

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

FIELD NOTES
OF THE
DEPENDENT RESURVEY
OF A PORTION OF THE SOUTH BOUNDARY
AND THE SUBDIVISIONAL LINES,
TOWNSHIP 31 SOUTH, RANGE 9 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON

EXECUTED BY

Kevin G. Mulder, Cadastral Surveyor

Under Special Instructions approved November 23, 2016,
which provided for the surveys included under Group No. 2862,
and Assignment Instructions dated November 23, 2016.

Survey commenced November 28, 2016

Survey completed December 5, 2016

T. 31 S., R. 9 W., Willamette Meridian, Oregon

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The following field notes are those of the dependent resurvey of a portion of the south boundary and the subdivisional lines, Township 31 South, Range 9 West, Willamette Meridian, Oregon.

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

In 1883, Richmond S. Dickerson, U.S. Deputy Surveyor, surveyed the north boundary of T. 32 S., R. 9 W., as shown on the official plat of survey approved November 8, 1883.

In 1901, William H. Byars, U.S. Deputy Surveyor, resurveyed the south boundary and surveyed the subdivisional lines as shown on the official plat of survey approved April 3, 1902.

In 1917, Fred Mensch and Gerald A. Sorrels, U.S. Deputy Surveyors, resurveyed the north boundary of T. 32 S., R. 9 W., as shown on the official plat of survey approved June 29, 1918.

In 1973, Lynn M. Roseberry, Cadastral Surveyor, resurveyed a portion of the subdivisional lines as shown on the official plat of survey accepted September 14, 1977.

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 or engineer's last name, Professional Land Surveyor (PLS) No. or Registered Professional Engineer (RPE) No., and year.

<u>Date</u>	<u>Name and Registration Number</u>	<u>File Number</u>
1960	Lorne Swearingen, RPE No. 4186	51/68
1965	Milner L. Larson, RPE No. 3642	51/68
2009	Tony Hostetter, PLS No. 1975	65/66-13 65/66-15 65/66-16
2015	David A. Edwards, PLS No. 2339	65/87-4

The survey was executed in accordance with the specification set forth in the Manual of Surveying Instructions (2009), and the Special Instructions approved November 23, 2016, for Group No. 2862, 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 GPS and conventional survey techniques. 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

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retracement data were thoroughly verified and only the true line field notes are given herein.

Only those lines which represent the Bureau of Land Management (BLM) property lines were posted with aluminum angle posts, 5 feet long, 1 inch x 1 inch, blazed, painted, and tagged with BLM boundary signs.

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.

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

The corner of sections 27, 28, 33, and 34:

Latitude: 42° 50' 19.81" N. Longitude: 123° 45' 40.50" W.

The corner of sections 34 and 35 only, on the south boundary of the township:

Latitude: 42° 49' 28.48" N. Longitude: 123° 44' 28.84" W.

**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 9 W., Willamette Meridian, Oregon**

Restoring the 1883 survey by Richmond S. Dickerson,
the 1901 resurvey by William H. Byars, and the 1917
resurvey by Fred Mensch and Gerald A. Sorrels

Beginning at the cor. of secs. 34 and 35 only, perpetuated by the Douglas County Surveyor's Office in 1967, recorded in C.S. File 54/32, monumented with an iron post, 2 ins. diam., firmly set, projecting 13 ins. above the ground, with brass cap mkd.

T 31 S R 9 W
S 34 | S 35

1917

from which a bearing tree mkd. by Mensch and Sorrels in 1917

A fir, 35 ins. diam., bears N. 1 1/4° E., 328.9 ft. dist., with a healed blaze.
(Record, N. 1 1/2° E., 330.0 ft.)

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

A fir, 23 ins. diam., bears N. 35 1/2° E., 32.4 ft. dist., with a healed blaze.

**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 9 W., Willamette Meridian, Oregon**

FEET	
	<p>A fir, 24 ins. diam., bears N. 40 1/4° W., 26.9 ft. dist., with a healed blaze.</p> <p>S. 89° 10' 37" W., bet. secs. 3 and 34.</p>
1234.65	<p>The 1/4 sec. cor. of sec. 3 only, T. 32 S., R. 9 W., determined at record bearing and distance from a bearing tree mkd. by Mensch and Sorrels in 1917</p>
	<p>A fir, 40 ins. diam., bears S. 67° W., 56.8 ft. dist., with a healed blaze.</p>
	<p>The monument set by Mensch and Sorrels, an iron post, 1 in. diam., 18 ins. long (Record, 36 ins.) with brass cap mkd. 1/4 S3 1917, was found lying loose in the root wad of an uprooted tree.</p>
	<p>At the corner point</p>
	<p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, in a collar of stone, with brass cap mkd.</p>
	<p align="center">T 31 S R 9 W ----- 1/4 S 3 T 32 S R 9 W 2016</p>
	<p>and a new bearing tree</p>
	<p>A fir, 7 ins. diam., bears S. 47 1/4° E., 24.3 ft. dist., mkd. 1/4 S3 BT.</p>
	<p>Deposit a magnet in a white plastic case at the base and bury the General Land Office iron post horizontally alongside the stainless steel post.</p>
	<p align="center">-----</p> <p>S. 89° 03' 51" W., beginning new measurement.</p>
1195	<p>Road, chip sealed surface, 15 ft. wide, bears N. and S.</p>
1393.70	<p>The 1/4 sec. cor. of sec. 34 only, perpetuated by Swearingen, RPE No. 4186, in 1960, further perpetuated by Larson, RPE No. 3642, in 1965, and further perpetuated by Hostetter, PLS No. 1975, in 2009, under CS 65/66-15; monumented with a hexagonal drill steel, 7/8 in. across top, flat to flat, firmly set, projecting 6 ins. above the ground, from which the remains of an original bearing tree</p>
	<p>A badly decayed fir stump, size indeterminate, bears N. 27° W., 15.2 ft. dist., with illegible scribe marks visible on exposed face.</p>
	<p>and a bearing tree mkd. by Swearingen</p>
	<p>A cedar, 30 ins. diam., bears N. 14 1/4° E., 92.2 ft. dist., with a healed blaze.</p>
	<p>and a bearing tree mkd. by Larson</p>

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**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 9 W., Willamette Meridian, Oregon**

FEET	
	<p>A fir, 24 ins. diam., bears S. 16° W., 88.2 ft. dist., with a healed blaze. and bearing trees mkd. by Hostetter</p> <p>A fir, 11 ins. diam., bears N. 29 1/4° E., 8.3 ft. dist., with a healed blaze and a spike in the face.</p> <p>A fir, 10 ins. diam., bears S. 16° E., 3.4 ft. dist., with a healed blaze and a spike in the face.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 23 ins. in the ground, directly over the hexagonal drill steel, with brass cap mkd.</p> <p style="text-align: center;">T 31 S R 9 W 1/4 S34</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">T 32 S R 9 W 2016</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>Note: No remaining evidence of the iron post monument as established by Mensch and Sorrels in 1917 was found.</p> <hr style="width: 20%; margin: auto;"/> <p>S. 89° 57' 23" W., beginning new measurement.</p>
730	Road, gravel surface, 12 ft. wide, bears S. 60° E. and N. 60° W.
1100.96	<p>The angle point bet. secs. 3 and 34, perpetuated by the Douglas County Surveyor's Office in 1967, recorded in C.S. File 54/32, and further perpetuated by Hostetter, PLS No. 1975, in 2009, under CS 65/66-13; monumented with an iron post, 1 in. diam., firmly set, projecting 14 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">AP</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">1917</p> <p>from which the remains of an original bearing tree</p> <p>A broken off and rotted fir stump, size indeterminate, bears S. 76° W., 16.5 ft. dist., with a portion of healed blaze visible.</p> <p>and the remains of a bearing tree mkd. by Mensch and Sorrels in 1917</p> <p>A sawed and rotted fir stump, 64 ins. diam., bears N. 61° E., 30.4 ft. dist., with scribe marks AP BT visible on exposed face.</p>

**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 9 W., Willamette Meridian, Oregon**

FEET										
	<p>and the remains of bearing trees mkd. by the Douglas County Surveyor's Office</p> <p>A yew, 10 ins. diam., bears S. 61 3/4° W., 77.1 ft. dist., with a healed blaze.</p> <p>A sawed and rotted fir stump, 15 ins. diam., bears N. 29 1/2° W., 60.0 ft. dist., no marks visible.</p> <p>and the remains of bearing trees mkd. by Hostetter</p> <p>A sawed fir stump, 14 ins. diam., 7 ft. tall, bears N. 2 3/4° E., 43.4 ft. dist., with scribe marks S34 AP BT visible on partially healed blaze and a spike in the face.</p> <p>A fir, 18 ins. diam., bears S. 73 3/4° E., 4.6 ft. dist., with a healed blaze.</p> <p>A fir, 22 ins. diam., bears S. 1 3/4° E., 15.0 ft. dist., with a healed blaze and a spike in the face.</p> <p>A sawed fir stump, 17 ins. diam., 7 ft. tall, bears N. 13 1/4° W., 38.8 ft. dist., with scribe marks S34 AP BT visible on partially healed blaze and a spike in the face.</p> <hr/> <p>S. 88° 54' 55" W., beginning new measurement.</p>									
140.49	<p>The cor. of secs. 3 and 4 only, T. 32 S., R. 9 W., perpetuated by the Douglas County Surveyor's Office in 1967, recorded in C.S. File 54/32, and further perpetuated by Hostetter, PLS No. 1975, in 2009, under CS 65/66-16; monumented with an iron post, 2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd.</p> <div style="text-align: center;"> <hr/> <table border="0"> <tr> <td>S 4</td> <td> </td> <td>S 3</td> </tr> <tr> <td colspan="3">T 32 S R 9 W</td> </tr> <tr> <td colspan="3">1917</td> </tr> </table> </div> <p>from which the remains of a bearing tree mkd. by Mensch and Sorrels in 1917</p> <p>A broken off and rotted fir stump, size indeterminate, bears S. 70° E., 29.0 ft. dist., no marks visible.</p> <p>and the remains of a bearing tree mkd. by the Douglas County Surveyor's Office</p> <p>A sawed fir stump, 28 ins. diam., 7 ft. tall, bears N. 39° W., 37.7 ft. dist., with a double healed blaze.</p> <p>and the remains of bearing trees mkd. by Hostetter</p>	S 4		S 3	T 32 S R 9 W			1917		
S 4		S 3								
T 32 S R 9 W										
1917										

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**Dependent Resurvey of a Portion of the South Boundary,
T. 31 S., R. 9 W., Willamette Meridian, Oregon**

FEET

A sawed fir stump, 10 ins. diam., 8 ft. tall, bears N. 27° E., 4.5 ft. dist., with scribe marks S4 BT visible on partially healed blaze and a spike in the face.

A fir, 12 ins. diam., bears S. 74 1/2° W., 2.4 ft. dist., with a healed blaze.

A sawed fir stump, 17 ins. diam., 9 ft. tall, bears N. 11° W., 19.5 ft. dist., with scribe marks S4 BT visible on partially healed blaze and a spike in the face.

and a new bearing tree

A fir, 12 ins. diam., bears S. 31 1/2° E., 26.2 ft. dist., mkd.
T32S R9W S3 BT.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 9 W., Willamette Meridian, Oregon**

Restoring the 1901 survey by William H. Byars,
and the 1973 resurvey by Lynn M. Roseberry

From the cor. of secs. 27, 28, 33, and 34, perpetuated by Edwards, PLS No. 2339, in 2015, monumented with an iron post, 1 in. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE

T 31 S R 9 W

S 28 | S 27

S 33 | S 34

1967

from which the remains of original bearing trees

A sawed and rotted fir stump, 32 ins. diam., 7 ft. tall, bears S. 65° E., 7.9 ft. dist., with a healed double blaze.

A fir, 27 ins. diam., bears S. 27 3/4° W., 16.5 ft. dist., with a healed double blaze. (Record, S. 31° W.)

and the remains of bearing trees mkd. by Roseberry in 1973

A fir, 20 ins. diam., bears S. 27 1/2° E., 65.3 ft. dist., with a healed blaze.

A sawed fir stump, 17 ins. diam., bears N. 17° W., 28.1 ft. dist., with a healed blaze.

and a bearing tree mkd. by Edwards

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**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 9 W., Willamette Meridian, Oregon**

FEET	
	<p>A fir, 14 ins. diam., bears N. 34 3/4° E., 6.5 ft. dist., with scribe marks T31S R9W S27 BT visible on partially healed blaze.</p>
	<p>and a new bearing tree</p>
	<p>A fir, 4 ins. diam., bears N. 37° W., 7.7 ft. dist., mkd. X at breast height and BT at the base.</p>
	<p>N. 0° 01' 48" W., bet. secs. 27 and 28.</p>
170	<p>Road, natural surface, 12 ft. wide, bears S. 35° E. and N. 35° W.</p>
2480	<p>Road, gravel surface, 12 ft. wide, bears N. 75° E. and S. 75° W.</p>
2638.69	<p>The 1/4 sec. cor. of secs. 27 and 28, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, in a collar of stone, with brass cap mkd.</p>
	<p style="text-align: center;">T 31 S R 9 W 1/4 S 28 S 27 1973</p>
	<p>from which the remains of a bearing tree mkd. by Roseberry in 1973</p>
	<p>A fir, 59 ins. diam., bears S. 72° E., 28.4 ft. dist., with a healed blaze.</p>
	<p>and a new bearing tree</p>
	<p>A fir, 9 ins. diam., bears S. 38 3/4° W., 11.2 ft. dist., mkd. 1/4 S28 BT.</p> <hr/>