

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF
THE WILLAMETTE BASE LINE THROUGH
RANGES 33 AND 34 EAST,
EAST BOUNDARY, AND SUBDIVISIONAL LINES
AND THE SUBDIVISION OF SECTION 1,
TOWNSHIP 1 SOUTH, RANGE 33 EAST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Bryan S. Seibold, Cadastral Surveyor

Under Special Instructions dated May 19, 1999, approved May 19, 1999,
which provided for the surveys included under Group No. 1915,
and assignment instructions dated May 20, 1999.

Survey commenced June 2, 1999

Survey completed May 18, 2000

INDEX DIAGRAM

TOWNSHIP 1 SOUTH

RANGE 33 EAST

				8	1
6	5	4	3	2	18 1 12 15
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

T. 1 S., R. 33 E., Willamette Meridian, Oregon

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The following field notes are those of the dependent resurvey of a portion of the Willamette Base Line through ranges 33 and 34 east, east boundary, and subdivisional lines, and the subdivision of section 1, township 1 south, range 33 east, Willamette Meridian, Oregon.

The history of surveys pertaining to this resurvey is as follows:

In 1863, Timothy W. Davenport, U.S. Deputy Surveyor, surveyed the Willamette Base Line through ranges 33 and 34 east.

In 1887, James P. Currin and James E. Noland, U.S. Deputy Surveyors, resurveyed the Willamette Base Line through range 33 east, setting new standard corners, surveyed the east boundary and a portion of the subdivisional lines.

In 1889, James P. Currin, U.S. Deputy Surveyor, retraced a portion of the subdivisional lines forming the boundary of the diminished Umatilla Indian Reservation, and surveyed certain Indian Allotments.

In 1917, L. E. Wilkes, U.S. Surveyor, resurveyed the east, south, west and westerly three miles of the north boundary of the diminished Umatilla Indian Reservation.

In 1917, C. E. Redfield, Surveyor for the U.S. Indian Service, dependently resurveyed a portion of the Willamette Base Line through ranges 33 and 34 east, east boundary and a portion of the subdivisional lines. Redfield also executed an allotment survey/subdivision of section 1. The Redfield monuments were accepted in this survey and used to control the restoration of lost corners. The field notes of the Redfield surveys are on file at the Bureau of Indian Affairs, Umatilla Agency Office, in Pendleton, Oregon.

In 1919, Thomas D. Daley, U.S. Surveyor, correctively resurveyed a portion of the diminished boundary of the Umatilla Indian Reservation.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated May 19, 1999, for Group No. 1915, Oregon.

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 distances and directions have been adjusted

T. 1 S., R. 33 E., Willamette Meridian, Oregon

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by Cadastral Measurement Management (CMM), computer software that incorporates a least squares adjustment routine. The adjusted bearings and distances are reported to the nearest second and 0.01 feet. 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 adjustments to the original unadjusted measurements was also checked to assure a ratio not exceeding 1:4000. This comparison was done in the CHECKER routine of CMM, as is reported as the Precision After Orientation Correction.

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. Lost corners were reestablished and remonumented at proportionate positions based on the 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 on right side-center, unless noted in the corner description.

The geographic position (NAD 1983 (91)) of the 1/4 section corner of sections 1 and 12, as determined by a tie to geodetic control station "N.F. MCKAY", established by the U.S. Forest Service, in 1995, is as follows:

Latitude: 45° 29' 57.97" N. Longitude: 118° 37' 22.61" W.

**Dependent Resurvey of a Portion of the
Willamette Base Line Through R. 34 E.,
Willamette Meridian, Oregon**

(Restoring the survey by Timothy W. Davenport in 1863,
the resurveys by James P. Currin in 1889
and L. E. Wilkes in 1917)

Beginning at the closing cor. of secs. 1 and 6, Tps. 1 S., Rs. 33 and 34 E., hereinafter described.

From this point, the standard 1/4 sec. cor. of sec. 31, reestablished by William R. Wells, Registered Professional Land Surveyor No. 1106, in 1994, recorded in the Umatilla County Surveyors Office, Corner Restoration Form No. 95-16-C, bears S. 89° 58' 26" E., 472.58 ft. dist. There is no remaining evidence of the original corner; therefore, this position is

Dependent Resurvey of a Portion of the
Willamette Base Line Through R. 34 E.,
Willamette Meridian, Oregon

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	<p>accepted as the corner, monumented with an iron post, 1½ ins. diam., firmly set flush with the ground, with brass cap mkd.</p> <p style="text-align: center;">T 1 N R 34 E 1/4 S 31</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">SC</p> <p style="text-align: center;">T 1 S R 34 E 1994 PLS 1106</p> <p>from which bearing trees mkd. and an accessory set by Wells</p> <p>A pine, 8 ins. diam., bears N. 34° E., 97.4 ft. dist., with fragmentary scribe marks visible on partially healed blaze.</p> <p>A pine, 18 ins. diam., bears N. 45¼° E., 125.0 ft. dist., with fragmentary scribe marks visible on partially healed blaze.</p> <p>A pine, 28 ins. diam., bears N. 57¼° E., 87.2 ft. dist., with fragmentary scribe marks visible on partially healed blaze.</p> <p>An iron rod, 5/8 in. diam., firmly set, projecting 1 in. above ground for a reference monument, bears N. 33¼° W., 9.3 ft. dist., with yellow plastic cap mkd. W.R. WELLS PLS 1106.</p> <p>The corner is located N. 62° W., 8 ft. dist., from a fence corner, with barbed wire fences extending E., W. and S.</p> <p>N. 89° 05' 08" W., on the S. bdy. of sec. 31.</p> <p>Ascend over broken E. changing to SE. slope, over open grass land.</p>
1338.95	<p>The E 1/16 sec. cor. of sec. 1, established by C. E. Redfield in 1917, and is accepted as the corner; monumented with an iron post, 1½ ins. diam., firmly set, on the S. side of a rock jack, 3 ft. diam. and 2 ft. high and on the N. side of a wood fence post, projecting 24 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T 1 N R 34 E BASE LINE</p> <hr style="width: 10%; margin: auto;"/> <p style="text-align: center;">1 — 16</p> <p style="text-align: center;">10 - S1</p> <p style="text-align: center;">T 1 S R 33 E</p>

Subdivision of Section 1,
T. 1 S., R. 33 E., Willamette Meridian, Oregon

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460	McKay Creek, 25 ft. wide, course N. 80° W.; asc. over S. slope.
1312.92	The center W 1/16 sec. cor. of sec. 1.
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	From the center S 1/16 sec. cor. of sec. 1.
	N. 89° 13' 21" W., on the E. and W. center line of the SW¼ of sec. 1.
	Across nearly level ground, through scattered trees and dense undergrowth.
910	McKay Creek Road, graveled, 25 ft. wide, bears N. 75° W. and S. 75° E.
1331.43	The SW 1/16 sec. cor. of sec. 1.
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	S. 89° 48' 21" W., beginning new measurement.
	Across nearly level ground.
1015	Begin asc. over NE. slope.
1337.17	The S 1/16 sec. cor. of secs. 1 and 2.
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	GENERAL DESCRIPTION
	<p>The lands included in the foregoing resurvey are located in hilly country on the Umatilla Indian Reservation, approximately 14 miles southeasterly of Pendleton, Oregon. The elevation ranges from approximately 1800 feet above sea level near McKay Creek on the east boundary of section 1, to about 3000 feet above sea level near the standard corner of sections 35 and 36.</p> <p>The area is drained by McKay Creek and the North Fork of McKay Creek, with other small and seasonal drainages throughout. The timber consists mainly of pine and cottonwood trees. The undergrowth is mainly hawthorn brush.</p> <p>Access is gained via South Market Road, Best Road, Motanic Road, Sumac Road, McKay Creek Road and the North Fork McKay Creek Road, with other dirt and unimproved roads branching from them into the area.</p>

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The mean magnetic declination, as obtained from United States Geological Survey quadrangle map "CABBAGE HILL, OREG.", 1966 edition, with photo revisions in 1978, is $19\frac{1}{2}^{\circ}$ East.

CERTIFICATE OF SURVEY

I, Bryan S. Seibold, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 19th day of May, 1999, I have dependently resurveyed a portion of the Willamette Base Line through ranges 33 and 34 east, east boundary and subdivisional lines, and subdivided section 1, township 1 south, range 33 east, of the Willamette Meridian, in the State of Oregon, which are represented in the foregoing field notes as having been executed by me and under my direction. Said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

MARCH 11, 2002
(Date)

Bryan S. Seibold
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Portland, Oregon

The foregoing field notes of the dependent resurvey of a portion of the Willamette Base Line through ranges 33 and 34 east, east boundary and subdivisional lines, and the subdivision of section 1, township 1 south, range 33 east, Willamette Meridian, Oregon, executed by Bryan S. Seibold, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

August 5, 2002
(Date)

Marc L. Thomas acting
(Chief Cadastral Surveyor of Oregon)

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY That the foregoing transcript of the field notes of the above described surveys in T. 1 S., R. 33 E., Willamette Meridian, Oregon, is a true copy of the original field notes.~~

~~_____~~
(Date)

~~_____~~
(Chief Cadastral Surveyor of Oregon)