

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE SOUTH BOUNDARY
AND SUBDIVISIONAL LINES,
THE ADJUSTED RECORD MEANDERS OF A PORTION OF THE LEFT BANK
OF THE UMPQUA RIVER IN SECTIONS 33 AND 34,
THE ADJUSTED RECORD MEANDERS OF THE LEFT BANK OF
DEAN CREEK IN SECTION 34, THE SUBDIVISION OF SECTION 33,
AND
METES-AND-BOUNDS SURVEYS IN SECTIONS 33 AND 34,
TOWNSHIP 21 SOUTH, RANGE 11 WEST,
OF THE
WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Boyd W. Peterson, Cadastral Surveyor
Richard L. Sanford, Surveying Technician

Under Special Instructions dated April 16, 1992, approved April 16, 1992,
and Supplemental Special Instructions dated January 18, 1996,
approved January 18, 1996,
which provided for the surveys included under Group No. 1644, and
Assignment Instructions dated April 24, 1992, and January 29, 1996.

Survey commenced April 24, 1992

Survey completed May 1, 1996

T. 21 S., R. 11 W., Willamette Meridian, Oregon

CHAINS

The following field notes are those of the dependent resurvey of a portion of the south boundary and subdivisional lines, the adjusted record meanders of a portion of the left bank of the Umpqua River in sections 33 and 34, the adjusted record meanders of the left bank of Dean Creek in section 34, the subdivision of section 33, and metes-and-bounds surveys in sections 33 and 34, township 21 south, range 11 west, Willamette Meridian, Oregon.

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

The south boundary, a portion of the subdivisional lines, the meanders of the Umpqua River and Dean Creek were surveyed by William H. Byars, U.S. Deputy Surveyor, in 1874.

A portion of south boundary was resurveyed and portions of the subdivisional lines were surveyed by William Thiel, U. S. Deputy Surveyor, in 1891.

A portion of the south boundary was resurveyed by William R. Whipple, U. S. Deputy Surveyor, in 1893-94.

A portion of the subdivisional lines was resurveyed and section 22 subdivided by Floyd A. Brooks, Cadastral Surveyor, in 1960.

A portion of the south boundary was resurveyed by John A. Farmer, Cadastral Surveyor, in 1987-1994.

A portion of the south boundary and subdivisional lines was resurveyed by Deborah M. Stephens and Harvey E. Wofford, Cadastral Surveyors, in 1990-1995.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated April 16, 1992, and Supplemental Special Instructions dated January 18, 1996, for Group No. 1644, Oregon.

Preliminary to the resurvey, the lines of the prior surveys were retraced and a search was made for all corners and other calls of record. Identified corners were remonumented in their original positions; lost corners were reestablished and monumented at proportionate positions based on the official record. 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™) 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.

**Dependent Resurvey of a Portion of the South Boundary,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	S 33 W 1/16 S 4 1992
	from which A willow, 5 ins. diam. in a clump of willows, bears N. $33\frac{1}{2}^{\circ}$ E., 51 $\frac{1}{2}$ lks. dist., mkd. X BT. An alder, 11 ins. diam., bears S. 19° W., 64 $\frac{1}{2}$ lks. dist., mkd. W 1/16 S4 BT in the bark. Deposit a white "DEEP-1" magnetic marker at base of stainless steel post. Continue descent over nearly level ground.
40.370	The cor. of secs. 4, 5, 32, and 33, monumented with an iron post, 1 $\frac{1}{2}$ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. DOUGLAS COUNTY SURVEYOR T21S R S 32 S 33 11 W S 5 S 4 T22S 1971 from which a bearing tree mkd. by Byron, reported by Stephens and Wofford A spruce, 54 ins. diam., bears S. $2\frac{1}{2}^{\circ}$ W., 540 lks. dist., with healed blaze. No other suitable accessories available.
	<hr/> From the 1/4 sec. cor. of secs 5 and 32, monumented with a stainless steel post, 2 $\frac{1}{2}$ ins. diam., firmly set flush with the surface of the ground, with brass cap mkd. T21S R11W S 32 1/4 S 5 T22S 1991 Alongside the monument is a steel fence post. No suitable accessories available. N. $89^{\circ} 53' 00''$ W., bet. secs. 5 and 32. Descend over nearly level ground.
20.190	Point for the W 1/16 sec. cor. of secs. 5 and 32.

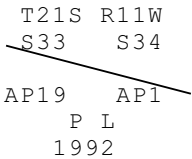
**Dependent Resurvey of a Portion of the South Boundary,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<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;">S 32 W 1/16 S 5 1992</p> <p>No accessories available.</p> <p>Deposit white "DEEP-1" magnetic marker at base of stainless steel post.</p>
40.380	<p>The cor. of secs. 5, 6, 31, and 32, monumented with an iron pipe, 1¼ ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">T21S R11W S31 S32</p> <p style="text-align: center;">S6 S5 T22S 1971</p> <p>from which a reference monument by Byron, reported by Stephens and Wofford</p> <p style="text-align: center;">An iron pipe, 1½ ins. diam., firmly set 4 ins. below ground surface, bears N. 89° 56' W., 627 lks. dist., with brass cap mkd. T21S R11W T22S S36 S1 RM 1971.</p> <p>No other suitable accessories available.</p> <hr/> <p>N. 89° 53' 30" W., bet. secs. 6 and 31.</p> <p>Continue over marshy ground.</p>
4.550	<p>Intersect the deeded southerly right-of-way of Oregon State Highway No. 38. Point for Angle Point No. 14 of the metes-and-bounds survey of the southerly right-of-way line of Oregon State Highway No. 38 in sec. 6, described in the field notes of T. 22 S., R. 11 W., executed concurrently under this same group.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 21 S R 11 W S 31</p> <p style="text-align: center;">/</p> <p style="text-align: center;">S 6 AP 14 T 22 S 1992</p>

**Dependent Resurvey of a Portion of the South Boundary,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	Deposit white "DEEP-1" magnetic marker at base of stainless steel post.
	From this point, Angle Point No. 13 of said right-of-way line bears S. 58° 21' 45" W., 4.428 chs. dist.
6.065	The centerline of Oregon State Highway No. 38 at station 162+56.43, asphalt surface, 65 lks. wide, bears N. 55° E. and S. 55° W.
7.80	Left bank of the Umpqua River, bears N. 75° E. and S. 80° W., course west.
11.985	Point for meander cor. of secs. 6 and 31 for the left bank of the Umpqua River, at proportionate distance; there is no remaining evidence of the original corner. Corner is located in the river where it is impractical to monument.
19.975	Point for the E 1/16 sec. cor. of secs. 6 and 31. Corner is located in the Umpqua River.
39.945	Point for the 1/4 sec. cor. of secs. 6 and 31, at proportionate distance. Corner is located in the Umpqua River.
56.550	Point for the cor. of Tps. 21 and 22 S., R. 11 W., as described in the field notes of the dependent resurvey of a portion of the W. bdy., T. 22 S., R. 11 W., executed concurrently under this same group.
<p>Dependent Resurvey of a Portion of the Subdivisional Lines, T. 21 S., R. 11 W., Willamette Meridian, Oregon</p>	
<p>(Restoring the survey by William H. Byars in 1874, and the survey by William Thiel in 1891)</p>	
<p>From the cor. of secs. 3, 4, 33, and 34, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd.</p>	
<p>DOUGLAS COUNTY SURVEYORS OFFICE T21S R11W S33 S34 S4 S3 T22S R11W 1981</p>	
<p>from which an original bearing tree</p>	
<p>A fir, 45 ins. diam., bears N. 21° W., 31 lks. dist., no marks on decayed blaze.</p>	
<p>and bearing trees mkd. by Hootman, reported by Farmer</p>	
<p>A fir, 40 ins. diam., bears N. 39½° E., 22 lks. dist., with healed blaze.</p>	

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<p>A fir, 50 ins. diam., bears S. 82° W., 88 lks. dist., with healed blaze.</p> <p>and a bearing tree mkd. by Alvarado, reported by Farmer</p> <p>A fir, 9 ins. diam., bears S. 46° E., 38 lks. dist., with healed blaze.</p> <p>N. 2° 50' 00" W., bet. secs. 33 and 34.</p> <p>Descend over N. slope, through moderate timber and dense undergrowth.</p>
20.670	<p>Intersect the 55 ft. southerly right-of-way of Oregon State Highway No. 38. Point for Angle Point No. 19 of the metes-and-bounds survey of southerly right-of-way line in sec. 33, identical with Angle Point No. 1 of the metes-and-bounds survey of southerly right-of-way line in sec. 34.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T21S R11W S33 S34</p>  <p>AP19 AP1 P L 1992</p> </div> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>Continue descending over N. slope.</p>
21.425	<p>The centerline of Oregon State Highway No. 38 at station 277+40.63, asphalt-surfaced, 65 lks. wide, bears N. 70° W. and S. 70° E.</p>
22.30	<p>Left bank of the Umpqua River, bears N. 75° E. and S. 80° W., course west.</p>
23.385	<p>Point for the meander cor. of secs. 33 and 34 for the left bank of the Umpqua River, at proportionate distance; there is no remaining evidence of the original corner. Corner is located in the Umpqua River where it is impractical to monument.</p>
39.455	<p>Point for the 1/4 sec. cor, of secs. 33 and 34, at proportionate distance. Corner is located in the Umpqua River.</p>
51.00	<p>Right bank of the Umpqua River, bears N. 75° E. and S. 80° W., course west; asc. over SE. slope.</p>
51.350	<p>Point for the meander cor. of secs. 33 and 34 for the right bank of the Umpqua River, at proportionate distance utilizing the survey by James W. Prochnau, Registered Land surveyor No. 1305, in 1984, recorded in Douglas County Plat File No. M 96-64A; there is no remaining evidence of the original corner, no permanent monument established.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	Ascend over S. slope, through moderate timber and dense undergrowth.
59.185	Point for the N 1/16 sec. cor. of secs. 33 and 34, located in the SE portion of a 43 in. diam. fir stump. Drive an iron rod, 18 ins. long, 5/8 in. diam., 16 ins. into the stump. from which A cedar, 15 ins. diam., bears S. 4¾° E., 38½ lks. dist., mkd. N 1/16 S34 BT. A stainless steel post, 28 ins. long, 2½ ins. diam., set 8 ins. in the ground, in a mound of stone, 2 ft. base, to top, for a reference monument, bears N. 9° 36' 24" W., 56.1 lks. dist., with brass cap mkd. RM N1/16 S33 1996 37 FT and an arrow pointing to the corner. Continue ascending over broken S. slope.
78.910	The N 80 1/16 sec. cor of secs. 33 and 34, established by James W. Prochnau, Registered Land Surveyor No. 1305, in 1984, recorded in Douglas County Plat File No. M 96-64A and M 96-64B, and is accepted as the corner; monumented with an aluminum post, 2½ ins. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd. T21S R11W 1/16 S 33 S 34 80 1984 PLS 1305 from which a bearing tree mkd. and an RM set by Prochnau A fir, 13 ins. diam., bears N. 86° E., 32 lks. dist., with healed blaze. An aluminum rod, ½ in. diam., firmly set, projecting 4 ins. above the ground, bears N. 84° 44' W., 88 lks. dist., with aluminum cap mkd. RM S33 1/16 80 1984 PLS 1305 and an arrow pointing to the corner. and a new bearing tree A fir, 22 ins. diam., bears N. 51° W., 79 lks. dist., mkd. 80 1/16 S33 BT. _____ N. 2° 48' 30" W., beginning new measurement. Continue ascending over S. slope.
24.90	Saddle in ridge, bears E. and W.; desc. over NW. slope.
29.300	The closing cor. of secs. 33 and 34, reestablished using proportionate measurement by James W. Prochnau, Registered Land Surveyor No. 1305, in 1984, recorded in Douglas County Plat File

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS

No. M 96-63A and M 96-63B. There is no remaining evidence of the original corner, therefore this position is accepted as the corner; monumented with an aluminum post, 2½ ins. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd.

T21S R11W
S 28

S 33 S 34
C C
1984
PLS 1305

from which bearing trees mkd. by Prochnau

A fir, 27 ins. diam., bears S. 38° W., 57 lks. dist., with healed blaze.

A fir, 39 ins. diam., bears S. 59½° E., 98 lks. dist., with healed blaze.

From this point, a point established as the closing cor. of secs. 33 and 34 by Warren D. Hootman, Registered Land Surveyor No. 399, in 1959, recorded in Douglas County Plat File No. M 15-23 and 51-30, bears S. 4° 32' 30" E., 0.277 chs. dist. This point was established using erroneous control and is not utilized in this survey; monumented with an iron pipe, 1 in. diam., loosely set, lying on its side, from which bearing trees mkd. by Hootman:

A fir, 12 ins. diam., bears N. 16° E., 62 lks. dist., with healed blaze.

A fir, 36 ins. diam., bears S. 40° E., 86 lks. dist., with healed blaze.

A fir, 27 ins. diam., bears S. 64° W., 40 lks. dist., with healed blaze.

From the cor. of secs. 27 and 28 only, reestablished using two point control by James W. Prochnau, Registered Land Surveyor No. 1305, in 1984, recorded in Douglas County Plat File No. M 96-63A and M 96-63B. There is no remaining evidence of the original corner, therefore this position is accepted as the corner; monumented with an aluminum post, 2½ ins. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd.

T 29 S R 10 W
S 28 S 27

1984
PLS 1305

from which bearing trees mkd. by Prochnau

A fir, 14 ins. diam., bears N. 19° E., 40½ lks. dist., with a healed blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS

A fir, 14 ins. diam., bears N. 67° W., 12 lks. dist., with a healed blaze.

From this point, a point established as the cor. of secs. 27 and 28 only by Warren D. Hootman, Registered Land Surveyor No. 399, in 1959, recorded in Douglas Count Plat File No. M 15-23 and 51-30, bears S. 14° 24' 00" W., 0.523 chs. This point was established using improper control and is not utilized in this survey; determined from the remains of bearing trees mkd. by Hootman:

A cedar snag, 15 ins. diam., bears S. 6° E., 25 lks. dist., with scribe marks BT 33 T29 visible on partially open blaze.

A fir stump, 14 ins. diam., bears N. 86° W., 23 lks. dist., no marks visible on open decayed blaze.

From this same point, the 1/4 sec. cor. of secs. 27 and 28, bears N. 3° 23' 00" E., 40.045 chs. dist.; monumented with an iron post, 2½ ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.

1/4
S28 S27
T21S R11W
1960

from which bearing trees mkd. by Brooks

A cedar, 54 ins. diam., bears N. 39½° E., 155 lks. dist., with healed blaze. (Record, N. 37½° E., 172 lks.)

A cedar, 27 ins. diam., bears N. 44° W., 63½ lks. dist., with healed blaze. (Record, 66 lks.)

From this point, the original witness corner to the 1/4 sec. cor. of secs. 27 and 28 bears S. 89° 35' 00" W., 3.210 chs. dist., remonumented by James W. Prochnau, Registered Land Surveyor No. 1305, in 1984, recorded in Douglas County Plat File No. M96-63A and M96-63B; monumented with a 1½ in. aluminum post, firmly set flush with the ground, with aluminum cap mkd.

T21S R11W
WC
1/4
S 28 S 27
1984
PLS 1305

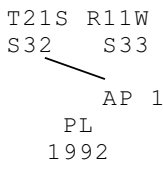
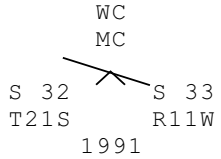
from which the remains of the original bearing trees

A fir snag, 72 ins. diam., bears N. 58½° E., 7 lks. dist., with healed blaze.

A fir snag, size indeterminate, bears S. 82½° W., 15 lks. dist., no visible marks.

and bearing trees mkd. by person(s) unknown, reported by Brooks

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<p>A fir, 35 ins. diam., bears S. 44½° E., 3 lks. dist., with healed blaze. (Record, 5 lks.)</p> <p>A fir, 19 ins. diam., bears S. 18° W., 36 lks. dist., with healed blaze.</p>
	<p>S. 87° 32' 00" W., on the S. bdy. of sec. 28.</p> <p>Descend over W. slope, through moderate timber and undergrowth.</p>
2.25	Creek, 5 lks. wide, course N. 10° E.; asc. over E. slope.
18.310	The closing cor. of secs. 33 and 34.
	<hr/> <p>From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp. N. 2° 44' 00" W., bet. secs. 32 and 33.</p> <p>Descend over nearly level land, through light timber and light undergrowth.</p>
19.525	<p>Intersect the 55 ft. southerly right-of-way line of Oregon State Highway No. 38. Point for Angle Point No. 1 of the metes-and-bounds survey of southerly right-of-way line in sec. 33.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 34 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T21S R11W S32 S33</p>  <p>AP 1 PL 1992</p> </div>
	<p>Continue over level ground.</p>
20.480	The centerline of Oregon State Highway No. 38 at station 221+97.72, asphalt-surfaced, 70 lks. wide, bears N. 77° W. and S. 55° E.
24.095	<p>The witness cor. to the meander cor. of secs. 32 and 33 for the left bank of the Umpqua River; monumented with an aluminum rod, 3/4 in. diam., firmly set flush with the ground, with aluminum cap mkd.</p> <div style="text-align: center;"> <p>WC MC</p>  <p>S 32 S 33 T21S R11W 1991</p> </div>
	<p>From which bearing trees mkd. by Stephens and Wofford</p> <p>A spruce, 17 ins. diam., bears S. 60¾° E., 63½ lks. dist., with scribe marks X BT visible on partially healed blaze.</p>


**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS				
	<p>A spruce, 39 ins. diam., bears S. 36° W., 118 lks. dist., with scribe marks T21S R11W S32 WC MC BT visible on partially healed blaze.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 2° 44' 00" W., beginning new measurement.</p>			
0.15	Left bank of the Umpqua River, bears N. 85° W. and S. 85° E., course N. 85° W.; thence across water.			
0.175	Point for the witness cor. to the meander cor. of secs. 32 and 33 for the left bank of the Umpqua River at proportionate distance. There is no remaining evidence of the original corner. Point is located in the river, no monument set.			
2.115	Point for the meander cor. of secs. 32 and 33 for the left bank of the Umpqua River at proportionate distance. Corner is located in the river where it is impracticable to monument.			
14.740	Point for the 1/4 sec. cor, of secs. 32 and 33, at proportionate distance. Corner is located in the Umpqua River.			
18.20	Right bank of the Umpqua River bears N. 85° W. and E., asc. over SE. slope.			
18.255	<p>The meander cor. of secs. 32 and 33 for the right bank of the Umpqua River monumented with an X on a vertical rock bluff, from which bearing trees mkd. by Stuntzner, reported by Stephens and Wofford:</p> <p style="padding-left: 40px;">A fir, 12 ins. diam., bears N. 50° E., 16½ lks. dist., with a healed blaze.</p> <p style="padding-left: 40px;">A fir, 33 ins. diam., bears N. 88° E., 74½ lks. dist., with a healed blaze.</p>			
<p>Adjusted Record Meanders of the Left Bank of Dean Creek in Section 34, T. 21 S., R. 11 W., Willamette Meridian, Oregon</p> <hr/> <p>(Restoring the survey by William Byars in 1874)</p> <hr/> <p>From the meander cor. of secs. 3 and 34 on the left bank of Dean Creek, monumented with a stainless steel post, 2½ ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border: none; margin: auto;"> <tr> <td style="padding-right: 20px;">R11W</td> <td style="text-align: center;"> T21S S34 S 3 T22S 1987 </td> <td style="padding-left: 20px; vertical-align: middle;">/ MC</td> </tr> </table> </div> <p>from which bearing trees mkd. by Farmer</p> <p style="padding-left: 40px;">A spruce, 11 ins. diam., bears S. 32° W., 90 lks. dist., with an X at breast height and healed blaze at base.</p>		R11W	T21S S34 S 3 T22S 1987	/ MC
R11W	T21S S34 S 3 T22S 1987	/ MC		

**Adjusted Record Meanders of the Left Bank of Dean Creek in
Section 34, T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	<p>A spruce, 11 ins. diam., bears N. 20° W., 44 lks. dist., with healed blaze.</p> <p>Thence downstream with adjusted record meanders of the left bank of Dean Creek in sec. 34.</p> <p>N. 43° 39' 00" E. 9.935 At 8.005 Angle Point No. 9 of the metes-and-bounds survey of the southerly right-of-way line of Oregon State Highway No. 38, hereinafter described.</p> <p>N. 0° 13' 00" E. 1.235 At end of course point for the meander corner at intersection of the left bank of Dean Creek and left bank Umpqua River at proportionate position determined by nonriparian meander line adjustment. There is no remaining evidence of the original cor., no permanent monument established.</p> <hr/> <p align="center">Adjusted Record Meanders of the Left Bank of the Umpqua River, T. 21 S., R. 11 W., Willamette Meridian, Oregon</p> <hr/> <p align="center">(Restoring the survey by William H. Byars in 1884)</p> <hr/> <p>From the true point for the meander cor. at the intersection of the left bank of Dean Creek and the left bank of the Umpqua River</p> <p>Thence downstream with the adjusted record meanders of the left bank of Umpqua River in sec. 34.</p> <p>N. 66° 34' 30" W., 9.915</p> <p>N. 71° 06' 30" W., 31.755</p> <p>N. 75° 38' 30" W., 2.405 At the end of course, the meander cor. of secs. 33 and 34 for the left bank of the Umpqua River. This point falls in the Umpqua River, not monumented.</p> <p>Thence downstream with the adjusted meanders of the left bank of the Umpqua River in sec. 33.</p> <p>N. 74° 24' 30" W., 12.750</p> <p>N. 84° 13' 30" W., 23.415 At 8.155 the true point for the special meander corner N. and S. centerline of the SE¼ of sec. 33, hereinafter described.</p> <p>S. 85° 56' 30" W., 2.540</p>
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**Adjusted Record Meanders of the Left Bank of the Umpqua River,
T. 22 S., R. 33 W., Willamette Meridian, Oregon**

CHAINS		
	N. 89° 08' 00" W., 8.135	At 2.535 the special meander corner on the N. and S. centerline of sec. 33, not monumented.
	S. 85° 27' 00" W., 34.720	At end of course the true point for the meander cor. of secs. 32 and 33 for the left bank of the Umpqua River.
<hr/> Subdivision of Section 33, T. 21 S., R. 11 W., Willamette Meridian, Oregon <hr/>		
	From the 1/4 sec. cor. of secs. 4 and 33, on the S. bdy. of the Tp.	
	N. 2° 47' 30" W., on the N. and S. centerline of sec. 33.	
	Descend over broken N. slope, through moderate timber and dense undergrowth.	
14.970	Intersect the 55 ft. southerly right-of-way line of Oregon State Highway No. 38. Point for Angle Point No. 10 of the metes-and-bounds survey of the southerly right-of-way line in sec. 33.	
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.	
	T21S R11W S33 C  C AP10 P L 1992	
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.	
	Continue descending over broken N. slope.	
15.815	The centerline of Oregon State Highway No. 38 at station 249+92.26, asphalt-surfaced, 65 lks. wide, bears N. 80° W. and S. 80° E.	
27.85	Left bank of the Umpqua River, bears N. 80° E. and S. 80° W., course West.	
28.930	Intersect the adjusted record meanders for the left bank of the Umpqua River, point for the special meander corner. This corner is located in the Umpqua River where it is impracticable to monument.	
46.65	Right bank of the Umpqua River, bears N. 80° W. and N. 80° E.; asc. over a S. slope.	



**Subdivision of Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

<p>CHAINS</p> <p>106.340</p>	<p>The 1/4 cor. of sec. 33 only, reestablished using proportionate measurement by James W. Prochnau, Registered Land Surveyor No. 1305, in 1984, recorded in Douglas County Plat File No. M 96-64A and M 96-64B. There is no remaining evidence of the original corner, therefore this position is accepted as the corner; monumented with an aluminum post, 2½ ins. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd.</p> <p style="text-align: center;">T21S R11W</p> <p style="text-align: center;">1/4 S 33 1984 PLS 1305</p> <p>from which bearing trees mkd. by Prochnau</p> <p style="padding-left: 40px;">An alder, 28 ins. diam., bears S. 65° E., 26 lks. dist., with scribe marks 1/4 S33 BT visible on bark.</p> <p style="padding-left: 40px;">A fir, 30 ins. diam., bears S. 27¾° W., 75½ lks. dist., with healed blaze.</p> <p>From this point, the cor. of secs. 28 and 29 only bears S. 87° 31' 30" W., 20.700 chs. dist., monumented with an aluminum post, 2½ ins. diam., firmly set projecting 4 ins. above the ground, with aluminum cap mkd.</p> <p style="text-align: center;">T 21 S R 33 W S 29 S 28</p> <p style="text-align: center;">S 33 1984</p> <p>from which an original bearing tree</p> <p style="padding-left: 40px;">A cedar, 45 ins. diam., bears N. 10° E., 35 lks. dist., no scribe marks visible on partially opened blaze.</p> <p>and a bearing tree mkd. by Stuntzner, reported by Stephens and Wofford</p> <p style="padding-left: 40px;">A hemlock, 45 ins. diam., bears N. 14° W., 84 lks. dist., with scribe marks BT visible on partially opened blaze.</p> <p>and a bearing tree and reference monument by Prochnau, reported by Stephens and Wofford</p> <p style="padding-left: 40px;">A aluminum rod, 1/2 in. diam., firmly set projecting 2 ins. above the ground bears S. 17° 13' E., 76 lks. dist., with brass cap mkd. RM SW 28 50.17 1984 PLS 1305 and an arrow pointing to the corner.</p> <p style="padding-left: 40px;">A hemlock, 20 ins. diam., bears N. 70° W., 96 lks. dist., with scribe marks S R11W S29 BT visible on partially healed blaze.</p> <hr style="width: 60%; margin-left: 0;"/>
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**Subdivision of Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<p>From the E 1/16 sec. cor. of secs. 4 and 33, monumented with an aluminum post 2½ ins. diam., firmly set projecting 4 ins. above the ground with aluminum cap mkd.</p> <p style="text-align: center;">T21S R11W S 33 E 1/16 S 4 T22S 1983 PLS 1305</p> <p>from which bearing trees mkd. By Prochnau, reported by Farmer</p> <p style="padding-left: 40px;">A fir, 32 ins. diam., bears N. 33° E., 42 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A maple, 29 ins. diam., bears S. 46° E., 35 lks. dist., with illegible scribe marks visible on partially healed blaze.</p> <p>N. 2° 49' 00" W., on the calculated bearing of the N. and S. centerline of the SE¼ in sec. 33.</p> <p>Descend over N. slope.</p>
20.595	<p>Intersect the 55 ft. southerly right-of-way line of Oregon State Highway No. 38. Point for Angle Point No. 13 of the metes-and-bounds survey of the southerly right-of-way line in sec. 33.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21S R11W S33 E  E AP 13 P L 1992</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p>
21.45	<p>The centerline of Oregon State Highway No. 38 at station 263+57.07, asphalt-surfaced, 65 lks. wide, bears N. 75° E. and S. 75° W.</p>
22.620	<p>Intersect the 75 ft. northerly right-of-way line of Oregon State Highway No. 38. Point for Angle Point No. 2 of the metes-and-bounds survey of the northerly right-of-way line in sec. 33.</p> <p>Set an aluminum rod, 72 ins. long, ¾ in. diam., 66 ins. in the ground, with aluminum cap mkd.</p>



**Subdivision of Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	T21S R11W S33 E PL  E AP 1996
	from which A spruce, 54 ins. diam., bears N. $21\frac{3}{4}^{\circ}$ W., 38 lks. dist., mkd. AP 2 S33 BT.
	Set a steel fence post alongside corner. Continue over level land.
26.515	Point selected for the witness cor. to the special meander cor. on the N. and S. centerline of the SE $\frac{1}{4}$ in sec. 33. Set a stainless steel post, 28 ins. long, 2 $\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.
	WC SMC E  S 33 E 1996
	from which A spruce, 53 ins. diam., bears S. $82\frac{1}{4}^{\circ}$ W., 132 $\frac{1}{2}$ lks. dist., mkd. X BT.
	Set a steel fence post alongside the corner. Continue over level land.
27.580	Intersect the adjusted record meanders for the left bank of the Umpqua River, true point for the special meander corner.
	<hr/> Metes-and-Bounds Survey of the Southerly Right-of-Way Line of Oregon State Highway No. 38 in Section 33, T. 21 S., R. 11 W., Willamette Meridian, Oregon <hr/>
	MEMORANDUM
	This survey defines a portion of public land boundaries as conveyed by warranty deed dated January 27, 1987, from Phillip J. Washburn et. al., to the United States of America, recorded in Douglas County's Deed of Records, book 973, page 382, and the warranty deed dated June 12, 1991, from Lawrence D. Wooley and Sonja M. Wooley to the United States of America, recorded in

**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<p>Douglas County's Deed of Records, book 1141, page 153. Highway stationing was determined from the centerline tangents to a point of intersection at station 248+86.1 located in sec. 33, but was not monumented. The southerly right-of-way line of Oregon State Highway 38 through sec. 33 is parallel with and 55 ft. from the centerline.</p> <hr/> <p>From Angle Point No. 1 at the intersection of the 55 ft. southerly right-of-way of Oregon State Highway No. 38, and the line bet. secs. 32 and 33, hereinbefore described.</p> <p>Thence on line 1-2, identical with the 55 ft. southerly right-of-way line on the arc of a circular curve to the right, through a central angle of 0° 49' 23" having a radius of 13.635 chs., (899.93 ft), the chord of which bears S. 61° 59' 43" E., 0.196 chs. (12.93 ft.) distance.</p>
0.196	<p>Point for Angle Point No. 2, point of curve to spiral, identical with station 222+43.0 on the southerly right-of-way line, no permanent monument established.</p> <hr/> <p>The following line is a 0.833 ch. (55.00 ft) offset of a spiral curve. The following data pertains to the centerline of the curve: delta 7°48', length 3.939 chs. (260.0 ft.) dist., increase in degree of curve per station of 2.31.</p> <p>Thence on line 2-3, an arc of a spiral curve right, identical with the southerly right-of-way line, the chord of which bears S. 56° 20' 40" E., 3.823 chs. (252.31 ft) dist.</p>
3.826	<p>Point for Angle Point No. 3, point of tangency at station No. 225+03.0 on the southerly right-of-way line.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T21S R11W S 33 / AP 3 P L 1992</p> </div> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr/> <p>S. 53° 47' 00" E., on line 3-4, identical with the southerly right-of-way line.</p>
0.115	<p>Point for Angle Point No. 4, point of spiral at station No. 225+10.6 on the southerly right-of-way line.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p>

**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	T21S R11W S 33 
	AP 4 P L 1992
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post. <hr style="width: 20%; margin: 10px auto;"/>
	The following line through Angle Point No. 7 is a 0.833 ch. (55.00 ft) offset of a spiral curve with spirals of equal length. The following data pertains to the centerline of the curve: 7° 12' spirals, 3.636 chs. (240.0 ft.) in length, total delta 38° 43', total length 13.413 chs. (885.3 ft.) dist., increase in degree of curve per station of the spirals is 2.50.
	Thence on line 4-5, an arc of a spiral curve left on the southerly right-of-way line, the chord of which bears S. 56° 13' 05" E., 3.738 chs. (246.74 ft.) dist.
3.741	Point for Angle Point No. 5, point of spiral to curve at station 227+50.6 on the southerly right-of-way line, no permanent monument established. <hr style="width: 20%; margin: 10px auto;"/>
	Thence on line 5-6, an arc of a circular curve to the left, identical with the southerly right-of-way line through a central angle of 24° 19', having a radius of 15.302 chs. (1009.93 ft.), the chord of which bears S. 73° 08' 30" E., 6.446 chs. (425.41 ft.) dist.
6.494	Point for Angle Point No. 6, point of curve to spiral at station 231+55.9 on the southerly right-of-way line, no permanent monument established. <hr style="width: 20%; margin: 10px auto;"/>
	Thence on line 6-7 an arc of a spiral curve left identical with the southerly right-of-way line, the chord of which bears N. 89° 56' 04" E., 3.738 chs. (246.74 ft.) dist.
3.741	Point for Angle Point No. 7, point of tangency at station No. 233+95.9 on the southerly right-of-way line. Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd. T21S R11W S 33 
	AP 7 P L 1992
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post. <hr style="width: 20%; margin: 10px auto;"/>

**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	Thence N. 87° 30' 00" E., on line 7-8, identical with the southerly right-of-way line.
14.330	Point for Angle Point No. 8, point of spiral at station 243+41.7 on the southerly right-of-way line. Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> T21S R11W S 33 <hr style="width: 10%; margin: 0 auto;"/> AP 8 P L 1992 </div> Deposit a white "DEEP-1" magnetic marker at base of stainless steel post. <hr style="width: 30%; margin: 0 auto;"/> The following line through Angle Point No. 12 is a 0.833 ch. (55.00 ft) offset of a spiral curve with spirals of equal length. The following data pertains to the centerline of the curve: 4° 00' spirals, 6.061 chs. (400.00 ft.) in length, total delta 13° 42', total length, 16.439 chs. (1085.00 ft.) dist., increase in degree of curve per station of the spirals is 0.50. Thence on line 8-9, an arc of a spiral curve to the left, identical with the southerly right-of-way line, the chord of which bears N. 86° 09' 38" E., 6.117 chs. (403.75 ft.) dist.
6.119	Point for Angle point No. 9, point of spiral to curve at station 247+41.7 on the southerly right-of-way line, no permanent monument established. <hr style="width: 30%; margin: 0 auto;"/> Thence on line 9-11 on the arc of a circular curve to the left, identical with the southerly right-of-way line through a central angle of 5° 42' 00", having a radius of 44.239 chs. (2919.79 ft.), the long chord of which bears N. 80° 39' 00" E., 4.399 chs. (290.35 ft.) dist.
3.743	Angle Point No. 10, at intersection the N. and S. centerline of sec. 33, hereinbefore described. From this point the 1/4 sec. cor. of secs. 4 and 33, on the S. bdy. of the Tp. bears S. 2° 47' 30" E., 14.970 chs. distance.
4.401	Point for Angle Point No. 11, point of curve to spiral at station 250+26.7 on the southerly right-of-way line, no permanent monument established. <hr style="width: 30%; margin: 0 auto;"/> Thence on line 11-12 an arc of a spiral curve left, identical with the southerly right-of-way line, the chord of which bears N. 75° 08' 22" E., 6.117 chs. (403.75 ft.) dist.
6.119	Point for Angle Point No. 12, the point of tangency at station 254+26.7 on the southerly right-of-way line.

**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21S R11W S 33</p> <p style="text-align: center;">————— AP 12 P L 1992</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p style="text-align: center;">—————</p> <p>N. 73° 48' 00" E., on line 12-14, identical with the southerly right-of-way line.</p>
13.900	<p>Angle Point No. 13, at intersection with the N. and S. centerline of the SE¼ of sec. 33, hereinbefore described. From this point Angle Point No. 2 of the metes-and-bounds survey of the northerly right-of-way line of Oregon State Highway No. 38 also located on the N. and S. centerline of the SE¼ of sec. 33 bears N. 2° 49' 00" W., 2.025 chs. distance.</p>
18.447	<p>Point for Angle Point No. 14, point of spiral curve at station 266+44.2 on the southerly right-of-way line.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21S R11W S33</p> <p style="text-align: center;">————— AP 14 P L 1992</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p style="text-align: center;">—————</p> <p>The following line through Angle Point No. 17 is a 0.833 ch. (55 ft.) offset of a spiral curve with spirals of equal length. The following data pertains to the centerline of the curve: 12° 00' spirals, 6.061 chs. (400.00 ft.) in length, total delta 38° 51', total length 15.871 chs. (1047.50 ft.) dist., increase in degree of curve per station of the spirals is 1.50.</p> <p>Thence on line 14-15, an arc of a spiral curve right, identical with the southerly right-of-way line, the chord of which bears N. 77° 44' 22" E., 5.875 chs. (387.73 ft.) dist.</p>
5.886	<p>Point for Angle Point No. 15, the point of spiral to circular curve at station 270+44.2 on the southerly right-of-way line, no permanent monument established.</p> <p style="text-align: center;">—————</p> <p>Thence on line 15-16, an arc of a circular curve right identical with the southerly right-of-way line, through a central angle of</p>



**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<p>14° 51' having a radius of 13.635 chs. (899.93 ft.), the long chord of which bears S. 86° 46' 30" E., 3.524 chs. (232.59 ft.) dist.</p>
3.534	<p>Point for Angle Point No. 16, point of circular curve to spiral at station 272+91.7 on the southerly right-of-way line, no permanent monument established.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>Thence on line 16-17, an arc of a spiral curve left, identical with the southerly right-of-way line, the chord of which bears S. 71° 17' 21" E., 5.875 chs. (387.73 ft.) dist.</p>
5.886	<p>Point for Angle Point No. 17, point of tangency at station 276+91.7 on the southerly right-of-way line.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T21S R11W S 33 — AP 17 P L 1992</p> </div> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>S. 67° 21' 00" E., on line 17-18, identical with the southerly right-of-way line.</p>
0.023	<p>Point for Angle Point No. 18, point of spiral at station 276+93.2 on the southerly right-of-way line.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <p>T21S R11W S 33 — AP 18 P L 1992</p> </div> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>The following line through Angle Point No. 2 in sec. 34 is a 0.833 ch. (55 ft.) offset of spiral curves of equal length. The following data pertains to the centerline of the entire curve: 2° 33' 30" spirals with a length of 5.303 chs. (350.00 ft.), total delta 5° 07', total length 10.606 chs. (700.00 ft.) dist., increase in degree of curve per station of 0.42.</p>



**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 34,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	<p>Thence on line 18-19, on the arc of a spiral curve left, identical with the southerly right-of-way line, the chord of which bears S. 67° 22' 55" E., 1.056 chs. (69.70 ft.) dist.</p>
1.056	<p>Angle Point No. 19, identical with Angle Point No. 1 of the southerly right-of-way line in sec. 34, at intersection with the line between secs. 33 and 34, hereinbefore described.</p> <hr/> <p style="text-align: center;">Metes-and-Bounds Survey of the Southerly Right-of-Way Line of Oregon State Highway No. 38 in Section 34, T. 21 S., R. 11 W., Willamette Meridian, Oregon</p> <hr/> <p style="text-align: center;">MEMORANDUM</p> <p>This survey defines a portion of public land boundaries as conveyed by warranty deed dated January 27, 1987, from Phillip J. Washburn et. al., to the United States of America, recorded in Douglas County's Deed of Records, book 973, page 382, and the warranty deed dated June 12, 1991, from Lawrence D. Wooley and Sonja M. Wooley to the United States of America, recorded in Douglas County's Deed of Records, book 1141, page 153. Highway stationing was determined from the centerline tangents to a point of intersection at station 248+86.1 located in sec. 33, but was not monumented. The southerly right-of-way line of Oregon State Highway 38 through sec. 34 is parallel with and 55 ft. from the centerline for the portion herein surveyed.</p> <hr/> <p>From Angle Point No. 1 on the 55 ft. southerly right-of-way line sec. 34, identical with Angle Point No. 19 on the southerly right-of-way line in sec. 33, at the intersection with the line bet. secs. 33 and 34, hereinbefore described.</p> <p>The following line through Angle Point No. 3 is a 0.833 ch. (55.00 ft.) offset of a portion of spiral curves of equal length. The following data pertains to the centerline of the entire curve: 2° 33' 30" spirals, 5.303 chs. (350.00 ft.) dist., total delta 5° 07', total length, 10.606 chs. (700.00 ft.) dist., increase in degree of curve per station of 0.42.</p> <p>Thence on line 1-2, an arc of a spiral curve left identical with the southerly right-of-way line, the chord of which bears, S. 68° 24' 30" E., 4.284 chs. (282.73 ft.) dist.</p>
4.284	<p>Point for Angle Point No. 2, point of spiral curve to spiral curve at station 280+43.2 on the southerly right-of-way line, no permanent monument established.</p> <hr/> <p>Thence on line 2-3, an arc of a spiral curve left, identical with the southerly right-of-way line, the chord of which bears S. 71° 36' 39" E., 5.340 chs. (352.42 ft.) dist.</p>
5.340	<p>Point for Angle Point No. 3, point of tangency at station 283+93.2 on the southerly right-of-way line.</p>

**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 34,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21S R11W S 34</p>  <p style="text-align: center;">AP 3 P L 1992</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr style="width: 20%; margin: auto;"/>
14.805	<p>S. 72° 27' 00" E., on the line 3-4, identical with the southerly right-of-way line.</p> <p>Point for Angle Point No. 4, point of spiral curve at station 293+70.3 on the southerly right-of-way line.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21S R11W S34</p>  <p style="text-align: center;">AP 4 P L 1992</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr style="width: 20%; margin: auto;"/> <p>The following line through Angle Point No. 6 is a 0.833 ch. (55.00 ft.) offset of a spiral curves of equal length. The following data pertains to the centerline of the curve: 4° 10' spirals, 6.061 chs. (400.00 ft.) dist., total delta 8° 20', total length 12.121 chs. (800.00 ft.) dist., increase in degree of curve per station of 0.52.</p> <p>Thence on line 4-5, an arc of a spiral curve right, identical with the southerly right-of-way line, the cord of which bears S. 71° 05' 07" E., 5.999 chs. (395.91 ft.) dist.</p>
6.000	<p>Point for Angle Point No. 5, point of spiral curve to spiral curve at station 297+70.3 on the southerly right-of-way line, no permanent monument established.</p> <hr style="width: 20%; margin: auto;"/> <p>Thence on line 5-6 an arc of a spiral curve right, identical with the 55 ft. southerly right-of-way line, the cord of which bears S. 65° 29' 34" E., 5.999 chs. (395.91 ft.) dist.</p>
6.000	<p>Point for Angle Point No. 6, point of tangency at station 301+70.3 on the southerly right-of-way line.</p>

**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 34,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T21S R11W S 34</p>  <p style="text-align: center;">AP 6 P L 1992</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr style="width: 20%; margin: auto;"/>
0.138	<p>S. 64° 07' 00" E., on the line 6-7, identical with the southerly right-of-way line.</p> <p>Point for Angle Point No. 7, point of spiral curve at station 301+79.4 on the southerly right-of-way line.</p> <p>Set a brass tablet, 3¼ ins. diam., 3½ in. stem, in a drill hole in solid rock, with top mkd.</p> <p style="text-align: center;">T21S R11W S 34</p>  <p style="text-align: center;">AP 7 P L 1992</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <hr style="width: 20%; margin: auto;"/>
5.354	<p>The following line through Angle Point No. 9 is a 0.833 ch. (55.00 ft.) offset of a portion of a spiral curve with spirals of equal length. The following data pertains to the centerline of the curve: 3° 33' 30" spirals, 5.303 chs. (350.00 ft.) dist., total delta 7° 07', total length 10.606 chs. (700.00 ft.) dist., increase in degree of curve per station of 0.58.</p> <p>Thence on line 7-8 an arc of a spiral curve left, identical with the southerly right-of-way line, the cord of which bears S. 65° 18' 31" E., 5.354 chs. (353.36 ft.) dist.</p> <p>Point Angle Point No. 8, point of spiral to spiral at station No. 305+29.4 on the southerly right-of-way line, no permanent monument established.</p> <hr style="width: 20%; margin: auto;"/>
0.762	<p>Thence on line 8-9, an arc of a spiral curve left, identical with the southerly right-of-way line, the cord of which bears S. 68° 09' 33" E., 0.762 chs. (50.32 ft.) dist.</p> <p>Point for Angle Point No. 9, at intersection with adjusted record meanders of the left bank of Deans Creek.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

**Metes-and-Bounds Survey of the Southerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 34,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

CHAINS

T 22 S R 33 W

S 34



AP 9

PL

1992

from which

An alder, 9 ins. diam., bears S. $48\frac{1}{2}^{\circ}$ W., 37 lks. dist., mkd. AP9 S6 BT.

A brass tablet $2\frac{3}{4}$ ins. diam., firmly set flush with the surface of a concrete bridge bears N. $54\frac{1}{2}^{\circ}$ E., 23 lks. dist., with tablet mkd. STATE HIGHWAY DEPARTMENT B.M. No. LG87 DCS6 1981.

From this point the point of tangency at station No. 308+79.4 on the southerly right-of-way line bears S. $70^{\circ} 17' 00''$ E., 4.763 chs. distance, no permanent monument established.

**Metes-and-Bounds Survey of the Northerly Right-of-Way
Line of Oregon State Highway No. 38 in Section 33,
T. 21 S., R. 11 W., Willamette Meridian, Oregon**

MEMORANDUM

This survey defines a portion of public land boundaries as conveyed by deed dated June 13, 1994, from 2Line, an Oregon Corporation to the United States of America, recorded in Douglas County's Deed of Records, book 1306, page 116. Highway stationing was determined from the centerline point of intersection at station 248+86.1, which was located by projecting the respective as built centerline tangents to the point of intersection, located in section 33, but was not monumented.

From Angle Point No. 1, identical with the point of tangency at station 254+26.7 on the 75 ft. northerly right-of-way of Oregon State Highway No. 38. Corner is located in a slough, no permanent established.

Thence N. $73^{\circ} 48'00''$ E., on line 1-3, identical with the 75 ft. northerly right-of-way line.

14.366 Angle Point No. 2, at intersection with the N. and S. centerline of the SE $\frac{1}{4}$ of sec. 33, hereinbefore described.

18.447 Point for Angle Point No. 3, point of spiral curve at station 266+42.2 on the 75 ft. northerly right-of-way line, no permanent monument established.

T. 21 S., R. 11 W., Willamette Meridian, Oregon

CHAINS

GENERAL DESCRIPTION

The lands involved in the foregoing survey are located in Douglas County, Oregon, approximately four miles northeast of the city of Reedsport Oregon.

Elevations range from approximately sea level near the banks of the Umpqua River, to about 700 feet above sea level near the closing corner of sections 33 and 34.

Access into the southern portion of survey area is by way of Oregon State Highway 38. The northern portion by way of Smith River County Road, Otter Slough County Road, and Butler Creek County Road, BLM Road No. 21-11-20, and several private roads into the area.

The southerly portion is drained by Dean Creek flowing northerly into the Umpqua River and the northerly portion drains into Butler Creek which flows northwesterly into the Smith River.

The soil is composed of a sandy clay loam varying from a few inches to several feet in depth overlying a sandstone bedrock. The area is forested with fir, hemlock, cedar, maple, alder, madrona, myrtle, and chittum. Undergrowth consists of vine maple, huckleberry, salal, salmonberry, poison oak, rhododendron, wild rose, ferns, and grasses.

No evidence of mineral deposits were noted in the area covered by this survey.

The mean magnetic declination is 19° East, as shown on the "REEDSPORT, OREG." 7½ minute provisional edition quadrangle map published by the United States Geological Survey in 1985.
