

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

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

OF A PORTION OF

THE SUBDIVISIONAL LINES

TOWNSHIP 31 SOUTH, RANGE 4 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 February 11, 2000, approved February 11, 2000, which provided for the surveys included under Group No. 1941, and Assignment Instructions dated March 13, 2000.

Survey commenced March 13, 2000

Survey completed September 6, 2000

T. 31 S., R. 4 W., Willamette Meridian, Oregon

FEET	
	<p>The following field notes are those of the dependent resurvey of a portion of the subdivisional lines of township 31 south, range 4 west, of the Willamette Meridian, Oregon.</p> <p>The history of surveys pertaining to this survey is as follows:</p> <p>In 1894, William M. Bushey, U.S. Deputy Surveyor, surveyed a portion of the subdivisional lines.</p> <p>In 1984-86, Wayne L. Rogers, Rick A. McMullen and Lance J. Bishop, Cadastral Surveyors, resurveyed a portion of the north, east, and west boundaries, a portion of the subdivisional lines and subdivided section 30.</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 February 11, 2000, for Group No. 1941, Oregon.</p> <p>The directions of the lines are based on the true meridian as determined by direct solar observations and were carried forward by means of sustained angulation. All measurements along the lines were derived through the use of electronic measuring equipment. Measured distance and direction have been adjusted by Cadastral Measurement Management for Windows (WinCMM), software that incorporates a least squares adjustment routine. The adjusted bearings and distances are reported to the nearest second and 0.01 foot. The Standard Error of Unit Weight (SEUW) for a least squares adjustment of the survey data was checked to assure a value between 0.7 and 2.5. In addition, a post-adjustment comparison of the final adjusted measurements was also checked to assure a ratio not exceeding 1:4000. The comparison was done in the CHECKER routine of WinnCMM, and is reported as the Precision After Orientation Correction.</p> <p>Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. The retracement data were thoroughly verified and only the true line field notes are given herein.</p> <p>Each new bearing tree has a 2½ inch X ¼ inch magnetic nail (MAG-NAIL) driven at the base on the right side-center, unless otherwise described in the corner description.</p> <p>The geographic position (NAD 1983 (91)) of the corner of sections 8, 9, 16, and 17, as determined from a tie to Geodetic Control Station No. 41300, established by the Bureau of Land Management in 2000, is as follows:</p>

T. 31 S., R. 4 W., Willamette Meridian, Oregon

FEET

Latitude: 42° 53' 06.39" N. Longitude: 123° 11' 24.25" W.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 4 W., Willamette Meridian, Oregon**

(Restoring the 1894 Survey by William M. Bushey)

Beginning at the cor. of secs. 9, 10, 15, and 16, monumented with an iron post, 1½ ins. diam., loosely set, projecting 18 ins. above ground, (with an iron post, 1½ ins. diam., driven alongside, projecting 14 ins. above ground, and the original basalt stone, 12 x 7 x 6 ins., mkd. with 3 and 4 notches lying loose alongside) with 2½ in. brass cap mkd.

DOUGLAS COUNTY SURVEYORS OFFICE

T 31 S R 4 W

S 9 | S 10

S 16 | S 15

1966

from which the remaining original bearing trees

A fir, 28 ins. diam., bears N. 66° E., 23.1 ft. dist., with a healed blaze.

A fir, 50 ins. diam., bears S. 57° W., 11.2 ft. dist., with a healed blaze.

and a bearing tree mkd. by John M. Powell, Frank Jones, and Joe Brady, of the Douglas County Surveyors Office, corner renewal file, T. 31 S., R. 4 W., No. 400500

A cedar, 27 ins. diam., bears S. 46¾° E., 15.8 ft. dist., with a healed blaze. (Record, S. 49° E.)

and a bearing tree mkd. by Rogers, McMullen, and Bishop

A fir, 14 ins. diam., bears N. 14½° W., 29.0 ft. dist., with a healed blaze.

Reset the 1½ X 20 ins. iron post, 18 ins. in the ground, deposit the original quartz stone and the 1 X 20 ins. iron pipe set by John H.. Markham Jr. in 1959 along side the iron post.

Cor. is located on a N. slope, 20 ft. N. of an overgrown skid road, 15 ft. wide, bears S. 50° E., N. 50° W.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 4 W., Willamette Meridian, Oregon**

FEET	
	S. 89° 58' 07" W., bet. secs. 9 and 16.
	Ascend steep NE. slope through dense reproduction timber.
695	Spur, slopes N. 20° E., desc. broken NW. slope.
990	Ravine, drains N. 28° E., asc. NE. slope.
1470	Spur, slopes North, desc. broken NW. slope.
2570	Ravine, drains N. 20° W., asc. over broken NE. slope.
2585.88	<p>The ¼ sec. cor. of secs. 9 and 16, perpetuated by John H. Markham, Jr., Oregon Registered Professional Engineer No. 2880, in 1951, recorded in the Douglas County Surveyors Office, Record of Government Corners Renewed, T. 31 S., R. 4 W., No. 340500, monumented with an iron pipe, 1 in. diam., firmly set, projecting 6 ins. above ground, and a basalt stone, 8 x 11 x 3 ins., mkd. 1/4, lying loose alongside, from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A sawed fir stump, 44 ins. diam., bears S. 7¾° E., 26.2 ft. dist., with scribe marks 1/4 S visible on opened blaze. (Record, S. 11° E., 25.7 ft.)</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.</p> <div style="text-align: center; padding: 10px 0;"> <p>T 31 S R 4 W</p> <p>S 9</p> <p>¼</p> <p>S 16</p> <p>2000</p> </div> <p>from which</p> <p style="padding-left: 40px;">A hemlock, 14 ins. diam., bears N. 2° E., 2.4 ft. dist., mkd. 1/4 S9 BT.</p> <p style="padding-left: 40px;">A hemlock, 26 ins. diam., bears S. 33° W., 15.2 ft. dist., mkd. 1/4 S16 BT.</p> <p>Deposit a magnet in a white plastic case at the base, the iron pipe inside and bury the original stone alongside, the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 89° 40' 24" W., beginning new measurement.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 4 W., Willamette Meridian, Oregon**

FEET	
	Ascend over broken NE. slope, through second growth timber and dense undergrowth.
120	Creek, 2 ft. wide, course N. 60° E., asc. broken NE. slope.
1015	Dirt road, 20 ft. wide, bears S. 30° E. and N. 30° W.
1220	Dirt road, 20 ft. wide, bears S. 10° E. and N. 10° W.
1390	Top of ridge, bears N. 20° E. and S. 20° W., desc. SW. slope.
1445	Gravel road, 15 ft. wide, bears N. 15° E. and S. 15° W.
1550	Dirt road, 12 ft. wide, bears N. 40° E. and S. 40° W.
2505	Creek, 2 ft. wide, course N. 30° W., asc. steep N. slope.
2625.26	<p>The cor. of secs. 8, 9, 16, and 17, perpetuated by John H. Markham, Jr., Oregon Registered Professional Engineer No. 2880, in 1959, recorded in the Douglas County Surveyors Office, Record of Government Corners Renewed, T. 31 S., R. 4 W., No. 300500 (the truck axle set by Markham was found lying loose on the ground), determined from the original bearing tree</p> <p style="padding-left: 40px;">A hemlock, 32 ins. diam., bears S. 32½° E., 16.5 ft. dist., with no marks visible. (Record, S. 20° E.)</p> <p>and bearing trees mkd. by Markham</p> <p style="padding-left: 40px;">A hemlock, 22 ins. diam., bears N. 22¾° E., 28.9 ft. dist., with a healed blaze. (Record, N. 16° E.)</p> <p style="padding-left: 40px;">A maple, 6 ins. diam., bears S. 70½° E., 8.0 ft. dist., with scribe marks S16 BT visible on a bark blaze. (Record, S. 37° E., 8.5 ft.)</p> <p style="padding-left: 40px;">A hemlock, 19 ins. diam., bears N. 52¼° W., 41.0 ft. dist., with a healed double blaze. (Record, N. 56° W., 42.0 ft. dist.)</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin-top: 20px;"> <p>T 31 S R 4 W</p> <p>S 8 S 9</p> <p style="margin-left: 100px;"> </p> <p>S 17 S 16</p> <p style="margin-left: 100px;"> </p> <p>2000</p> </div>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 31 S., R. 4 W., Willamette Meridian, Oregon**

FEET	<p>from which</p> <p style="padding-left: 40px;">A hemlock, 12 ins. diam., bears S. $88\frac{3}{4}^{\circ}$ W., 24.0 ft. dist., mkd. T31S R4W S17 BT on a double blaze.</p> <p>Deposit a magnet in a white plastic case at the base and the truck axle inside the stainless steel post.</p> <p>From this point, Bureau of Land Management Geodetic Control Station No. EC 41300, determined by the NAVSTAR Global Positioning System, utilizing static, carrier phase receivers, (see the Control Data Sheet attached to these field notes following the General Description) bears N. $70^{\circ} 29' 32''$ E., 1328.73 ft. dist., (mean bearing and sea level dist.), monumented with an aluminum cap, $3\frac{1}{4}$ ins. diam., firmly set, flush with the ground, with top mkd. EC 41300 GPS 2000.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The lands included in the foregoing survey are located in mountainous terrain, approximately 6 miles southerly from the community of Days Creek, Oregon.</p> <p>The elevation ranges from about 2000 ft. above sea level near the cor. of secs. 9, 10, 15, and 16 to about 2900 ft. above sea level in the SW$\frac{1}{4}$ of the SW$\frac{1}{4}$ of sec. 9.</p> <p>The area is drained to the east by the tributaries of Shively Creek and to the west by tributaries of O'Shea Creek.</p> <p>Timber consists of fir, cedar, chinquapin, maple, madrone, and scattered pine. Undergrowth consists of salal, vine maple, rhododendron, huckleberry, and fern.</p> <p>The soil is generally composed of rocky clay, with numerous basalt outcroppings, bluffs, and steep, crumbling rock slopes.</p> <p>Access to the survey was made by paved and gravelled roads branching from Oregon State Highway 227, Shively Creek Road and Beals Creek Road.</p>
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