

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE  
CORRECTIVE DEPENDENT RESURVEY OF THE EAST 1/2  
OF THE LINE BETWEEN SECTIONS 8 AND 17,  
THE DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES  
AND  
THE SUBDIVISION OF SECTION 17,  
TOWNSHIP 29 SOUTH, RANGE 8 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 June 27, 1995, and  
Supplemental Special Instructions dated November 8, 1995,  
and approved June 28, 1995, and November 9, 1995,  
which provided for the surveys included under Group No. 1776, and  
Assignment Instructions dated October 19, 1995, and November 13, 1995.

***Survey commenced October 26, 1995***  
***Survey completed November 20, 1995***

## T. 29 S., R. 8 W., Willamette Meridian, Oregon

## CHAINS

The following field notes are those of the corrective dependent resurvey of the E 1/2 of the line between sections 8 and 17, the dependent resurvey of a portion of the subdivisional lines, and the subdivision of section 17, township 29 south, range 8 west, Willamette Meridian, Oregon.

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

In 1856, Dennis Hathorn, U.S. Deputy Surveyor, surveyed a portion of the boundaries and subdivisional lines.

In 1856-57, Josiah A. Burnett, U.S. Deputy Surveyor, surveyed the boundaries of Donation Land Claim No. 40.

In 1973-76, Charles E. Akin, Jr. and James E. Jelley, Cadastral Surveyors, and Bruce A. Shaner, Registered Professional Land Surveyor No. 430, resurveyed a portion of the south and west boundaries and subdivisional lines and subdivided sections 7 and 13.

In 1980-82, James E. Jelley and Wayne L. Rogers, Cadastral Surveyors, resurveyed a portion of the subdivisional lines and subdivided sections 9, 10, 11 and 15.

In 1995, Mark F. Smalley, Registered Professional Land Surveyor No. 2354, notified this office of an error in the position of the E 1/16 section corner of sections 8 and 17 established by Akin, Jelley, and Shaner in 1973-76. This error was verified, necessitating a corrective dependent resurvey.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, the Special Instructions dated June 27, 1995, and Supplemental Special Instructions dated November 8, 1995, for Group No. 1776, Oregon.

The majority of measurements for this survey were determined utilizing the NAVSTAR Global Positioning System and Trimble 4000SE dual frequency, carrier phase receivers. Geodetic computations were done in NAD83 utilizing control coordinates from the 1991 adjustment. The design of the survey network followed guidelines published by the Federal Geodetic Control Committee in May 1988, in the publication "Geometric Geodetic Accuracy Standards and Specifications for Using GPS Relative Positioning Techniques." Two B order stations from the National Spatial Reference System were used as control, both of which were established using GPS technology. The coordinates used were:

## Colonial

Latitude 43° 11' 07.5890" N.  
Longitude 123° 29' 08.7016" W.

## Wcam

Latitude 43° 00' 36.9083" N.  
Longitude 123° 41' 58.6350" W.

## T. 29 S., R. 8 W., Willamette Meridian, Oregon

CHAINS

GPS baselines were computed in "GPSurvey v.2.00a" and adjusted by least squares analysis in "Geolab v.2.4d". The positional uncertainty, as determined by the semi-major axis of the error ellipses at 95% confidence, ranged from 0.03 to 0.10 foot. Corners not occupied directly by GPS were tied by closed traverse. All measurements along the lines surveyed 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. The directions of the lines are based on the true meridian as determined by adjusted GPS baselines and direct solar observations and were carried forward by means of sustained angulation.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. The retracement data were 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 NAD 83(91) geographic coordinates for those corners at which direct GPS observations were taken are listed below. These values are taken directly from the "TRIMNET" fixed adjustment of the GPS network and do not reflect any subsequent adjustment that may have occurred when combined with the terrestrial data in CMM. Therefore, the bearings and distances determined by inverting between these positions may yield slight differences from those shown in the notes and on the plat.

The 1/4 section corner of sections 16 and 17.

Latitude: 43° 02' 51.446" N.  
Longitude: 123° 39' 42.717" W.

The 1/4 section corner of sections 17 and 20.

Latitude: 43° 02' 24.884" N.  
Longitude: 123° 40' 18.450" W.

The 1/4 section corner of sections 17 and 18.

Latitude: 43° 02' 50.616" N.  
Longitude: 123° 40' 53.431" W.

The mean magnetic declination is 18° East.

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**Corrective Dependent Resurvey of the E 1/2  
of the Line Between Sections 8 and 17,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon**

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**Corrective Dependent Resurvey of the E 1/2  
of the Line Between Sections 8 and 17,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon**

CHAINS

(Restoring the survey by Dennis Hathorn in 1856  
and correcting the resurvey by Charles E. Akin,  
James E. Jelley, and Bruce A. Shaner in 1973-76)

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Beginning at the cor. of secs. 8, 9, 16 and 17, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.

COUNTY SURVEYORS OFFICE

T29S    R8W

S 8 \* S 9

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S 17 \* S 16

1958

from which the remains of bearing trees mkd. by James W. Byron, Deputy County Surveyor, in 1958

A sawed decayed stump, species indeterminate, 28 ins. diam., bears N. 83½° E., 119 lks. dist., with fragmentary T visible on open partially decayed blaze. (Record, N. 86° E.)

A sawed fir stump, 21 ins. diam., bears S. 57° E., 72 lks. dist., with no marks or blaze visible. (Record, S. 55° E.)

A fir, 21 ins. diam., bears S. 68¼° W., 71½ lks. dist., with healed double blaze. (Record, S. 71° W.)

A cedar, 21 ins. diam., bears N. 11½° W., 91 lks. dist., with fragmentary scribe marks visible on partially healed double blaze. (Record, N. 10° W.)

and bearing trees mkd. by person(s) unknown

A cedar, 20 ins. diam., bears N. 49° E., 72 lks. dist., with healed blaze.

A fir, 13 ins. diam., bears S. 56¼° E., 53 lks. dist., with healed blaze.

The corner is located at a fence corner, with woven wire fences extending N. 80° E. and S.

S. 87° 52' 37" W., bet. secs. 8 and 17.

Descend over broken SW. slope, through timber with moderate undergrowth.

14.710

A property corner established by Mark F. Smalley, Registered Professional Land Surveyor No. 2354, in 1995, recorded in the Douglas County Surveyors Office map file M119-69; monumented with a rebar, 5/8 in. diam., firmly set, projecting 15 ins. above ground, with a 2 in. diam. aluminum cap mkd. T29S RRCO R8W SEC8 PROP COR 1995 LS2354, from which bearing trees mkd. by Smalley:

A fir, 15 ins. diam., bears S. 34¼° W., 36 lks. dist., with scribe marks PC BT visible on open blaze.

**Corrective Dependent Resurvey of the E 1/2  
of the Line Between Sections 8 and 17,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon**

CHAINS	<p style="text-align: center;">A fir, 17 ins. diam., bears S. 85° W., 31 lks. dist., with scribe marks PC BT visible on open blaze.</p> <p>From this point, a property corner established by Harold L. Ball, Registered Professional Engineer No. 6025, in 1977, recorded in the Douglas County Surveyors Office map file M64-43, bears S. 3° 26' 22" E., 0.117 chs. dist.; monumented with a rebar, 5/8 in. diam. firmly set, projecting 6 ins. above ground.</p> <p>20.119 The E 1/16 sec. cor. of secs. 8 and 17, established by Mark F. Smalley, Registered Professional Land Surveyor No. 2354, in 1995, recorded in the Douglas County Surveyors Office map file M119-69, and is accepted as the corner; monumented with an iron pin, 5/8 in. diam., firmly set, projecting 12 ins. above ground, with 2 in. diam. aluminum cap mkd.</p> <p style="text-align: center;">T29S RRCO R8W E 1/16 8 ----- 17 1995 LS2354</p> <p>from which bearing trees mkd. by Akin, Jelley, and Shaner</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears N. 48¼° E., 56 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears S. 47¼° E., 61 lks. dist., with healed blaze.</p> <p>and new bearing trees</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears N. 3¾° E., 54 lks. dist., mkd. E1/16 S8 BT.</p> <p style="padding-left: 40px;">A fir, 14 ins. diam., bears S. 75 3/4° E., 51 lks. dist., mkd. E1/16 S17 BT.</p> <p>From this point, the corner erroneously established by Akin, Jelley, and Shaner in 1973-76, bears S. 71° 29' 00" E., 0.443 chs. dist.; monumented with an iron post, 2½ ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. E1/16 S8 S17 1973, from which bearing trees mkd. by Akin, Jelley, and Shaner:</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears S. 5½° E., 27½ lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears N. 0 3/4° W., 51½ lks. dist., with healed blaze. (Record, N. 1° E.)</p> <p>The marks on the brass cap were filed off and the brass cap was remarked AM 29.2 FT TO COR 1995 and an arrow pointing to the corner.</p> <p style="text-align: center;">-----</p> <p>S. 87° 52' 02" W., beginning new measurement.</p>
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**Corrective Dependent Resurvey of the E 1/2  
of the Line Between Sections 8 and 17,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon**

CHAINS	<p>Descend over NW. slope.</p> <p>20.121 The true point for the 1/4 sec. cor. of secs. 8 and 17, falls in Jim Belieu Creek, 20 lks. wide, course S. 70° W., not monumented, determined by the Irregular Boundary adjustment between the cor. of secs. 8, 9, 16 and 17 and the witness cor. to the 1/4 sec. cor. of secs. 8 and 17, hereinafter described.</p> <p>From this point, the witness cor. to the 1/4 sec. cor. of secs. 8 and 17 bears S. 89° 59' 11" W., 0.701 chs. dist., monumented with an iron post, 2½ ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.</p> <div style="text-align: center; margin: 10px 0;">       WC -----&gt;          S 8        1/4 -----          S 17        T29S   R8W          1973     </div> <p>from which the remains of bearing trees mkd. by Akin, Jelley, and Shaner</p> <p style="padding-left: 40px;">A sawed fir stump, 18 ins. diam., bears N. 74½° E., 48 lks. dist., with healed double blaze.</p> <p style="padding-left: 40px;">An oak, 16 ins. diam., bears S. 65½° E., 64 lks. dist., with healed double blaze.</p> <p>and a new bearing tree</p> <p style="padding-left: 40px;">A fir, 27 ins. diam., bears N. 10° E., 215 lks. dist., mkd. X BT.</p> <p>From this same point, the point reestablished at proportionate distance as the 1/4 sec. cor. of secs. 8 and 17 by James W. Byron, Deputy County Surveyor, in 1962, recorded in the Douglas County Surveyors Office map file RM2-20, bears N. 28° 48' 51" E., 0.853 chs. dist.; monumented with an iron post, bent over at an angle 6 ins. below ground, 1¼ ins. diam., firmly set flush with the ground, from which the remains of bearing trees mkd. by Byron:</p> <p style="padding-left: 40px;">An oak, 12 ins. diam., bears N. 17 3/4° E., 239 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A sawed fir stump, 24 ins. diam., bears S. 36½° W., 64 lks. dist., with healed blaze.</p> <hr style="width: 60%; margin: 20px auto;"/> <p style="text-align: center;"><b>Dependent Resurvey of a Portion of the Subdivisional Lines, T. 29 S., R. 8 W., Willamette Meridian, Oregon</b></p> <hr style="width: 60%; margin: 20px auto;"/> <p style="text-align: center;">(Restoring the survey by Dennis Hathorn in 1856)</p> <hr style="width: 20%; margin: 10px auto;"/>
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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon**

CHAINS	<p>From the 1/4 sec. cor. of secs. 16 and 17, perpetuated by James W. Byron, Deputy County Surveyor, in 1958, from original evidence no longer in existence, recorded in the Douglas County Surveyor's Record of Government Corners Renewed, T. 29 S., R. 8 W., No. 90, further perpetuated by Randall W. Smith, Deputy County Surveyor, in 1993, recorded in the Douglas County Surveyor's Record of Government Corners Renewed, T. 29 S., R. 8 W., No. 217; monumented with an iron post, 1½ ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE S * S 1/4 17 * 16 T29S R8W 1958</p> <p>from which the remains of bearing trees mkd. by Byron</p> <p style="padding-left: 40px;">The most southerly trunk of a dead double trunk cedar, 30 ins. diam. (around both trunks), bears N. 15° E., 47 lks. dist., with healed double blaze.</p> <p style="padding-left: 40px;">A cedar, 23 ins. diam., bears S. 71 3/4° W., 106 lks. dist., with healed double blaze.</p> <p>and bearing trees mkd. and an accessory by Smith</p> <p style="padding-left: 40px;">The most westerly trunk of a double trunk oak, 7 ins. diam. (around westerly trunk), bears N. 28½° E., 92 lks. dist., with scribe marks 1/4 S16 CS BT visible on open double blaze.</p> <p style="padding-left: 40px;">An oak, 11 ins. diam., bears S. 8½° W., 83 lks. dist., with scribe marks 1/4 S17 CS BT visible on open double blaze.</p> <p style="padding-left: 40px;">A National Geodetic Survey vertical control monument, bears S. 73¼° E., 105.6 lks. dist., monumented with a brass disk, 3½ ins. diam., cemented flush in solid rock, with top mkd. N741 X 1987 and a horizontal line in the middle, from which an orange carsonite post, cemented in solid rock, bears N. 30° E., 1.0 ft. dist.</p> <p>N. 0° 07' 59" W., bet. secs. 16 and 17.</p> <p>Ascend over gradual SW. slope, through timber and moderate undergrowth.</p> <p>20.177 Point for the N 1/16 sec. cor. of secs. 16 and 17.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">N 1/16 S 17 * S 16 1995</p> <p>from which</p>
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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon**

<p>CHAINS</p> <p>40.354</p>	<p>An oak, 8 ins. diam., bears S. 14 3/4° E., 77 lks. dist., mkd. N1/16 S16 BT.</p> <p>A fir, 19 ins. diam., bears N. 59½° W., 25½ lks. dist., mkd. N1/16 S17 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located W., 0.035 chs. dist. of a woven wire fence, extending N. and S.</p> <p>Continue ascending over SW. slope, on the W. edge of a clearcut.</p> <p>The cor. of secs. 8, 9, 16 and 17.</p>
<p>40.104</p>	<p align="center"><b>Subdivision of Section 17, T. 29 S., R. 8 W., Willamette Meridian, Oregon</b></p> <hr/> <p>From the 1/4 sec. cor. of secs. 17 and 20, perpetuated by Ben B. Irving, Deputy County Surveyor, in 1927, from original evidence no longer in existence, recorded in the Douglas County Surveyor's Record of Government Corners Renewed, T. 29 S., R. 8 W., No. 14, further perpetuated by James W. Byron, Deputy County Surveyor, in 1958, recorded in the Douglas County Surveyor's Record of Government Corners Renewed, T. 29 S., R. 8 W., No. 73; monumented with an iron post, 1½ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd.</p> <p align="center">COUNTY SURVEYORS OFFICE T29S R8W S 17 1/4 ----- S 20 1958</p> <p>from which bearing trees mkd. by Irving</p> <p>A fir, 46 ins. diam., bears N. 59½° E., 392 lks. dist., with healed blaze.</p> <p>A fir, 46 ins. diam., bears S. 87° E., 340 lks. dist., with healed blaze.</p> <p>The corner is located in a Christmas tree plantation and on the S. side of a 7 in. diam. wood post, and W., 3.65 chs. dist. of Kirkendahl Road (County Road No. 128A), asphalt-surfaced, 30 lks. wide, extends N. and S.</p> <p>N. 0° 04' 34" W., on the N. and S. center line of sec. 17.</p> <p>Over nearly level ground, through Christmas tree plantations and fields.</p> <p>Point for the center 1/4 sec. cor. of sec. 17, at intersection with the E. and W. center line.</p>

Subdivision of Section 17,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon

CHAINS	
	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 40 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T29S R8W C 1/4 S 17 1995</p> <p>from which</p> <p>A stainless steel post, 28 ins. long, 2½ ins. diam., set 22 ins. in the ground, for a reference monument, with silver "DEEP-1" magnetic marker at base, bears N. 35° E., 14 lks. dist., with brass cap mkd. RM C1/4 S17 9.2 FT TO COR 1995 and an arrow pointing to the corner.</p> <p>A metal flag pole, 3 ins. diam., set in concrete, bears N. 74¼° E., 116 lks. dist.</p> <p>The SW. cor. of a pump house foundation, 3½ ft. x 4 ft., bears S. 45 3/4° E., 185 lks. dist., long side extends N.</p> <p>The corner is located S. 86° W., 0.095 chs. dist. of a fence corner, with woven wire fence extending N. 10° W. and E., and W., 3.75 chs. dist. of Kirkendahl Road (County Road No. 128A), asphalt-surfaced, 30 lks. wide, extends N. and S.</p> <p>Continue over nearly level ground.</p>
59.857	<p>Point for the center N 1/16 sec. cor. of sec. 17, not monumented.</p> <p>Continue over nearly level ground.</p>
79.610	<p>The true point for the 1/4 sec. cor. of secs. 8 and 17.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 16 and 17.</p> <p>S. 89° 04' 57" W., on the E. and W. center line of sec. 17.</p> <p>Descend over gradual W. slope, through timber and moderate undergrowth.</p>
20.131	<p>Point for the center E 1/16 sec. cor. of sec. 17, not monumented.</p> <p>Continue gradual descent over W. slope.</p>
40.262	<p>The center 1/4 sec. cor. of sec. 17.</p> <p>Over nearly level ground.</p>
79.572	<p>The 1/4 sec. cor. of secs. 17 and 18, monumented with an iron post, 2½ ins. diam., firmly set 24 ins. below ground, with brass cap mkd.</p> <p style="text-align: center;">T29S R8W 1/4 S 18 * S 17 1973</p>

Subdivision of Section 17,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon

CHAINS	
	<p>from which the remains of a bearing tree mkd. by Ben B. Irving, Deputy County Surveyor, in 1927</p> <p style="padding-left: 40px;">A sawed fir stump, 45 ins. diam., bears N. 56½° W., 1022 lks. dist., with scribe marks 1/4 C BT visible on the bark, stump is partially tipped up and out of the ground.</p> <p>and a new bearing tree</p> <p style="padding-left: 40px;">A fir, 21 ins. diam., bears N. 65° E., 483 lks. dist., mkd. 1/4 S17 BT.</p> <p>The corner is located in a large grass field.</p> <p>From this point, a reference monument established as a witness cor. to the 1/4 sec. cor. of secs. 17 and 18 by James W. Byron, Deputy County Surveyor, in 1962, recorded in the Douglas County Surveyors Office map file RM2-20, bears N. 88°46'54" E., 3.970 chs. dist.; monumented with an iron post, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd. COUNTY SURVEYORS OFFICE T29S R8W W.C. 262' WEST TO 1/4 S18 S17 1962, and an arrow pointing to the corner, from which the remains of bearing trees mkd. by Byron:</p> <p style="padding-left: 40px;">A fir snag, 10 ins. diam., bears N. 0 3/4° E., 51 lks. dist., with fragmentary scribe marks visible on partially healed double blaze.</p> <p style="padding-left: 40px;">A decayed fir stump, size indeterminate, bears S. 76¼° E., 3 lks. dist., no marks visible.</p> <p>The witness cor. is located W., 0.12 chs. dist. of a drainage ditch, 15 lks. wide, ditch bears N. and S. 10° W.</p> <hr/> <p>From the N 1/16 sec. cor. of secs. 16 and 17.</p> <p>S. 88° 28' 39" W., on the E. and W. center line of the NE 1/4 of sec. 17.</p> <p>Descend over gradual NW. slope, through timber and moderate undergrowth.</p>
14.90	<p>Ravine, drains S. 70° W.; desc. over gradual S. slope, through open field.</p>
20.124	<p>Point for the NE 1/16 sec. cor. of sec. 17, at the calculated position.</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;">NE 1/16 S17 1995</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears N. 0¼° E., 24 lks. dist., mkd. NE1/16 S17 BT.</p>

Subdivision of Section 17,  
T. 29 S., R. 8 W., Willamette Meridian, Oregon

CHAINS	<p style="text-align: center;">An oak, 6 ins. diam., bears N. 43 3/4° E., 95 lks. dist., mkd. NE1/16 S17 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>The corner is located in a large grass field.</p> <hr/> <p>N. 0° 06' 13" W., on the N. and S. center line of the NE 1/4 of sec. 17.</p> <p>Ascend over gradual SW. slope, through open fields with scattered trees and undergrowth.</p> <p>3.06 The most easterly corner of a tin well house, 2.8 x 2.6 ft., bears West, 0.005 chs. dist., long side extends N. 25° W.</p> <p>5.05 Spur, slopes N. 80° W.; desc. over gradual broken W. slope.</p> <p>9.25 The most easterly corner of a double wide mobile home, 24 x 60 ft., bears West, 0.386 chs. dist., long side extends S. 30° W.</p> <p>19.967 The E 1/16 sec. cor. of secs. 8 and 17.</p> <hr/> <p style="text-align: center;">GENERAL DESCRIPTION</p> <p>The lands included in the foregoing resurvey are located in gently rolling ground approximately one mile northerly of Camas Valley, Oregon. The elevation ranges from 1100 feet above sea level near the 1/4 corner of sections 17 and 18, to approximately 1380 feet above sea level near the corner of sections 8, 9, 16 and 17.</p> <p>The area is drained by Jim Belieu Creek with other small and seasonal drainages throughout. The timber consists of fir, cedar, pine, oak, madrone, maple and chinquapin. The undergrowth is mainly salal, arrowwood, vine maple, poison oak and young timber.</p> <p>Access is gained via Interstate 5, State Highway 42, Westside Road (County Road No. 129), Kirkendahl Road (County Road No. 128A), with other gravelled and dirt roads branching into the area.</p> <p>No mineral deposits were noted along the lines resurveyed. The lands are used primarily for timber and agriculture. There are several houses located in and around the area surveyed.</p> <p>The mean magnetic declination, as taken from the United States Geological Survey quadrangle map "CAMAS VALLEY, OREGON," provisional edition 1990, indicates a mean magnetic declination of 18° East.</p> <hr/>
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