

CHAINS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY
AND
THE SUBDIVISION OF SECTION 5,
TOWNSHIP 24 SOUTH, RANGE 3 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 July 12, 1994,
and approved July 13, 1994,
which provided for the surveys included under Group No. 1739,
and Assignment Instructions dated July 20, 1994.

Survey commenced July 26, 1994
Survey completed October 18, 1994

T. 24 S., R. 3 W., Willamette Meridian, Oregon

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The following field notes are those of the dependent resurvey of a portion of the north boundary and subdivision of section 5, township 24 south, range 3 west, Willamette Meridian, Oregon.

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

The south boundary of T. 23 S., R. 3 W. was surveyed by James P. Currin, U.S. Deputy Surveyor, in 1882.

A portion of the subdivisional lines was surveyed by Laban H. Wheeler, U.S. Deputy Surveyor, in 1883.

Portions of the north boundary, the west boundary, and a portion of the subdivisional lines were resurveyed by Norman D. Price, Cadastral Engineer, in 1950.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated July 12, 1994, for Group No. 1739, 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. Identified corners were remonumented in their original positions. 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 1/4 section corner of sections 5 and 8, as determined from a direct tie to Geodetic Control Station No. EC41230, established by the Bureau of Land Management, is as follows:

Latitude: 43° 30' 13.58" N. Longitude: 123° 04' 40.78" W.

The mean magnetic declination is 16½° East.

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	<p>(Restoring the survey by James P. Currin, in 1882, and the resurvey by Norman D. Price, in 1950)</p> <hr style="width: 20%; margin: auto;"/>												
	<p>Beginning at the cor. of secs. 4, 5, 32, and 33, monumented with an iron post, 2 ins. diam., firmly set, projecting 16 ins. above ground, with brass cap mkd.</p>												
	<table style="margin: auto;"> <tr> <td>T23S</td> <td>R3W</td> </tr> <tr> <td>S32</td> <td> S33</td> </tr> <tr> <td colspan="2">-----</td> </tr> <tr> <td>S5</td> <td> S4</td> </tr> <tr> <td colspan="2" style="text-align: center;">T24S</td> </tr> <tr> <td colspan="2" style="text-align: center;">1950</td> </tr> </table>	T23S	R3W	S32	S33	-----		S5	S4	T24S		1950	
T23S	R3W												
S32	S33												

S5	S4												
T24S													
1950													
	<p>from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A sawed fir stump, 55 ins. diam., bears S. 5° W., 8 lks. dist., with no marks visible.</p> <p>and the remains of bearing trees mkd. by Price</p> <p style="padding-left: 40px;">A hemlock, 28 ins. diam., bears N. 53¼° E., 27½ lks. dist., with healed blaze. (Record, 30 lks.)</p> <p style="padding-left: 40px;">A hemlock, 20 ins. diam., bears S. 18¼° E., 31 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A sawed yew stump, 19 ins. diam., bears N. 49½° W., 97 lks. dist., with scribe marks T23S R3W S32 B visible on partially healed blaze.</p> <p>and the remains of bearing trees mkd. by Vernon Ray Tracy, Deputy County Surveyor, in 1967, recorded in the Douglas County Surveyors Office, corner renewal file T. 24 S., R. 3 W., No. 66, and CS file No. 54/16</p> <p style="padding-left: 40px;">A hemlock, 19 ins. diam., bears S. 37½° W., 28 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A maple snag, 9 ins. diam., bears N. 33¾° W., 18 lks. dist., with scribe marks T23S R3W S32 CS BT visible on open double blaze.</p> <p>and a new bearing tree</p> <p style="padding-left: 40px;">A hemlock, 7 ins. diam., bears N. 51¼° W., 18 lks. dist., mkd. T23S R3W S32 BT.</p> <p>S. 89° 31' 38" W., bet. secs. 5 and 32.</p> <p>Ascend over broken NE. slope, through second growth timber and dense undergrowth.</p>												
7.45	Graveled road, 30 lks. wide, bears N. 10° E. and S. 10° W.												
20.157	The E 1/16 sec. cor. of secs. 5 and 32, established by Marion D. Hale, Registered Land Surveyor No. 243, in 1960, recorded in the Douglas County Surveyors Office, CS File No. 42/323, and is												

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	<p>accepted as the corner; monumented with an iron pipe, ½ in. diam., firmly set, projecting 4 ins. above ground, from which the remains of trees referenced by Hale:</p> <p style="padding-left: 40px;">A sawed fir stump, 43 ins. diam., bears S. 29¼° E., 112 lks. dist., with "W" nail driven in at base.</p> <p style="padding-left: 40px;">A root hole, bears N. 88½° W., 101 lks. dist., with down and rotting fir alongside, size indeterminable.</p> <p>and a tree referenced by person(s) unknown</p> <p style="padding-left: 40px;">A hemlock, 30 ins. diam., bears N. 85 3/4° W., 92 lks. dist., with Weyerhaeuser BT tag.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">S32 E1/16 ----- S5 1994</p> <p>from which new bearing trees</p> <p style="padding-left: 40px;">A hemlock, 10 ins. diam., bears S. 17¼° E., 8 lks. dist., mkd. E1/16 S5 BT.</p> <p style="padding-left: 40px;">A hemlock, 15 ins. diam., bears N. 63 3/4° W., 10 lks. dist., mkd. E1/16 S32 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base and iron pipe inside the stainless steel post.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>S. 89° 29' 37" W., beginning new measurement.</p> <p>Ascend over broken NE. slope.</p> <p>9.85 Spur, slopes N. 15° E.; desc. over NW. slope.</p> <p>16.45 Ravine, drains N. 20° E.; asc. over NE. slope.</p> <p>20.138 The 1/4 sec. cor. of secs. 5 and 32, monumented with an iron post, 1 in. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">S32 1/4 ----- S5 1950</p> <p>from which the remains of bearing trees mkd. by Price</p> <p style="padding-left: 40px;">A sawed fir stump, 53 ins. diam., bears N. 29 3/4° E., 27 lks. dist., with scribe marks 1/4 S32 visible on opened blaze.</p>

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A sawed fir stump, 45 ins. diam., bears S. 1° W., 131 lks. dist., with scribe marks 1/4 S5 visible on opened blaze.

and the remains of trees referenced by person(s) unknown

A sawed fir stump, 54 ins. diam., bears N. 26¼° W., 48 lks. dist., with "W" nail driven in at base.

A sawed fir stump, 53 ins. diam., bears S. 14 3/4° E., 52 lks. dist., with "W" nail driven in at base.

and new bearing trees

A fir, 20 ins. diam., bears N. 2½° E., 3 lks. dist., mkd. 1/4 S32 BT.

A fir, 15 ins. diam., bears S. 58½° E., 24 lks. dist., mkd. 1/4 S5 BT.

**Subdivision of Section 5,
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From the 1/4 sec. cor. of secs. 5 and 8, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.

S5
1/4 ---
S8
1950

from which the remains of bearing trees mkd. by Price

A sawed cedar stump, 24 ins. diam., bears S. 39° E., 28 lks. dist., with scribe marks S8 visible on partially healed blaze.

A fir, 25 ins. diam., bears N. 49¼° W., 32 lks. dist., with healed blaze.

and the remains of a tree referenced by Glen McChesney for Weyerhaeuser Co. in 1977, recorded in the Douglas County Surveyors Office, corner renewal file T. 24 S., R. 3 W., No. 84

A sawed fir stump, 40 ins. diam., bears N. 33½° E., 29 lks. dist., with no marks visible.

and a new bearing tree

A hemlock, 7 ins. diam., bears S. 74° E., 25½ lks. dist., mkd. 1/4 S8 BT.

From this point, the Bureau of Land Management, Geodetic Control Station EC41230, at latitude 43° 29' 53.088" N., longitude 123° 04' 35.951" W. (NAD 1927), determined by the NAVSTAR Global Positioning System, bears S. 9° 44' 36" E., 31.897 chs. dist.,

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	(mean bearing and sea level distance), monumented with an aluminum cap, 3¼ ins. diam., firmly set, projecting 1 in. above ground, with top mkd. EC41230 GPS 1994.
	N. 4° 18' 50" E., on the N. and S. centerline of sec. 5.
	Ascend over broken SW. slope, changing to a broken S. slope, through timber and dense undergrowth.
17.80	Graveled road, 20 lks. wide, bears N. 60° W. and S. 70° E.
39.494	The center 1/4 sec. cor. of sec. 5, established by Marion D. Hale, Registered Land Surveyor No. 243, in 1960, recorded in the Douglas County Surveyors Office, corner renewal file T. 24 S., R. 3 W., No. 22, and CS File No. 42/323, and is accepted as the corner; monumented with a drill steel, 7/8 in. diam., firmly set, projecting 3 ins. above ground, from which the remains of trees referenced by Hale: <p style="margin-left: 40px;">A root hole, bears S. 73½° E., 36 lks. dist., with down and rotted fir trunk alongside, size indeterminable, with "W" nail driven in at base.</p> <p style="margin-left: 40px;">A sawed fir stump, 48 ins. diam., bears N. 42 3/4° W., 45 lks. dist., with "W" nail driven in at base.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T24S R3W C1/4 S5 1994</p> <p>from which new bearing trees</p> <p style="margin-left: 40px;">A hemlock, 17 ins. diam., bears S. 38½° E., 8 lks. dist., mkd. X BT.</p> <p style="margin-left: 40px;">A hemlock, 15 ins. diam., bears S. 57½° W., 12 lks. dist., mkd. C1/4 S5 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base and drill steel inside the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 4° 20' 39" E., beginning new measurement.</p> <p>Ascend over SE. slope.</p>
13.75	Dirt road, 20 lks. wide, bears N. 85° E. and S. 85° W.
26.95	Spur, slopes S. 70° E.; desc. over NE. slope.
28.75	Dirt road, 20 lks. wide, bears N. 70° W. and S. 80° E.
40.650	The 1/4 sec. cor. of secs. 5 and 32, on the N. bdy. of the Tp.

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	<p>From the 1/4 sec. cor. of secs. 4 and 5, perpetuated by Vernon Ray Tracy, Deputy County Surveyor, in 1967, recorded in the Douglas County Surveyors Office, corner renewal file T. 24 S., R. 3 W., No. 63, further perpetuated by Gary L. Langlitz, Deputy County Surveyor, in 1974, recorded in the Douglas County Surveyors Office, corner renewal file T. 24 S., R. 3 W., No. 78; monumented with an iron post, 1½ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T24S 1/4 S5 S4 R3W 1974 1967</p> <p>from which the remains of a bearing tree mkd. by Price</p> <p style="padding-left: 40px;">A sawed and rotted hemlock stump, size indeterminable, bears N. 72 3/4° E., 76 lks. dist., with scribe marks 1/4 S visible on rotted blaze. (Record, N. 75¼° E.)</p> <p>and the remains of a bearing tree mkd. by Tracy</p> <p style="padding-left: 40px;">A sawed hemlock stump, 10 ins. diam., bears S. 26½° W., 74 lks. dist., with scribe marks 1/4 S5 CS BT visible on open blaze.</p> <p>and new bearing trees</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears N. 28 3/4° E., 11 lks. dist., mkd. 1/4 S4 BT.</p> <p style="padding-left: 40px;">A fir, 12 ins. diam., bears S. 70¼° W., 13½ lks. dist., mkd. 1/4 S5 BT.</p> <p>S. 89° 42' 15" W., on the E. and W. centerline of sec. 5.</p> <p>Ascend over broken E. slope, through second growth timber and dense undergrowth.</p>
5.00	Spur, slopes S.; desc. over SW. slope.
9.10	Ravine, drains S. 30° W.; asc. over S. slope.
13.40	Graveled road, 30 lks. wide, bears N. 10° E. and S. 10° W.
19.751	Point for the center E 1/16 sec. cor. of sec. 5.
	<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;">E 1/16 C ----- C S5 1994</p> <p>from which</p>

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	<p>A fir, 6 ins. diam., bears S. 44½° E., 15½ lks. dist., mkd. CE1/16 S5 BT.</p> <p>A fir, 9 ins. diam., bears S. 47½° W., 18 lks. dist., mkd. CE1/16 S5 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>Ascend over S. slope.</p>
27.00	Graveled road, 30 lks. wide, bears N. 10° E. and S. 10° W.
39.502	The center 1/4 sec. cor. of sec. 5.

	S. 89° 36' 43" W., beginning new measurement.
	Ascend over SE. slope.
2.95	Spur, slopes S. 5° W.; desc. over SW. slope.
12.40	Bottom of descent, slopes S.; asc. over SE. slope.
14.95	Spur, slopes S. 15° W.; desc. over SW. slope.
15.40	Graveled road, 20 lks. wide, bears N. 15° E. and S. 15° W.
17.95	Graveled road, 30 lks. wide, bears N. 25° W. and S. 25° E.
25.80	Creek, 5 lks. wide, course S. 40° E.; asc. over SE. slope.
35.95	Spur, slopes S. 20° W.; desc. over SW. slope.
39.580	<p>The 1/4 sec. cor. of secs. 5 and 6, determined at record bearing and distance from the bearing trees mkd. by Price, after a thorough search was made for Price's iron post, from which the remains of bearing trees mkd by Price:</p> <p>A fir, 20 ins. diam., bears N. 77¼° E., 8 lks. dist., with healed blaze.</p> <p>A sawed fir stump, 11 ins. diam., bears N. 32° W., 33 lks. dist., with scribe marks BT visible on opened blaze.</p> <p>and a tree referenced by person(s) unknown and used by Donald L. Peel, Registered Land Surveyor No. 752, in 1979, recorded in the Douglas County Surveyors Office, map file No. M80-57</p> <p>A fir, 14 ins. diam., bears S. 32 3/4° E., 26 lks. dist., with chaining notch at base of tree.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

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	T24S R3W 1/4 S6 S5 1994
	<hr/> From the center E 1/16 sec. cor. of sec. 5. N. 4° 52' 50" E., on the N. and S. centerline of the NE 1/4 of sec. 5. Ascend over SE. slope, through second growth timber and dense undergrowth.
1.95	Graveled road, 30 lks. wide, bears N. 65° E. and S. 65° W.
14.25	Spur, slopes N. 60° E.; desc. over NE. slope.
31.55	Dry creek bed, 5 lks. wide, course N. 60° E.; cross broken E. slope.
33.60	Creek, 1 lk. wide, course E.; asc. over SE. slope.
37.35	Spur, slopes N. 70° E.; desc. over N. slope.
40.757	The E 1/16 sec. cor. of secs. 5 and 32, on the N. bdy of the Tp.
	<hr/> GENERAL DESCRIPTION
	<p>The lands included in the foregoing resurvey are located in Douglas County approximately 13 miles easterly of Sutherlin, Oregon. The elevation ranges from 1400 feet above sea level near the 1/4 section corner of sections 5 and 8, to about 2300 feet above sea level near the 1/4 section corner of sections 5 and 32.</p> <p>The area is drained by Calapooya Creek and Coon Creek with numerous small and seasonal drainage flowing into them. The soil consists of a clay loam. The lands are forested with fir, cedar, spruce, yew, pine, hemlock, cherry, maple, oak, madrone, willow, ash, and chinquapin. Undergrowth consists of ferns, arrowwood, hazel, Oregon grape, salal, huckleberry, blackberry, thimbleberry, salmonberry, gooseberry, currant, wild rose, rhododendron, manzanita, and young timber.</p> <p>Access is gained via Nonpareil Road (County Road No. 19), with numerous graveled and dirt roads branching from it into the area.</p> <p>There were no mineral deposits noted along the lines resurveyed. The land is used primarily for timber production.</p> <p>The observed mean magnetic declination is 16½° East, with a range of 1° due to local attraction.</p> <hr/>