

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE EAST BOUNDARY
AND SUBDIVISIONAL LINES,
THE ADJUSTED RECORD MEANDERS OF THE LEFT BANK
OF THE UMPQUA RIVER IN SECTION 13,
AND
THE SUBDIVISION OF SECTION 13,
TOWNSHIP 22 SOUTH, RANGE 9 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Boyd W. Peterson, Cadastral Surveyor
Richard L. Sanford, Surveying Technician

Under Special Instructions dated June 23, 1993, approved June 24, 1993,
which provided for the surveys included under Group No. 1704,
and Assignment Instructions dated June 29, 1993.

Survey commenced July 13, 1993

Survey completed June 20, 1995

T. 22 S., R. 9 W., Willamette Meridian, Oregon

CHAINS

The following field notes are those of the dependent resurvey of a portion of the east boundary and subdivisional lines, the adjusted record meanders of the left bank of the Umpqua River in section 13, and the subdivision of section 13, township 22 south, range 9 west, Willamette, Meridian, Oregon.

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

A portion of the east and west boundaries and subdivisional lines, and meanders of the right bank of the Umpqua River were surveyed by Harvey Gordon and Charles F. Gardiner, U. S. Deputy Surveyors, in 1855.

A portion of the east and west boundaries and subdivisional lines, and meanders of the left bank of the Umpqua River were surveyed by William H. Byars, U. S. Deputy Surveyor, in 1874.

A portion of the west boundary and subdivisional lines were resurveyed and section 18 was subdivided in T. 22 S., R. 8 W., by George F. Rigby, U. S. Cadastral Engineer, in 1931.

The $\frac{1}{4}$ section corner of sections 13 and 24 was remonumented by James E. Jelley, Cadastral Surveyor, in 1963.

A portion of the boundaries and subdivisional lines were resurveyed by Harvey E. Wofford, Wayne L. Rogers, and Owen C. Chatters II, Cadastral Surveyors, in 1973-79.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated June 23, 1993, for Group No. 1704, 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.

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, $2\frac{1}{2}$ inches long, weigh $2\frac{1}{2}$ ounces, and are magnetically detectable to an average depth of 8 feet.

T. 22 S., R. 9 W., Willamette Meridian, Oregon

CHAINS	
	<p>The geographic position (NAD 1927) of the corner of sections 7, 12, 13 and 18, on the east boundary of the township, as determined by a tie to the United States Coast and Geodetic Survey, Bench Mark A 472, established in 1941, whose geodetic position was established by the Control Survey Unit, Oregon State Office, Bureau of Land Management, in 1992, is as follows:</p> <p>Latitude: 43° 39' 54.52" N. Longitude: 123° 42' 15.11" W.</p> <p>The mean magnetic declination is 18° East.</p> <hr/> <p style="text-align: center;">Dependent Resurvey of a Portion of the East Boundary, T. 22 S., R. 9 W., Willamette Meridian, Oregon</p> <hr/> <p style="text-align: center;">(Restoring the survey of Harvey Gordon and Charles F. Gardiner in 1855, the survey of William H. Byars in 1874, and the resurvey of George F. Rigby in 1931)</p> <hr/> <p>Beginning at the ¼ sec. cor. of secs. 13 and 18, on the E. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set 18 ins. below the surface of the ground, with brass cap mkd.</p> <p style="text-align: center;">1/4 S 13 S 18 1931</p> <p>from which the remains of a bearing tree mkd. by Rigby</p> <p style="padding-left: 40px;">A fir snag, 52 ins. diam., bears S. 33 ¾° W., 370 lks. dist., with healed blaze.</p> <p>and new bearing trees</p> <p style="padding-left: 40px;">A fir, 9 ins. diam., bears N. 33 ¾° E., 50½ lks. dist., mkd. 1/4 S18 BT.</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears S. 83½° W., 26½ lks. dist., mkd. 1/4 S13 BT.</p> <p>From this point, a point established by person(s) unknown, monumented with an iron pipe, 1 in. diam., firmly set, projecting 6 ins. above ground, bears N. 54° 38' 26" W., 0.490 chs. dist.</p> <p>N. 0° 49' 30" W., bet. secs. 13 and 18.</p> <p>Descend over N. slope, through dense timber and light undergrowth.</p> <p>5.570 Point for the meander cor. of secs. 13 and 18, for the left bank of the Umpqua River, at proportionate distance, no monument set.</p> <p>5.760 The witness cor. to the meander cor. of secs. 13 and 18, on the left bank of the Umpqua River, monumented with an iron post, 1 in. diam., firmly set 30 ins. below the surface of the ground, with brass cap mkd.</p>

**Dependent Resurvey of a Portion of the East Boundary,
T. 22 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS

MC
WC

S 13 | S 18
R 9 WR R 8 W
T 22 S
1931

from which bearing trees by Milo E. Godfrey, Deputy County Surveyor, in 1963, recorded in Douglas County Government Corner Renewal file No. 29

A maple, 23 ins. diam., bears S. $41\frac{1}{2}^{\circ}$ E., 70 $\frac{1}{2}$ lks. dist., with healed blaze.

A maple, 15 ins. diam., bears S. $61\frac{1}{4}^{\circ}$ E., 49 lks. dist., with healed blaze.

No other accessories available.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 22 S., R. 9 W., Willamette Meridian, Oregon**

(Restoring the survey by Harvey Gordon and Charles F. Gardiner in 1855, the survey of William H. Byars in 1874, the resurvey of George F. Rigby in 1931, the remonumentation of James E. Jelley in 1963, and the resurvey by Harvey E. Wofford, Wayne L. Rogers and Owen C. Chatters II in 1973-79)

From the $\frac{1}{4}$ sec. cor. of secs. 13 and 24, monumented with an iron post, 2 $\frac{1}{2}$ ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.

S 13
1/4 -----
S 24
T22S R9W
1963

from which the remains of original bearing trees

A fir stump, 41 ins. diam., bears N. 2° W., 70 lks. dist., with healed double blaze. (Record, 74 lks.)

A fir, 52 ins. diam., bears S. 68° E., 9 lks. dist., with healed blaze.

and a bearing tree mkd. by Jelley

A hemlock, 20 ins. diam., bears N. $46\frac{1}{2}^{\circ}$ W., 129 lks. dist., with healed blaze.

N. $89^{\circ} 54' 30''$ W., bet. secs. 13 and 24.

Descend over W. slope, across Lutsinger Creek Road and Lutsinger Creek; asc. over NE. slope, through dense timber and thick undergrowth.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 22 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS											
39.595	<p>The cor. of secs. 13, 14, 23 and 24, monumented with an iron post, 2½ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td>T22S</td><td>R9W</td></tr> <tr><td>S 14</td><td> S 13</td></tr> <tr><td colspan="2">-----</td></tr> <tr><td>S 23</td><td> S 24</td></tr> <tr><td colspan="2">1973</td></tr> </table> </div> <p>from which the remains of bearing trees by Wofford, Rogers and Chatters</p> <p style="padding-left: 40px;">A fir, 22 ins. diam., bears N. 77° E., 84 lks. dist., with healed blaze. (Record, N. 79° E.)</p> <p style="padding-left: 40px;">A maple stump, 11 ins. diam., bears S. 44° E., 35 lks. dist., with fragmentary scribe marks visible on partially healed blaze.</p> <p style="padding-left: 40px;">A fir, 17 ins. diam., bears S. 89° W., 62 lks. dist., with healed blaze. (Record, S. 85° W., 64 lks.)</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears N. 58° W., 50 lks. dist., with healed blaze. (Record, N. 51° W.)</p> <p>and a new bearing tree</p> <p style="padding-left: 40px;">A fir, 11 ins. diam., bears S. 17½° E., 39½ lks. dist., mkd. T22S R9W S24 BT.</p> <p>The corner is located on a steep SE. slope.</p> <hr/> <p>N. 0° 07' 00" W., bet. secs. 13 and 14.</p> <p>Ascend over SE. slope, through moderate timber and dense undergrowth.</p>	T22S	R9W	S 14	S 13	-----		S 23	S 24	1973	
T22S	R9W										
S 14	S 13										

S 23	S 24										
1973											
2.35	Spur, slopes N. 85° E.; desc. over a N. slope.										
24.45	Graveled road, 20 lks. wide, bears E. and W.										
26.825	<p>Point for the meander cor. of secs. 13 and 14, for the left bank of the Umpqua River, at proportionate distance; there is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr><td colspan="2">MC</td></tr> <tr><td>S 14</td><td> S 13</td></tr> <tr><td colspan="2">-----</td></tr> <tr><td>T 22 S R 9 W</td><td></td></tr> <tr><td colspan="2">1993</td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">An alder, 12 ins. diam., bears S. 21 3/4° E., 63½ lks. dist., mkd. T22S R9W S13 MC BT in the bark.</p>	MC		S 14	S 13	-----		T 22 S R 9 W		1993	
MC											
S 14	S 13										

T 22 S R 9 W											
1993											

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 22 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS	
	<p>An alder, 14 ins. diam., bears S. 22½° W., 53 lks. dist., mkd. T22S R9W S14 MC BT in the bark.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p>
27.05	Left bank of Umpqua River, bears E. and W., course W.; thence across river.
33.185	Point for the meander cor. of secs. 13 and 14, for the right bank of the Umpqua River, at proportionate distance; there is no remaining evidence of the original corner. No monument set.
33.30	Right bank of Umpqua River, bears E. and W.; asc. S. slope, through open fields.
39.375	Point for the 1/4 sec. cor. of secs. 13 and 14, at proportionate distance. This corner was not monumented by the original surveyor. No monument set.
55.10	Oregon State Highway No. 38, asphalt-surfaced, 70 lks. wide, bears E. and W.
62.835	Point for the witness point, at record distance; there is no remaining evidence of the original corner. No monument set.
76.20	Spur, slopes SW.; desc. over a NW. slope.
78.750	<p>The cor. of secs. 11, 12, 13 and 14, perpetuated by person(s) unknown, recorded by J. Adamo, R. Van Order, Jr., and D. Harmon, Foresters, in 1949, at International Paper, Reedsport, Oregon, in the line ran box, and recorded by C. Graham, Forester, in 1980, at International Paper, Reedsport, Oregon, in book T. 22 S., R. 9 W.; monumented with a galvanized iron pipe, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with a screwed on pipe cap, 1 3/4 ins. diam., mkd.</p> <div style="text-align: center;"> <p>T</p> <p>11 12</p> <p>-----</p> <p>14 13</p> <p>R</p> </div> <p>from which the remains of an original bearing tree</p> <p>A roothole, bears S. 85° E., 150 lks. dist., with a down and rotted oak alongside, 20 ins. diam., with fragmentary scribe marks visible on an open decayed blaze.</p> <p>and bearing trees reported by Graham</p> <p>A fir, 21 ins. diam., bears S. 39½° E., 7½ lks. dist., with healed blaze.</p> <p>A fir, 17 ins. diam., bears S. 26 3/4° W., 45½ lks. dist., with healed blaze.</p> <p>and new bearing trees</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 22 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS	<p style="text-align: center;">A fir, 16 ins. diam., bears N. 51 3/4° E., 19½ lks. dist., mkd. T22S R9W S12 BT.</p> <p style="text-align: center;">A twin fir, 23 ins. diam., bears N. 33½° W., 40½ lks. dist., mkd. T22S R9W S11 BT.</p> <hr/> <p>From the cor. of secs. 7, 12, 13 and 18, on the E. bdy. of the Tp., monumented with an iron post, 1½ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T22S R9W R8W S 12 S 7 ----- S 13 S 18 1931</p> </div> <p>from which the remains of bearing trees mkd. by Rigby</p> <p style="text-align: center;">A maple, 44 ins. diam., bears N. 12° E., 59 lks. dist., with healed blaze.</p> <p style="text-align: center;">A fir, 41 ins. diam., bears S. 85° W., 53 lks. dist., with healed blaze.</p> <p style="text-align: center;">A maple stump, size indeterminate, bears N. 40° W., 73 lks. dist., with axe marks visible.</p> <p>and bearing trees mkd. by Milo E. Godfrey, Deputy County Surveyor, in 1963, recorded in Douglas County Government Corner Renewal file No. 30</p> <p style="text-align: center;">A fir, 40 ins. diam., bears S. 44° E., 156 lks. dist., with healed blaze.</p> <p style="text-align: center;">A fir, 33 ins. diam., bears S. 64½° W., 83 lks. dist., with healed blaze.</p> <p>No other accessories available in the NW. quadrant.</p> <p>From this point, a bench mark established by the United States Coast and Geodetic Surveys, monumented with a brass tablet, 3½ ins. diam., firmly set flush with the ground, mkd. A 472 1941, whose geodetic position was established by the Control Survey Unit, Oregon State Office, Bureau of Land Management, in 1993, at latitude 43° 39' 38.428" N., longitude 123° 42' 39.872" N. (NAD 1927), bears S. 48° 09' 34" W., 37.018 chs. dist. (mean bearing and sea level distance).</p> <p>S. 89° 21' 30" W., bet. secs. 12 and 13.</p> <p>Ascend over broken SE. slope, through scattered timber and light undergrowth.</p>
39.250	<p>Point for the 1/4 sec. cor. of secs. 12 and 13, at proportionate distance; there is no remaining evidence of the original corner.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 22 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;">T22S R9W S 12 1/4 ----- S 13 1993</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 24 ins. diam., bears S. 10½° W., 55½ lks. dist., mkd. 1/4 S13 BT.</p> <p style="padding-left: 40px;">A fir, 23 ins. diam., bears N. 41° W., 22½ lks. dist., mkd. 1/4 S12 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>Descend over SW. slope.</p>
41.30	Creek, 2 lks. wide, course S. 10° E.; asc. over broken SE. slope.
76.20	Spur, slopes S. 70° W.; desc. over a NW. slope.
78.500	The sec. cor. of secs. 11, 12, 13 and 14.
	<hr/> <p>Adjusted Record Meanders of the Left Bank of the Umpqua River in Section 13, T. 22 S., R. 9 W., Willamette Meridian, Oregon</p> <hr/>
	<p>From the meander cor. of secs. 13 and 14, on the left bank of the Umpqua River, hereinbefore described.</p> <p>Thence with the adjusted record meanders upstream along the left bank of the Umpqua River in sec. 13.</p> <p>N. 79° 10' 00" E., 37.390 chs.</p> <p>N. 89° 20' 30" E., 12.270 chs. At 2.710 chs. on this course, the true point for the special meander cor. on the N. and S. centerline of sec. 13, hereinafter described.</p> <p>N. 77° 08' 00" E., 15.260 chs.</p> <p>N. 61° 56' 00" E., 16.970 chs. At end of course, the true point for the meander cor. of secs. 13 and 18 on the E. bdy. of the Tp., on the left bank of the Umpqua River.</p>
	<hr/> <p>Subdivision of Section 13, T. 22 S., R. 9 W., Willamette Meridian, Oregon</p> <hr/>

**Subdivision of Section 13,
T. 22 S., R. 9 W., Willamette Meridian, Oregon**

CHAINS	
	From the $\frac{1}{4}$ sec. cor. of secs. 13 and 24.
	N. $0^{\circ} 22' 00''$ W., on the N. and S. centerline of sec. 13.
	Descend along W. slope, through dense timber and dense undergrowth.
31.60	Graveled road, 20 lks. wide, bears N. 80° E. and S. 80° W.
32.430	Point selected for the witness cor. to the special meander cor. on the N. and S. centerline of sec. 13.
	Set a stainless steel post, 28 ins. diam., $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	WC SMC C <hr style="width: 50px; margin: 0 auto;"/> S \uparrow 13 C 1993
	from which
	An alder, 8 ins. diam., bears S. 33° E., $43\frac{1}{2}$ lks. dist., mkd. X BT in the bark.
	A maple, 15 ins. diam., bears S. 48° W., 62 lks. dist., mkd. X BT in the bark.
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.
32.95	Left bank Umpqua River, edge bears N. 80° E. and S. 80° W., course W.; continue across river.
33.945	Intersect the adjusted record meanders of the left bank of the Umpqua River; true point for the special meander corner. This point falls in the river where it is impracticable to monument.
38.25	Right bank Umpqua River, edge bears E. and W.; asc. S. slope, through open fields.
51.75	Oregon State Highway No. 38, asphalt-surfaced, 70 lks. wide, bears N. 75° E. and S. 75° W.
79.250	The $\frac{1}{4}$ sec. cor. of secs. 12 and 13.
	GENERAL DESCRIPTION
	The lands involved in the foregoing survey are located in Douglas County, Oregon, approximately eight miles west of Elkton. Access to the area is by way of Oregon State Highway No. 38 and Lutsinger Creek Road.

T. 22 S., R. 9 W., Willamette Meridian, Oregon

CHAINS

The area is drained by Lutsinger Creek and other small creeks into the Umpqua River, which flows to the west into the Pacific Ocean. The elevation ranges from about 640 feet above sea level near the section corner of sections 13, 14, 23 and 24, to about 50 feet above sea level near the witness corner meander corner of sections 13 and 18.

The soil is composed of a sandy clay loam in the bottom land and in the higher elevations is of a clay loam with rock. Several areas are exposed bedrock. The bottom lands are used for residential homes and livestock grazing. The upper elevations support timber growth which consists of fir, hemlock, cedar, alder, maple, madrone, oak, ash and willow. The undergrowth consists of vine maple, huckleberry, poison oak, hazel, Oregon grape, blackberry, salal, rhododendron and fern.

No evidence of mineral activity was noted in the area covered by this survey.

The mean magnetic declination as shown on the United States Geological Survey 7½ minute quadrangle map "DEVILS GRAVEYARD, OREGON," provisional edition, published in 1990, is 18° East.
