

R-656

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE
OREGON AND WASHINGTON STATE BOUNDARY,
AND
PORTIONS OF THE SOUTH, EAST, AND WEST BOUNDARIES
AND SUBDIVISIONAL LINES,
THE SUBDIVISION OF SECTIONS 14, 15, 20, 21, 22, AND 26,
AND METES-AND-BOUNDS SURVEY OF THE
THREAD OF HENRY CREEK IN SECTIONS 19, 20, 29, AND 30,
TOWNSHIP 6 NORTH, RANGE 38 EAST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Richard L. Johnson, Cadastral Surveyor

Philip G. Griffin, Cadastral Surveyor

Larry D. Holmes, Cadastral Surveyor

Richard R. Shatto, Cadastral Surveyor

Under Special Instructions dated September 18, 1987,
approved September 18, 1987,
and Supplemental Special Instructions dated May 9, 1990,
approved May 11, 1990,
which provided for the surveys included under Group No. 1405,
and Assignment Instructions dated September 21, 1987,
May 19, 1988, May 16, 1990, and August 29, 1990.

Survey commenced October 13, 1987

Survey completed September 16, 1991

INDEX DIAGRAM

Township 6 North, Range 38 East,

WASHINGTON					
2		4		6	
27 18	17	16 46	15 41	14 34	13
	57	49	45	39	33
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54		42	42	37	31
23 30 52	29	28	27 36	26 30	25
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21		42			
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T. 6 N., R. 38 E., Willamette Meridian, Oregon

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The following field notes are those of the dependent resurvey of a portion of the Oregon and Washington State boundary, and portions of the south, east, and west boundaries and subdivisional lines, the subdivision of sections 14, 15, 20, 21, 22, and 26, and the metes-and-bounds survey of the thread of Henry Creek in sections 19, 20, 29, and 30, township 6 north, range 38 east, Willamette Meridian, Oregon.

In 1864, Daniel G. Major, Astronomer and Surveyor, surveyed the Oregon and Washington State boundary.

In 1865, William H. Odell and William S. Lewis, U. S. Deputy Surveyors, surveyed a portion of the west boundary.

In 1872, George Williams, U. S. Deputy Surveyor, retraced portions of the Oregon and Washington State boundary, and surveyed the south, east, and the remainder of the west boundary and subdivisional lines, T. 6 N., R. 38 E., south of the State boundary. Williams' retracement of the Oregon and Washington state boundary is irreconcilable with the original survey and is not utilized in this resurvey.

In 1879, Francis F. Loehr, U. S. Deputy Surveyor, retraced portions of the Oregon and Washington State boundary and surveyed the east boundary and subdivisional lines of T. 6 N., R. 38 E., north of the State boundary.

In 1883, Rufus S. Moore, U. S. Deputy Surveyor, retraced a portion of the south boundary.

In 1899, William and George R. Campbell, U. S. Deputy Surveyors, retraced a portion of the south boundary.

In 1931, Roy T. Campbell, U. S. Cadastral Engineer, retraced a portion of the Oregon and Washington State boundary.

In 1932, Otis O. Gould, U. S. Transitman, dependently resurveyed a portion of the State boundary, west boundary, and independently resurveyed the south boundary of T. 6 N., R. 39 E.

In 1965, C. Albert White, Cadastral Surveyor, dependently resurveyed a portion of the subdivisional lines of T. 6 N., R. 37 E.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated September 18, 1987, and Supplemental Special Instructions dated May 9, 1990, for Group No. 1405, Oregon.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of the record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented by a variety of means based on the official record. Almost complete absence of original evidence throughout the township, the discovery of major blunders of measurement in the original survey of both the Oregon and Washington State boundary and the south boundary of the township, and the need to preserve

T. 6 N., R. 38 E., Willamette Meridian, Oregon

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the bona fide rights of property owners dictated the use of eclectic methods. The retracement data were thoroughly verified and only the true line field notes are given herein.

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.

Detectable Electronically Energized Particles (DEEP-1 TM) were buried as memorials at certain corner monuments. The DEEP-1 is composed of strontium encased in a color coded plastic container. The units are 1 inch in diameter, 2½ inches long, weigh 2½ ounces, and are magnetically detectable to an average depth of 8 feet.

The geographic position (NAD 1927) of the ¼ section corner of sections 25 and 30 on the west boundary of the township, as determined by a direct tie to United States Geological Survey triangulation station "PIKES PEAK," 1960, is as follows:

Latitude 45° 58' 13.63" N. Longitude 118° 07' 19.60" W.

The mean magnetic declination is 21° East.

**Dependent Resurvey of a Portion of the
Oregon and Washington State Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon**

(Restoring the 1864 survey by Daniel G. Major
and the 1931 resurvey by Roy T. Campbell)

Beginning at the 40 Mile Post, determined from the remaining original bearing tree:

A ponderosa pine, 38 ins. diam., bears N. 86° E., 200 lks. dist., with scribe marks 40M on opened blaze facing W., and illegible scribe marks on opened blaze facing S.

At the corner point

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 10 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

40 M
WASHINGTON
OREGON
1991

from which a new bearing tree

A ponderosa pine, 17 ins. diam., bears S. 3¼° W., 91½ lks. dist., mkd. 40M ORE BT.

Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.

Dependent Resurvey of a Portion of the
Oregon and Washington State Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

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The corner is located on sharp rocky spur, slopes N.

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

(Restoring the 1873 survey by George Williams, the
1883 resurvey by Rufus Moore, the 1899 resurvey
by William G. and George R. Campbell, and the
1932-35 resurvey by Otis O. Gould)

The closing corners established on the S. bdy. by Rufus Moore in
1883 and William G. and George R. Campbell in 1899, were utilized
to control alignment of the S. bdy.

From the SE. cor. of T. 6 N., R. 38 E., monumented with an iron
post, 3 ins. diam., firmly set, protruding 8 ins. above the
ground, with brass cap mkd.

T6N		T6N
R38E		R39E
S 36		S 31

S 6		
T5N		
R39E		
1932		

No suitable trees available.

The corner is located on steep W. slope in undergrowth.

From this point, the SW. cor. of T. 6 N., R. 39 E., bears
S. 2° 15' 00" E., 1.960 chs. dist., monumented with an iron post,
3 ins. diam, firmly set, protruding 15 ins. above the ground, in
a mound of stone, 3 ft. base to top, with brass cap mkd.

T5N		T6N
R39E		R39E
		S 31

		S 6
		1932

No suitable trees available.

The corner is located on steep W. slope.

S. 89° 38' 30" W., on the S. bdy. of sec. 36.

15.310

The ¼ sec. cor. of sec. 6 only, T. 5 N., R. 39 E., monumented with
an iron post, 1 in. diam, firmly set, protruding 5 ins. above the
ground, with brass cap mkd.

¼ S 6
1932

from which the remains of bearing trees mkd. by Gould

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS	
	<p>A root hole, bears S. 56° E., 31 lks. dist., with shattered fir log lying alongside, with illegible scribe marks on rotted blaze. (Record, S. 47° E., 35 lks.)</p>
	<p>A fir, 30 ins. diam., bears S. 9¼° W., 86 lks. dist., with healed blaze. (Record, S. 20° W.)</p>
	<hr/> <p>S. 89° 10' 00" W., beginning new measurement.</p>
	<p>Ascend NE. slope through timber and undergrowth.</p>
5.20	<p>Spur, slopes N. 20° W.</p>
25.305	<p>The ¼ sec. cor. of sec. 36 only, monumented with an iron post, 1 in. diam., firmly set, protruding 8 ins. above the ground, with brass cap mkd.</p>
	<p style="text-align: center;">¼ S 36 ----- 1932</p>
	<p>from which bearing trees mkd. by Gould</p>
	<p>A fir, 32 ins. diam., bears N. 43° E., 33 lks. dist., with healed blaze.</p>
	<p>A spruce, 32 ins. diam., bears N. 22° W., 55 lks. dist., with healed blaze.</p>
	<hr/> <p>N. 89° 48' 30" W., beginning new measurement.</p>
	<p>Descend SW. slope through timber and light undergrowth.</p>
2.35	<p>Dirt road, 30 lks. wide, bears N. 40° W. and S. 40° E.</p>
5.25	<p>Ravine, drains S. 15° W.; asc. SE. slope.</p>
14.840	<p>The corner of Lots 4 and 5 of sec. 6, T. 5 N., R. 39 E., monumented with an iron post, 1 in. diam., firmly set, protruding 8 ins. above the ground, with brass cap mkd.</p>
	<p style="text-align: center;">5 4 S 6 ----- 1932</p>
	<p>from which the remains of a bearing tree mkd. by Gould</p>
	<p>A larch stump, 35 ins. diam., bears S. 42½° E., 36 lks. dist., with scribe marks L4 S6 BT on partially healed blaze.</p>
	<p>and new bearing trees</p>
	<p>A fir, 13 ins. diam., bears S. 57° E., 23½ lks. dist., mkd. L4 S6 BT.</p>

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS															
7.630	<p>A fir, 6 ins. diam., bears S. $51\frac{1}{2}^{\circ}$ W., $51\frac{1}{2}$ lks. dist., mkd. L5 S6 BT.</p> <hr/> <p>S. $87^{\circ} 48' 30''$ W., beginning new measurement.</p> <p>The closing cor. of Tps. 5 N., Rs. 38 and 39 E., monumented with an iron post, 3 ins. diam., firmly set, protruding 8 ins. above the ground, with brass cap mkd.</p> <table border="1" data-bbox="1017 735 1260 989"> <tr><td colspan="2">T6N R38E</td></tr> <tr><td colspan="2">S 36</td></tr> <tr><td>S 1</td><td>S 6</td></tr> <tr><td>R38E</td><td>R39E</td></tr> <tr><td colspan="2">T5N</td></tr> <tr><td colspan="2">C C</td></tr> <tr><td colspan="2">1932</td></tr> </table> <p>from which the remains of bearing trees mkd. by Gould</p> <p>A fir, 14 ins. diam., bears S. 7° E., $45\frac{1}{2}$ lks. dist., with scribe marks T6N BT on partially healed and rotted blaze. (Record, S. 5° E., 45 lks.)</p> <p>A rotted fir stump, 7 ins. diam., bears S. $7\frac{1}{4}^{\circ}$ W., 40 lks. dist., with axe marks. (Record, S. 9° W.)</p> <p>and a new bearing tree</p> <p>A fir, 14 ins. diam., bears S. 63° W., $65\frac{1}{2}$ lks. dist., mkd. T5N R38E S1 CC BT.</p> <hr/>	T6N R38E		S 36		S 1	S 6	R38E	R39E	T5N		C C		1932	
T6N R38E															
S 36															
S 1	S 6														
R38E	R39E														
T5N															
C C															
1932															
18.085	<p>S. $89^{\circ} 09' 30''$ W., beginning new measurement.</p> <p>The cor. of secs. 35 and 36 only, monumented with an iron post, 2 ins. diam., firmly set in mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <table border="1" data-bbox="1039 1781 1238 1965"> <tr><td>T6N</td><td>R38E</td></tr> <tr><td>S 35</td><td>S 36</td></tr> <tr><td colspan="2">T5N R38E</td></tr> <tr><td colspan="2">S 1</td></tr> <tr><td colspan="2">1932</td></tr> </table> <p>from which the remains of an original bearing tree</p> <p>A spruce snag, 6 ins. diam., bears N. $4\frac{1}{2}^{\circ}$ W., 49 lks. dist., no marks. (Record, N. 2° E., 48 lks.)</p> <p>and the remains of a bearing tree mkd. by Gould</p> <p>A fir stump, 24 ins. diam., bears N. $37\frac{1}{2}^{\circ}$ E., $107\frac{1}{2}$ lks. dist., with scribe marks 6N R38E BT on partially healed and rotted blaze. (Record, N $42\frac{1}{2}^{\circ}$ E., 110 lks.)</p> <p>and new bearing trees</p> <p>A spruce, 7 ins. diam., bears N. $11\frac{1}{2}^{\circ}$ E., $41\frac{1}{2}$ lks. dist., mkd. T6N R38E S36 BT.</p>	T6N	R38E	S 35	S 36	T5N R38E		S 1		1932					
T6N	R38E														
S 35	S 36														
T5N R38E															
S 1															
1932															

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS	
	<p>A spruce, 9 ins. diam., bears N. 21$\frac{3}{4}$° W., 58 lks. dist., mkd. T6N R38E S35 BT.</p> <p>The corner is located on Indian Ridge, bears N. 10° E. and S. 10° W.</p> <hr/> <p>S. 89° 46' 30" W., on the S. bdy. of sec. 35.</p> <p>Descend W. slope.</p>
18.70	Graveled road, 20 lks. wide, bears N. 5° W. and S. 5° E.
21.370	<p>Point for the $\frac{1}{4}$ sec. cor. of sec. 1 only, T. 5 N., R. 38 E., at proportionate distance, determined by the broken boundary method based on the 1899 Campbell resurvey. There is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;"> <u>T6N R38E</u> $\frac{1}{4}$ S 1 T5N R38E 1990 </p> <p>from which</p> <p>A fir, 32 ins. diam., bears S. 36$\frac{1}{2}$° E., 66$\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S1 BT.</p> <p>A fir, 19 ins. diam., bears S. 18$\frac{1}{2}$° W., 56 lks. dist., mkd. $\frac{1}{4}$ S1 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on SW. slope, in timber and light undergrowth, 170 lks. N. of a ravine, drains N. 65° W.</p>
25.10	Ravine, drains N. 45° W.; asc. broken NE. slope.
30.90	Ridge, slopes N. 40° W.; desc. SW. slope, through scattered timber and undergrowth.
38.35	Tiger Creek Road, graveled, 50 lks. wide, bears N. 20° W. and S. 20° E.
38.660	<p>Point for the $\frac{1}{4}$ sec. cor. of sec. 35 only, at proportionate distance based on the 1873 Williams survey, there is no remaining evidence of the original corner.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 30 ins. in the ground, the top 2 ins. below the surface, with brass cap mkd.</p> <p style="text-align: center;"> <u>T6N R38E</u> $\frac{1}{4}$ S 35 1990 </p>

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS											
	<p>from which</p> <p>A fir, 10 ins. diam., bears N. $83\frac{1}{2}^{\circ}$ E., 162$\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S35 BT.</p> <p>A fir, 9 ins. diam., bears N. $11\frac{1}{2}^{\circ}$ W., 919 lks. dist., mkd. $\frac{1}{4}$ S35 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on W. shoulder of Tiger Creek Road.</p> <p>Descend broken NW. slope, through dense undergrowth.</p>										
57.65	Dirt road, 20 lks. wide, bears N. 50° W. and S. 50° E.										
60.530	<p>Point for the cor. of secs. 1 and 2 only, T. 5 N., R. 38 E., at proportionate distance, determined by the broken boundary method based on the 1899 Campbell resurvey. There is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>										
	<table style="margin-left: auto; margin-right: auto;"> <tr><td colspan="2" style="text-align: center;">T6N R38E</td></tr> <tr><td colspan="2" style="text-align: center;">S 35</td></tr> <tr><td style="text-align: center;">S 2</td><td style="text-align: center;">S 1</td></tr> <tr><td style="text-align: center;">T5N</td><td style="text-align: center;">R38E</td></tr> <tr><td colspan="2" style="text-align: center;">1990</td></tr> </table>	T6N R38E		S 35		S 2	S 1	T5N	R38E	1990	
T6N R38E											
S 35											
S 2	S 1										
T5N	R38E										
1990											
	<p>from which the remains of a bearing tree mkd. by person(s) unknown</p> <p>A fir snag,, 22 ins. diam., bears N. $81\frac{1}{4}^{\circ}$ W., 55 lks. dist., with scribe marks T6N R38E S36 on opened blaze.</p> <p>and new bearing trees</p> <p>A fir, 8 ins. diam., bears S. $57\frac{1}{2}^{\circ}$ E., 48$\frac{1}{2}$ lks. dist., mkd. T5N R38E S1 BT.</p> <p>A fir, 9 ins. diam., bears S. $38\frac{3}{4}^{\circ}$ W., 121 lks. dist., mkd. T5N R38E S2 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on E. slope in cut over timber and dense undergrowth.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. $88^{\circ} 33' 00''$ W., beginning new measurement.</p>										
12.10	Spur, slopes N. 10° W.; desc. W. slope.										
16.795	<p>Point for the cor. of secs. 34 and 35 only, at proportionate distance based on the 1873 Williams survey. There is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2$\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>										

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS											
	<table border="1"> <tr> <td>T6N</td> <td>R38E</td> </tr> <tr> <td>S 34</td> <td>S 35</td> </tr> <tr> <td colspan="2" style="text-align: center;">S 2</td> </tr> <tr> <td>T5N</td> <td>R38E</td> </tr> <tr> <td colspan="2" style="text-align: center;">1990</td> </tr> </table>	T6N	R38E	S 34	S 35	S 2		T5N	R38E	1990	
T6N	R38E										
S 34	S 35										
S 2											
T5N	R38E										
1990											
	<p>from which</p> <p style="padding-left: 40px;">A fir, 24 ins. diam., bears N. 13° W., 116½ lks. dist., mkd. T6N R38E S34 BT.</p> <p>No suitable tree available in sec. 35.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on NW. slope in cut over timber and dense undergrowth, 220 lks. S. of a graveled road, bears N. 75° E. and S. 45° W.</p> <hr/> <p>S. 88° 33' 00" W., on the S. bdy. of sec. 34.</p>										
1.90	Graveled road, 30 lks. wide, bears N. 35° E. and S. 35° W.										
12.00	Creek, 1 lk. wide, course N. 10° W.; over level ground.										
14.80	Creek, 1 lk. wide, course N. 10° E.; asc. broken E. slope.										
22.225	<p>Point for the ¼ sec. cor. of sec. 2 only, T. 5 N., R. 38 E., at proportionate distance, determined by the broken boundary method based on the 1899 Campbell resurvey. There is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>										
	<table border="1"> <tr> <td>T6N</td> <td>R38E</td> </tr> <tr> <td>¼</td> <td>S 2</td> </tr> <tr> <td>T5N</td> <td>R38E</td> </tr> <tr> <td colspan="2" style="text-align: center;">1990</td> </tr> </table>	T6N	R38E	¼	S 2	T5N	R38E	1990			
T6N	R38E										
¼	S 2										
T5N	R38E										
1990											
	<p>from which</p> <p style="padding-left: 40px;">A spruce, 24 ins. diam., bears S. 82¾° E., 52 lks. dist., mkd. ¼ S2 BT.</p> <p style="padding-left: 40px;">A fir, 12 ins. diam., bears S. 10¼° W., 60 lks. dist., mkd. ¼ S2 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr/> <p>N. 89° 59' 00" W., beginning new measurement.</p>										
16.440	Point for the ¼ sec. cor. of sec. 34 only, at proportionate distance based on the 1873 Williams survey. There is no remaining evidence of the original corner.										

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 15 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T6N R38E <u>¼ S 34</u> T5N R38E 1990</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 5 ins. diam., bears N. 31° E., 119½ lks. dist., mkd. ¼ S34 BT.</p> <p style="padding-left: 40px;">A fir, 6 ins. diam., bears N. 24¾° W., 145½ lks. dist., mkd. ¼ S34 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on steep E. slope.</p>
17.405	<p>Top of sharp rocky spur, slopes N. 30° W. This spur is determined to be the topographic call "Summit of ridge," on the S. bdy. of sec. 34 described in the original field notes, and is utilized in this survey to isolate the measurement blunder in the 1873 Williams survey of the S. bdy. of the Tp. This point is selected as the point for a witness point.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 6 ins. in the ground, to solid rock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">WP T6N R38E <u>S 34</u> S 2 T5N R38E 1990</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 13 ins. diam., bears S. 8° W., 11 lks. dist., mkd. WP S2 BT.</p> <p style="padding-left: 40px;">A fir, 24 ins. diam., bears N. 33° W., 183 lks. dist., mkd. WP S34 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p style="text-align: center;">_____</p> <p>N. 89° 59' 00" W., beginning new measurement.</p> <p>Descend SW slope through timber and undergrowth.</p>
20.65	<p>Spur, slopes N. 30° W.; desc. SW. slope, enter grassy ground.</p>

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS											
21.615	<p>The closing cor. of secs. 2 and 3, T. 5 N., R. 38 E., monumented with the original basalt stone, 20 X 12 X 12 ins., firmly set, mkd. CC on S. side, from which the remains of the original bearing trees:</p> <p>A rotted fir stump, size indeterminate, bears S. 19° E., 122 lks. dist., no marks.</p> <p>A broken fir stump, 17 ins. diam., bears S. 35° W., 44 lks. dist., with scribe marks T5N R38E S3 on rotted blaze.</p> <p>and the remains of bearing trees mkd. by person(s) unknown</p> <p>A broken fir stump, 20 ins. diam., bears S. 67½° W., 60 lks. dist., with illegible scribe marks on opened blaze.</p> <p>A ponderosa pine, 35 ins. diam., bears N. 44½° W., 57½ lks. dist., with scribe marks T6N S35 BT on opened blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 12 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr><td colspan="2">T6N R38E</td></tr> <tr><td colspan="2">S 34</td></tr> <tr><td>S 3</td><td>S 2</td></tr> <tr><td>T5N</td><td>R38E</td></tr> <tr><td colspan="2">1990</td></tr> </table> </div> <p>from which new bearing trees</p> <p>A fir, 12 ins. diam., bears S. 26¾° E., 154 lks. dist., mkd. T5S R38E S2 BT.</p> <p>A fir, 12 ins. diam., bears S. 56½° W., 107 lks. dist., mkd. T5N R38E S3 BT.</p> <p>Deposit the corner stone in the mound of stone and a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on W. slope in a clearing, 90 lks. S. of a spur, slopes N. 30° W.</p>	T6N R38E		S 34		S 3	S 2	T5N	R38E	1990	
T6N R38E											
S 34											
S 3	S 2										
T5N	R38E										
1990											
0.40	Enter timber and undergrowth.										
12.00	Ravine, drains N. 70° W.										
37.90	Spur and trail, 3 lks. wide, bears N. 60° W and S. 60° E.										
38.180	<p>Point for the cor. of secs. 33 and 34 only, at proportionate distance based on the 1873 Williams survey. There is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>										

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS													
	<table border="0"> <tr> <td>T6N</td> <td>R38E</td> </tr> <tr> <td>S 33</td> <td> S 34</td> </tr> <tr> <td colspan="2" style="text-align: center;">-----</td> </tr> <tr> <td colspan="2" style="text-align: center;">S 3</td> </tr> <tr> <td>T5N</td> <td>R38E</td> </tr> <tr> <td colspan="2" style="text-align: center;">1990</td> </tr> </table>	T6N	R38E	S 33	S 34	-----		S 3		T5N	R38E	1990	
T6N	R38E												
S 33	S 34												

S 3													
T5N	R38E												
1990													
	<p>from which</p> <p>A ponderosa pine, 15 ins. diam., bears N. 40½° E., 59 lks. dist., mkd. T6N R38E S34 BT.</p> <p>A fir, 4 ins. diam., bears N. 25½° W., 11 lks. dist., mkd. X BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on SE. slope, 20 lks. S. of a spur and trail, 3 lks. wide, bears N. 60° W. and S. 60° E.</p> <hr/> <p>S. 89° 46' 30" W., on the S. bdy. of sec. 33.</p>												
1.910	<p>Point for the ¼ sec. cor. of sec. 3 only, T. 5 N., R. 38 E., at proportionate distance based on the 1899 Campbell resurvey. There is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;"> <table border="0"> <tr> <td>T6N</td> <td>R38E</td> </tr> <tr> <td>¼ S 3</td> <td></td> </tr> <tr> <td>T5S</td> <td>R38E</td> </tr> <tr> <td colspan="2" style="text-align: center;">1990</td> </tr> </table> </p> <p>from which</p> <p>A fir, 32 ins. diam., bears S. 26½° E., 41 lks. dist., mkd. ¼ S3 BT.</p> <p>A fir, 11 ins. diam., bears S. 10¾° W., 24 lks. dist., mkd. ¼ S3 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on SE. slope, 105 lks. N. of ravine, drains S. 85° E.</p>	T6N	R38E	¼ S 3		T5S	R38E	1990					
T6N	R38E												
¼ S 3													
T5S	R38E												
1990													
10.90	<p>Spur, slopes N. 10° E.; desc. SW. slope.</p>												
42.000	<p>The closing cor. of secs. 3 and 4, T. 5 N., R. 38 E., determined from the remains of the original bearing trees:</p> <p>A larch, 17 ins. diam., bears S. 14¾° E., 43 lks. dist., with scribe marks T5N R38E S on rotted blaze. (Record, S. 26° E.)</p>												

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS													
	<p>A larch snag, 24 ins. diam., bears S. 52° W., 92 lks. dist., with scribe marks 38 4 on partially healed blaze. (Record, S. 53° W.)</p> <p>At the corner point</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;"> <table border="0"> <tr><td>T6N</td><td>R38E</td></tr> <tr><td>S</td><td>33</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>S 4</td><td>S 3</td></tr> <tr><td colspan="2">T5N R38E</td></tr> <tr><td colspan="2">1990</td></tr> </table> </div> <p>from which new bearing trees</p> <p>A fir, 22 ins. diam., bears S. 45½° E., 66 lks. dist., mkd. T5N R38E S3 BT.</p> <p>A fir, 13 ins. diam., bears S. 59½° W., 46 lks. dist., mkd. T5N R38E S4 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 89° 40' 30" W., beginning new measurement.</p>	T6N	R38E	S	33	<hr/>		S 4	S 3	T5N R38E		1990	
T6N	R38E												
S	33												
<hr/>													
S 4	S 3												
T5N R38E													
1990													
6.50	Spur, slopes N. 10° E.; desc. NW. slope.												
19.00	Bottom of descent, over level ground.												
19.330	Point for the ¼ sec. cor. of sec. 33 only, at proportionate distance based on the 1873 Williams survey. There is no remaining evidence of the original corner.												
	<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;"> <table border="0"> <tr><td>T6N</td><td>R38E</td></tr> <tr><td>¼</td><td>S 33</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>T5N</td><td>R38E</td></tr> <tr><td colspan="2">1990</td></tr> </table> </div> <p>from which</p> <p>A fir, 24 ins. diam., bears N. 58½° E., 150 lks. dist., mkd. ¼ S33 BT.</p> <p>A fir, 29 ins. diam., bears N. 23¾° W., 46 lks. dist., mkd. ¼ S33 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on level ground, 30 lks. S. of a creek, dry, 3 lks. wide, drains N. 30° E.</p>	T6N	R38E	¼	S 33	<hr/>		T5N	R38E	1990			
T6N	R38E												
¼	S 33												
<hr/>													
T5N	R38E												
1990													
19.60	Creek, dry, 3 lks. wide, drains N. 30° E.; asc. SE. slope.												

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS	
40.165	<p>The $\frac{1}{4}$ sec. cor. of sec. 4 only, T. 5 N., R. 38 E., perpetuated and recorded by Howard L. Perry, Registered Land Surveyor No. 1294, in 1980, in the Umatilla County Surveyor's Office; monumented with an iron pipe, 1 in. diam., firmly set, protruding 10 ins. above the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">T6N R38E $\frac{1}{4}$ S 4 T5N 1980 OR PLS 1294</p> <p>from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A fir snag, 18 ins. diam., bears S. 7° E., 23 lks. dist., with scribe marks S $\frac{1}{4}$ BT on opened blaze, facing N. 70° W.</p> <p>and bearing trees mkd. by Perry</p> <p style="padding-left: 40px;">A fir, 14 ins. diam., bears S. 72° E., 40 lks. dist., with scribe marks $\frac{1}{4}$ S4 BT on partially healed blaze.</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears S. 7° W., 25 lks. dist., with scribe marks $\frac{1}{4}$ S4 BT on partially healed blaze.</p> <p>The corner is located on NE. slope, 15 lks. S. of a ravine, drains S. 70° E.</p> <hr style="width: 20%; margin: 10px auto;"/> <p style="padding-left: 40px;">S. 89° 00' 30" W., beginning new measurement.</p> <p>Ascend broken NE. slope.</p>
12.20	<p>Top of ascent, edge bears N. 10° W. and S. 10° E.; over level ground through timber and dense undergrowth.</p>
40.505	<p>The cor. of secs. 4, 5, 32 and 33, perpetuated and recorded by Howard L. Perry, Registered Land Surveyor No. 1294, in 1980, in the Umatilla County Surveyor's Office; monumented with an iron pipe, 1 in. diam., firmly set, protruding 8 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">T6N R38E S 32 S 33 S 5 S 4 T5N 1980 OR PLS 1294</p> <p>from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A root hole, bears N. 22° E., 36 lks. dist.</p> <p style="padding-left: 40px;">A root hole, bears S. 65° E., 13 lks. dist., alongside a badly rotted fir log, size indeterminate, with illegible scribe marks on pieces of blaze lying next to the log.</p> <p style="padding-left: 40px;">A root hole, bears S. 65° W., 18 lks. dist. (Record, S. 40° W.)</p>

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS	
	<p>A rotted and shattered fir stump, 17 ins. diam., bears N. 60° W., 38 lks. dist., with scribe marks S33 BT on pieces of blaze lying next to the stump.</p> <p>and bearing trees mkd. by Perry</p> <p>A spruce, 8 ins. diam., bears N. 37° E., 35½ lks. dist., with scribe marks T6N R38E S33 BT on partially healed blaze.</p> <p>A larch, 14 ins. diam., bears S. 27° E., 40½ lks. dist., with scribe marks T5N R38E S4 BT on partially healed blaze.</p> <p>A fir, 12 ins. diam., bears S. 2° W., 22 lks. dist., with scribe marks T5N R38E S5 BT on partially healed blaze.</p> <p>A fir, 17 ins. diam., bears N. 71° W., 78½ lks. dist., with scribe marks T6N R38E S32 BT on partially healed blaze.</p> <hr/> <p>N. 89° 02' 00" W., bet. secs. 5 and 32.</p> <p>Over level ground, through timber and dense undergrowth.</p>
39.075	<p>The ¼ sec. cor. of secs. 5 and 32, reestablished by proportionate measurement by Howard L. Perry, Registered Land Surveyor No. 1294, in 1980, recorded in the Umatilla County Surveyor's Office. There is no remaining evidence of the original corner, therefore, this position is accepted as the corner, monumented with an iron pipe, 1 in. diam., firmly set, protruding 6 ins. above the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T6N R38E</p> <hr style="width: 50px; margin: auto;"/> <p>¼</p> <p>S 5</p> <p>T5N</p> <p>LIC 1294</p> <p>1980</p> </div> <p>from which bearing trees mkd. by Perry</p> <p>A pine, 7 ins. diam., bears S. 30¾° E., 83½ lks. dist., with healed blaze.</p> <p>A fir, 14 ins. diam., bears S. 64° W., 89½ lks. dist., with healed blaze.</p> <hr/> <p>N. 89° 02' 30" W., beginning new measurement.</p>
39.075	<p>The cor. of secs. 5, 6, 31 and 32, perpetuated and recorded by Howard E. Taylor, Registered Engineer No. 2891, in 1956, and perpetuated and recorded by Howard L. Perry, Registered Land Surveyor No. 1294, in 1980, both recorded in the Umatilla County Surveyor's Office; monumented with an iron pipe, 1 in. diam., firmly set, protruding 6 ins. above the ground, with brass cap mkd.</p>

Dependent Resurvey of a Portion of the South Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS

CROWN ZELLERBACH

T6N	R38E
S 31	S 32
S 6	S 5
T5N	
1980	
OR PLS 1294	

from which the remains of an original bearing tree

A rotted stump, size indeterminate, bears N. 38° E., 28 lks. dist., no marks. (Record, N. 36° E.)

and bearing trees mkd. by Taylor

A fir, 24 ins. diam., bears N. 20° E., 43 lks. dist., no marks on opened blaze, also bark scribed OR PLS 1294 by Perry.

A fir, 20 ins. diam., bears N. 9½° W., 15 lks. dist., with scribe marks 31 BT on partially healed blaze.

and bearing trees mkd. by Perry

A fir, 14 ins. diam., bears N. 50° E., 35 lks. dist., with scribe marks T6N R38E S32 BT on partially healed blaze.

A fir, 20 ins. diam., bears S. 79¾° E., 67 lks. dist., with scribe marks T5N R38E S5 BT on partially healed blaze.

A fir, 18 ins. diam., bears S. 1¾° W., 33 lks. dist., with scribe marks T5N R38E S6 BT on partially healed blaze.

The corner is located on steep N. slope, in barbed wire fence, 4 strands, extending W. and 130 lks. E. of a spur, slopes N. 20° W.

Dependent Resurvey of a Portion of the East Boundary,
T. 6 N., R. 38 E., Willamette Meridian, Oregon

(Restoring the 1872 survey by George Williams and
the 1932-35 resurvey by Otis O. Gould)

From the SE. cor. of T. 6 N., R. 38 E.

N. 4° 16' 00" W., on the E. bdy. of sec. 36.

38.250

The ¼ sec. cor. of sec. 31 only, T. 6 N., R. 39 E., monumented with an iron post, 1 in. diam., firmly set, protruding 18 ins. above the ground, with brass cap mkd.

¼	S 31
1932	

from which a bearing tree mkd. by Gould

A fir, 29 ins. diam., bears S. 23° E., 34 lks. dist., with healed blaze.

**Survey of the Thread of Henry Creek in Sections 19, 20, 29 and 30,
T. 6 N., R. 38 E., Willamette Meridian, Oregon**

CHAINS	
N. 18° 41' 30" E., 2.695 chs.	
N. 40° 33' 30" E., 1.685 chs.	At 0.605 chs. intersect the line bet. secs. 19 and 20, 6.115 chs. N. 6° 20' 00" E. of the cor. of secs. 19, 20, 29, and 30; thence in sec. 20.
N. 2° 20' 00" E., 2.300 chs.	
N. 55° 54' 30" E., 2.765 chs.	
N. 29° 53' 30" E., 2.250 chs.	
N. 10° 55' 00" W., 1.510 chs.	
N. 49° 56' 00" E., 3.835 chs.	
N. 7° 17' 30" E., 2.240 chs.	
N. 49° 57' 30" E., 1.560 chs.	
N. 74° 45' 00" E., 2.730 chs.	
N. 33° 06' 00" E., 1.730 chs.	
N. 45° 14' 00" E., 6.640 chs.	
N. 53° 17' 30" E., 1.390 chs.	
N. 18° 16' 00" E., 1.540 chs.	
N. 51° 23' 30" E., 1.815 chs.	
N. 9° 14' 30" E., 1.670 chs.	
N. 43° 47' 00" E., 3.210 chs.	
N. 52° 04' 30" E., 2.455 chs.	
N. 25° 11' 30" E., 3.235 chs.	
N. 47° 13' 30" E., 0.920 chs.	At end of course, intersect the E. and W. center line of sec. 20, 22.460 chs. N. 89° 54' 00" E. of the ¼ sec. cor. of secs. 19 and 20.
GENERAL DESCRIPTION	
<p>The lands included in this survey are located approximately 15 miles southeast of Walla Walla, Washington, in Umatilla County, Oregon. Elevation ranges from 2200 feet to 5500 feet above sea level. The township is cut in half by Mill Creek with many smaller creeks draining into it. The land consists of steep ridges and spurs sloping into Mill Creek. That area east of Tiger Ridge contains the city of Walla Walla, Washington watershed.</p>	

T. 6 N., R. 38 E., Willamette Meridian, Oregon

CHAINS

The timber consists of fir, cedar, pine, yew, larch and alder. The timber is found mainly in the draws and on north slopes. In the wetter areas the undergrowth consists of young timber, salmonberry, vine maple, devils club, and Russian thistle. On the dry south and southeast slopes the undergrowth is grasses and star thistle.

The State boundary and that part of the township north of Mill Creek is accessed by Blue Creek Road. That part south of Mill Creek is accessed by Mill Creek Road, with graveled and dirt roads extending southerly into the township. The east one-half is accessed by Tiger Creek Road. The south boundary of the township is accessed from Government Road, off from Tiger Creek Road.

Improvements are mostly contained along Mill and Henry Creeks, consisting of homes and homesteads. A dam, water supply intake, and caretakers building for the water supply of Walla Walla, Washington, are located on Mill Creek in the northwest quarter of section 22.

The principal money making enterprises are the harvest of timber and the grazing of cattle. No evidence of any mining activity was observed in the area.

The mean magnetic declination for the area is 21° East, with a range of 3° in local attraction, as determined from a considerable number of readings taken along the lines surveyed.

CERTIFICATE OF SURVEY

We, Richard L. Johnson, Philip G. Griffin, Larry D. Holmes, and Richard R. Shatto, Cadastral Surveyors, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 18th day of September 1987, and supplemental special instructions bearing date of the 9th day of May 1990, we have dependently resurveyed a portion of the Oregon and Washington State Boundary, and a portion of the south, east, and west boundaries and subdivisional lines, subdivided sections 14, 15, 20, 21, 22, and 26, and surveyed the metes-and-bounds of the thread of Henry Creek in sections 19, 20, 29, and 30, township 6 north, range 38 east, of the Willamette Meridian, in the State of Oregon, which are represented in the foregoing field notes as having been executed by us and under our direction; and that 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.

3/31/93
Date

Richard L. Johnson
Cadastral Surveyor

4/08/93
Date

Larry D. Holmes
Cadastral Surveyor

4/08/93
Date

Richard R. Shatto
Cadastral Surveyor

May 5, 1993
Date

Philip G. Griffin
Cadastral Surveyor

CERTIFICATE OF APPROVAL

Bureau of Land Management
Portland, Oregon

The foregoing field notes of the dependent resurvey of a portion of the Oregon and Washington State Boundary, and a portion of the south, east, and west boundaries and subdivisional lines, the subdivision of sections 14, 15, 20, 21, 22, and 26, and the metes-and-bounds survey of the thread of Henry Creek in sections 19, 20, 29, and 30, township 6 north, range 38 east, Willamette Meridian, Oregon, executed by Richard L. Johnson, Philip G. Griffin, Larry D. Holmes, and Richard R. Shatto, Cadastral Surveyors, having been critically examined and found correct, are hereby approved.

June 25, 1993
Date

Wayne M. Gardner
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. 6 N., R. 38 E., Willamette Meridian, Oregon, is a true copy of the original field notes.

Date

Chief Cadastral Surveyor of Oregon