., beginning new measurement.</p> <p>Ascend over broken W. slope, through second growth timber and dense undergrowth.</p> <p>The cor. of secs. 11, 12, 13, and 14,, monumented with an iron post, 2½ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd.</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 0 10px;">T29S</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;">R4W</td> </tr> <tr> <td style="padding: 0 10px;">S 11</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;">S 12</td> </tr> <tr> <td colspan="2" style="text-align: center; border-top: 1px solid black; border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="padding: 0 10px;">S 14</td> <td style="border-left: 1px solid black; border-right: 1px solid black; padding: 0 10px;">S 13</td> </tr> <tr> <td colspan="2" style="text-align: center;">1964</td> </tr> </table> <p>from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A rotted fir stump, size indeterminate, bears S. 13½° W., 15 lks. dist., no marks visible.</p> <p>and the remains of bearing trees mkd. by W. H. Woods, Deputy County Surveyor, in 1925, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 4 W., No. 43</p> <p style="padding-left: 40px;">A sawed fir stump, 42 ins. diam., bears N. 72° E., 23 lks. dist., no marks visible.</p> <p style="padding-left: 40px;">A cedar, 43 ins. diam., bears S. 42¼° E., 57 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A root hole, bears N. 8½° W., 34 lks. dist., with down fir alongside, 23 ins. diam., with healed blaze.</p> <p>and the remains of bearing trees mkd. by James W. Byron, Deputy County Surveyor, in 1962, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 4 W., No. 166</p> <p style="padding-left: 40px;">A fir, 17 ins. diam., bears N. 0½° E., 65 lks. dist., with healed double blaze.</p> <p style="padding-left: 40px;">A cedar, 20 ins. diam., bears N. 34½° W., 55 lks. dist., with healed blaze.</p> <p>and a bearing tree mkd. by Beck</p> <p style="padding-left: 40px;">A fir, 15 ins. diam., bears S. 53° E., 86 lks. dist., with healed blaze.</p> <p>and a new bearing tree</p> <p style="padding-left: 40px;">A fir, 8 ins. diam., bears S. 46½° W., 37½ lks. dist., mkd. T29S R4W S14 BT.</p> <hr style="width: 20%; margin: 10px auto;"/>	T29S	R4W	S 11	S 12			S 14	S 13	1964	
T29S	R4W										
S 11	S 12										
S 14	S 13										
1964											

Subdivision of Section 13,
T. 29 S., R. 4 W., Willamette Meridian, Oregon

CHAINS	<p>From the 1/4 sec. cor. of secs. 13 and 24, monumented with an iron post, 1½ ins. diam., firmly set, projecting 17 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T29S S 13 R4W 1/4 ——— S 24 1960</p> <p>from which bearing trees mkd. by James W. Byron, Deputy County Surveyor, in 1963, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 4 W., No. 170</p> <p style="padding-left: 40px;">A cedar, 17 ins. diam., bears S. 22¾° W., 74½ lks. dist., with healed double blaze.</p> <p style="padding-left: 40px;">A rotted fir snag, 14 ins. diam., bears N. 59° W., 41 lks. dist., no marks visible on rotted blaze.</p> <p>and a bearing tree mkd. by Roseberry and Jelley</p> <p style="padding-left: 40px;">A cedar, 44 ins. diam., bears N. 37° W., 95 lks. dist., with fragmentary scribe marks visible on partially healed blaze.</p> <p>The corner is located N., 0.023 chs. dist. from a fence corner, with woven wire fences extending S., W., and N. 40° E.</p> <p>N. 0° 54' 41" E., on the N. and S. center line of sec. 13.</p> <p>Ascend over broken gentle S. slope, through second growth timber and dense undergrowth.</p> <p>26.584 Point for the center S 1/16 sec. cor. of sec. 13.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 27 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">C S 1/16 S 13 C 1995</p> <p>from which</p> <p style="padding-left: 40px;">A cedar, 10 ins. diam., bears S. 25¾° W., 48 lks. dist., mkd. X BT.</p> <p style="padding-left: 40px;">A cedar, 9 ins. diam., bears N. 11¼° W., 5 lks. dist., mkd. CS1/16 S13 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located W., 1.15 chs. dist. from a graveled road, 20 lks. wide, bears N. and S.</p>
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Subdivision of Section 13,
T. 29 S., R. 4 W., Willamette Meridian, Oregon

CHAINS	
	Ascend over broken gentle S. slope.
29.15	Graveled road, 20 lks. wide, bears N. 30° W. and S. 30° E.
53.168	Point for the center 1/4 sec. cor. of sec. 13, at intersection with the E. and W. center line.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 27 ins. in the ground, with brass cap mkd.
	T29S R4W C 1/4 S 13 1995
	from which
	A cedar, 5 ins. diam., bears N. 21¾° E., 14½ lks. dist., mkd. X BT.
	A cedar, 8 ins. diam., bears N. 56¾° W., 31 lks. dist., mkd. C1/4 S13 BT.
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.
	Ascend over broken gentle SE. slope
56.00	Graveled road, 20 lks. wide, bears E. and S. 70° W.
77.145	The 1/4 sec. cor. of secs. 12 and 13, monumented with an iron post, 2½ ins. diam., firmly set, projecting 5 ins. above ground, with brass cap mkd.
	T29S R4W S 12 1/4 ----- S 13 1964
	from which the remains of bearing trees mkd. by Beck
	A root hole, bears North, 66 lks. dist., with down fir alongside, 33 ins. diam., with healed blaze.
	A fir, 24 ins. diam., bears S. 8¾° W., 20 lks. dist., with healed blaze.
	and a new bearing tree
	A cedar, 9 ins. diam., bears N. 22° W., 22 lks. dist., mkd. 1/4 S12 BT.
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	From the 1/4 sec. cor. of secs. 13 and 18, on the E. bdy. of the Tp., monumented with an iron post, 2½ ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.

Subdivision of Section 13,
T. 29 S., R. 4 W., Willamette Meridian, Oregon

CHAINS	
	<p style="text-align: center;">T29S 1/4 R4W R3W S 13 S 18 1964</p> <p>from which the remains of bearing trees mkd. by Beck</p> <p>A root hole, bears S. 4¼° E., 75 lks. dist., with down fir alongside, 24 ins. diam., no marks visible.</p> <p>A sawed fir stump, 26 ins. diam., bears N. 44° W., 49 lks. dist., with healed blaze.</p> <p>and a bearing tree mkd. by Bedell</p> <p>A fir, 6 ins. diam., bears N. 8° W., 34 lks. dist., with partially healed double blaze.</p> <p>and a new bearing tree</p> <p>A fir, 7 ins. diam., bears N. 85½° E., 31½ lks. dist., mkd. 1/4 S18 BT.</p> <p>S. 69° 40' 51" W., on the E. and W. center line of sec. 13.</p> <p>Ascend over broken SE. slope, changing to desc. SW. slope, through second growth timber and dense undergrowth.</p>
22.90	Graveled road, 20 lks. wide, bears N. 40° W. and S. 35° E.
26.378	The center 1/4 sec. cor. of sec. 13.
	Descend over broken SW. slope.
46.265	Point for the center W 1/16 sec. cor. of sec. 13.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	<p>W 1/16 C ----- C S 13 1995</p>
	<p>from which</p> <p>A cedar, 9 ins. diam., bears N. 81½° E., 25 lks. dist., mkd. CW1/16 S13 BT.</p> <p>A cedar, 5 ins. diam., bears N. 56½° W., 10 lks. dist., mkd. X BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located S., 1.05 chs. dist. from a graveled road, 20 lks. wide, bears N. 50° E. and S. 70° W.</p>

Subdivision of Section 13,
T. 29 S., R. 4 W., Willamette Meridian, Oregon

CHAINS	
	Descend over broken S. slope.
49.10	Graveled road, 20 lks. wide, bears N. 15° E. and S. 15° W.
57.40	Graveled road, 20 lks. wide, bears N. 20° W. and S. 30° E.
66.152	The 1/4 sec. cor. of secs. 13 and 14.
	<hr/> <p>From the W 1/16 sec. cor. of secs. 13 and 24, monumented with a fiberglass post, 2½ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>S 13 W 1/16 ——— S 24 1967</p> </div> <p>from which the remains of bearing trees mkd. by Roseberry</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears S. 56¼° W., 30½ lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A sawed fir stump, 21 ins. diam., bears N. 65° W., 27 lks. dist., no marks visible.</p> <p>and a new bearing tree</p> <p style="padding-left: 40px;">A fir, 17 ins. diam., bears N. 25½° E., 23½ lks. dist., mkd. W1/16 S13 BT.</p> <p>N. 1° 20' 30" E., on the N. and S. center line of the SW 1/4 of sec. 13.</p> <p>Ascend over broken SE. slope, through second growth timber and dense undergrowth.</p>
23.048	<p>Point for the SW 1/16 sec. cor. of sec. 13, at intersection with the E. and W. centerline of the SW 1/4.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>SW 1/16 S 13 1995</p> </div> <p>from which</p> <p style="padding-left: 40px;">A fir, 7 ins. diam., bears N. 25½° E., 42½ lks. dist., mkd. SW1/16 S13 BT.</p> <p style="padding-left: 40px;">A fir, 7 ins. diam., bears S. 77° W., 61 lks. dist., mkd. X BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>Ascend over broken SE. slope.</p>

Subdivision of Section 13,
T. 29 S., R. 4 W., Willamette Meridian, Oregon

CHAINS	
23.20	Dirt skid road, 15 lks. wide, bears N. 85° W. and S. 85° E.
46.031	The center W 1/16 sec. cor. of sec. 13.
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	From the center S 1/16 sec. cor. of sec. 13.
	S. 80° 01' 25" W., on the E. and W. center line of the SW 1/4 of sec. 13.
	Descend over broken W. slope, through second growth timber and dense undergrowth.
14.65	Creek, 3 lks. wide, course S. 20° W.; asc. over SE. slope.
19.054	The SW 1/16 sec. cor. of sec. 13.
	Ascend over broken SE. slope, changing to desc. over SW. slope.
38.160	The S 1/16 sec. cor. of secs. 13 and 14.
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	GENERAL DESCRIPTION
	The lands included in the foregoing survey are located in Douglas County approximately eight miles east of the town of Myrtle Creek, Oregon. The elevations range from 1100 feet above sea level to about 1800 feet above sea level.
	The area is drained southerly by numerous small and unnamed drainages, which flow into South Myrtle Creek. The soil consists of a clay loam. The lands are forested with fir, cedar, hemlock, yew, pine, alder, cherry, maple, oak, madrone, willow, ash, and chinquapin. Undergrowth consists of ferns, poison oak, arrowwood, hazel, Oregon grape, salal, huckleberry, blackberry, thimbleberry, salmonberry, gooseberry, currant, wild rose, rhododendron, and young timber.
	Access is gained via secondary roads branching from County Road No. 18.
	There were no mineral deposits noted along the lines surveyed. The land is used primarily for timber production.
	The average of readings in the area gives a value of 18° East for the mean magnetic declination, with a range of 1° ± due to local attraction.
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