

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

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF A  
PORTION OF THE SUBDIVISIONAL LINES,  
**TOWNSHIP 30 SOUTH, RANGE 2 WEST,**  
OF THE WILLAMETTE MERIDIAN,  
IN THE STATE OF OREGON.

**EXECUTED BY**

***Timothy J. Moore, Cadastral Surveyor***

***Robert H. Browning, Surveying Technician***

Under Special Instructions dated May 2, 2000, approved May 2, 2000,  
which provided for the surveys included under Group No. 1953,  
and assignment instructions dated May 25, 2000.

***Survey commenced June 29, 2000***

***Survey completed July 20, 2000***

**T. 30 S., R. 2 W., Willamette Meridian, Oregon**

FEET

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, township 30 south, range 2 west, of the Willamette Meridian, Oregon.

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

A portion of the subdivisional lines were surveyed by Dennis Hathorn, U.S. Deputy Surveyor, in 1857.

The subdivisional lines were completed by Fred Mensch, U.S. Deputy Surveyor, in 1909.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated May 2, 2000, for Group No. 1953, 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. 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. The Standard Error of Unit Weight (SEUW) for a least squares adjustment of the survey data was checked to assure a value between 0.7 and 2.5. In addition, a post-adjustment comparison of the final adjusted measurements was also checked to assure a ratio not exceeding 1:4000. The comparison was done in the CHECKER routine of CMM, and is reported as the Precision After Orientation Correction.

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. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Each new bearing tree has a 2½ inch X ¼ inch magnetic nail (Mag Nail) driven at the base right side-center, unless otherwise described in the corner description.

The geographic position (NAD 1983 (98)) of the cor. of secs. 16 and 21 only, as determined by a direct observation utilizing NAVSTAR Global Positioning System, dual frequency, carrier phase

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receivers, and National Geodetic Survey stations "DREW" and "AZALEA", is as follows:

Latitude: 42° 57' 37.852" N. Longitude: 122° 57' 43.596" W.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 30 S., R. 2 W., Willamette Meridian, Oregon**

(Restoring the survey by Fred Mensch, in 1909)

Beginning at the cor. of secs. 16 and 21 only, perpetuated by John M. Powell, Deputy County Surveyor, in 1968, further perpetuated by Howard W. Johnstone, Registered Professional Land Surveyor, No. 498, in 1984, and further perpetuated by Randall Smith, Deputy County Surveyor, in 1991, all recorded in the Douglas County Surveyors Office, corner renewal file, T. 30 S., R. 2 W., No. 300378, monumented with an iron pipe, 1½ in. diam., firmly set, projecting 8 ins. above ground (the original granite stone, 16 X 10 X 8 ins., with marks CC visible on a face, lying loose along the north side), with brass cap mkd.

COUNTY SURVEYORS OFFICE

T 30	S	R	2	W
	S			
	S			
	S			

from which the remains of the original bearing tree

A sawed, burnt, and decayed fir stump, diam. indeterminate, bears N. 21¼° E., 25.8 ft. dist., no marks visible, (Record, N. 25° E., 25.1 ft. dist.)

and the remains of bearing trees mkd. by Smith

A cedar, 10 ins. diam., bears N. 72½° E., 24.3 ft. dist., with a healed double blaze.

A sawed fir stump, 39 ins. diam., bears S. 84° E., 15.1 ft. dist., no marks visible, and a spike driven near the center, top stamped B01.

A sawed fir stump, 36 ins. diam., bears S. 30½° E., 20.5 ft. dist., no marks visible, and a spike driven near the center, top stamped B02.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 30 S., R. 2 W., Willamette Meridian, Oregon**

FEET	
	and a new bearing tree
	A fir, 6 ins. diam., bears N. $36\frac{3}{4}^{\circ}$ E., 5.9 ft. dist., mkd. X BT.
	N. $0^{\circ} 12' 22''$ W., on the W. bdy. of sec. 16.
	Ascend over SE. slope, through second growth timber and dense undergrowth.
35	Spur, slopes S. $80^{\circ}$ E.; desc. over NE. slope.
99.97	The cor. of secs. 17 and 20 only, perpetuated by John M. Powell, Deputy County Surveyor, in 1968, further perpetuated by Howard W. Johnstone, Registered Professional Land Surveyor, No. 498, in 1984, and further perpetuated by Randall Smith, Deputy County Surveyor, in 1991, all recorded in the Douglas County Surveyors Office, corner renewal file, T. 30 S., R. 2 W., No. 300400, monumented with an iron pipe, $1\frac{1}{2}$ in. diam., firmly set, projecting 11 ins. above ground, with brass cap mkd.
	COUNTY SURVEYORS OFFICE T 30 S R 2 W S 17   S 20   S 16 1968
	from which the remains of the original bearing trees
	A sawed fir stump, 25 ins. diam., bears S. $54^{\circ}$ W., 15.8 ft. dist., fragmentary scribe marks visible on partially opened blaze.
	A fir, 48 ins. diam., bears N. $35^{\circ}$ W., 33.7 ft. dist., with a healed blaze.
	and the remains of a bearing tree mkd. by Johnstone
	A fir trunk, 6 ins. diam., dead and down, mkd. S20SCBT, lying loose on the ground, root hole indeterminate.
	and the bearing trees mkd. by Smith
	A fir, 5 ins. diam., bears S. $75\frac{1}{4}^{\circ}$ W., 22.7 ft. dist., with a healed double blaze.
	A fir, 16 ins. diam., bears N. $76\frac{3}{4}^{\circ}$ W., 19.9 ft. dist., with a healed double blaze.
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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 30 S., R. 2 W., Willamette Meridian, Oregon**

FEET	
	N. 0° 22' 13" E., beginning new measurement.
	Descend over broken NE. slope, through second growth timber and dense undergrowth.
310	Creek, 1 ft. wide, course N. 65° E.; asc. over SE. slope.
1445	Spur, slopes S. 75° E.; desc. over NE. slope.
2245	Creek, 1 ft. wide, course S. 40° E.; asc. over SE. slope.
2545.70	The 1/4 sec. cor. of sec. 16 only, perpetuated by John M. Powell, Deputy County Surveyor, in 1968, recorded in the Douglas County Surveyors Office, corner renewal file, T. 30 S., R. 2 W., No. 300438, monumented with an iron pipe, 1¼ in. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd.
	COUNTY SURVEYORS OFFICE T 30 S R 2 W 1/4 S 16 1968
	from which the remains of the remaining original bearing tree
	A roothole, bears N. 81° E., 46.2 ft. dist., with a 10 ins. diam., decayed cedar trunk lying alongside, marks 6 visible.
	and bearing trees mkd. by Powell
	A cedar, 27 ins. diam., bears S. 66° E., 176.0 ft. dist., with a healed double blaze.
	A cedar, 22 ins. diam., bears S. 34¾° E., 140.5 ft. dist., with a healed double blaze.
	_____
	N. 0° 00' 45" E., beginning new measurement.
	Ascend over SE. slope, through second growth timber and dense undergrowth.
70	Dirt road, 15 ft. wide, bears N. 85° E. and N. 60° W.
98.73	Point for the 1/4 sec. cor. of sec. 17 only, at proportionate distance, there is no remaining evidence of the original cor.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 30 S., R. 2 W., Willamette Meridian, Oregon**

FEET	
	T 30 S R 2 W 1/4 S 17 2000
	from which
	A fir, 12 ins. diam., bears S. 50° W., 48.1 ft. dist., mkd. 1/4 S17 BT.
	A cedar, 9 ins. diam., bears N. 22½° W., 60.1 ft. dist., mkd. 1/4 S17 BT.
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	Ascend over SE. slope.
1275	Top of ascent, edge bears E. and W.; across nearly level slope.
1480	Dirt road, 15 ft. wide, bears N. 75° W. and S. 75° E.
2290	Dirt road, 15 ft. wide, bears N. 20° E. and S. 10° W.
2731.41	The cor. of secs. 16 and 17 only, recovered by John M. Powell, Deputy County Surveyor, in 1968, recorded in the Douglas County Surveyors Office, corner renewal file, T. 30 S., R. 2 W., No. 277500, monumented with the original basalt stone, 18 x 10 x 7 ins., firmly set projecting 2 ins. from the ground, 4 notches visible on the east face, alongside of which is an iron pipe, 1½ ins. diam., firmly set, projecting 13 ins. above ground, with brass cap mkd. COUNTY SURVEYORS OFFICE T30SR2W S8 S17 S16 1968. (The record indicates the iron post was set alongside the original stone monument and is not accepted as the cor. position and not utilized in the course of this survey.)
	from which the remains of an original bearing tree
	A roothole, bears S. 57° W., 25.7 ft. dist., with a badly decayed maple trunk alongside, size indeterminate, reverse scribe marks S visible.
	and bearing trees mkd. by Powell
	A cedar, 20 ins. diam., bears N. 67° E., 23.1 ft. dist., with a healed double blaze.
	A cedar, 16 ins. diam., bears S. 82¼° W., 48.8 ft. dist., with a healed double blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
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FEET

At the corner point.

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 19 ins. in the ground, with brass cap mkd.

T 30 S R 2 W  
S 8  
S 17 | S 16  
2000

Deposit a magnet in a white plastic case at the base of the stainless steel post. Invert and bury the original stone along the north side of the post.

At the request of the Douglas County Surveyors Office, the iron pipe is left in place and the brass cap removed.

From this point, the cor. of secs. 8 and 9 only, perpetuated by the John M. Powell, Deputy County Surveyor, in 1968, further perpetuated by Bruce A. Shaner, Registered Professional Land Surveyor, No. 430, in 1981, from original evidence no longer in existence, recorded in the Douglas County Surveyors Office, corner renewal file, T. 30 S., R. 2 W., No. 300500, and Map File No. RM3-35, bears N. 89° 38' 37" E., 114.96 ft. dist., monumented with an iron pipe, 1½ in. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE  
T 30 S R 2 W  
S 8 | S 9  
S 16  
1968

from which bearing trees mkd. by Powell

A fir, 25 ins. diam., bears N. 56° W., 64.4 ft. dist., with a healed blaze.

A fir, 23 ins. diam., bears S. 24½° W., 18.3 ft. dist., with a healed blaze.

and a bearing tree mkd. by Shaner

A fir, 22 ins. diam., bears N. 64¾° E., 20.9 ft. dist., with a healed blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
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FEET	
	Corner is located S., 0.60 ft. dist., of a woven wire fence, with fences extending N. and E.
	N. 89° 49' 32" W., on the S. bdy. of sec. 8.
	Descend over W. slope, through second growth timber and dense undergrowth.
125	Creek, 2 ft. wide, course N. 70° W.; asc. over NE. slope.
175	Spur, slopes N. 20° W.; desc. over NW. slope.
665	Creek, 1 ft. wide, course N. 50° W.; asc. over NE. slope.
895	Spur, slopes N. 30° W.; desc. over NW. slope.
1095	Creek, 1 ft. wide, course N. 30° E.; asc. over E. slope.
1470	Spur, slopes N. 30° W.; desc. over NW. slope.
2240	Creek, 3 ft. wide, course N. 35° W.; asc. over NE. slope.
2315	Spur, slopes N. 10° W.; desc. over W. slope.
2375	Creek, 2 ft. wide, course N. 5° W.; asc. over NE. slope.
2521.36	The 1/4 sec. cor. of sec. 8 only, perpetuated by John M. Powell, Deputy County Surveyor, in 1968, further perpetuated by Bruce A. Shaner, Registered Professional Land Surveyor, No. 430, in 1981, recorded in the Douglas County Surveyors Office, corner renewal file, T. 30 S., R. 2 W., No. 240500, and Map File No. RM3-35, monumented with an iron pipe, 1½ in. diam., firmly set, projecting 18 ins. above the ground (the original slate stone, 12 X 8 X 6 ins., with marks 4 visible is lying loose along side), with brass cap mkd.
	COUNTY SURVEYORS OFFICE S 8 1/4 1968
	from which the remains of the original bearing trees
	A decayed maple, 12 ins. diam., bears N. 40° E., 29.0 ft. dist., no marks visible.
	A sawed and decayed fir stump, 40 ins. diam., bears N. 41½° W., 21.8 ft. dist., scribe marks B visible on partially opened blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 30 S., R. 2 W., Willamette Meridian, Oregon**

FEET	
	<p>and the remaining bearing tree mkd. by Powell</p> <p style="padding-left: 40px;">A hemlock, 15 ins. diam., bears N. <math>2\frac{3}{4}^{\circ}</math> W., 24.2 ft. dist., with a healed double blaze.</p> <p>and a bearing tree mkd. by Shaner</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears S. <math>69\frac{1}{4}^{\circ}</math> W., 21.3 ft. dist., with a healed blaze.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. <math>89^{\circ} 58' 36''</math> W., beginning new measurement.</p> <p>Ascend over NE. slope.</p>
115.49	<p>The 1/4 sec. cor. of sec. 17 only, perpetuated by John M. Powell, Deputy County Surveyor, in 1968, recorded in the Douglas County Surveyors Office, corner renewal file, T. 30 S., R. 2 W., No. 238500, monumented with an iron pipe, <math>1\frac{1}{2}</math> in. diam., firmly set, projecting 14 ins. above ground (the original slate stone, 12 X 8 X 6 ins., (record, 12 x 7 x 7 ins.,) with marks 1/4 visible, is lying loose alongside), with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE 1/4 S 17 1968</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A cedar, 36 ins. diam., bears S. <math>49\frac{1}{2}^{\circ}</math> E., 23.8 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A fir, 54 ins. diam., bears S. <math>67^{\circ}</math> W., 19.8 ft. dist., with a healed blaze.</p> <hr style="width: 60%; margin: 10px auto;"/>

## T. 30 S., R. 2 W., Willamette Meridian, Oregon

FEET	
	<p data-bbox="769 289 1073 315" style="text-align: center;"><b>GENERAL DESCRIPTION</b></p> <p data-bbox="407 352 1433 537">The lands in the foregoing field notes are located in mountainous country approximately 3 miles northwesterly of Tiller, Oregon. The elevations range from approximately 2170 feet above sea level near the north 1/4 sec. cor. of sec. 17 only, to about 2850 feet above sea level near the east 1/4 sec. cor. of sec. 17 only.</p> <p data-bbox="407 575 1433 730">The area is drained by Ruby Creek, with numerous other small and seasonal drainages throughout. The timber consists of fir, cedar, hemlock, alder, maple, oak, chinquapin, pine, ash, yew, and madrone. The undergrowth is mainly Sala, Oregon grape, manzanita, arrowwood, poison oak, vine maple, ferns, and young timber.</p> <p data-bbox="407 768 1433 856">Access is gained via Interstate Route No. 5, and County Route No. 1, with numerous gravelled and dirt roads branching from them into the area.</p> <p data-bbox="407 894 1433 953">No mineral deposits were noted along the lines resurveyed. The lands are used primarily for timber production.</p> <p data-bbox="407 991 1433 1079">The mean magnetic declination, as noted from the U.S. Geological Survey 7½ minute series quadrangle map "TILLER, OREGON", 1989 provisional edition, is 18° East.</p>