

23266

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY
(FIFTH STANDARD PARALLEL SOUTH),
THE SUBDIVISIONAL LINES,
AND SUBDIVISION OF SECTION LINES OF SECTION 13,
TOWNSHIP 23 SOUTH, RANGE 8 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON

EXECUTED BY

Edith M. Forkner, Cadastral Surveyor

Under Special Instructions approved September 15, 2014,
and Supplemental Special Instructions approved October 11, 2014,
which provided for the surveys included under Group No. 2772,
and Assignment Instructions dated September 15, 2014,
and Supplemental Assignment Instructions dated October 11, 2014.

Survey commenced September 17, 2014

Survey completed November 19, 2014

T. 23 S., R. 8 W., Willamette Meridian, Oregon

The following field notes are those of the dependent resurvey of a portion of the north boundary (Fifth Standard Parallel South), the subdivisional lines, and subdivision of section lines of section 13, Township 23 South, Range 8 West, Willamette Meridian, Oregon.

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

In 1855, Harvey Gordon and Charles T. Gardener, U.S. Deputy Surveyors, surveyed a portion of the Fifth Standard Parallel South and established corners on the south boundary of T. 22 S., R. 8 W., and on the north boundary of T. 23 S., R. 8 W., as shown on the official plats of survey approved February 20, 1856, and April 24, 1858.

In 1857, Dennis Hathorn, U.S. Deputy Surveyor, surveyed a portion of the east boundary and subdivisional lines, as shown on the official plat of survey approved April 24, 1858.

In 1894, Williams R. Whipple, U.S. Deputy Surveyor, retraced a portion of the subdivisional lines and surveyed the remainder of the subdivisional lines as shown on the official plat of survey approved June 27, 1895.

In 1963-65, Floyd A. Brooks and James E. Jelley, Cadastral Surveyors, dependently resurveyed a portion of the east boundary as shown on the official plat of survey accepted August 20, 1965.

In 1964, Floyd A. Brooks and Peter A. Peterson, Cadastral Surveyors, dependently resurveyed a portion of the south boundary (Fifth Standard Parallel South) of T. 22 S., R. 8 W., as shown on the official plat of survey accepted March 24, 1966.

In 1967-68, Peter A. Peterson, Cadastral Surveyor, dependently resurveyed a portion of the north boundary (Fifth Standard Parallel South) and subdivisional lines as shown on the official plat of survey accepted May 20, 1971.

In 1970, James E. Jelley, Cadastral Surveyor, dependently resurveyed a portion of the subdivisional lines and subdivided section 13, as shown on the official plat of survey accepted April 19, 1972.

In 1986, John A. Farmer, Cadastral Surveyor, correctively resurveyed a portion of the east boundary and subdivisional lines, and correctively surveyed the subdivision of section lines of section 13, as shown on the official plat of survey accepted September 30, 1988.

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

<u>Date</u>	<u>Name and Registration Number</u>	<u>File Number</u>
1959	Douglas County Surveyor's Office	CS 49/49
1967	Douglas County Surveyor's Office	CS 54/12
1987	Les Roberts, PLS No. 1039	M103-74 and CS 63/46
1988	Robert G. Dean, PLS No. 1808	M107-14 and CS 63/67
1992	Robert L. Dolan, PLS No. 1076	M115-68

The survey was executed in accordance with the specification set forth in the Manual of Surveying Instructions (2009), and the special instructions approved September 15, 2104, and the supplemental special instructions approved October 11, 2014, for Group No. 2772, Oregon.

T. 23 S., R. 8 W., Willamette Meridian, Oregon

The directions of the lines are based on the true meridian as determined by Global Positioning System (GPS) techniques and carried forward by sustained angulation using conventional survey techniques. All measurements along the lines were derived through the use of electronic measuring equipment. Measured distances and directions have been adjusted by computer software that incorporates a least squares adjustment routine. The adjusted mean bearings and mean horizontal ground elevation 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.

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.

Each 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.

An aluminum angle iron, 5 ft. long, was driven alongside all corners unless an existing guard post was otherwise noted in the corner description. Only those lines bounding Federal interest land were blazed.

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

The north 1/16 corner of sections 3 and 4:

Latitude: 43° 36' 08.743" N. Longitude: 123° 38' 38.094" W.

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 OPUS:

The standard corner of sections 2 and 3 only, on the north boundary of the township (Fifth Standard Parallel South):

Latitude: 43° 36' 22.98" N. Longitude: 123° 37' 26.06" W.

The north 1/16 section corner of sections 13 and 18, on the east boundary of the township:

Latitude: 43° 34' 24.95" N. Longitude: 123° 35' 03.03" W.

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Dependent Resurvey of a Portion of the North Boundary
(Fifth Standard Parallel South),
T. 23 S., R. 8 W., Willamette Meridian, Oregon

The standard cor. of secs. 2 and 3 only, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with a brass cap mkd.

S 3	S 2
T 23 S	R 8 W
S C	
1964	

from which the bearing trees mkd. by Whipple in 1894

- A fir, 52 ins. diam., bears S. 25° E., 38.9 ft. dist., with a healed blaze and axe marks B and T on either side of a tag. (Record, S. 32 1/2° E.)
- A maple, 23 ins. diam., bears S. 7° W., 34.3 ft. dist., no marks visible. (Record, S. 3° W.)
- A fir, 55 ins. diam., bears N. 80° W., 42.9 ft. dist., with a healed blaze.

The cor. of secs. 34 and 35 only, on the S. bdy. of T. 22 S., R. 8 W., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above ground, with a brass cap mkd.

T 22 S	R 8 W
S 34	S 35
T 23 S	R 8 W
S 3	
1968	

from which the original bearing trees

- A fir, 58 ins. diam., bears N. 53° E., 84.5 ft. dist., with a healed blaze.
- A maple, 24 ins. diam., bears N. 29° W., 31.7 ft. dist., with a decayed, hollowed-out blaze. (Record, N. 33° W.)

and a bearing tree mkd. by Peterson in 1967-68

- A fir, 31 ins. diam., bears N. 33° W., 118.1 ft. dist., with a healed blaze. (Record, N. 34° W.)

From this cor., a point established by person(s) unknown bears S. 48° 38' 24" W., 0.88 ft. dist., monumented with an iron pipe, 1 in. diam., firmly set, projecting 9 ins. above ground.

From this same cor., a point established as the E 1/16 sec. cor. of sec. 34, on the S. bdy. of T. 22 S., R. 8 W., by Dolan, PLS No. 1076, in 1992, bears N. 89° 38' 49" W., 1319.01 ft. dist., and is not utilized in this survey; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 3 ins. above ground, with a yellow plastic cap mkd. LS 1076. A steel fence post is alongside the monument.

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Dependent Resurvey of a Portion of the North Boundary
(Fifth Standard Parallel South),
T. 23 S., R. 8 W., Willamette Meridian, Oregon

Note: On Dolan's plat of survey the E 1/16 sec. cor. of sec. 34 is established at midpoint between the cor. of secs. 34 and 35 and the calculated position for the 1/4 sec. cor. of sec. 34, on the S. bdy. of T. 22 S., R. 8 W. The calculated position he utilized for the 1/4 sec. cor. of sec. 34 was at proportionate measurement between the 1/4 sec. cor. of sec. 3 and the W 1/16 sec. cor. of sec. 3, on the N. bdy. of T. 23 S., R. 8 W., established by Peterson in 1967-68. This position places the 1/4 sec. cor. of sec. 34 at approximately record dist. from the standard cor. of secs. 34 and 35 instead of at proportionate dist. between the cor. of secs. 34 and 35 and the angle point on the N. bdy. of sec. 3, of T. 23 S., R. 8 W.

The 1/4 sec. cor. of sec. 3 only, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above ground, with a brass cap mkd.

1/4 —————
S 3
T 22 S R 8 W
1967

from which the remains of the bearing trees mkd. by Peterson in 1967-68

- A fir, 25 ins. diam., bears S. 46° E., 17.5 ft. dist., with a healed blaze. (Record, white fir, 18.5 ft. dist.)
- A decayed fir stump, 13 ins. diam., bears S. 37° W., 17.6 ft. dist., no marks visible. (Record, S. 41° W., 18.5 ft. dist.)

and a new bearing tree

- A white fir, 16 ins. diam., bears S. 41 1/2° W., 22.0 ft. dist., mkd. 1/4 S3 BT.
-

The W 1/16 sec. cor. of sec. 3 only, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with a brass cap mkd.

W 1/16 —————
S 3
1967

from which the bearing trees mkd. by Peterson in 1967-68

- A white oak, 19 ins. diam., bears S. 83° E., 27.7 ft. dist., with scribe mark O visible on bark.
- A white oak, 17 ins. diam., bears S. 63° W., 20.5 ft. dist., no marks visible.

Corner is located under a brace in a wire fence, extends E. and W.

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**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 8 W., Willamette Meridian, Oregon**

The 1/4 sec. cor. of secs. 12 and 13, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 3 ins. above ground, with a brass cap mkd.

S 12
1/4 —————
S 13
T 23 S R 8 W
1986

from which the bearing trees mkd. by Jelley in 1970, reused by Farmer in 1986

A cedar, 25 ins. diam., bears N. 41 1/4° E., 21.8 ft. dist., with a healed blaze.

A white fir, 35 ins. diam., bears S. 75 3/4° E., 48.2 ft. dist., with a healed blaze.
(Record, hemlock.)

A steel fence post with a U.S. Forest Service Government Survey Corner sign is alongside the monument.

A point on the line bet. secs. 12 and 13, established by Dean, PLS No. 1808, in 1988; and is accepted as angle point No. 1; monumented with an iron rod, 3/4 in. diam., firmly set, projecting 7 ins. above ground, with die marks LS 18 and other illegible die marks on top.

At the corner point

Affix an aluminum cap mkd.

S 12
AP 1 —————
S 13
2014

A steel fence post is alongside the monument.

The cor. of secs. 12 and 13 only, on the E. bdy. of sec. 11, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 18 ins. above ground, with a brass cap mkd.

COUNTY SURVEYORS OFFICE

T 23 S
| S 12
| —————
| S 13
R 8 W BLM
1967 1967

from which the remains of an original bearing tree

A fir snag, 50 ins. diam., bears S. 1° W., 16.5 ft. dist., with no marks visible on open partially healed blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 8 W., Willamette Meridian, Oregon**

and the remains of a bearing tree mkd. by Whipple in 1894

- A roothole bears S. 76° E., 64.0 ft. dist., alongside of which is a down fir, 20 ins. diam., no marks visible.

and the remains of the bearing trees mkd. by the Douglas County Surveyor's Office in 1967

- A maple, 16 ins. diam., bears N. 78° E., 26.4 ft. dist., with a healed blaze. Tree is the most southwesterly of a clump of 4.
- A fir snag, 10 ins. diam., bears S. 25° E., 27.0 ft. dist., with a healed blaze. (Record, S. 26° E., 27.7 ft. dist.)

and a new bearing tree

- A fir, 16 ins. diam., bears N. 77° W., 28.9 ft. dist., mkd. X BT.

There are no new bearing trees available in sec. 13 within limits.

The 1/4 sec. cor. of secs. 9 and 10, perpetuated by the Douglas County Surveyor's Office in 1967, determined at record bearing and dist. from the remains of an original bearing tree

- A tin-capped decayed fir stump, 36 ins. diam., bears S. 72° W., 21.1 ft. dist., no marks visible.

and the remains of the bearing trees mkd. by the Douglas County Surveyor's Office

- A roothole bears N. 64° E., 34.3 ft. dist., alongside of which is a down decayed hemlock, 15 ins. diam., with a healed blaze.
- A decayed hemlock stump, size indeterminate, bears N. 75° W., 21.6 ft. dist., no marks visible.

At the corner point

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

T 23 S R 8 W
1/4
S 9 | S 10
2014

from which

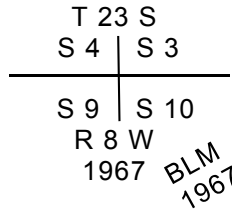
- A fir, 10 ins. diam., bears N. 57° E., 10.0 ft. dist., mkd. 1/4 S10 BT.
 - A fir, 15 ins. diam., bears N. 82° W., 4.9 ft. dist., mkd. 1/4 S9 BT.
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**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 8 W., Willamette Meridian, Oregon**

The cor. of secs. 3, 4, 9, and 10, monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 16 ins. above ground, with a brass cap mkd.

COUNTY SURVEYORS OFFICE



from which the remains of the original bearing trees

- A roothole bears N. 58° E., 40.9 ft. dist., alongside of which is a down fir, 54 ins. diam., no marks visible.
- A roothole bears S. 16° E., 9.9 ft. dist., alongside of which is a down fir, 35 ins. diam., with no scribe marks visible on decayed partially healed blaze.

and the remains of the bearing trees mkd. by the Douglas County Surveyor's Office in 1967

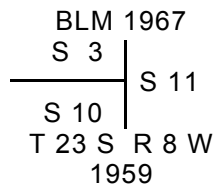
- A fir, 25 ins. diam., bears N. 16° E., 19.8 ft. dist., with a healed blaze.
- A roothole bears S. 16° W., 27.1 ft. dist., alongside of which is a down decayed fir, 11 ins. diam., no marks visible.

and new bearing trees

- A fir, 8 ins. diam., bears S. 31 1/2° E., 20.4 ft. dist., mkd. T23S R8W S10 BT.
- A fir, 8 ins. diam., bears S. 78° W., 11.6 ft. dist., mkd. T23S R8W S9 BT.
- A hemlock, 9 ins. diam., bears N. 30° W., 8.3 ft. dist., mkd. T23S R8W S4 BT.

The cor. of secs. 3 and 10 only, on the W. bdy. of sec. 11, monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 8 ins. above ground, with a brass cap mkd.

COUNTY SURVEYORS OFFICE



from which the remains of the original bearing trees

- A white fir snag, 36 ins. diam., bears N. 32° E., 49.5 ft. dist., with no scribe marks visible on decayed partially healed blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 8 W., Willamette Meridian, Oregon**

A decayed fir stump, 60 ins. diam., bears S. 53° W., 44.9 ft. dist., with a healed blaze.

A fir, 45 ins. diam., bears N. 68° W., 15.9 ft. dist., with a healed blaze. (Record and to face, 14.5 ft. dist.)

and a bearing tree mkd. by the Douglas County Surveyor's Office in 1959

A fir, 16 ins. diam., bears S. 74° W., 42.2 ft. dist., with a healed blaze at waist height.

The 1/4 sec. cor. of secs. 3 and 10, monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with a brass cap mkd.

COUNTY SURVEYORS OFFICE

T 23 S

S 3

1/4 —————

S 10

R 8 W

1967

BLM
1967

from which the remains of an original bearing tree

A tin-capped fir stump, 33 ins. diam., bears N. 32° W., 21.1 ft. dist., with a healed blaze.

and new bearing trees

A fir, 15 ins. diam., bears N. 8° E., 31.4 ft. dist., mkd. 1/4 S3 BT.

A fir, 14 ins. diam., bears S. 57° W., 42.7 ft. dist., mkd. 1/4 S10 BT.

The 1/4 sec. cor. of secs. 3 and 4, monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 10 ins. above ground, with a brass cap mkd.

COUNTY SURVEYORS OFFICE

T 23 S

BLM

1967

1/4 S 4 | S 3

R 8 W

1967

from which an original bearing tree

A fir, 37 ins. diam., bears S. 23° W., 19.8 ft. dist., with no scribe marks visible on open burned partially healed blaze.

and the remains of a bearing tree mkd. by the Douglas County Surveyor's Office in 1967

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 8 W., Willamette Meridian, Oregon**

A decayed hemlock stub, 8 ins. diam., bears S. 31 1/4° E., 6.6 ft. dist., no marks visible. (Record, S. 26° E.)

and a new bearing tree

A fir, 33 ins. diam., bears N. 83° E., 17.0 ft. dist., mkd. 1/4 S3 BT.

Corner is located on a spur, slopes W.

The N 1/16 sec. cor. of secs. 3 and 4, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 1 in. above ground, with a brass cap mkd.

N 1/16
S 4 | S 3
1967

from which the bearing trees mkd. by Peterson in 1967-68

A white fir, 28 ins. diam., bears N. 46 1/2° E., 19.1 ft. dist., with a healed blaze at base and scribe marks \diamond on bark at breast height.

A white fir, 25 ins. diam., bears N. 55° W., 9.2 ft. dist., with a healed blaze. (Record and slope dist., 10.6 ft. dist.)

From the corner

S., 15 ft. dist., graveled road, 10 ft. wide, bears N. 70° E. and S. 70° W.

S., 135 ft. dist., Heddin Creek, 8 ft. wide, course N. 60° E.

The 1/4 sec. cor. of secs. 4 and 9, perpetuated the Douglas County Surveyor's Office in 1967; monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 7 ins. above ground, with a brass cap mkd.

COUNTY SURVEYORS OFFICE
T 23 S
S 4
1/4 —————
S 9
R 8 W
1967

from which the remains of an original bearing tree

A fir stump, 64 ins. diam., bears N. 53° E., 20.5 ft. dist., no marks visible.

and the remains of the bearing trees mkd. by the Douglas County Surveyor's Office

A fir high stump, 9 ins. diam., bears N. 61 1/2° E., 46.5 ft. dist., with no scribe marks visible on partially healed blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 23 S., R. 8 W., Willamette Meridian, Oregon**

A pistol-butt fir snag, 20 ins. diam., bears S. 79° W., 12.4 ft. dist., with illegible scribe marks visible on partially healed blaze.

and new bearing trees

A fir, 12 ins. diam., bears N. 65 1/4° E., 39.4 ft. dist., mkd. 1/4 S4 BT.

A pistol-butt white fir, 12 ins. diam., bears S. 72° E., 11.9 ft. dist., mkd. 1/4 S9 BT.

**Dependent Resurvey of a Portion of the Subdivision of Section Lines of Section 13,
T. 23 S., R. 8 W., Willamette Meridian, Oregon**

The center N 1/16 sec. cor. of sec. 13, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above ground, with a brass cap mkd.

C
 CN 1/16 | S 13
 C
 1986

from which a bearing tree mkd. by Jelley in 1970, reused by Farmer in 1986

A fir, 43 ins. diam., bears S. 23 1/2° E., 31.5 ft. dist., with a healed blaze. (Record, 33.7 ft. dist.)

and the remains of a bearing tree mkd. by Farmer

A yew snag, 7 ins. diam., bears N. 24° W., 41.6 ft. dist., with scribe marks CN1/16 S23 BT visible on open blaze. (Record, N. 20 1/4° W.)

and a new bearing tree

A cedar, 29 ins. diam., bears S. 78 1/2° W., 24.4 ft. dist., mkd. CN1/16 S13 BT.

An aluminum fence post with an International Paper Land Survey Monument sign is alongside the monument.

From the corner

S. 80° E., 311 ft. dist., manhole cover of an underground tank.

S. 25° E., 12 ft. dist., corner of barbed-wire fences, extends S. and E.

The N 1/16 sec. cor. of secs. 13 and 18, on the E. bdy. of the Tp., monumented with a stainless steel post, 2 1/2 ins. diam., firmly set, with top flush with the surface of the ground, with a brass cap mkd.

N 1/16
 S 13 | S 18
 1986

**Dependent Resurvey of a Portion of the Subdivision of Section Lines of Section 13,
T. 23 S., R. 8 W., Willamette Meridian, Oregon**

from which the remains of a bearing tree mkd. by Farmer in 1986

A white fir snag, 18 ins. diam., bears S. $28\ 1/2^\circ$ W., 83.2 ft. dist., with a healed blaze.

and new bearing trees

A fir, 5 ins. diam., bears S. $15\ 3/4^\circ$ E., 67.5 ft. dist., mkd. N1/16 S18 BT.

A redwood, 6 ins. diam., bears S. $87\ 1/2^\circ$ W., 70.1 ft. dist., mkd. N1/16 S13 BT.

An aluminum fence post with an International Paper Land Survey Monument sign is alongside the monument. The remains of a wire fence, 2 ft. tall, extends W.

The NE 1/16 sec. cor. of sec. 13, established by Roberts, PLS No. 1039, in 1987, verified utilizing the record data from the 1986 Official survey by Farmer, and is accepted as the cor.; monumented with an aluminum rod, 3/4 in. diam., firmly set, projecting 4 ins. above ground, with an aluminum cap mkd.

RLS 1039
S 13
NE 1/16 + COR
1987
T 23 S R 8 W

from which the bearing trees mkd. by Roberts

A white fir, 31 ins. diam., bears N. $67\ 1/4^\circ$ E., 56.9 ft. dist., with a healed blaze.

A cedar, 48 ins. diam., bears N. 14° W., 36.1 ft. dist., with a healed blaze.

An aluminum fence post with an International Paper Land Survey Monument sign is alongside the monument.

From the corner

N., 10 ft. dist., barbed-wire fence, extends E. and W.
