

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

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

CHAINS

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

CHAINS

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

CHAINS

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

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.

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

CHAINS											
	and a new bearing tree										
	A fir, 12 ins. diam., bears N. 32½° E., 49 lks. dist., mkd. ¼ S31 BT.										
	The corner is located on spur, slopes N.										
	N. 2° 41' 00" W., beginning new measurement.										
0.835	The ¼ sec. cor. of sec. 36 only, monumented with an iron post, 1 in. diam., firmly set, protruding 12 ins. above the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.										
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">¼ S 36</td> <td style="border-left: 1px solid black; padding-left: 5px;"></td> </tr> <tr> <td style="text-align: center;">1932</td> <td style="border-left: 1px solid black; padding-left: 5px;"></td> </tr> </table>	¼ S 36		1932							
¼ S 36											
1932											
	from which bearing trees mkd. by Gould										
	A fir, 19 ins. diam., bears S. 74° W., 24 lks. dist., with healed blaze.										
	A fir, 16 ins. diam., bears N. 23½° W., 18 lks. dist., with healed blaze. (Record, N. 30° W.)										
	The corner is located on spur, slopes N.										
	N. 4° 44' 30" W., beginning new measurement.										
23.40	Spur, slopes N. 60° W.; desc. over NE. slope.										
38.795	The cor. of secs. 25 and 36 only, monumented with an iron post, 2 ins. diam., firmly set, protruding 12 ins. above the ground, with brass cap mkd.										
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">T 6 N</td> <td style="border-left: 1px solid black; padding-left: 5px;">T 6 N</td> </tr> <tr> <td style="text-align: center;">S 25</td> <td style="border-left: 1px solid black; padding-left: 5px;">R 39 E</td> </tr> <tr> <td style="text-align: center;">S 36</td> <td style="border-left: 1px solid black; padding-left: 5px;">S 31</td> </tr> <tr> <td style="text-align: center;">R 38 E</td> <td style="border-left: 1px solid black; padding-left: 5px;"></td> </tr> <tr> <td style="text-align: center;">1932</td> <td style="border-left: 1px solid black; padding-left: 5px;"></td> </tr> </table>	T 6 N	T 6 N	S 25	R 39 E	S 36	S 31	R 38 E		1932	
T 6 N	T 6 N										
S 25	R 39 E										
S 36	S 31										
R 38 E											
1932											
	from which the remains of bearing trees mkd. by Gould										
	A fir, 14 ins. diam., bears S. 80° W., 58 lks. dist., with healed blaze.										
	A fir snag, 52 ins. diam., bears N. 45½° W., 74½ lks. dist., with illegible scribe marks on partially healed blaze. (Record, 73 lks.)										
	and a new bearing tree										
	A spruce, 19 ins. diam., bears N. 40½° W., 144½ lks. dist., mkd. T6N R38E S25 BT.										

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

CHAINS

From this point, the closing cor. of secs. 30 and 31, T. 6 N., R. 39 E., bears N. 5° 41' 00" W., 0.290 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, protruding 8 ins. above the ground, with brass cap mkd.

T 6 N		T 6 N
R 38 E		S 30
S 25		-----
		S 31
		R 39 E
C		C
1932		

from which the remains of bearing trees mkd. by Gould

A fir, 16 ins. diam., bears N. 65½° E., 56 lks. dist., with healed blaze. (Record, N. 67° E., 55 lks.)

A shattered fir stump, size indeterminate, bears S. 65½° E., 38½ lks. dist., with scribe marks BT on rotted and broken face. (Record, 37 lks.)

and a new bearing tree

A fir, 17 ins. diam., bears S. 44½° E., 76½ lks. dist., mkd. T6N R39E S31 CC BT.

The corner is located on NE. slope, 115 lks. S. of ravine, drains N. 20° W. and 45 lks. E. of ravine, drains N. 40° W.

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

(Restoring the 1865 survey by William H. Odell and
William S. Lewis, and the 1872 survey by George Williams)

From the ¼ sec. cor. of secs. 31 and 36, perpetuated by Wayne O. Harris, Registered Land Surveyor No. 346, in 1960, recorded in the Umatilla County Surveyor's Office; monumented with the original corner tree, a yew, 6 ins. diam., no marks, from which the remains of the original bearing trees:

A fir snag, 40 ins. diam., bears S. 60° E., 12 lks. dist., mkd. with axe marks on opened blaze. (Record, S. 47° E.).

A root hole, bears S. 38° W., 25 lks. dist.

and a reference monument by Harris

An iron pipe, 2 ins. diam., firmly set, protruding 12 ins. above the ground, bears S. 60¾° E., 1 lk. dist.

and a new bearing tree and reference monument

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

CHAINS

T6N R38E
S 26 | S 25
1991

from which

A fir, 23 ins. diam., bears S. $33\frac{1}{4}^{\circ}$ E., 50 $\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S25 BT.

A fir, 21 ins. diam., bears S. $62\frac{1}{4}^{\circ}$ W., 37 $\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S26 BT.

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

The corner is located on steep N. slope in timber, 180 lks. W. of a spur ridge, bears N. 30° E. and S. 30° W., and 45 lks. E. of a ravine, drains N. 40° W.

From the $\frac{1}{4}$ sec. cor. of secs. 25 and 26, the point for the cor. of secs. 23, 24, 25 and 26, at proportionate distance, bears N. $2^{\circ} 58' 00''$ W., 39.055 chs. dist.; there is no remaining evidence of the original corner. No permanent monument established.

The cor. of secs. 24 and 25 only, on the E. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, protruding 12 ins. above the ground, with brass cap mkd.

T6N T6N
S 24 | R39E
S 25 | S 30
R38E
1932

from which bearing trees mkd. by Gould

A fir, 14 ins. diam., bears S. 48° W., 15 lks. dist., with healed blaze.

A ponderosa pine, 36 ins. diam., bears N. 80° W., 19 lks. dist., with healed double blaze.

The corner is located on SW. slope in timber and light undergrowth, 60 lks. S. of a saddle in a spur, bears E. and W.

From this point, the closing cor. of secs. 19 and 30, T. 6 N., R. 39 E., bears N. $4^{\circ} 46' 30''$ W., 2.500 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, protruding 12 ins. above the ground, with brass cap mkd.

T6N T6N
R38E | S 19
S 24 | S 30 C
R39E C
1932

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

CHAINS	
	<p>from which the remains of bearing trees mkd. by Gould</p> <p>A fir snag, 27 ins. diam., bears N. 25° E., 59½ lks. dist., with healed blaze. (Record, 53 lks.)</p> <p>A fir snag, 22 ins. diam., bears S. 12° E., 20½ lks. dist., with healed blaze. (Record, 22 lks.)</p> <p>and new bearing trees</p> <p>A fir, 18 ins. diam., bears N. 11½° E., 41 lks. dist., mkd. T6N R39E S19 CC BT.</p> <p>A fir, 17 ins. diam., bears S. 65¾° E., 69½ lks. dist., mkd. T6N R39E S30 CC BT.</p> <p>The corner is located on NW. slope in timber and light undergrowth.</p> <p>From this same point, the point for the cor. of secs. 23, 24, 25, and 26, bears S. 89° 42' 30" W., 87.375 chs. dist. This control line was fully retraced and careful search was made for evidence of intervening corners, none of which was recovered.</p> <hr/> <p>From the point for the ¼ sec. cor. of secs. 23 and 24, at proportionate distance; 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> <div style="text-align: center;"> <p>T6N R38E</p> <p>¼</p> <p>S 23 S 24</p> <p>1991</p> </div> <p>from which</p> <p>A ponderosa pine, 43 ins. diam., bears N. 68½° E., 28½ lks. dist., mkd. ¼ S24 BT.</p> <p>A ponderosa pine, 43 ins. diam., bears N. 88½° W., 82½ lks. dist., mkd. ¼ S23 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, 100 lks. W. of open grassland, edge bears N. and S., and 350 lks. W. of Low Ridge Trail, 3 lks. wide, bears N. 30° W. and S. 30° E.</p> <p>From this point, the point for the cor. of secs. 23, 24, 25, and 26, bears S. 6° 26' 00" E., 39.250 chs. dist.</p> <p>N. 6° 26' 00" W., bet. secs. 23 and 24.</p>
3.30	Low Ridge Trail, 3 lks. wide, bears N. 60° W. and S. 60° E.
3.60	Low Ridge, slopes N. 60° W.

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

CHAINS																					
19.625	<p>Point for the N 1/16 sec. cor. of secs. 23 and 24.</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></td><td>N 1/16</td><td></td></tr> <tr><td>S 23</td><td> </td><td>S 24</td></tr> <tr><td></td><td>1991</td><td></td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">A larch, 10 ins. diam., bears S. 9½° E., 73½ lks. dist., mkd. N 1/16 S24 BT.</p> <p style="padding-left: 40px;">A ponderosa pine, 32 ins. diam., bears N. 37° W , 39 lks. dist., mkd. N 1/16 S23 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on gentle SE. slope, 60 lks. E. of a spur, slopes N. 20° E.</p>		N 1/16		S 23		S 24		1991												
	N 1/16																				
S 23		S 24																			
	1991																				
20.30	Spur, slopes N. 20° E.																				
38.80	Broken Creek, 10 lks. wide, course W.																				
39.250	<p>Point for the cor. of secs. 13, 14, 23 and 24, at proportionate distance; 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> <div style="text-align: center;"> <table border="0"> <tr><td></td><td>T6N</td><td>R38E</td><td></td></tr> <tr><td>S 14</td><td> </td><td>S 13</td><td></td></tr> <tr><td colspan="4"><hr/></td></tr> <tr><td>S 23</td><td> </td><td>S 24</td><td></td></tr> <tr><td></td><td>1991</td><td></td><td></td></tr> </table> </div> <p>from which</p> <p style="padding-left: 40px;">A fir, 4 ins. diam., bears N. 24½° E., 20½ lks. dist., mkd. X BT.</p> <p style="padding-left: 40px;">A fir, 13 ins. diam., bears S. 44¼° E., 70 lks. dist., mkd. T6N R38E S24 BT.</p> <p style="padding-left: 40px;">A fir, 25 ins. diam., bears S. 31½° W., 50½ lks. dist., mkd. T6N R38E S23 BT.</p> <p>No suitable tree available in sec. 14.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, the cor. of secs. 13 and 24 only, on the E. bdy. of the Tp., bears N. 89° 44' 00" E., 90.655 chs. dist., monumented with an iron post, 2 ins. diam., firmly set, in a mound of stone, 3 ft. base, to top, with brass cap mkd.</p>		T6N	R38E		S 14		S 13		<hr/>				S 23		S 24			1991		
	T6N	R38E																			
S 14		S 13																			
<hr/>																					
S 23		S 24																			
	1991																				

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

CHAINS

T6N		T6N
R38E		R39E
S 13		S 19
S 24		
1932		

from which the remains of bearing trees mkd. by Gould

A fir, 17 ins. diam., bears S. 60° W., 22 lks. dist., with healed blaze. (Record, 21 lks.)

A fir snag, 11 ins. diam., bears N. 74° W., 18 lks. dist., with illegible scribe marks on broken blaze. (Record, 19 lks.)

and a new bearing tree

A fir, 19 ins. diam., bears N. 19° W., 26 lks. dist., mkd. T6N R38E S13 BT.

The corner is located on steep NW. slope, 205 lks. E. of ravine, drains N. 45° E.

This control line was fully retraced and careful search was made for evidence of intervening corners, none of which was recovered.

North (record bearing), bet. secs. 13 and 14.

39.000

Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 14, at proportionate distance; there is no remaining evidence of the original corner.

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, in collar of stone, with brass cap mkd.

T6N		R38E
S 14	 $\frac{1}{4}$	S 13
1991		

from which

A fir, 12 ins. diam., bears S. 55° E., 41 lks. dist., mkd. $\frac{1}{4}$ S13 BT.

A larch, 14 ins. diam., bears N. 58½° W., 47½ lks. dist., mkd. $\frac{1}{4}$ S14 BT.

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

The corner is located on steep NW. slope.

50.800

Intersect the Oregon and Washington State Bdy. and point for the closing cor. of secs. 13 and 14; there is no remaining evidence of the original corner.

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

**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