

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 7 WEST,  
OF THE WILLAMETTE MERIDIAN,  
IN THE STATE OF OREGON.

**EXECUTED BY**

Dale T. Bedell, Cadastral Surveyor

Under Special Instructions dated June 5, 1989,

approved June 7, 1989,

which provided for the surveys included under Group No. 1496,

and Assignment Instructions dated July 21, 1989.

**Survey commenced July 25, 1989**

**Survey completed August 23, 1989**

## T. 21 S., R. 7 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 7 west, Willamette Meridian, Oregon.

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

In 1883, Laban H. Wheeler, U.S. Deputy Surveyor, surveyed the east boundary and a portion of the subdivisional lines.

In 1981, James E. Jelley, Cadastral Surveyor, resurveyed a portion of the subdivisional lines.

In 1987, Wayne L. Rogers and Dale T. Bedell, Cadastral Surveyors, resurveyed a portion of the east boundary.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated June 5, 1989, for Group No. 1496, Oregon.

The directions of the lines refer to the true meridian as determined by deflections from azimuths obtained by direct solar observations.

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.

Preliminary to the resurvey, the lines of the original surveys were retraced and search was made for all corners and other calls of the 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. Only those lines bounding public lands were blazed. All lines not forming a closure were measured twice.

The geographic position (NAD 1927) of the corner of sections 25, 26, 35 and 36, as determined from a tie to Geodetic Control Station No. EC 41003, established by the Bureau of Land Management, is as follows:

Latitude 43° 42' 26.37" N. Longitude 123° 29' 03.37" W.

The mean magnetic declination is 20° East.

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(Restoring the survey by Laban H. Wheeler, in 1883)

Beginning at the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., monumented with a stainless steel post, 2½ ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.

T 21 S  
R 7 W R 6 W  
S 25\*S 30  
S 36\*S 31  
1987

from which the remains of bearing trees mkd. by Wilford N. Haines, Registered Land Surveyor No. 239, in 1960

A hemlock, 18 ins. diam., bears S. 81° E., 63 lks. dist., with scribe mark 1 visible on partially healed blaze.

A fir, 41 ins. diam., bears N. 71° W., 80 lks. dist., with healed blaze.

A fir stump, 36 ins. diam., bears N. 39½° W., 90 lks. dist., no remaining marks.

and the remains of bearing trees mkd. by John M. Powell, Deputy County Surveyor, in 1972

A fir, 11 ins. diam., bears S. 28° E., 55 lks. dist., with healed blaze.

A rotted fir stump, 8 ins. diam., bears S. 20° W., 18 lks. dist., no remaining marks.

and bearing trees mkd. by Rogers and Bedell

A fir, 11 ins. diam., bears N. 18° E., 26 lks. dist., with scribe marks T21S R6W S30 BT on partially healed blaze.

A fir, 10 ins. diam., bears S. 58° W., 27 lks. dist., with scribe marks T21S R7W S36 BT on partially healed blaze.

S. 89° 53' 30" W., bet. secs. 25 and 36.

Descend over broken SW. slope, through heavy timber and dense undergrowth.

6.20

Creek, 10 lks. wide, course S. 4° E.; asc. over broken SE. slope.

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38.225 Point for the  $\frac{1}{4}$  sec. cor. of secs. 25 and 36, at proportionate distance; there is no remaining evidence of the original corner.

Set a stainless steel post, 28 ins. long,  $2\frac{1}{2}$  ins. diam., 22 ins. in the ground, with brass cap mkd.

T 21 S R 7 W  
S 25  
 $\frac{1}{4}$  -----  
S 36  
1989

from which

A fir, 11 ins. diam., bears N.  $18^{\circ}$  E., 27 lks. dist.,  
mkd.  $\frac{1}{4}$  S25 BT.

A fir, 9 ins. diam., bears S.  $72^{\circ}$  W., 19 lks. dist.,  
mkd.  $\frac{1}{4}$  S36 BT.

Deposit white "DEEP-1" magnetic marker at base of stainless steel post.

The corner is at the top of ascent, slopes S.; desc. over SW. slope.

40.30 Creek, 10 lks. wide, course S.  $10^{\circ}$  E.; asc. over broken SE. slope.

52.00 Top of ascent, slopes S.; desc. over SW. slope.

66.80 Ravine, drains S.  $5^{\circ}$  E.; asc. over broken SE. slope.

67.90 Gravel road, 20 lks. wide, bears N.  $50^{\circ}$  E. and S.  $50^{\circ}$  W.

68.30 Ridge, bears N.  $50^{\circ}$  E. and S.  $50^{\circ}$  W.; desc. over steep W. slope.

76.450 The cor. of secs. 25, 26, 35 and 36, monumented with an iron post,  $2\frac{1}{2}$  ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.

T 21 S R 7 W  
S 26\*S 25  
S 35\*S 36  
1981

from which the only remaining original bearing tree

A fir, 55 ins. diam., bears N.  $50^{\circ}$  W., 114 lks. dist.,  
with healed blaze.

and bearing trees mkd. by Wilford N. Haines, Registered Land Surveyor No. 239, in 1960

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A fir, 14 ins. diam., bears N. 41° E., 39½ lks. dist.,  
with healed blaze.

A fir, 25 ins. diam., bears S. 70¼° E., 42½ lks. dist.,  
with healed blaze.

A fir, 15 ins. diam., bears S. 13½° W., 38 lks. dist.,  
with healed blaze.

A fir, 10 ins. diam., bears N. 11° W., 30 lks. dist.,  
with healed blaze.

From this point, the Bureau of Land Management Geodetic Control Station No. EC 41003, at latitude 43° 42' 36.422" N., longitude 123° 28' 48.398" W. (NAD 1927), determined by the NAVSTAR Global Positioning System, bears N. 47° 14' 00" E., 22.705 chs. dist., monumented with an aluminum cap, 3 ins. diam., set in cement flush with the ground, mkd. GPS EC 41003 1989, on a narrow ridge, bearing E. and W.

From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., monumented with an iron post, 2½ ins. diam., projecting 6 ins. above ground, with brass cap mkd.

T 21 S  
R 7 W R 6 W  
S 24\*S 19  
S 25\*S 30  
1987

from which bearing trees mkd. by Wilford N. Haines, Registered Land Surveyor No. 239, in 1960

A fir, 12 ins. diam., bears N. 30° E., 11 lks. dist.,  
with healed blaze.

A fir, 18 ins. diam., bears S. 1° E., 3 lks. dist.,  
with healed blaze.

A fir, 15 ins. diam., bears S. 72° W., 27 lks. dist.,  
with healed blaze.

A fir, 13 ins. diam., bears N. 56° W., 18 lks. dist.,  
with healed blaze.

S. 87° 14' 30" W., bet. secs. 24 and 25.

Descend over steep, broken W. slope, through heavy timber and dense undergrowth.

15.30

Dirt road, 20 lks. wide, bears N. 15° W. and S. 15° E.

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24.50	Creek, 5 lks. wide, course S.; asc. over steep, broken E. slope.
28.50	Slope changes to SE. slope.
36.10	Slope changes to NE. slope.
40.115	Point selected for a witness cor. to the $\frac{1}{4}$ sec. cor. of secs. 24 and 25.  Set a stainless steel post, 28 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap mkd.  <div style="text-align: center;">           W C            T 21 S R 7 W            S 24  <math>\frac{1}{4}</math> -----            S 25            1989         </div>
	from which  <div style="text-align: center;">           A fir, 15 ins. diam., bears N. 42° E., 29 lks. dist.,            mkd. X at breast height and BT at the base.             A fir, 12 ins. diam., bears S. 8° W., 5 lks. dist.,            mkd. X at breast height and BT at the base.         </div>
40.615	True point for the $\frac{1}{4}$ sec. cor. of secs. 24 and 25, at proportionate distance; there is no remaining evidence of the original corner; located on steep rock outcrop, sloping NE., where it is impracticable to establish a permanent monument.  Ascend over steep NE. slope.
46.20	Ridge, bears N. 15° E. and S. 15° W.; desc. over broken NW. slope.
55.80	Ravine, drains N. 25° W.; asc. over broken NE. slope.
64.40	Spur, slopes N.; desc. over NW. slope.
68.50	Ravine, drains N. 10° W.; asc. over NE. slope.
76.40	Spur, slopes N.; desc. over NW. slope.
81.230	The cor. of secs. 23, 24, 25 and 26, monumented with an iron post, $1\frac{1}{2}$ ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd.  <div style="text-align: center;">           COUNTY SURVEYORS OFFICE            S 21 S  <u>S 23*S 24</u>            S 26*S 25            R 7 W            1970         </div>

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from which the remains of the original bearing trees

A rotted fir stump, 80 ins. diam., bears N. 45° E.,  
65 lks. dist., no marks remaining.

A fir, 36 ins. diam., bears N. 40° W., 22 lks. dist.,  
with healed blaze.

and bearing trees mkd. by John M. Powell, Deputy County Surveyor,  
in 1970

A fir, 10 ins. diam., bears N. 46½° E., 36 lks. dist.,  
with healed blaze. (Record, 35 lks.)

A fir, 26 ins. diam., bears S. 6° E., 61 lks. dist.,  
with healed blaze.

A fir, 12 ins. diam., bears S. 78½° W., 19½ lks. dist.,  
with healed blaze.

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**GENERAL DESCRIPTION**

The lands included in this survey are located in Douglas County approximately six miles northwesterly from the town of Drain, Oregon.

Access is via logging roads branching from Oregon State Highway No. 38.

The drainage is southerly. The elevations range from 300 feet to 1700 feet above sea level.

The soil is composed of rocky clay in the higher elevations and clay loam in the creek bottoms.

The timber consists of fir, hemlock, cedar, pine, yew, maple, chinquapin, oak, madrone and alder; with undergrowth of salal, fern, poison oak, vine maple, rhododendron, arrowwood, blackberry, salmonberry and huckleberry.

No mineral deposits were noted during the survey.

The average of a number of readings over the area gives a value of 20° East for the mean magnetic declination, with a range of 1° due to local attraction.