

23114

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE WEST BOUNDARY,

TOWNSHIP 21 SOUTH, RANGE 7 WEST,

AND THE

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES

AND SUBDIVISION OF SECTION 12

TOWNSHIP 21 SOUTH, RANGE 8 WEST,

OF THE WILLAMETTE MERIDIAN,

IN THE STATE OF OREGON

EXECUTED BY

Joseph M. Mannix, Cadastral Surveyor

Under Special Instructions approved July 30, 2013,
which provided for the surveys included under Group No. 2720,
and Assignment Instructions dated July 30, 2013

Survey commenced August 06, 2013

Survey completed October 21, 2013

T. 21 S., R. 8 W., Willamette Meridian, Oregon

The following field notes are those of the dependent resurvey of a portion of the west boundary, Township 21 South, Range 7 West, and the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 12, Township 21 South, Range 8 West, Willamette Meridian, Oregon.

The history of the official surveys pertaining to this survey is as follows:

In 1883, Laban H. Wheeler, U.S. Deputy Surveyor, surveyed the west boundary of T. 21 S., R. 7 W., as shown on the official plat of survey of T. 27 S., R. 10 W., approved May 19, 1884.

In 1883, William P. Wright, U.S. Deputy Surveyor, surveyed the subdivisional lines, as shown on the official plat of survey approved August 4, 1884.

In 1952-54, Marvin J. Lytle, Palmer Norseth, Thomas A. Tillman, Raymond M. Bicknell, Joseph S. Gawron, and Hans W. Thielsen, Cadastral Engineers, dependently resurveyed the east boundary and a portion of the subdivisional lines, as shown on the official plat of survey accepted April 14, 1960.

In 1967, William W. Glenn and James E. Jelley, Cadastral Surveyors, remonumented certain original corner points as shown in the official field notes approved March 3, 1977.

In 2006-07, Aaron M. Graham, Cadastral Surveyor, correctively resurveyed a portion of the subdivisional lines as shown on the official plat of survey accepted April 2, 2010.

The following local survey filed in the Douglas County Surveyor's Office is referred to in subsequent corner descriptions and is referenced by surveyor's last name, Professional Land Surveyor (PLS) No., and year.

<u>Date</u>	<u>Name and Registration Number</u>	<u>File Number</u>
1981	Leslie D. Roberts, PLS No. 1039	M88-22

The 1981 survey by Leslie D. Roberts, PLS No. 1039, established numerous iron rod line markers, 1/2 in. diam., projecting 3 ft. above ground, as indicated on the plat. These iron rods were not used for control during this resurvey.

The survey was executed in accordance with the specification set forth in the Manual of Surveying Instructions (2009), and the special instructions dated July 30, 2013, for Group No. 2720, Oregon.

The direction of the lines are based on the true meridian as determined by direct solar observation and Global Positioning System (GPS) techniques. An analysis of the unadjusted field data assured a closure not exceeding 1:4000 in error. Measured distances and directions have been adjusted by computer software that incorporates a least squares adjustment routine. The adjusted bearings and distances are reported to the nearest second and 0.01 foot.

Preliminary to the resurvey the lines of the official original surveys and resurveys were retraced and search was made for all corners, lines, other calls of the record, and, where available, collateral evidence of local surveys and corners. Identified corners were perpetuated in their original positions. The retracement data were thoroughly verified and only the corner descriptions are given herein.

T. 21 S., R. 8 W., Willamette Meridian, Oregon

Each new bearing tree has a 2 1/2 inch x 1/4 inch magnetic nail (Mag Nail) driven at the base on right side center, unless otherwise noted in the corner description.

Each new corner established or remonumented has a magnet deposited in a white plastic case at the base of the stainless steel post, unless otherwise noted in the corner description.

Each corner that was recovered or established without a prior corner location post or carsonite alongside has an aluminum fence post placed alongside.

The geographic position in NAD 1983 (2011) of the following corners as determined by ties from temporary GPS control points, established utilizing dual frequency, carrier phase GPS receivers, and processed using the National Geodetic Survey's Online Positioning User Service (OPUS):

The corner of sections 1, 6, 7, and 12, on the west boundary of T. 21 S., R. 7 W.:

Latitude: 43° 45' 43.41" N. Longitude: 123° 34' 58.74" W.

The corner of sections 11, 12, 13, and 14:

Latitude: 43° 44' 53.51" N. Longitude: 123° 36' 13.05" W.

**Dependent Resurvey of a Portion of the West Boundary,
T. 21 S., R. 7 W., Willamette Meridian, Oregon**

The 1/4 sec. cor. of secs. 7 and 12, on the W. bdy. of the Tp., monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above ground, with a brass cap mkd.

1/4
S 12 | S 7
1954

from which the remains of a bearing tree mkd. by Lytle, et al, in 1952-54

A decayed hemlock stump, size indeterminate, bears S. 75 3/4° W., 14.5 ft. dist., with no marks visible.

and new bearing trees

A fir, 13 ins. diam., bears N. 38 1/2° E., 23.7 ft. dist., mkd. 1/4 S7 BT.

A hemlock, 16 ins. diam., bears N. 42 3/4° W., 14.2 ft. dist., mkd. 1/4 S12 BT.

Point for the N 1/16 sec. cor. of secs. 7 and 12, on the W. bdy. of the Tp.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with a brass cap mkd.

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**Dependent Resurvey of a Portion of the West Boundary,
T. 21 S., R. 7 W., Willamette Meridian, Oregon**

N 1/16
S 12 | S 7
2013

from which

A fir, 36 ins. diam., bears S. 71 1/4° E., 3.5 ft. dist., mkd. N1/16 S7 BT.

A fir, 23 ins. diam., bears S. 88 1/2° W., 5.4 ft. dist., mkd. N1/16 S12 BT.

Alongside is a steel fence post.

The cor. of secs. 1, 6, 7, and 12, on the W. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 3 ins. above ground, with a brass cap mkd.

T 21 S
R 8 W | R 7 W
S 1 | S 6

S 12 | S 7
1954

from which the remains of the bearing trees mkd. by Lytle, et al, in 1952-54

A fir, 34 ins. diam., bears N. 11° E., 7.9 ft. dist., with axe marks visible.

A roothole bears S. 1 1/2° E., 1.3 ft. dist., alongside of which is a down fir, size indeterminate, with no marks visible. (Record, 22.4 ft.)

A fir, 37 ins. diam., bears N. 56 1/2° W., 45.5 ft. dist., with a healed blaze.

and new bearing trees

A fir, 14 ins. diam., bears S. 2 1/4° W., 28.8 ft. dist., mkd. T21S R7W S7 BT.

A fir, 19 ins. diam., bears S. 77 3/4° W., 29.2 ft. dist., mkd. T21S R8W S12 BT.

A fir, 16 ins. diam., bears N. 50° W., 37.1 ft. dist., mkd. T21S R8W S1 BT.

Alongside is a rebar, 1/2 in. diam., projecting 3 ft. above ground.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 8 W., Willamette Meridian, Oregon**

The 1/4 sec. cor. of secs. 12 and 13, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above ground, with a brass cap mkd.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 8 W., Willamette Meridian, Oregon**

A decayed fir stump, 54 ins. diam., bears N. 75° W., 21.8 ft. dist., with no marks visible.

and the remains of the bearing trees mkd. by Lytle, et al, in 1952-54

A decayed hemlock snag, 31 ins. diam., bears S. 38 3/4° E., 73.9 ft. dist., with a healed blaze. (Record, S. 37 3/4° E.)

A fir, 36 ins. diam., bears S. 14° W., 57.4 ft. dist., with a healed blaze.

A cedar, 54 ins. diam., bears N. 29° W., 62.7 ft. dist., with a healed blaze.

Alongside is an aluminum fence post.

From the corner

N. 1° 12' 14" E., 180 ft. dist., creek, 3 ft. wide, course N. 30° W.

N. 89° 18' 44" E., 100 ft. dist., creek, 12 ft. wide, course N. 30° W.

The S 1/16 sec. cor. of secs. 11 and 12, established by Roberts, PLS No. 1039, in 1981, and is accepted as the cor., monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with a brass cap mkd.

	PLS 1039		
T21S	S 11	S 12	R8W
	S 1/16		
	1981		

from which the bearing trees mkd. by Roberts

A fir, 24 ins. diam., bears N. 67 1/2° E., 38.7 ft. dist., with a healed blaze.

A fir, 20 ins. diam., bears N. 6° W., 38.7 ft. dist., with a healed blaze.

Alongside is a steel fence post.

From the corner

N. 1° 12' 27" E., 15 ft. dist., dry creek, 3 ft. wide, course S. 40° E., and 175 ft. dist., Ridge, bears S. 30° E. and N. 30° W.

The 1/4 sec. cor. of secs. 11 and 12, reestablished by Roberts, PLS No. 1039, in 1981; there is no remaining evidence of the original cor. and this position is accepted as a careful and faithful reestablishment of the cor., monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with a brass cap mkd.

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Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 8 W., Willamette Meridian, Oregon

	PLS 1039		
T21S	S 11	S 12	R8W
	1/4		
	1981		

from which the remains of the bearing trees mkd. by Roberts

- A decayed fir stump, 31 ins. diam., bears N. 84 1/2° E., 56.4 ft. dist., with scribe marks S12 B visible on an open blaze.
- A decayed fir stump, 34 ins. diam., bears S. 41 3/4° E., 98.4 ft. dist., with no marks visible.
- A decayed fir stump, 10 ins. diam., bears S. 59 1/2° W., 103.2 ft. dist., with no marks visible.

and new bearing trees

- A fir, 18 ins. diam., bears N. 88 1/4° E., 28.2 ft. dist., mkd. 1/4 S12 BT.
- A fir, 18 ins. diam., bears N. 85° W., 44.6 ft. dist., mkd. 1/4 S11 BT.

Alongside is a steel fence post.

Corner falls on steep sidehill, slopes East.

The cor. of secs. 1, 2, 11, and 12, monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above ground, with a brass cap mkd.

T 21 S	R 8 W
S 2	S 1

S 11	S 12
1954	

from which the remains of an original bearing tree

- A fir and cedar stump, 61 ins. diam., bears S. 71° W., 62.7 ft. dist., with a healed blaze.

and the remains of the bearing trees mkd. by Lytle, et al, in 1952-54

- A fir stump, 31 ins. diam., bears N. 44° E., 42.2 ft. dist., with no marks visible and an aluminum cap.
- A decayed hemlock stump, size indeterminate, bears S. 8 1/4° E., 23.8 ft. dist., with a healed blaze.
- A decayed fir stump, 14 ins. diam., bears N. 7° W., 5.3 ft. dist., with a healed blaze.

and new bearing trees

23121

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 8 W., Willamette Meridian, Oregon**

- A fir, 8 ins. diam., bears N. 44 1/2° E., 21.8 ft. dist., mkd. T21S R8W S1 BT.
- A fir, 11 ins. diam., bears S. 52 1/4° E., 26.8 ft. dist., mkd. T21S R8W S12 BT.
- A fir, 7 ins. diam., bears S. 68 1/2° W., 12.6 ft. dist., mkd. T21S R8W S11 BT.
- A fir, 10 ins. diam., bears N. 41 1/4° W., 5.2 ft. dist., mkd. T21S R8W S2 BT.

Alongside is a steel fence post.

Point for the E 1/16 sec. cor. of secs. 1 and 12.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with a brass cap mkd.

S 1
E 1/16 ———
S 12
2013

from which

- A fir, 8 ins. diam., bears S. 71 3/4° E., 2.8 ft. dist., mkd. E1/16 S12 BT.
- A fir, 7 ins. diam., bears N. 16 1/2° W., 7.7 ft. dist., mkd. E1/16 S1 BT.

Alongside is a steel fence post.

The 1/4 sec. cor. of secs. 1 and 12, monumented with an iron post, 1 in. diam., firmly set, projecting 10 ins. above ground, with a brass cap mkd.

S 1
1/4 ———
S 12
1954

from which the remains of the bearing trees mkd. by Lytle, et al, in 1952-54

- A decayed fir stump, 80 ins. diam., bears S. 14° E., 19.1 ft. dist., with no marks visible.
- A decayed cedar stump, 31 ins. diam., bears N. 49° W., 16.5 ft. dist., with no marks visible.

and a bearing tree mkd. by Glenn and Jelley in 1967

- An alder, 15 ins. diam., bears N. 55° W., 57.4 ft. dist., with illegible scribe marks visible on a partially healed blaze.

and a new bearing tree

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 8 W., Willamette Meridian, Oregon**

A fir, 16 ins. diam., bears S. 23° W., 8.8 ft. dist., mkd. 1/4 S12 BT.

**Subdivision of Section 12,
T. 21 S., R. 8 W., Willamette Meridian, Oregon**

The center S 1/16 sec. cor. of sec. 12, established by Roberts, PLS No. 1039, in 1981, and is accepted as the cor., monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 16 ins. above ground, with a brass cap mkd.

	PLS 1039	R8W
T21S	S 12	
	CS 1/16	
	1981	

from which the remains of the bearing trees mkd. by Roberts

A decayed fir stump, 15 ins. diam., bears N. 14° E., 58.0 ft. dist., with no marks visible.

A decayed cedar stump, 35 ins. diam., bears S. 69 3/4° E., 22.6 ft. dist., with no marks visible.

and new bearing trees

A fir, 12 ins. diam., bears N. 12 3/4° E., 14.9 ft. dist., mkd. CS1/16 S12 BT.

An alder, 9 ins. diam., bears S. 33° E., 5.7 ft. dist., mkd. CS1/16 S12 BT on bark.

Alongside is a steel fence post and a rebar, 1/2 in. diam., projecting 3 ft. above ground.

Point for the center 1/4 sec. cor. of sec. 12,

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with a brass cap mkd.

T 21 S	R 8 W
C 1/4 S 12	
2013	

from which

A fir, 17 ins. diam., bears N. 38 1/4° E., 17.7 ft. dist., mkd. C1/4 S12 BT.

A maple, 13 ins. diam., bears S. 64 3/4° E., 7.0 ft. dist., mkd. C1/4 S12 BT on bark.

Alongside is a steel fence post.

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**Subdivision of Section 12,
T. 21 S., R. 8 W., Willamette Meridian, Oregon**

Point for the NE 1/16 sec. cor. of sec. 12.

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with a brass cap mkd.

NE 1/16 S 12
2013

from which

A fir, 13 ins. diam., bears S. 7° E., 9.1 ft. dist., mkd. NE 1/16 S12 BT.

A fir, 23 ins. diam., bears N. 87 1/4° W., 8.4 ft. dist., mkd. X BT.

Alongside is a steel fence post.

The SW 1/16 sec. cor. of sec. 12, established by Roberts, PLS No. 1039, in 1981, and is accepted as the cor., monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with a brass cap mkd.

PLS 1039
T21S SW 1/16 S 12 R8W
1981

from which the bearing trees mkd. by Roberts

A fir, 23 ins. diam., bears N. 55 3/4° E., 41.9 ft. dist., with a healed blaze.

A hemlock, 32 ins. diam., bears N. 34 3/4° W., 63.2 ft. dist., with a healed blaze.

Alongside is a steel fence post.

From the corner

S. 89° 44' 09" W., 50 ft. dist., Creek, 3 ft. wide, course North.
