

CHAINS

DUPLICATE

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

*Dale T. Bedell, Cadastral Surveyor*

Under Special Instructions dated May 16, 1990, approved May 17, 1990,  
which provided for the surveys included under Group No. 1541,  
and Assignment Instructions dated May 24, 1990.

*Survey commenced May 29, 1990*

*Survey completed July 26, 1990*

**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, surveyed a portion of the subdivisional lines.

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

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

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated May 16, 1990, for Group No. 1541, Oregon.

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

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. 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.

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 corner of sections 28, 29, 32, and 33, as determined from a direct tie to Geodetic Control Station No. EC 41051, established by the Bureau of Land Management, is as follows:

Latitude 43° 42' 25.43" N. Longitude 123° 25' 36.90" W.

The mean magnetic declination is 20° 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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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 6 W., Willamette Meridian, Oregon**

**CHAINS**

Beginning at the cor. of secs. 28, 29, 32, and 33, perpetuated by Milo E. Godfrey, Deputy County Surveyor, in 1961, recorded in Douglas County Corner Renewal Record No. 70, T. 21 S., R. 6 W., monumented with an iron post, 1½ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE

T21S R6W

S29 \* S28

S32 \* S33

1961

from which the remains of the original bearing trees

A fir snag, 28 ins. diam., bears S. 31° E., 29 lks. dist., with scribe mark S visible on previously opened blaze. (Record, 25 lks.)

A rotted fir stump, 15 ins. diam., bears S. 32° W., 19 lks. dist., no marks remaining.

A sawed fir stump, 32 ins. diam., bears N. 31° W., 26½ lks. dist., with axe marks visible. (Record, 23 lks.)

and a bearing tree mkd. by Godfrey

A fir, 23 ins. diam., bears S. 54½° W., 33½ lks. dist., with healed blaze.

and a bearing tree mkd. by Vernon Ray Tracy, Deputy County Surveyor, in 1967, recorded in Douglas County Corner Renewal Record No. 123, T. 21 S., R. 6 W.

A fir, 22 ins. diam., bears S. 78° E., 30 lks. dist., with healed blaze.

and new bearing trees

A fir, 8 ins. diam., bears N. 34¼° E., 206 lks. dist., mkd. T21S R6W S28 BT.

A fir, 10 ins. diam., bears N. 88° W., 45½ lks. dist., mkd. T21S R6W S29 BT.

From this point, the Bureau of Land Management Geodetic Control Station No. EC 41051, at latitude 43° 42' 25.640" N. and longitude 123° 25' 35.757" W. (NAD 1927), determined by the NAVSTAR Global Positioning System, bears N. 75° 30' 00" E., 1.320 chs. dist., monumented with an aluminum cap, 3 ins. diam., set flush with the ground, mkd. GPS EC 41051 1990 and a triangle.

N. 0° 37' 30" E., bet. secs. 28 and 29.

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

6.60 Slope changes to broken NE.; continue to descend.

10.20 Dirt road, 15 lks. wide, bears N. 70° E. and S. 70° W.

Dependent Resurvey of a Portion of the Subdivisional Lines,  
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**CHAINS**

39.695

Point for the  $\frac{1}{4}$  sec. cor. of secs. 28 and 29 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., 20 ins. in the ground, with brass cap mkd.

T21S R6W  
 $\frac{1}{4}$   
S29 \* S28  
1990

from which

A fir, 6 ins. diam., bears N.  $30^{\circ}$  E., 85 lks. dist., mkd.  $\frac{1}{4}$  S28 BT.

A fir, 10 ins. diam., bears N.  $8^{\circ}$  W., 54 lks. dist., mkd.  $\frac{1}{4}$  S29 BT.

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

39.80

Ravine, drains E.; asc. over broken SE. slope.

57.50

Spur, slopes NE.; desc. over steep N. slope.

64.10

Big Tom Folley Creek, 15 lks. wide, course W.; asc. over broken S. slope.

64.90

Dirt road, 20 lks. wide, bears N.  $70^{\circ}$  E. and S.  $70^{\circ}$  W.

79.390

The cor. of secs. 20, 21, 28, and 29, perpetuated by Milo E. Godfrey, Deputy County Surveyor, in 1961, recorded in Douglas County Corner Renewal Record No. 68, T. 21 S., R. 6 W., monumented with an iron post,  $1\frac{1}{2}$  ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE  
T21S  
S20 \* S21  
S29 \* S28  
R6W  
1961

from which the remains of the original bearing trees

A burnt fir snag, 30 ins. diam., bears N.  $66^{\circ}$  E., 45 lks. dist., with burnt blaze.

A fir stump, 20 ins. diam., bears S.  $36^{\circ}$  E., 21 lks. dist., with scribe mark B visible on opened blaze.

A rotted fir stump, 28 ins. diam., bears S.  $47^{\circ}$  W., 26 lks. dist., no marks remaining. (Record, 25 lks.)

A rotted fir stump, 36 ins. diam., bears N.  $80^{\circ}$  W., 20 lks. dist., with axe marks on rotted blaze. (Record, N.  $85^{\circ}$  W.)

and the remains of bearing trees mkd. by Godfrey

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A fir, 17 ins. diam., bears N. 52° E., 73 lks. dist., with healed blaze.

A fir snag, 10 ins. diam., bears S. 70¾° E., 82 lks. dist., with healed blaze.

A fir, 19 ins. diam., bears N. 1¼° W., 77 lks. dist., with healed blaze.

and new bearing trees

A fir, 18 ins. diam., bears S. 48½° E., 62 lks. dist., mkd. T21S R6W S28 BT.

A fir, 8 ins. diam., bears S. 73½° W., 40 lks. dist., mkd. T21S R6W S29 BT.

From the cor. of secs. 28, 29, 32, and 33.

N. 87° 50' 30" W., bet. secs. 29 and 32.

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

- 9.10 Dirt road, 20 lks. wide, bears N. 35° E. and S. 35° W.
- 13.80 Ravine, drains SW.; asc. over rock bluff facing SE.
- 15.20 Top of rock bluff, bears N. 20° E. and S. 20° W.; continue to ascend over broken SE. slope.
- 17.40 Top of ascent, slopes N.; desc. over broken NW. slope.
- 38.500 Point for the ¼ sec. cor. of secs. 29 and 32, at proportionate distance; there is no remaining evidence of the original corner.
- Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
- T21S R6W  
S29  
¼ -----  
S32  
1990
- from which
- A fir, 8 ins. diam., bears N. 89½° E., 16 lks. dist., mkd. ¼ S29 BT.
- A fir, 5 ins. diam., bears S. 31° E., 17½ lks. dist., mkd. ¼ S32 BT.
- Deposit a white "DEEP-1" magnetic marker at the base of the stainless steel post.
- Continue to descend over broken NW. slope.
- 49.50 Creek, 5 lks. wide, course N. 30° W.; asc. over broken NE. slope.

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53.60 Spur, slopes N.; desc. over broken NW. slope.

56.60 Creek, 5 lks. wide, course N. 30° E.; asc. over broken NE. slope.

66.70 Spur, slopes N.; desc. over NW. slope.

72.50 Ravine, drains N. 20° E.; asc. over broken NE. slope.

77.000 The cor. of secs. 29, 30, 31, and 32, monumented with an iron post, 2½ ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd.

T21S R6W  
S30 \* S29  
S31 \* S32  
1979

from which the remaining original bearing tree

A cedar, 18 ins. diam., bears N. 85° W., 42 lks. dist., with three healed blazes.

and bearing trees mkd. by Milo E. Godfrey, Deputy County Surveyor, in 1961, recorded in Douglas County Corner Renewal Record No. 69, T. 21 S., R. 6 W.

A fir, 11 ins. diam., bears N. 68° E., 58 lks. dist., with healed blaze.

A hemlock, 18 ins. diam., bears S. 68° E., 41 lks. dist., with healed blaze.

A fir, 50 ins. diam., bears S. 74° W., 53 lks. dist., with healed blaze.

N. 0° 15' 30" W., bet. secs. 29 and 30.

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

21.50 Ravine, drains N. 60° W.; asc. over broken SW. slope.

35.20 Spur, slopes N. 55° W.; desc. over broken N. slope.

39.320 Point for the ¼ sec. cor. of secs. 29 and 30, determined at proportionate distance latitudinally between the cor. of secs. 29, 30, 31, and 32 and the cor. of secs. 19, 20, 29, and 30, and on line with a reference point established by Wilford N. Haines, Registered Land Surveyor No. 239, in 1962, hereinafter described; there is no remaining evidence of the original corner.

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T21S R6W  
¼  
S30 \* S29  
1990

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
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**CHAINS**

from which

A fir, 17 ins. diam., bears S. 82° E., 45 lks. dist., mkd.  
¼ S29 BT.

A hemlock, 14 ins. diam., bears N. 18° W., 8 lks. dist., mkd.  
¼ S30 BT.

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

42.00 Big Tom Folley Creek, 10 lks. wide, course W.; asc. over broken SW. slope.

42.470 A reference point established and recorded (map file M27-31, Douglas County Records) by Wilford N. Haines, Registered Land Surveyor No. 239, in 1962, monumented with a "T" shaped iron rod, 1 in. diam., 24 ins. below the ground surface. This point now becomes an angle point in the line.

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N. 0° 15' 30" W., beginning new measurement.

Ascend over broken SW. slope.

0.65 Dirt road, 20 lks. wide, bears N. 60° W. and S. 60° E.

1.40 Dirt road, 20 lks. wide, bears N. 70° W. and S. 70° E.

29.30 Spur, slopes W.; desc. over broken NW. slope.

33.80 Ravine, drains N. 80° W.; asc. over SW. slope.

36.170 The cor. of secs. 19, 20, 29, and 30, perpetuated by James W. Byron, Deputy County Surveyor, in 1958, recorded in Douglas County Corner Renewal Record No. 27, T. 21 S., R. 6 W., monumented with an iron post, 1½ ins. diam., firmly set, projecting 15 ins. above ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE

T21S

S19 \* S20

S30 \* S29

R6W

1958

from which the remains of the original bearing trees

A fir snag, 24 ins. diam., bears N. 38° E., 32 lks. dist., with illegible scribe marks on opened blaze.

A root hole, bears S. 69° E., 23 lks. dist., with a down fir alongside, 48 ins. diam., with old bark blaze.

A fir, 38 ins. diam., bears N. 40° W., 32 lks. dist., with healed blaze.

and bearing trees mkd. by Byron

A maple, 16 ins. diam., bears N. 80° E., 35 lks. dist., with healed blaze.

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A cedar, 19 ins. diam., bears S. 19° E., 72 lks. dist., with healed double blaze.

A cedar, 15 ins. diam., bears S. 27° W., 48 lks. dist., with healed blaze.

The corner is located on steep W. slope.

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From the cor. of secs. 20, 21, 28, and 29.

N. 88° 25' 00" W., bet. secs. 20 and 29.

Ascend over broken SE. slope, through heavy timber and dense undergrowth.

39.100

Point for the ¼ sec. cor. of secs. 20 and 29, at proportionate distance; there is no remaining evidence of the original corner.

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T21S R6W  
S20  
¼ -----  
S29  
1990

from which

A fir, 7 ins. diam., bears S. 22° E., 11 lks. dist., mkd. ¼ S29 BT.

A fir, 10 ins. diam., bears N. 13½° W., 15 lks. dist., mkd. ¼ S20 BT.

At the corner point, found a "T" shaped iron rod, 30 ins. long, 1 in. diam., projecting 1 in. above ground. I find no record of this monument.

Deposit a white "DEEP-1" magnetic marker at the base and the iron rod alongside the stainless steel post.

Continue to ascend over broken SE. slope.

62.60

Spur, slopes SW.; desc. over steep W. slope.

78.200

The cor. of secs. 19, 20, 29, and 30.

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**GENERAL DESCRIPTION**

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

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

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

**CHAINS**

The drainage is southwesterly. The elevations range from 400 feet to 1,600 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 this survey.

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