

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

FIELD NOTES
OF
THE CORRECTIVE DEPENDENT RESURVEY OF A PORTION OF
THE EAST BOUNDARY,
TOWNSHIP 29 SOUTH, RANGE 8 WEST,
AND THE CORRECTIVE DEPENDENT RESURVEY
OF THE NORTH BOUNDARY OF TRACT NO. 55,
TOWNSHIP 29 SOUTH, RANGE 7 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Timothy J. Moore, Cadastral Surveyor

Robert H. Browning, Surveying Technician

Under Special Instructions dated September 20, 2004, approved September 22, 2004, which provided for the surveys included under Group No. 2072, and Assignment Instructions dated August 10, 2006.

Survey commenced August 14, 2006

Survey completed August 24, 2006

T. 29 S., R. 8 W., Willamette Meridian, Oregon

FEET	<p>The following field notes are those of the corrective dependent resurvey of a portion of the east boundary, Township 29 South, Range 8 West, and the corrective dependent resurvey of the north boundary of Tract 55, Township 29 South, Range 7 West, of the Willamette Meridian, Oregon.</p> <p>In 1854, Nathaniel Ford, U.S. Deputy Surveyor, surveyed the west boundary, Township 29 South, Range 7 West.</p> <p>In 1855, Dennis Hathorn, U.S. Deputy Surveyor, surveyed the east boundary, Township 29 South, Range 8 West.</p> <p>In 1924, Fred Mensch, U.S. Cadastral Surveyor, resurveyed the east boundary, Township 29 South, Range 8 West, and certain tracts were surveyed, Township 29 South, Range 7 West.</p> <p>In 1988-89, Wayne L. Rogers, Cadastral Surveyor, resurveyed a portion of the east boundary, Township 29 South, Range 8 West, and resurveyed Tracts 54 and 55, Township 29 South, Range 7 West.</p> <p>In a letter dated November 14, 2002, from Mark F. Smalley, Professional Land Surveyor, to Tim Moore, Cadastral Surveyor, reported that an error was discovered in the position of the crossing closing corner on the east boundary of T. 29 S., R. 8 W., and the north boundary of Tract 55, T. 29 S., R. 7 W. This corner was established in 1988-89 by Wayne L. Rogers. An investigation of the corner position verified Mr. Smalley's claim, necessitating this corrective action.</p> <p>The survey was executed in accordance with the specifications set forth in the <u>Manual of Surveying Instructions, 1973</u>, and the Special Instructions dated September 20, 2004, for Group No. 2072, Oregon.</p> <p>The survey was performed utilizing both conventional (directly measured angles and distances) and NAVSTAR Global Positioning System (GPS) satellite techniques. The GPS measurements utilized dual frequency, carrier phase GPS receivers. The baselines were computed in and adjusted by least squares analysis. The GPS position of the survey was executed in accordance with the "Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods", version 1.0, dated May 9, 2001, published by the United States Department of the Interior, Bureau of Land Management, and the United States Department of the Agriculture, Forest Service.</p> <p>The directions of the lines refer to the true meridian as determined by a combination of direct solar observations and GPS measurements and carried forward by means of sustained angulation using conventional survey techniques. Directions along the lines were derived through the use of electronic measuring equipment. Conventionally measured distances and directions have been adjusted by computer software that incorporates a least squares adjustment routine. An analysis of the unadjusted field data assured a closure not exceeding 1:4000 in error. The adjusted bearings and distances are reported to the nearest second and 0.01 foot.</p>
------	---

T. 29 S., R. 8 W., Willamette Meridian, Oregon

FEET

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. The retracement data were thoroughly verified and only the true line field notes are given herein.

Each new bearing tree has a 2½ inch X ¼ inch Magnetic nail (MAG-NAIL) driven at the base right side-center, unless otherwise described in the corner description.

The following published stations from the National Spatial Reference System Continuously Operating Reference Station (CORS) were used for control: "ROSEBURG COOP CORS ARP" and "OBEC CONS COOP CORS ARP".

The geographic position (NAD 1983 (CORS 96)) of the ¼ section corner of section 25 only was determined by a direct tie to a temporary point for which a position had been determined, to an accuracy level of less than 0.050 meters or better, 95% confidence level, relative to the National Spatial Reference System Stations noted above.

Latitude: 43° 01' 08.73" N. Longitude: 123° 34' 59.36" W.

**Corrective Dependent Resurvey of a Portion of the East Boundary,
T. 29 S., R. 8 W., Willamette Meridian, Oregon**

(Restoring the 1855 survey by Dennis Hathorn,
the 1924 survey by Fred Mensch,
and the 1988-89 resurvey by Wayne L. Rogers)

Beginning at the ¼ sec. cor. of sec. 25 only, on the E. bdy. of the Tp., monumented with an iron pipe, 1 in. diam., projecting 14 ins. above the ground, loosely set and badly bent, with brass cap mkd.

1/4 |
S25 |
1924

from which the remains of the original bearing trees reported by Rogers

A sawed fir stump, 38 ins. diam., bears S. 55° E.,
18.5 ft. dist., with a healed blaze.

A sawed fir stump, 29 ins. diam., bears S. 46° W.,
20.5 ft. dist., with a healed blaze.

and the remains of bearing trees mkd. by Mensch

A sawed fir stump, 54 ins. diam., bears S. 75° W.,
37.6 ft. dist., with a healed blaze.

A sawed fir stump, 46 ins. diam., bears N. 67° W.,
21.2 ft. dist., with a healed blaze.

Corrective Dependent Resurvey of a Portion of the East Boundary,
T. 29 S., R. 8 W., Willamette Meridian, Oregon

FEET	
	<p>At the corner point</p> <p>Remove the iron pipe, and in its place, set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 29 S 1/4 R 8 W R 7 W S 25 2006</p> </div> <p>from which new accessories</p> <p>An iron rod, 30 ins. long, 5/8 in. diam., driven 29 ins. in the ground for a reference monument, bears S. 13° 31' 29" E., 7.00 ft. dist. with aluminum cap mkd. RM 1/4 S25 2006 7.0 FT TO COR and an arrow pointing to the corner.</p> <p>An iron rod, 30 ins. long, 5/8 in. diam., driven 29 ins. in the ground for a reference monument, bears S. 76° 28' 31" W., 7.00 ft. dist. with aluminum cap mkd. RM 1/4 S25 2006 7.0 FT TO COR and an arrow pointing to the corner.</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post, and bury the bent iron pipe, 36 ins. long, along the west side of the stainless steel post.</p> <p>N. 0° 08' 06" E., on the E. bdy. of sec. 25 and the Tp.</p> <p>Descend over broken NE. slope, through a clear cut.</p>
923.55	<p>Point for the crossing closing corner on line 1-2, Tract 55, T. 29 S., R. 7 W., hereinafter described.</p> <p>Ascend over broken SE. slope, enter timber, edge bears S. 75° E. and N. 75° W.</p>
2178.32	<p>The ¼ sec. cor. of sec. 30 only, T. 29 S., R. 7 W., monumented with an iron post, 1 in. diam., firmly set, projecting 16 ins. above the ground, with brass cap mkd</p> <div style="text-align: center;"> <p> 1/4 S30 1924</p> </div> <p>from which the remains of bearing trees mkd. by Mensch</p> <p>A sawed fir stump, 34 ins. diam., bears N. 17° E., 50.2 ft. dist., with a healed blaze.</p> <p>A sawed fir stump, 35 ins. diam., bears S. 20° E., 27.1 ft. dist., with fragmentary scribe marks visible on an opened blaze.</p>

**Corrective Dependent Resurvey of a Portion of the East Boundary,
T. 29 S., R. 8 W., Willamette Meridian, Oregon**

F E E T	<p>and bearing trees marked by James W. Byron, Deputy County Surveyor, in 1962, recorded in the Douglas County Surveyors Record of Government Corners Renewed, T. 29 S., R. 8 W., Point Identifier No. 700273</p> <p style="padding-left: 40px;">A madrone, 16 ins. diam., bears N. 21° E., 75.2 ft. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A madrone, 24 ins. diam., bears N. 52½° W., 26.4 ft. dist., with a healed blaze.</p> <hr/> <p style="text-align: center;">Corrective Dependent Resurvey of the North Boundary of Tract 55, T. 29 S., R. 7 W., Willamette Meridian, Oregon</p> <hr/> <p style="text-align: center;">(Restoring the 1924 survey by Fred Mensch and the 1988-89 resurvey by Wayne L. Rogers)</p> <hr/> <p>From Cor. No. 1, Tract 55, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">SW 1/16</td> <td style="padding: 0 5px;">S 30</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">AP 1</td> <td style="padding: 0 5px;"></td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">TR 55</td> <td style="padding: 0 5px;"></td> </tr> <tr> <td colspan="2" style="padding: 0 5px;">1924</td> </tr> </table> </div> <p>from which a bearing tree mkd. by Mensch</p> <p style="padding-left: 40px;">A madrone, 27 ins. diam., bears S. 74° W., 35.0 ft. dist., with a healed blaze.</p> <p>and a bearing tree mkd. by Rogers</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears S. 36½° W., 62.7 ft. dist., with a healed blaze.</p> <p>N. 75° 09' 40" W., on line 1-2 of Tract 55.</p> <p>Ascend over SE. slope, along the edge of a clearcut.</p> <p>1386.39 Point for the crossing closing corner at intersection with the E. bdy. of sec. 25 of T. 29 S., R. 8 W.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td colspan="2" style="padding: 0 5px;">T29S</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">R8W</td> <td style="padding: 0 5px;">R7W</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S25</td> <td style="padding: 0 5px;">S30</td> </tr> <tr> <td colspan="2" style="padding: 0 5px;">CCC</td> </tr> <tr> <td colspan="2" style="padding: 0 5px;">TR 55</td> </tr> <tr> <td colspan="2" style="padding: 0 5px;">2006</td> </tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">A stainless steel post, 28 ins. long, 2½ ins. diam., projecting 6 ins. above the ground for a reference monument, bears S. 36° 59' 12" W., 24.2 ft. dist., with brass cap mkd. RM TR 55 24.2 FT TO COR 2006 and an arrow pointing to the corner.</p>	SW 1/16	S 30	AP 1		TR 55		1924		T29S		R8W	R7W	S25	S30	CCC		TR 55		2006	
SW 1/16	S 30																				
AP 1																					
TR 55																					
1924																					
T29S																					
R8W	R7W																				
S25	S30																				
CCC																					
TR 55																					
2006																					

**Corrective Dependent Resurvey of the North Boundary of Tract 55,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

FEET	
	<p align="center">A fir, 7 ins. diam., bears N. 21½° W., 33.6 ft. dist., mkd. S 25 CCC BT.</p> <p>Deposit a magnet in a white plastic case at the base of the stainless steel post.</p> <p>From this point, the crossing closing corner of line 1-2, Tract 55, erroneously established by Wayne L. Rogers, Cadastral Surveyor, in 1988-89, was improperly positioned, and is not accepted as the corner, bears S. 23° 16' 36" W., 25.38 ft. dist., occupied by a sawed fir stump, 46 ins. diam., with no marks remaining, from which accessories mkd. by Rogers</p> <p align="center">A fir, 16 ins. diam., bears N. 84° E., 40.9 ft. dist., with a healed blaze. We obliterate all marks.</p> <p align="center">A stainless steel post, 28 ins. long, 2½ ins. diam., projecting 6 ins. above the ground for a reference monument, bears N. 45° 00' 00" W., 6.6 ft. dist., with brass cap mkd. RM T29S R8W S25 CCC 6.6 FT TO COR 1989 and an arrow pointing to the corner. We remove the marks from the brass cap referring to the point established by Rogers and remark the brass cap as an accessory to the true point for the crossing closing corner.</p>
1620.01	<p>Corner No. 2, Tract 55, monumented with an iron post, 1 in. diam., firmly set, projecting 7 ins. above the ground, with brass cap mkd.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p align="center">AP 2 TR 55 1924</p> </div> <p>from which the remains of a bearing tree mkd. by Mensch</p> <p align="center">A sawed fir stump, 40 ins. diam., bears S. 16° E., 35.0 ft. dist., with a healed blaze.</p> <p>and new bearing trees</p> <p align="center">A cedar, 7 ins. diam., bears S. 7¼° E., 47.5 ft. dist., mkd. AP2 TR55 S25 BT.</p> <p align="center">A fir, 9 ins. diam., bears N. 83½° W., 17.8 ft. dist., mkd. AP2 S25 BT.</p> <hr/>