

CHAINS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
CORRECTIVE DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,
THE DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES
AND
THE SUBDIVISION OF SECTION 17,
TOWNSHIP 29 SOUTH, RANGE 7 WEST,
OF THE
WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Bryan S. Seibold, Cadastral Surveyor
Robert H. Browning, Surveying Technician

Under Special Instructions dated August 4, 1994,
and approved August 4, 1994,
Supplemental Special Instructions dated April 9, 1996,
and approved April 9, 1996,
which provided for the surveys included under Group No. 1745,
and Assignment Instructions dated August 23, 1994.

Survey commenced August 25, 1994

Survey completed April 25, 1995

T. 29 S., R. 7 W., Willamette Meridian, Oregon

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The following field notes are those of the corrective dependent resurvey of a portion of the subdivisional lines, the dependent resurvey of a portion of the subdivisional lines and the subdivision of section 17, township 29 south, range 7 west, Willamette Meridian, Oregon.

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

A portion of the boundaries and subdivisional lines were surveyed by Nathaniel Ford, U.S. Deputy Surveyor, in 1854.

The west boundary and a portion of the subdivisional lines were resurveyed by Fred Mensch, Cadastral Engineer, in 1924.

A portion of the subdivisional lines were resurveyed and section 9 was subdivided by Hans W. Thielsen, Cadastral Surveyor, in 1955.

A portion of the subdivisional lines were resurveyed by Hans W. Thielsen, Cadastral Surveyor, in 1957.

A portion of the subdivisional lines were resurveyed and corrected and section 21 was subdivided by John M. Jelley, Cadastral Surveyor, in 1966.

A portion of the west boundary and subdivisional lines were resurveyed and sections 7 and 19 subdivided by Daniel E. Weller and Dale T. Bedell, Cadastral Surveyors, in 1988-89.

In 1977, Gary L. Langlitz, Deputy County Surveyor, subdivided section 17. During his survey he rejected the corner position for the 1/4 section corner of sections 17 and 18 remonumented by Fred Mensch, Cadastral Engineer, in 1924, and set his own monument, determined from the remains of the original bearing trees. The double corners were discovered during this survey and necessitated the need for a corrective dependent resurvey of the section line between sections 17 and 18. The supplemental special instructions for this corrective dependent resurvey are authorized by memorandum from the Chief Cadastral Surveyor of Oregon, dated April 1, 1996, file 9623 (OR957).

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated August 4, 1994, and Supplemental Special Instructions dated April 9, 1996, for Group No. 1745, Oregon.

The directions of the lines are based on the true meridian as determined by direct solar observations and were carried forward by means of sustained angulation. All measurements along the lines were derived through the use of electronic measuring equipment. An analysis of the unadjusted field data assured a closure not exceeding 1:4000 in error. Measured distances and directions have been adjusted by Cadastral Measurement Management (CMM), a computer program that incorporates least squares analysis. The adjusted bearings and distances are reported to the nearest second and 0.001 of a chain.

T. 29 S., R. 7 W., Willamette Meridian, Oregon

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Preliminary to the resurvey, the lines of the prior surveys were retraced and searches were made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished and remonumented at proportionate positions based on the official record. The retracement data was thoroughly verified and only the true line field notes are given herein.

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 1/4 section corner of sections 17 and 18, as determined from a tie to Geodetic Control Station No. EC41227, established by the Bureau of Land Management, is as follows:

Latitude: 43° 03' 02.52" N. Longitude: 123° 33' 41.05" W.

The mean magnetic declination is 18° East.

**Corrective Dependent Resurvey of a Portion
of the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

(Restoring the survey by Nathaniel Ford in 1854 and restoring
and correcting the resurvey by Fred Mensch in 1924)

Beginning at the cor. of secs. 17, 18, 19 and 20, monumented with an iron post, 2 ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.

T29S	R7W
<u>S 18</u>	<u>S 17</u>
S 19	S 20
1924	

from which the remains of the original bearing trees

A decayed fir stump, 40 ins. diam., bears N. 51° E., 12 lks. dist., no marks visible.

A fir, 35 ins. diam., bears S. 16° W., 14 lks. dist., with healed blaze.

A sawed decayed fir stump, 31 ins. diam., bears N. 47° W., 11 lks. dist., no marks visible.

and the remains of bearing trees mkd. by Mensch

A root hole, bears N. 24½° E., 84 lks. dist., with down and decayed cedar alongside, size indeterminate, no marks visible on open decayed blaze.

**Corrective Dependent Resurvey of a Portion of
the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	<p>A root hole, bears N. 14° W., 76 lks. dist., with down and decayed maple alongside, size indeterminate, no marks visible.</p> <p>and a remaining bearing tree mkd. by James W. Byron, Deputy County Surveyor, in 1962</p> <p>A fir, 19 ins. diam., bears N. 50 3/4° E., 71 lks. dist., with healed blaze.</p> <p>and bearing trees mkd. by Larry E. Monrean, Deputy County Surveyor, in 1977</p> <p>A fir, 23 ins. diam., bears S. 71° E., 125 lks. dist., with healed double blaze.</p> <p>A fir, 22 ins. diam., bears N. 65° W., 75 lks. dist., with healed double blaze.</p> <p>and a bearing tree mkd. by Weller and Bedell</p> <p>A fir, 13 ins. diam., bears S. 48½° E., 68 lks. dist., with healed blaze.</p> <p>N. 1° 10' 37" E., bet. secs. 17 and 18.</p> <p>Ascend over SE. slope, through timber with moderate undergrowth.</p>
1.75	Spur, slopes N. 85° E., and dirt road, 20 lks. wide, bears N. 85° E. and S. 85° W.; desc. over NE. slope,
12.15	Southerly shore of Ben Irving Reservoir, shore bears N. 75° W. and S. 65° E.; across reservoir.
19.404	Point for the S 1/16 sec. cor. of secs. 17 and 18, not monumented, falls in reservoir.
28.50	Northerly shore of Ben Irving Reservoir, shore bears N. 75° W. and S. 75° E.; asc. over broken SE. slope.
38.808	The 1/4 sec. cor. of secs. 17 and 18, perpetuated by Gary L. Langlitz, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W., No. 221, further perpetuated by Stephen J. Flause, Deputy County Surveyor, in 1980, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W., No. 263; monumented with an iron post, 1½ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd.
	DOUGLAS COUNTY SURVEYOR T29S 1/4 S 18 S 17 R7W 1980
	from which the remains of the original bearing trees

**Corrective Dependent Resurvey of a Portion of
the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	<p>A decayed oak stump, size indeterminate, bears N. 76° E., 81 lks. dist., with down and partially decayed trunk alongside, no marks visible. (Record, N. 77° E., 82 lks.)</p> <p>An oak, 34 ins. diam., bears S. 41 3/4° W., 57 lks. dist., no marks visible on opened blaze. (Record, S. 40° W.)</p> <p>and bearing trees mkd. by Mensch</p> <p>An oak, 29 ins. diam., bears S. 34½° E., 61 lks. dist., with healed double blaze.</p> <p>An oak, 15 ins. diam., bears S. 61 3/4° W., 53 lks. dist., with healed double blaze.</p> <p>and a reference monument set by Stephen J. Flause, Deputy County Surveyor, in 1980</p> <p>An iron rod, 5/8 in. diam., firmly set, projecting 6 ins. above ground, for a reference monument, bears N. 9 3/4° W., 49½ lks. dist., with aluminum cap mkd. DOUGLAS CO. SURVEYOR BO.</p> <p>From this point, the 1/4 sec. cor. of secs. 17 and 18, erroneously determined by Mensch in 1924 by measuring from the face of the original bearing trees and not measuring from the center of the trees, bears N. 25° 10' W., 0.067 chs. dist.; monumented with an iron post, 1¼ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. 1/4 S18 S17 1924. The marks on the brass cap were filed off and the brass cap was remarked AM 4.4 FT TO COR 1994 1924 and an arrow pointing to the corner.</p> <p>From this same point, the Bureau of Land Management Geodetic Control Station No. EC41227, at latitude 43° 03' 09.752" N., longitude 123° 34' 22.527" W. (NAD 1927), determined by the NAVSTAR Global Positioning System, bears N. 76° 37' 21" W., 47.964 chs. dist. (mean bearing and sea level distance); monumented with an aluminum cap, firmly set flush with the ground, with top mkd. EC41227 GPS 1994.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0° 48' 33" E., beginning new measurement.</p> <p>Ascend over broken SE. changing to SW. slope, through grass openings with scattered timber.</p> <p>19.862 The N 1/16 sec. cor. of secs. 17 and 18, established by Gary L. Langlitz, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W., No. 244, and is accepted as the corner; monumented with an iron pipe, 1 in. diam., firmly set, projecting 1 in. above ground, with brass cap mkd.</p> <p style="text-align: center;">N1/16 S 18 S 17 T29S R7W 1977</p> <p>from which bearing trees mkd. by Langlitz</p>
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**Corrective Dependent Resurvey of a Portion of
the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	<p>An oak, 23 ins. diam., bears N. 32½° E., 221 lks. dist., with healed double blazes.</p> <p>A fir, 19 ins. diam., bears N. 80 3/4° W., 82 lks. dist., with scribe marks 1/16 S18 CS visible on open blaze.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0° 48' 27" E., beginning new measurement.</p> <p>Ascend over broken SW. slope.</p>																
19.868	<p>The cor. of secs. 7, 8, 17 and 18, monumented with an iron post, 2 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 0 5px;">T29S</td> <td style="padding: 0 5px;">R7W</td> </tr> <tr> <td style="padding: 0 5px; border-right: 1px solid black;">S 7</td> <td style="padding: 0 5px; border-right: 1px solid black;">S 8</td> </tr> <tr> <td style="padding: 0 5px; border-right: 1px solid black;">S 18</td> <td style="padding: 0 5px; border-right: 1px solid black;">S 17</td> </tr> <tr> <td colspan="2" style="padding: 0 5px;">1924</td> </tr> </table> </div> <p>from which the remains of bearing trees mkd. by James W. Byron, Deputy County Surveyor, in 1962</p> <p>A fir, 19 ins. diam., bears N. 40¼° E., 32½ lks. dist., with healed double blaze.</p> <p>A fir, 25 ins. diam., bears S. 61½° E., 26 lks. dist., with healed double blaze.</p> <p>A sawed fir stump, 18 ins. diam., bears S. 8¼° W., 50½ lks. dist., with healed double blaze.</p> <p>and a bearing tree mkd. by Gary L. Langlitz, Deputy County Surveyor, in 1977</p> <p>A fir, 13 ins. diam., bears N. 62 3/4° W., 42½ lks. dist., with healed double blaze.</p> <p>and a new bearing tree</p> <p>A fir, 9 ins. diam., bears S. 9° W., 17½ lks. dist., mkd. T29S R7W S18 BT.</p> <hr style="width: 80%; margin: 20px auto;"/> <p style="text-align: center;">Dependent Resurvey of a Portion of the Subdivisional Lines, T. 29 S., R. 7 W., Willamette Meridian, Oregon</p> <hr style="width: 80%; margin: 20px auto;"/> <p>From the cor. of secs. 16, 17, 20 and 21, monumented with an iron post, 2 ins. diam., firmly set, projecting 7 ins. above ground (with an iron post, 1½ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. COUNTY SURVEYORS OFFICE T29S R7W S16 S17 S20 S21 1954, alongside), with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;"> <table style="border-collapse: collapse; margin: auto;"> <tr> <td style="padding: 0 5px;">T29S</td> <td style="padding: 0 5px;">R7W</td> </tr> <tr> <td style="padding: 0 5px; border-right: 1px solid black;">S 17</td> <td style="padding: 0 5px; border-right: 1px solid black;">S 16</td> </tr> <tr> <td style="padding: 0 5px; border-right: 1px solid black;">S 20</td> <td style="padding: 0 5px; border-right: 1px solid black;">S 21</td> </tr> <tr> <td colspan="2" style="padding: 0 5px;">1957</td> </tr> </table> </div>	T29S	R7W	S 7	S 8	S 18	S 17	1924		T29S	R7W	S 17	S 16	S 20	S 21	1957	
T29S	R7W																
S 7	S 8																
S 18	S 17																
1924																	
T29S	R7W																
S 17	S 16																
S 20	S 21																
1957																	

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	<p>from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A sawed fir stump, 46 ins. diam., bears N. 20° E., 68 lks. dist., with fragmentary scribe marks visible on opened blaze.</p> <p>and a bearing tree mkd. by Ben B. Irving, Deputy County Surveyor, in 1954</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears N. 75° W., 22 lks. dist., with healed double blaze.</p> <p>and the remains of bearing trees mkd. by James W. Byron, Deputy County Surveyor, in 1957</p> <p style="padding-left: 40px;">A root hole bears S. 38° E., 94 lks. dist., with down 16 in. diam., trunk alongside, with no marks visible on opened blaze.</p> <p style="padding-left: 40px;">A fir, 23 ins. diam., bears N. 24° W., 62 lks. dist., with healed double blaze.</p> <p>and bearing trees mkd. by Jelley in 1957</p> <p style="padding-left: 40px;">A fir, 19 ins. diam., bears N. 38½° E., 119 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A fir, 19 ins. diam., bears S. 41½° E., 88 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A fir, 30 ins. diam., bears S. 89° W., 163 lks. dist., with healed blaze. (Record, S. 88° W.)</p> <p>and the remains of bearing trees mkd. by person(s) unknown</p> <p style="padding-left: 40px;">A sawed fir stump, 21 ins. diam., bears N. 19 3/4° E., 35 lks. dist., with scribe marks BT visible on the bark.</p> <p style="padding-left: 40px;">A sawed fir stump, 20 ins. diam., bears N. 19½° W., 78 lks. dist., with scribe marks BT SX visible on opened blaze.</p> <p>The corner is located 2 lks. W. of a fence corner, with barbed wire fences extending S. and E.</p> <p>N. 0° 12' 51" W., bet. secs. 16 and 17.</p> <p>Descend over broken NE. slope, through scattering timber and moderate undergrowth.</p>
2.65	Ravine, drains E.; asc. over broken SE. slope.
6.15	Spur, slopes S. 60° E.; desc. over broken NE. slope.
20.177	<p>The S 1/16 sec. cor. of secs. 16 and 17, established by Gregory D. Lang, Registered Land Surveyor No. 2295, in 1992, recorded in the Douglas County Surveyors Office map file M115-30, and is accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 6 ins. above ground, with plastic cap mkd. LANG SURVEYING, from which bearing trees mkd. by Lang:</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	<p>A fir, 11 ins. diam., bears N. 67° E., 2 lks. dist., with scribe marks S1/16 S16 BT visible on partially healed double blaze.</p> <p>An oak, 8 ins. diam., bears S. 25° W., 57 lks. dist., with scribe marks S1/16 S17 BT visible on partially healed double blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, directly over the iron rod, with brass cap mkd.</p> <p style="text-align: center;">S1/16 S 17 S 16 1994</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located on a steep E. slope, 50 lks. W. of Olalla Creek, course N. 35° W.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0° 12' 08" W., beginning new measurement.</p> <p>Descend over E. slope.</p>
18.70	Olalla Creek, 50 lks. wide, course N. 55° W.; continue over level bottom ground.
20.174	<p>The 1/4 sec. cor. of secs. 16 and 17, perpetuated by Ben B. Irving, Deputy County Surveyor, in 1954, from original evidence no longer in existence, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W., No. 63, further perpetuated by Larry E. Monrean, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W., No. 233; monumented with an iron post, 1½ ins. diam, firmly set, projecting 13 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS T29S R7W 1/4 17 16 1954 OFFICE</p> <p>from which bearing trees mkd. by Irving</p> <p>An oak, 11 ins. diam., bears N. 38° E., 40 lks. dist., with healed double blaze.</p> <p>A fir, 28 ins. diam., bears S. 53 3/4° W., 77 lks. dist., with healed blaze.</p> <p>An oak, 22 ins. diam., bears N. 20½° W., 27 lks. dist., with healed double blaze.</p> <p>and a bearing tree mkd. by person(s) unknown</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	<p style="text-align: center;">A fir, 36 ins. diam., bears N. 43° W., 27½ lks. dist., with healed blaze.</p> <p>The corner is located 2 lks. S. of a woven wire fence extending E.-W.</p> <hr/> <p>From the cor. of secs. 16, 17, 20 and 21.</p> <p>S. 87° 21' 52" W., bet. secs. 17 and 20.</p> <p>Ascend over broken E. slope, through timber and moderate undergrowth.</p>
11.20	Spur, slopes S. 20° E.; desc. over SW. slope.
15.25	Ravine, drains S.; asc. over broken SE. slope.
18.489	<p>The E 1/16 sec. cor. of secs. 17 and 20, established by Bruce R. Rogers, Registered Land Surveyor No. 660, in 1964, recorded in the Douglas County Surveyors Office map file M28-69, perpetuated by Gary L. Langlitz, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W., No. 227, and is accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 3 ins. above ground, from which the remains of the bearing trees mkd. by Rogers:</p> <p style="padding-left: 40px;">An oak snag, 8 ins. diam., bears S. 69¼° E., 27 lks. dist., with healed double blaze.</p> <p style="padding-left: 40px;">An oak, 28 ins. diam., bears S. 33¼° W., 24½ lks. dist., with healed double blaze.</p> <p style="padding-left: 40px;">A madrone, 45 ins. diam., bears N. 29½° W., 26 lks. dist., with scribe mark X visible on partially healed blaze.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center; padding-left: 100px;"> <p>S 17</p> <p>E1/16 ---</p> <p>S 20</p> <p>1994</p> </div> <p>from which a new bearing tree</p> <p style="padding-left: 40px;">A fir, 14 ins. diam., bears N. 22½° W., 53 lks. dist., mkd. E1/16 S17 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base and iron rod alongside the stainless steel post.</p> <hr style="width: 20%; margin: 0 auto;"/> <p>S. 87° 23' 42" W., beginning new measurement.</p> <p>Ascend over SE. slope.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
1.70	Spur, slopes S. 5° W.; desc. over broken W. slope.
18.482	The 1/4 sec. cor. of secs. 17 and 20, reestablished by Gary L. Langlitz, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W., No. 240, and is accepted as the corner; monumented with an iron post, 1½ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd.
	DOUGLAS COUNTY SURVEYOR T29S R7W S 17 1/4 --- S 20 1977
	from which bearing trees mkd. by Langlitz
	A cedar, 35 ins. diam., bears S. 3° W., 35 lks. dist., with healed double blaze.
	An oak, 11 ins. diam., bears N. 61¼° W., 32½ lks. dist., with healed double blaze.

	S. 87° 22' 00" W., beginning new measurement.
	Descend over broken SW. slope.
1.30	Ravine, drains S. 55° W.; continue descending over broken SW. slope.
6.35	Easterly shore of Ben Irving Reservoir, shore bears N. 20° W. and S. 20° E.; across reservoir.
18.483	Point for the W 1/16 sec. cor. of secs. 17 and 20, not monumented, falls in reservoir.
24.05	Westerly shore of Ben Irving Reservoir, shore bears N. 20° W. and S. 15° W.; asc. over NE. slope.
36.966	The cor. of secs. 17, 18, 19 and 20.

	From the 1/4 sec. cor. of secs. 8 and 17, perpetuated by Frank Cain, Deputy County Surveyor, in 1913, from original evidence no longer in existence, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W. No. 34, further perpetuated by James W. Byron, Deputy County Surveyor, in 1962, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W. No. 147, further perpetuated by Larry E. Monrean, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W. No. 220; monumented with an iron post, 1½ ins. diam., firmly set, projecting 6 ins. above ground (with an iron pipe, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, alongside), with brass cap mkd.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	DOUGLAS CO SURVEYOR T29S R7W S 8 1/4 --- S 17 1977
	from which a remaining bearing tree mkd. by Cain A fir, 29 ins. diam., bears N. 23° E., 31 lks. dist., with healed blaze. and a bearing tree mkd. by Byron A fir, 26 ins. diam., bears S. 2¼° W., 19 lks. dist., with healed blaze. N. 88° 55' 43" W., bet. secs. 8 and 17. Ascend over broken NE. slope, through timber and moderate undergrowth.
15.10	Spur, slopes N. 35° E.; desc. over broken NW. slope.
19.555	The W 1/16 sec. cor. of secs. 8 and 17, established by James D. Artman, Registered Land Surveyor No. 2268, in 1990, recorded in the Douglas County Surveyors Office map file M111-17, and is accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 5 ins. above ground, with plastic cap mkd. ARTMAN RLS 2268, from which bearing trees mkd. by Artman: A fir, 8 ins. diam., bears S. 66¼° E., 31 lks. dist., with healed blaze. An oak, 7 ins. diam., bears S. 87° W., 27½ lks. dist., with healed blaze. At the corner point Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, directly over the iron rod, with brass cap mkd.
	S 8 W1/16 --- S 17 1995
	from which a new bearing tree An oak, 7 ins. diam., bears N. 69° W., 44 lks. dist., mkd. W1/16 S8 BT.
	<hr style="width: 20%; margin: auto;"/>
	N. 88° 55' 24" W., beginning new measurement. Descend over NW. slope.
3.00	Ravine, drains N. 35° E.; asc. over broken NE. slope.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
19.551	The cor. of secs. 7, 8, 17 and 18.
	<hr/> Subdivision of Section 17, T. 29 S., R. 7 W., Willamette Meridian, Oregon <hr/>
	From the 1/4 sec. cor. of secs. 17 and 20.
	N. 2° 40' 14" E., on the N. and S. centerline of sec. 17.
	Descend over NW. slope, through timber and moderate undergrowth.
1.15	Ravine, drains S. 45° W.; asc. over SE. slope.
5.65	Spur, slopes S. 45° W.; desc. over broken NW. slope.
11.40	Ravine, drains S. 85° W.; asc. over broken SW. slope.
19.856	The center S 1/16 sec. cor. of sec. 17, established by Gary L. Langlitz, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W. No. 239, and is accepted as the corner; monumented with an iron post, 1 in. diam., firmly set, projecting 2 ins. above ground with brass cap mkd.
	DOUGLAS COUNTY SURVEYOR T29S R7W C S1/16 S 17 C 1977
	from which bearing trees mkd. by Langlitz
	A fir, 12 ins. diam., bears S. 3 3/4° E., 25 lks. dist., with healed double blaze.
	A pine, 14 ins. diam., bears N. 82° W., 50 lks. dist., with healed double blaze.
	<hr/>
	N. 2° 39' 51" E., beginning new measurement.
	Ascend over broken SW. slope.
9.80	Ridge, bears N. 25° W. and S. 25° E.; desc. over broken NE. slope.
19.862	The center 1/4 sec. cor. of sec. 17, established by Gary L. Langlitz, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W. No. 242, and is accepted as the corner; monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.
	DOUGLAS COUNTY SURVEYOR T29S R7W C1/4 + S 17 1977

**Subdivision of Section 17,
T. 29 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	<p>from which the remains of bearing trees mkd. by Langlitz</p> <p style="padding-left: 40px;">A sawed fir stump, 15 ins. diam., bears N. 12° E., 69 lks. dist., with scribe marks 1/4 S17 CS BT visible on partially healed double blaze.</p> <p style="padding-left: 40px;">A fir, 27 ins. diam., bears S. 56½° E., 36 lks. dist., with healed double blazes.</p> <p>and a new bearing tree</p> <p style="padding-left: 40px;">A fir, 9 ins. diam., bears S. 51¼° W., 84 lks. dist., mkd. C1/4 S17 BT.</p> <p>The corner is located 3 lks. N. of a barbed wire fence extending E.-W.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 2° 38' 30" E., beginning new measurement.</p> <p>Descend over broken NE. slope.</p>
11.70	Ravine, drains N. 50° E.; asc. over broken SE. slope.
17.40	Dirt road, 20 lks. wide, bears N. 30° W. and S. 30° E.
18.225	<p>The center N 1/16 sec. cor. of sec. 17, established by Eugene A. Bloom, Registered Land Surveyor No. 492, in 1979, recorded in the Douglas County Surveyors Office map file M79-6, and is accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 6 ins. above ground, from which the remains of bearing trees mkd. by Bloom:</p> <p style="padding-left: 40px;">A root hole, bears N. 8½° W., 59 lks. dist., with down 12 in. diam. fir alongside, with healed blaze.</p> <p style="padding-left: 40px;">A fir, 13 ins. diam., bears N. 55° W., 28½ lks. dist., with healed blaze.</p> <p>At the corner point</p> <p>Drive a 2 in. diam. aluminum cap onto iron rod, with top mkd.</p> <div style="text-align: center; margin: 10px 0;"> C N1/16 S 17 C 1995 </div> <p>from which a new bearing tree</p> <p style="padding-left: 40px;">A fir, 12 ins. diam., bears N. 33¼° E., 8½ lks. dist., mkd. CN1/16 S17 BT.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 2° 40' 13" E., beginning new measurement.</p> <p>Ascend over broken SE. slope.</p>
4.15	Spur, slopes E.; desc. over broken E. slope.

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CHAINS	
5.211	A lot corner established by Eugene A. Bloom, Registered Land Surveyor No. 492, in 1979, recorded in the Douglas County Surveyors Office map file M80-58, and is accepted as a point on line; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 6 ins. above ground.
17.30	Spur, slopes E.; desc. over E. slope.
18.234	The 1/4 sec. cor. of secs. 8 and 17. <hr/> From the 1/4 sec. cor. of secs. 16 and 17. S. 86° 08' 06" W., on the E. and W. centerline of sec. 17. Over level ground, through scattering trees and dense undergrowth.
13.20	Olalla Creek, 50 lks. wide, course N. 50° W.; asc. over broken NE. slope.
17.495	The center E 1/16 sec. cor. of sec. 17, established by Bruce R. Rogers, Registered Land Surveyor No. 660, in 1964, recorded in the Douglas County Surveyors Office map file M28-69, and recovered by Gary L. Langlitz, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W. No. 236, and is accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 3 ins. above ground, from which the remains of bearing trees mkd. by Rogers: A sawed fir stump, 22 ins. diam., bears S. 25¼° E., 69 lks. dist., with healed double blaze. A sawed fir stump, 24 ins. diam., bears N. 66° W., 42 lks. dist., with no marks or blaze visible. At the corner point Drive a 2 in. diam. aluminum cap onto iron rod, with top mkd. E1/16 C ---S C S 17 1995 from which new bearing trees A fir, 7 ins. diam., bears S. 26° E., 30 lks. dist., mkd. CE1/16 S17 BT. A fir, 12 ins. diam., bears N. 44½° W., 13½ lks. dist., mkd. CE1/16 S17 BT. The corner is located S. 60° E., 27 lks. dist. of a fir tree, 14 ins. diam., used as a fence post, with 3 strand barbed wire fence extending N. 20° E. and S. 60° W. <hr/> S. 86° 06' 58" W., beginning new measurement. Ascend over broken NE. slope.

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CHAINS	
16.50	Spur, slopes N.; desc. over broken NW. slope.
17.518	The center 1/4 sec. cor. of sec. 17. <hr/>
	S. 86° 07' 36" W., beginning new measurement.
	Descend over broken NW. slope.
3.55	Ravine, drains N.; asc. over broken NE. slope.
10.95	Top of ridge, bears N. and S., and terminus of dirt road, 20 lks. wide, bears N.; desc. over broken W. slope.
16.75	Ravine, drains S.; asc. over SE. slope.
19.032	The center W 1/16 sec. cor. of sec. 17, established by Gary L. Langlitz, Deputy County Surveyor, in 1977, recorded in the Douglas County Surveyors Office corner renewal file, T. 29 S., R. 7 W. No. 241, and is accepted as the corner; monumented with an iron post, 1 in. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd. <div style="text-align: center;">DOUGLAS COUNTY SURVEYOR W1/16 C ---S C S 17 1977</div> <p>from which bearing trees mkd. by Langlitz</p> <p style="margin-left: 40px;">A fir, 12 ins. diam., bears S. 61 3/4° E., 51½ lks. dist., with healed double blaze.</p> <p style="margin-left: 40px;">A fir, 13 ins. diam., bears S. 19 3/4° W., 47½ lks. dist., with healed double blaze.</p> <p>The corner is located N. 67° E., 41 lks. dist. of a fir tree, 14 ins. diam., used as a fence post, with barbed wire fence extending N. 30° E. and E.</p> <hr/>
	S. 86° 07' 12" W., beginning new measurement.
	Ascend over SE. slope.
4.65	Spur, slopes S. 35° W.; desc. over broken SW. slope.
9.35	Ravine, drains S. 25° W.; asc. over broken SE. slope.
19.029	The 1/4 sec. cor. of secs. 17 and 18. <hr/>
	From the E 1/16 sec. cor. of secs. 17 and 20.
	N. 1° 14' 20" E., on the N. and S. centerline of the SE 1/4 of sec. 17.

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CHAINS	
	Ascend over SE. slope, through heavy timber and moderate undergrowth.
8.30	Ridge, bears N. 30° W. and S. 30° E.; desc. over broken NE. slope.
20.015	Point for the SE 1/16 sec. cor. of sec. 17, at intersection with the E. and W. centerline of the SE 1/4. Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd. SE1/16 S 17 1994 from which A fir, 12 ins. diam., bears S. 35¼° E., 19½ lks. dist., mkd. X BT. A fir, 13 ins. diam., bears N. 81½° W., 10½ lks. dist., mkd. SE1/16 S17 BT. Deposit a white "DEEP-1" magnetic marker at base of stainless steel post. Descend over broken NE. slope.
22.60	Ravine, drains N. 65° E.; asc. over broken SE. slope.
25.05	Spur, slopes N. 65° E.; desc. over broken NE. slope.
40.030	The center E 1/16 sec. cor. of sec. 17. <hr/>
	From the S 1/16 sec. cor. of secs. 16 and 17. S. 86° 45' 42" W., on the E. and W. centerline of the SE 1/4 of sec. 17. Ascend over broken E. slope, through scattered timber and moderate undergrowth.
13.75	Spur, slopes N. 55° E.; continue ascending over broken NE. slope.
17.989	The SE 1/16 sec. cor. of sec. 17. Ascend over broken NE. slope.
24.30	Ridge, bears N. 35° W. and S. 50° E.; desc. over broken SW. slope.
35.987	The center S 1/16 sec. cor. of sec. 17. <hr/>
	From the point for the W 1/16 sec. cor. of secs. 17 and 20, not monumented, falls in reservoir. N. 1° 55' 42" E., on the N. and S. centerline of the SW 1/4 of sec. 17.

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CHAINS	
	Across Ben Irving Reservoir.
19.628	True point for the SW 1/16 sec. cor. of sec. 17, at intersection with the E. and W. centerline of the SW 1/4, falls in reservoir, not monumented.
	Across Ben Irving Reservoir.
27.35	Northerly shore of Ben Irving Reservoir, shore bears E. and W.; asc. over broken SW. slope.
27.928	Point selected for a witness point on the N. and S. centerline of the SW 1/4 of sec. 17.
	Set an aluminum rod, 14 ins. long, 3/4 in. diam., 13 ins. in the ground, cemented in a drill hole 6 ins. deep, with aluminum cap mkd.
	WP W S 17 W 1994
	from which
	An oak, 18 ins. diam., bears N. 5¼° E., 64 lks. dist., mkd. X BT.
	An oak, 7 ins. diam., bears N. 79½° E., 59 lks. dist., mkd. X BT.
	From this point, a boundary corner of Ben Irving Reservoir, bears N. 1° 32' 56" E., 0.263 chs. dist., established by James F. Gosson, Registered Land Surveyor No. 1198, in 1980, recorded in the Douglas County Surveyors Office map file, RM3-30; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 4 ins. above ground, with aluminum cap mkd. DOUGLAS CO RD DPT R-W.
36.05	Ravine, drains S. 30° W.; asc. over SE. slope.
39.260	The center W 1/16 sec. cor. of sec. 17.
	From the center S 1/16 sec. cor. of sec. 17.
	S. 86° 44' 27" W., on the E. and W. centerline of the SW 1/4 of sec. 17.
	Descend over broken SW. slope, through scattered timber and moderate undergrowth.
11.057	Point selected for the witness cor. to the SW 1/16 sec. cor. of sec. 17.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.

Subdivision of Section 17,
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CHAINS	
	WC SW1/16 S 17 <---SS 1994
	from which A madrone, 9 ins. diam., bears N. 67 3/4° W., 20 lks. dist., mkd. X BT on the bark. A fir, 12 ins. diam., bears N. 24° W., 16½ lks. dist., mkd. X BT. Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.
11.65	Easterly shore of Ben Irving Reservoir, shore bears N. 20° E. and S. 20° E.; across reservoir.
18.757	True point for the SW 1/16 sec. cor. of sec. 17, not monumented, falls in reservoir. Across reservoir.
37.512	Point for the S 1/16 sec. cor. of secs. 17 and 18, not monumented, falls in reservoir. ----- From the center W 1/16 sec. cor. of sec. 17. N. 1° 40' 23" E., on the N. and S. centerline of the NW 1/4 of sec. 17. Ascend over broken SE. slope, through timber and moderate undergrowth.
9.25	Dirt road, 25 lks. wide, bears N. 20° E. and S. 10° W.
12.85	Ridge, bears N. 20° W. and S. 10° E.; desc. over broken NE. slope.
19.045	The NW 1/16 sec. cor. of sec. 17, established by Eugene A. Bloom, Registered Land Surveyor No. 492, in 1979, recorded in the Douglas County Surveyors Office map file M79-6, and is accepted as the corner; monumented with an iron rod, 5/8 in. diam., firmly set, projecting 5 ins. above ground, from which the remains of bearing trees mkd. by Bloom: A fir snag, 10 ins. diam., bears S. 7° E., 35 lks. dist., with healed blaze. A fir, 14 ins. diam., bears N. 46 3/4° W., 35½ lks. dist., with healed blaze. At the corner point Drive a 2 in. diam. aluminum cap onto iron rod, with top mkd.
	NW1/16 S 17 1995

**Subdivision of Section 17,
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CHAINS	<p>from which a new bearing tree</p> <p style="padding-left: 40px;">A fir, 12 ins. diam., bears N. 13½° E., 27 lks. dist., mkd. NW1/16 S17 BT.</p> <hr style="width: 30%; margin: 10px auto;"/> <p>N. 1° 42' 38" E., beginning new measurement.</p> <p>Descend over broken NE. slope.</p>
19.042	<p>The W 1/16 sec. cor. of secs. 8 and 17.</p> <hr style="width: 80%; margin: 10px auto;"/> <p>From the center N 1/16 sec. cor. of sec. 17.</p> <p>S. 88° 39' 00" W., on the E. and W. centerline of the NW 1/4 of sec. 17.</p> <p>Ascend over broken NE. slope, through timber and moderate undergrowth.</p>
19.277	<p>The NW 1/16 sec. cor. of sec. 17.</p> <hr style="width: 50%; margin: 10px auto;"/> <p>S. 88° 37' 05" W., beginning new measurement.</p> <p>Ascend over broken NE. slope.</p>
15.55	<p>Ridge, bears N. 10° W. and S. 10° E.; desc. over broken W. slope.</p>
19.265	<p>The N 1/16 sec. cor. of secs. 17 and 18.</p> <hr style="width: 80%; margin: 10px auto;"/>
GENERAL DESCRIPTION	
<p>The lands included in the foregoing resurvey are located in hilly country approximately four miles southeasterly of Tenmile, Oregon. The elevation ranges from approximately 913 feet above sea level at Ben Irving Reservoir, to about 1530 feet above sea level near the E 1/16 section corner of sections 17 and 20.</p> <p>The area is drained by Olalla Creek and numerous other small and seasonal drainage. The soil varies from good to rocky, with rock outcroppings and bluffs throughout the area. The timber consists of fir, cedar, hemlock, pine, maple, oak, chinquapin, yew, madrone and alder. The undergrowth is mainly salal, Oregon grape, manzanita, arrowwood, poison oak, vine maple and young timber.</p> <p>Access is gained via Interstate Route 5, State Highway No. 42, and County Road Nos. 38, 125, 140, 141 and 365, with other graveled and dirt roads branching from them into the area.</p> <p>No mineral deposits were noted along the lines resurveyed. The lands are used primarily for timber and recreation.</p> <p>The average of the number of readings over the area gives a value of 18° East for the mean magnetic declination with a range of 1° due to local attraction.</p> <hr style="width: 80%; margin: 10px auto;"/>	