

**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 6 WEST,**

OF THE WILLAMETTE MERIDIAN,

IN THE STATE OF OREGON.

**EXECUTED BY**

**Bryan S. Seibold, Cadastral Surveyor**

Under Special Instructions dated August 18, 1997,

approved August 18, 1997,

which provided for the surveys included under Group No. 1857,

and assignment instructions dated September 8, 1997.

**Survey commenced September 9, 1997**

**Survey completed April 16, 1998**

**T. 21 S., R. 6 W., Willamette Meridian, Oregon**

## CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, township 21 south, range 6 west, Willamette Meridian, Oregon.

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

In 1884, William P. Wright, U. S. Deputy Surveyor, resurveyed a portion of the south and east boundaries and completed the survey of the subdivisional lines.

In 1962, Norman J. McDonald, Cadastral Surveyor, dependently resurveyed a portion of the north and east boundaries and subdivisional lines and subdivided section 1.

In 1979, James E. Jelley, Cadastral Surveyor, remonumented certain corner positions without survey.

In 1983, Lance J. Bishop and Wayne L. Rogers, Cadastral Surveyors, dependently resurveyed a portion of the subdivisional lines.

In 1984-85, Wayne L. Rogers, Cadastral Surveyor, dependently resurveyed a portion of the north boundary and subdivisional lines.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated August 18, 1997, for Group No. 1857, 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 distances and directions have been adjusted by Cadastral Measurement Management (CMM), a computer program that incorporates a least squares adjustment routine. The adjusted bearings and distances are reported to the nearest second and 0.001 chain. 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 to the original unadjusted measurements was also checked to assure a ratio not exceeding 1:4000. This 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

**T. 21 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS

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.

The geographic position (NAD 1983 (91)) of the corner of sections 11, 12, 13, and 14, as determined from a tie to Geodetic Control Station No. EC 41264, established by the Bureau of Land Management, in 1998, is as follows:

Latitude: 43° 45' 02.66" N.      Longitude: 123° 22' 04.74" W.

The mean magnetic declination is 19° East.

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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 6 W., Willamette Meridian, Oregon**

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(Restoring the survey by William P. Wright, in 1884.)

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Beginning at the cor. of secs. 11, 12, 13, and 14, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE

T 21 S R 6 W

S 11 S 12

S 14 S 13

1961

from which the remains of the original bearing trees

A sawed fir stump, 48 ins. diam., bears N. 27 3/4° E., 103 lks. dist., with healed blaze. (Record, N. 31° E., 106 lks.)

A fir snag, 45 ins. diam., bears S. 33° W., 14 lks. dist., with scribe marks S14 CS T21S R6W BT visible on partially healed blaze.

and bearing trees mkd. by Milo E. Godfrey, Deputy County Surveyor, in 1961, recorded in the Douglas County Surveyors Office, Record of Government Corners Renewed, T. 21 S., R. 6 W., No. 83

A cedar, 37 ins. diam., bears N. 84½° E., 54 lks. dist., with healed blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	<p>A hemlock, 26 ins. diam., bears S. 39 3/4° E., 110 lks. dist., with healed blaze. (Record, S. 42° E.)</p> <p>A hemlock, 23 ins. diam., bears N. 32° W., 27 lks. dist., with healed double blaze.</p> <p>and a bearing tree reported by Rogers and Bishop</p> <p>A fir, 20 ins. diam., bears S. 78½° W., 46 lks. dist., with healed blaze.</p> <p>From this point the Bureau of Land Management, Geodetic Control Station No. EC 41264, at latitude 43° 45' 11.550" N., longitude 123° 21' 31.514" W., (NAD 1983 (91)), determined by the NAVSTAR Global Positional System, bears N. 69° 43' 52" E., 39.387 chs. dist., (mean bearing and sea level distance), monumented with an aluminum cap, firmly set flush with the ground, with top mkd. EC41264 GPS 1998.</p> <p>N. 0° 02' 17" E., bet. secs. 11 and 12.</p> <p>Descend over broken NE. slope, through second growth timber and dense undergrowth.</p>
0.70	Spur, slopes N. 60° W., desc. over NE. slope, changing to a broken NW. slope.
15.90	Creek, 5 lks. wide, course S. 55° E., asc. over SE. slope, changing to desc. over broken NE. slope.
39.80	Ravine, drains S. 60° E., asc. over SE. slope.
40.764	<p>The 1/4 sec. cor. of secs. 11 and 12, perpetuated by Leslie D. Roberts, Registered Professional Land Surveyor, No. 1039, in 1993, recorded in the Douglas County Surveyors Office, Map File No. M116-77, monumented with an iron rod, 5/8 ins. diam., firmly set flush with the ground, with yellow plastic cap mkd. ROBERTS PLS 1039, from which the remains of the original bearing trees</p> <p>A roothole, bears N. 58° E., 20 lks. dist., with decayed down fir alongside, size indeterminate, with 1945 GLO tag and no mks. visible.</p> <p>A decayed fir stump, size indeterminate, bears S. 76° W., 8½ lks. dist., with old axe marks. (Record, S. 87° W., 7 lks.)</p> <p>and bearing trees mkd. by Roberts</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	<p>A fir, 15 ins. diam., bears N. 30° E., 42½ lks. dist., with partially healed double blaze.</p> <p>A fir, 8 ins. diam., bears N. 39° W., 39 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, directly over the iron rod, with brass cap mkd.</p> <p style="text-align: center;">T 21 S R 6 W 1/4 S 11 S 12 1997</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0° 15' 01" E., beginning new measurement.</p> <p>Ascend over broken SE. slope.</p>
7.55	Ridge, bears N. 40° E. and SW., desc. over broken NW. slope.
18.45	Top of asc., slopes W., desc. over broken NW. slope.
21.00	Spur, slopes N. 40° W., desc. over NE. slope.
36.60	Creek, 5 lks. wide, course N. 70° W., asc. over SW. slope.
39.936	The cor. of secs. 1, 2, 11, and 12, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.
	<p style="text-align: center;">COUNTY SURVEYORS OFFICE T 21 S R 6 W S 2 S 1  S 11 S 12 US BLM 1962 1961</p> <p>from which the remains of an original bearing tree</p> <p>A decayed fir stump, size indeterminate, bears S. 11° E., 28 lks. dist., with scribe marks BT visible on decayed blaze.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 6 W., Willamette Meridian, Oregon**

## CHAINS

and the remains of bearing trees mkd. by Milo E. Godfrey, Deputy County Surveyor, in 1961, recorded in the Douglas County Surveyors Office, Record of Government Corners Renewed, T. 21 S., R. 6 W., No. 77

A madrone snag, 11 ins. diam., bears N. 17° E., 34 lks. dist., with partially healed blaze.

A fir, 35 ins. diam., bears S. 12° E., 49 lks. dist., with healed double blaze.

A fir, 19 ins. diam., bears S. 67° W., 50 lks. dist., with healed blaze.

A sawed fir stump, 20 ins. diam., bears N. 56° W., 30 lks. dist., with healed double blaze.

and the remains of bearing trees mkd. by McDonald

A fir, 22 ins. diam., bears N. 75° E., 86 lks. dist., with healed blaze.

A fir, 12 ins. diam., bears S. 46½° E., 64½ lks. dist., with healed blaze. (Record, S. 52° E., 66 lks.)

A fir snag, 16 ins. diam., bears S. 65° W., 59 lks. dist., with healed double blaze.

A sawed fir stump, 31 ins. diam., bears N. 3° W., 70 lks. dist., with healed blaze.

No suitable trees available to NW.

**GENERAL DESCRIPTION**

The lands included in the foregoing survey are located in Douglas County, about ten miles northwesterly of the community of Drain, Oregon. Access is gained via a paved road along Smith River and a graveled road branching from along Sleezer Creek into the area.

Elevations range from approximately 1280 feet above sea level at the corner of sections 11, 12, 13, and 14, to about 980 feet above sea level at the corner of sections 1, 2, 11, and 12.

The area is drained by Sleezer Creek, with numerous small and seasonal drainages flowing into it. The lands are forested with fir, cedar, hemlock, yew, alder, maple, madrone, willow, and chinquapin. Undergrowth consists of ferns, poison oak, arrowwood,

**T. 21 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS

hazel, Oregon grape, salal, huckleberry, blackberry, thimbleberry, salmonberry, wild rose, rhododendron, manzanita, and young timber.

There were no mineral deposits noted along the line resurveyed. The land is used primarily for timber production.

The mean magnetic declination as shown on the United States Geological Survey 7½ minute quadrangle map "LETZ CREEK, OREGON", provisional edition, published in 1984, is 19° East.