

CHAINS

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,

TOWNSHIP 21 SOUTH, RANGE 9 WEST,

OF THE WILLAMETTE MERIDIAN,

IN THE STATE OF OREGON.

EXECUTED BY

Boyd W. Peterson, Cadastral Surveyor

Under Special Instructions dated May 19, 1994, approved May 23, 1994,
which provided for the surveys included under Group No. 1735,
and Assignment Instructions dated June 1, 1994.

Survey commenced June 1, 1994***Survey completed March 1, 1995***

T. 21 S., R. 9 W., Willamette Meridian, Oregon

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The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, township 21 south, range 9 west, Willamette Meridian, Oregon.

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

The south boundary and a portion of the subdivisional lines were surveyed by Alonzo Gesner, U.S. Deputy Surveyor, in 1894.

A portion of the subdivisional lines of T. 22 S., R. 9 W., was surveyed by Elmer O. Worrick, U.S. Deputy Surveyor, in 1895.

A portion of the subdivisional lines was resurveyed by Peter A. Peterson, Cadastral Surveyor, in 1966-67.

Section 22 was subdivided by John A. Farmer, Cadastral Surveyor, in 1987.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated May 19, 1994, for Group No. 1735, 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 to exceed 1:4000 in error. Measured distance and direction have been adjusted by the 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. 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.

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.

T. 21 S., R. 9 W., Willamette Meridian, Oregon

<p>CHAINS</p>	<p>The geographic position (NAD 1927) of the one-quarter section corner of sections 23 and 24, as determined from a tie to Geodetic Control Station EC 41228 established by the Control Unit, Oregon State Office, Bureau of Land Management, in 1994, is as follows:</p> <p align="center">Latitude: 43° 43' 43.16" N. Longitude: 123° 43' 27.24" W.</p> <p align="center">The mean magnetic declination is 18° East.</p>
	<p align="center">Dependent Resurvey of a Portion of the Subdivisional Lines, T. 21 S., R. 9 W., Willamette Meridian, Oregon</p> <hr/> <p align="center">(Restoring the survey by Alonzo Gesner in 1894)</p> <hr/> <p>Beginning at the 1/4 sec. cor. of secs. 24 and 25, determined at record bearing and distance from the remains of original bearing trees:</p> <p align="center">A decayed fir stump, 33 ins. diam., bears N. 23¼° E., 54 lks. dist., with axe marks visible.</p> <p align="center">A decayed fir stump, 13 ins. diam., bears S. 42° E., 12 lks. dist., with scribe marks BT visible on opened blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p align="center">T21S R9W S 24 1/4 ----- S 25 1994</p> <p>and new bearing trees</p> <p align="center">A fir, 14 ins. diam., bears N. 35° E., 21½ lks. dist., mkd. 1/4 S24 BT.</p> <p align="center">A fir, 16 ins. diam., bears S. 66¾° E., 66½ lks. dist., mkd. 1/4 S 25 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>N. 86° 35' 51" W., bet. secs. 24 and 25.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS	<p>Descend over broken SW. slope through moderate timber and moderate undergrowth.</p> <p>7.70 Creek, 2 lks. wide, course SE.; asc. over E. slope.</p> <p>8.75 Creek, 2 lks. wide, course SW.; asc. over NE. slope.</p> <p>39.191 Point for the cor. of secs. 23, 24, 25 and 26, at proportionate distance; there is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> T21S R9W S 23 * S 24 ----- S 26 * S 25 1994 </div> <p>from which</p> <p style="margin-left: 40px;">A fir, 10 ins. diam., bears N. 82½° E., 84½ lks. dist., mkd. T21S R9W S24 BT.</p> <p style="margin-left: 40px;">A fir, 16 ins. diam., bears S. 55½° E., 74 lks. dist., mkd. T21S R9W S25 BT.</p> <p style="margin-left: 40px;">A fir, 19 ins. diam., bears S. 48° W., 20 lks. dist., mkd. T21S R9W S26 BT.</p> <p style="margin-left: 40px;">A fir, 16 ins. diam., bears N. 62½° W., 9 lks. dist., mkd. T21S R9W S23 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, the cor. of secs. 35 and 36 only on the S. bdy. of the Tp., perpetuated by person(s) unknown, recorded by Daily, Adams, Mintor and Counts in 1951, for International Paper Co., and recorded at International Paper, Reedsport, Oregon, in Line book page 21, bears S. 0° 22' 09" E., 157.066 chs. dist.; monumented with an iron pipe, ½ in. diam., firmly set 3 ins. below surface of the ground, from which the remains of an original bearing tree mkd. by Gesner, reported obliterated by Worrick, recovered by Daily, Adams, Mintor, and Counts:</p> <p style="margin-left: 40px;">A fir stump, 34 ins. diam., bears S. 44° E., 47 lks. dist., with scribe marks S / 9W S1 BT visible on open blaze.</p> <p>At the corner point</p>
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Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 9 W., Willamette Meridian, Oregon

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21S R9W S35 * S36 ----- S 1 T22S R9W 1994</p> <p>and new bearing trees</p> <p style="padding-left: 40px;">A fir, 5 ins. diam., bears N. 16° E., 26½ lks. dist., mkd. T21S R9W S36 BT.</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears N. 56¼° W., 22½ lks. dist., mkd. T21S R9W S35 BT.</p> <p>Deposit iron pipe and white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr/> <p>N. 0° 03' 37" W., bet. secs. 23 and 24.</p> <p>Ascend over SE. slope, through moderate timber and moderate undergrowth.</p> <p>5.45 Top of ascent, slopes N. 30° E.; desc. over NW. slope.</p> <p>11.30 Dirt road, 20 lks. wide, bears N. 5° E. and S. 10° W.</p> <p>17.70 Creek, 2 lks. wide, course N. 85° W.; asc. over SW. slope.</p> <p>37.50 Spur, slopes N. 70° W.; desc. over broken NW. slope.</p> <p>39.266 The 1/4 sec. cor. of secs. 23 and 24, determined at record bearing and distance from the remains of an original bearing tree:</p> <p style="padding-left: 40px;">A roothole, bears N. 35° E., 9 lks. dist., with a down fir alongside, 15 ins. diam., with scribe marks BT visible on open blaze.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.</p> <p style="text-align: center;">T21S R9W 1/4 S 23 * S 24 1994</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS	
	<p>from which</p> <p style="padding-left: 40px;">A fir, 7 ins. diam., bears S. 70° E., 7 lks. dist., mkd. 1/4 S24 BT.</p> <p style="padding-left: 40px;">A fir, 6 ins. diam., bears N. 23° W., 7½ lks. dist., mkd. X BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, control station No. 41228 established by the Control Survey Unit of the Oregon State Office, Bureau of Land Management, in 1994, at latitude 43° 45' 01.751" N. and longitude 123° 46' 48.183" W., bears N. 61° 39' 20" W., 253.971 chs. dist. (mean bearing and sea level distance); monumented with an aluminum cap, 3¾ ins. diam., firmly set flush with the ground, mkd. EC 41228-GPS-1994.</p> <hr style="width: 30%; margin: 20px auto;"/> <p>N. 2° 30' 42" E., beginning new measurement.</p> <p>Continue descent over broken NW. slope.</p>
11.15	Creek, 1 lk. wide, course N. 75° W.; asc. over SW. slope.
17.05	Spur, slopes N. 75° W.; desc. over NW. slope.
20.55	Ravine, drains S. 70° W.; asc. over SW. slope.
27.50	Spur, slopes W.; desc. over NW. slope.
32.00	Creek, 4 lks. wide, course S. 60° W.; asc. over SW. slope.
35.70	Spur, slopes W.; desc. over NW. slope.
37.492	<p>The cor. of secs. 13, 14, 23 and 24, monumented with an iron post, 2½ ins. diam, firmly set, projecting 1 in. above ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T21S R9W</p> <p>S 14 * S 13</p> <p>-----</p> <p>S 23 * S 24</p> <p>1966</p> </div> <p>from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A sawed fir stump, 54 ins. diam., bears N. 55° W., 29 lks. dist., with axe marks visible on decayed open blaze.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS	
	and bearing trees by Peterson
	A fir, 14 ins. diam., bears N. 80° E., 66 lks. dist., with healed blaze.
	A fir, 13 ins. diam., bears S. 40½° E., 17 lks. dist., with healed blaze.
	An alder, 15 ins. diam., bears S. 66° W., 39 lks. dist., with scribe marks T21S R9W S2 visible in the bark.
	A fir, 14 ins. diam., bears N. 17½° W., 131 lks. dist., with healed blaze.
	<hr/>
	From the cor. of secs. 23, 24, 25 and 26.
	N. 89° 55' 49" W., bet. secs. 23 and 26.
	Ascend over SE. slope, through moderate timber and moderate undergrowth.
0.75	Spur, slopes S. 5° W.; desc. over SW. slope.
9.15	Ravine, drains S.; asc. over SE. slope.
16.10	Ridge, bears N. 30° E. and S. 40° W., also dirt road bears same; desc. over NW. slope.
24.05	Ravine, drains N.; asc. over NE. slope.
26.95	Spur, slopes N. 30° E.; desc. over NW. slope.
38.60	Creek, 2 lks. wide, course N. 10° W.; asc. over NE. slope.
39.277	Point for the 1/4 sec. cor. of secs. 23 and 26, at proportionate distance; there is no remaining evidence of the original corner.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T21S R9W S 23 1/4 ----- S 26 1994
	from which
	A fir, 16 ins. diam., bears S. 7½° W., 56 lks. dist., mkd. ¼ S26 BT.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS	
	<p style="text-align: center;">A fir, 13 ins. diam., bears N. 35° W., 21 lks. dist., mkd. ¼ S23 BT.</p>
	<p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p>
42.40	Spur, slopes N. 25° E.; continue ascending NE. slope.
46.45	Spur, slopes N. 10° E.; desc. over NW. slope.
49.20	Ravine, drains N. 15° E.; asc. over NE. slope.
50.30	Spur, slopes N.; desc. over NW. slope.
52.00	Ravine, drains N. 10° E.; asc. over NE. slope.
57.05	Ridge, bears N. and S.; desc. over NW. slope.
65.30	Ravine, drains N. 10° W.; asc. over NE. slope.
72.70	Ridge, bears N. 20° W. and S. 20° E.; desc. over SW. slope.
78.544	<p>The cor. of sec. 22, 23, 26 and 27, remonumented by Leslie D. Roberts, Registered Land Surveyor No. 1039, in 1981, recorded in the Douglas County Courthouse, Plat File No. M89-74; monumented with an iron pipe, 1½ ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">PLS 1039 S 22 * S 23 T21S ----- R9W S 27 * S 26 1981</p> <p>from which an original bearing tree</p> <p style="text-align: center;">A fir, 53 ins. diam., bears S. 41½° W., 47 lks. dist., with healed blaze.</p> <p>and trees mkd. by Roberts</p> <p style="text-align: center;">An alder, 17 ins. diam., bears N. 55¼° E., 32 lks. dist., with scribe marks SW S23 BT visible on bark.</p> <p style="text-align: center;">A fir, 23 ins. diam., bears S. 33° E., 142½ lks. dist., with healed blaze.</p> <p>and a new bearing tree</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS	
	<p style="text-align: center;">A chittum, 6 ins. diam., bears N. $26\frac{3}{4}^{\circ}$ W., $27\frac{1}{2}$ lks. dist., mkd. T21S R9W S22 BT in the bark.</p> <hr/> <p>N. $0^{\circ} 36' 55''$ W., bet. secs. 22 and 23.</p> <p>Ascend over SW. slope, through moderate timber and moderate undergrowth.</p>
3.20	Spur, slopes N. 40° W.; desc. over NE. slope.
7.40	Creek, 1 lk. wide, course N. 50° W.; asc. over SW. slope.
14.00	Spur, slopes N. 40° W.; desc. over NW. slope.
29.30	Ravine, drains N. 25° W.; asc. over SW. slope.
31.75	Spur, slopes N. 50° W.; desc. over NE. slope.
33.20	Creek, 15 lks. wide, course S. 35° W.; asc. over SE. slope.
34.85	Remains of a dirt road, 15 lks. wide, bears N. 70° E. and S. 80° W.
38.336	<p>The $\frac{1}{4}$ sec. cor. of secs. 22 and 23, monumented with the original corner tree, a fir, 28 ins. diam., with healed blaze on the W. side, from which bearing trees by Peterson:</p> <p style="padding-left: 40px;">A fir, 9 ins. diam., bears S. 67° E., 30 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A fir, 17 ins. diam., bears S. 75° W., 35 lks. dist., with healed blaze.</p> <p>and local corner reported by Peterson</p> <p style="padding-left: 40px;">An iron pipe, 2 ins. diam., firmly set, projecting 18 ins. above ground, with steel cap mkd. $\frac{1}{4}$ S22 S23, bears South, 3 lks. dist.</p> <p>and a reference monument by Farmer</p> <p style="padding-left: 40px;">A stainless steel post, $2\frac{1}{2}$ ins. diam., firmly set, projecting 6 ins. above ground, bears N. $40\frac{1}{2}^{\circ}$ E., 15 lks. dist., with brass cap mkd. RM $\frac{1}{4}$ S23 1987, and an arrow pointing to the true corner point.</p> <hr/>

T. 21 S., R. 9 W., Willamette Meridian, Oregon

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GENERAL DESCRIPTION

The lands included in the foregoing survey are located in Douglas County, Oregon. Section 23 is located approximately six miles northeasterly of the town of Scottsburg. This area is drained by Vincent Creek which runs through the center of section 23 and drains into the West Fork of Smith River.

Access into the area is by way of Smith River County Road, Vincent Creek Road, and Weatherly Creek County Road. The soil is clay loam and rocky clay. The area is forested with fir, hemlock, cedar, alder, maple, myrtle, and madrone. The undergrowth consists of vine maple, salal, salmonberry, huckleberry, Oregon grape, rhododendron, and fern.

The area is mountainous with elevations ranging from about 560 feet above sea level near the 1/4 section corner of sections 22 and 23, to 1400 feet above sea level near the southeast section corner of section 23. No evidence of mineral deposits was noted in the area.

The mean magnetic declination is 18° East, as shown on the 7½ minute United States Geological Survey quadrangle map "DEVILS GRAVEYARD, OREGON," Provisional Edition, dated 1990.
