

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
OREGON					
25 19 55	20 48	21 43	22 38	23 32	24
54		42	42	37	31
23 30 52	29	28	27 36	26 30	25
		35		35	30
21		42			
31 50	32	33	34 35	35 28	36 19
	18	15	12	10	7

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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	
R38E	
S 36	
<hr/>	
S 6	T6N
T5N	R39E
R39E	S 31
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
<hr/>	
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 1/4 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.

<hr/>	
1/4 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

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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="0" 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 36</td></tr> <tr><td style="text-align: center;">S 1</td><td style="text-align: center;">S 6</td></tr> <tr><td style="text-align: center;">R38E</td><td style="text-align: center;">R39E</td></tr> <tr><td colspan="2" style="text-align: center;">T5N</td></tr> <tr><td colspan="2" style="text-align: center;">C C</td></tr> <tr><td colspan="2" style="text-align: center;">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="0" style="margin-left: auto; margin-right: auto;"> <tr><td style="text-align: center;">T6N</td><td style="text-align: center;">R38E</td></tr> <tr><td style="text-align: center;">S 35</td><td style="text-align: center;">S 36</td></tr> <tr><td colspan="2" style="text-align: center;">T5N R38E</td></tr> <tr><td colspan="2" style="text-align: center;">S 1</td></tr> <tr><td colspan="2" style="text-align: center;">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															

**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

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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