

CHAINS

DUPLICATE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES  
OF THE  
DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES  
AND  
THE SUBDIVISION OF SECTIONS 3 AND 19,  
TOWNSHIP 21 SOUTH, RANGE 5 WEST,  
OF THE WILLAMETTE MERIDIAN,  
IN THE STATE OF OREGON.

EXECUTED BY

*Bryan S. Seibold, Cadastral Surveyor*

Under Special Instructions dated August 2, 1990,  
approved August 8, 1990,  
which provided for the surveys included under Group No. 1564,  
and Assignment Instructions dated August 15, 1990.

*Survey commenced August 22, 1990*

*Survey completed November 27, 1990*

## T. 21 S., R. 5 W., Willamette Meridian, Oregon

## CHAINS

The following field notes are those of the dependent resurvey of a portion of the subdivisional lines and the subdivision of sections 3 and 19, township 21 south, range 5 west, Willamette Meridian, Oregon.

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

The north boundary was surveyed by Harvey Gordon, U.S. Deputy Surveyor, in 1854.

The west boundary and a portion of the subdivisional lines were surveyed by Harvey Gordon and Charles T. Gardner, U.S. Deputy Surveyors, in 1855.

A portion of the subdivisional lines was surveyed by Daniel W. Applegate, U.S. Deputy Surveyor, in 1880.

A portion of the subdivisional lines was surveyed by William P. Wright, U.S. Deputy Surveyor, in 1884.

The north boundary was resurveyed by Floyd A. Brooks and Timothy A. Kent, Cadastral Surveyors, in 1967-71.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated August 2, 1990, for Group No. 1564, 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.

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 remonumented at proportionate positions based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

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.

The geographic position (NAD 1927) of the one-quarter section corner of sections 3 and 34 on the north boundary of the township, as determined from a tie to Geodetic Control Station No. EC41071, established by the Bureau of Land Management in 1990, is as follows:

Latitude: 43° 46' 47.93" N. Longitude: 123° 16' 36.03" W.

The geographic position (NAD 1927) of the one-quarter section corner of sections 19 and 20, as determined from a tie to Geodetic Control Station No. EC41070, established by the Bureau of Land Management in 1990, is as follows:

## T. 21 S., R. 5 W., Willamette Meridian, Oregon

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Latitude: 43° 43' 45.56" N. Longitude: 123° 19' 35.64" W.

The mean magnetic declination is 19 3/4° East.

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**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon**


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(Restoring the survey by Daniel W. Applegate in 1880  
and William P. Wright in 1884)

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Beginning at the cor. of secs. 2, 3, 10, and 11, perpetuated by Wilford N. Haines, Registered Land Surveyor No. 239, in 1957, recorded in Douglas County Surveyor's Office map file M7-64, further perpetuated by Vernon "Ray" Tracy, Deputy County Surveyor, in 1965, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 121, and further perpetuated by Bruce A. Shaner, Registered Engineer No. 4906, in 1973, recorded in Douglas County Surveyor's Office map file M47-72, monumented with an iron post, 1½ ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd.

T21S R5W W.M.

S 3 \* S 2

-----  
S 10 \* S 11

1973

from which the remains of the original bearing trees

A rotted stump, 40 ins. diam., bears N. 40½° E., 47½ lks. dist., no marks visible. (Record, N. 50° E., 45 lks.)

A rotted stump, 40 ins. diam., bears S. 51½° E., 22½ lks. dist., no marks visible. (Record, S. 45° E., 21 lks.)

A rotted stump, 50 ins. diam., bears S. 71° W., 18 lks. dist., no marks visible. (Record, S. 83° W., 13 lks.)

A rotted stump, 15 ins. diam., bears N. 55½° W., 12 lks. dist., no marks visible. (Record, N. 85° W., 11 lks.)

and bearing trees mkd. by Haines

A chinquapin, 13 ins. diam., bears S. 74° E., 38 lks. dist., with fragmentary scribe marks visible on partially healed blaze.

A madrone, 13 ins. diam., bears S. 36° W., 38½ lks. dist., with healed blaze.

A fir, 25 ins. diam., bears N. 81½° W., 14 lks. dist., with healed blaze.

and a bearing tree mkd. by Tracy

A chinquapin, 10 ins. diam., bears N. 53½° E., 36½ lks. dist., with healed blaze.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon**

CHAINS	
	<p>Found a "T" shaped iron rod, 1 in. diam., firmly set, projecting 12 ins. above ground, with brass washer mkd. WILFORD N. HAINES 239 SURVEY POINT DRAIN, ORE., alongside iron post.</p> <p>The corner is located on the N. edge of a ridge, extending N. 45° E. and S. 45° W.</p> <p>N. 1° 13' 30" W., bet. secs. 2 and 3.</p> <p>Descend over gradual broken NE. slope, through heavy timber and dense undergrowth.</p>
9.20	Dirt road, 20 lks. wide, bears N. 60° W. and S. 60° E.
18.35	Begin steep descent over N. slope.
19.970	<p>Point for the S 1/16 sec. cor. of secs. 2 and 3.</p> <p>Set an aluminum rod, 12 ins. long, 3/4 in. diam., cemented 6 ins. in drill hole in rock face, with aluminum cap mkd.</p> <p style="text-align: center;">S 1/16 S 3 * S 2 1990</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 11 ins. diam., bears S. 69½° E., 21½ lks. dist., mkd. S 1/16 S2 BT.</p> <p style="padding-left: 40px;">A cedar, 8 ins. diam., bears S. 36½° W., 21 lks. dist., mkd. S 1/16 S3 BT.</p> <p>Descend over steep N. slope.</p>
22.25	Creek, 3 lks. wide, course S. 50° E.; asc. over steep S. slope.
24.10	Begin gradual ascent over broken S. slope.
36.55	Top, begin steep descent over NE. slope.
39.05	Creek, 2 lks. wide, course S. 30° E.; asc. over steep SW. slope.
39.940	<p>The 1/4 sec. cor. of secs. 2 and 3, perpetuated by Vernon "Ray" Tracy, Deputy County Surveyor, in 1965, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 129, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T21S 1/4 S 3 * S 2 R5W 1965</p> <p>from which the remains of the original bearing trees</p> <p style="padding-left: 40px;">A root hole, bears N. 88° E., 38 lks. dist.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
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CHAINS	
	<p>A root hole, bears N. 57° W., 21 lks. dist., with uprooted fir alongside, 21 ins. diam., with fragmentary scribe marks visible on opened blaze.</p> <p>and the remains of the bearing trees mkd. by Tracy</p> <p>A hemlock, 13 ins. diam., bears N. 5° E., 33 lks. dist., with healed double blaze.</p> <p>A sawed fir stump, 20 ins. diam., bears N. 31½° W., 29½ lks. dist., with healed blaze.</p> <p>and a new bearing tree</p> <p>A maple, 23 ins. diam., bears S. 36° W., 16½ lks. dist., mkd. 1/4 S3 BT.</p> <hr/> <p>From the cor. of secs. 2, 3, 10, and 11.</p> <p>N. 89° 30' 30" W., bet. secs. 3 and 10.</p> <p>Ascend over gradual broken NE. slope, through heavy timber and dense undergrowth.</p>
8.05	Ridge, bears N. 15° W. and S. 15° E.; desc. over gradual SW. slope.
12.80	Ravine, drains S. 20° W.; asc. over SE. slope.
14.90	Spur, slopes S. 15° W.; desc. over SW. slope.
17.50	Ravine, drains S. 5° E.; asc. over steep SE. slope.
20.315	Point for the E 1/16 sec. cor. of secs. 3 and 10.
	<p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">S 3 E 1/16 ----- S 10 1990</p>
	<p>from which</p> <p>A fir, 23 ins. diam., bears N. 60° E., 29 lks. dist., mkd. E 1/16 S3 BT.</p> <p>A fir, 38 ins. diam., bears S. 28° W., 41 lks. dist., mkd. E 1/16 S10 BT.</p> <p>Ascend over steep SE. slope.</p>
21.40	Begin gradual ascent over broken SE. slope.
27.70	Ridge, bears N. 35° E. and S. 35° W.; desc. over broken NW. slope.
36.25	Graveled road, 15 lks. wide, bears N. 45° W. and S. 45° E.

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon**

CHAINS 40.630	
	<p>The 1/4 sec. cor. of secs. 3 and 10, reestablished by proportionate measurement by Wilford N. Haines, Registered Land Surveyor No. 239, in 1957, recorded in Douglas County Surveyor's Office map file M7-64, perpetuated by Bruce A. Shaner, Registered Engineer No. 4906, in 1973, recorded in Douglas County Surveyor's Office map file M47-72; there is no remaining evidence of the original corner, therefore, this position is accepted as the corner, monumented with an iron post, 1½ ins. diam., firmly set, projecting 7 ins. above ground, with brass cap mkd.</p>
	<p>T21S R5W W.M. S3 1/4 ---- S10 1973</p>
	<p>from which the remains of the bearing trees mkd. by Haines</p>
	<p style="padding-left: 40px;">A root hole, bears N. 27 3/4° E., 54 lks. dist., with uprooted fir alongside, 26 ins. diam., with scribe marks 1/4 S3 BT visible on a bark blaze.</p>
	<p style="padding-left: 40px;">A sawed fir stump, 31 ins. diam., bears S. 50½° W., 64½ lks. dist., with healed double blaze.</p>
	<p>and a new bearing tree</p>
	<p style="padding-left: 40px;">A fir, 11 ins. diam., bears N. 9° E., 49 lks. dist., mkd. 1/4 S3 BT.</p>
	<p>No suitable tree available in sec. 10.</p>
	<p>Found a "T" shaped iron rod, 1 in. diam., firmly set, projecting 2 ins. above ground, with brass washer mkd. WILFORD N. HAINES 239 SURVEY POINT DRAIN, ORE., alongside iron post.</p>
	<hr style="width: 20%; margin: 0 auto;"/>
	<p>N. 89° 31' 00" W., beginning new measurement.</p>
	<p>Descend over steep NW. slope, on the S. edge of heavy timber and dense undergrowth and on the N. edge of a clearcut.</p>
6.80	<p>Creek, 8 lks. wide, course S. 60° W.; asc. over broken SE. slope.</p>
17.10	<p>Graveled road, 20 lks. wide, bears N. 40° E. and S. 40° W.</p>
22.85	<p>Spur, slopes S. 70° W.; desc. over steep NW. slope.</p>
27.80	<p>Creek, 5 lks. wide, course S. 25° W.; asc. over steep SE. slope.</p>
33.95	<p>Spur, slopes S. 30° W.; desc. over steep SW. slope.</p>
38.90	<p>Little Sand Creek, 20 lks. wide, course S. 20° E.; asc. over gentle NE. slope.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
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CHAINS

40.665

The cor. of secs. 3, 4, 9, and 10, perpetuated by Wilford N. Haines, Registered Land Surveyor No. 239, in 1957, recorded in Douglas County Surveyor's Office map file M7-64, further perpetuated by Bruce A. Shaner, Registered Engineer No. 4906, in 1973, recorded in Douglas County Surveyor's Office map file M47-72, monumented with an iron post, 1½ ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd.

T21S R5W W.M.  
S 4 \* S 3  
-----  
S 9 \* S 10  
1973

from which the remains of the original bearing trees

A sawed rotted stump, 17 ins. diam., bears S. 49° W., 61 lks. dist., no marks visible.

A sawed fir stump, 22 ins. diam., bears N. 65° W., 25 lks. dist., with fragmentary scribe marks visible on open blaze.

and the remains of the bearing trees mkd. by Haines

A sawed fir stump, 31 ins. diam., bears N. 2° E., 23½ lks. dist., with fragmentary scribe marks visible on a bark blaze.

A fir, 37 ins. diam., bears S. 3½° W., 11½ lks. dist., with healed double blaze.

and new bearing trees

A fir, 6 ins. diam., bears N. 41° E., 34½ lks. dist., mkd. T21S R5W S3 BT.

A fir, 6 ins. diam., bears S. 46° E., 51½ lks. dist., mkd. T21S R5W S10 BT.

A fir, 7 ins. diam., bears N. 32° W., 15 lks. dist., mkd. T21S R5W S4 BT.

Found a "T" shaped iron rod, 1 in. diam., firmly set, projecting 6 ins. above ground, with brass washer mkd. WILFORD N. HAINES 239 SURVEY POINT DRAIN, ORE., alongside iron post.

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From the cor. of secs. 19, 20, 29, and 30, perpetuated by A. R. Evans, Registered Engineer No. 2741, in 1952, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 8, further perpetuated by Vernon "Ray" Tracy, Deputy County Surveyor, in 1970, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 140, monumented with an iron post, 1½ ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd.



**Dependent Resurvey of a Portion of the Subdivisional Lines,  
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CHAINS	
	<p>A fir, 28 ins. diam., bears S. 39½° W., 29 lks. dist., mkd. 1/4 S30 BT.</p> <p>A fir, 32 ins. diam., bears N. 34° W., 31½ lks. dist., mkd. 1/4 S19 BT.</p> <p>Deposit white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, a point established as the 1/4 sec. cor. of secs. 19 and 30 by Wilford N. Haines, Registered Land Surveyor No. 239, in 1955, recorded in Douglas County Surveyor's Office map file M12-32, bears S. 3° 50' 30" W., 1.030 chs. dist., monumented with a "T" shaped iron rod, 1 in. diam., firmly set, projecting 5 ins. above ground, with brass washer mkd. WILFORD N. HAINES 239 SURVEY POINT DRAIN, ORE., from which bearing trees mkd. by Haines:</p> <p>A fir, 29 ins. diam., bears S. 12½° E., 9 lks. dist., with healed blaze.</p> <p>A fir, 17 ins. diam., bears N. 73¼° W., 5 lks. dist., with healed blaze.</p> <p>This point is not properly positioned, and is not utilized in this survey.</p> <p>Descend over broken NW. slope.</p>
50.55	Creek, 6 lks. wide, course S. 20° W.; asc. over SE. slope.
56.15	Spur, slopes S.; desc. over SW. slope.
59.40	Ravine, drains S. 5° E.; asc. over SE. slope.
63.750	<p>From this point, a point established as the W 1/16 sec. cor. of secs. 19 and 30 by Wilford N. Haines, Registered Land Surveyor No. 239, in 1955, recorded in Douglas County Surveyor's Office map file M12-32, bears South, 1.190 chs. dist., monumented with a "T" shaped iron rod, 1 in. diam., firmly set, projecting 2 ins. above ground, with brass washer mkd. WILFORD N. HAINES 239 SURVEY POINT DRAIN, ORE., from which bearing trees mkd. by Haines:</p> <p>A fir, 34 ins. diam., bears S. 17½° W., 55 lks. dist., with healed blaze.</p> <p>A fir, 72 ins. diam., bears S. 89½° W., 47 lks. dist., with healed blaze.</p> <p>This point is not properly positioned, and is not utilized in this survey.</p>
67.00	Spur, slopes S. 70° W.; desc. over NW. slope.
78.65	Creek, 5 lks. wide, course S. 5° E.; asc. over SE. slope.
80.415	The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the Tp., perpetuated by Milo E. Godfrey, Deputy County Surveyor, in 1961, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 65, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 10 ins. above ground, with brass cap mkd.

Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon

CHAINS	
	COUNTY SURVEYORS OFFICE T21S R6W R5W S 24 * S 19 ----- S 25 * S 30 1961
	<p>from which the remains of the original bearing trees</p> <p>A rotted fir snag, size indeterminate, bears S. 15° W., 21 lks. dist., no marks visible.</p> <p>A fir snag, 20 ins. diam., bears N. 41° W., 6 lks. dist., with scribe marks S24 T21S visible on opened blaze.</p> <p>and bearing trees mkd. by Godfrey</p> <p>A fir, 15 ins. diam., bears N. 3° E., 51½ lks. dist., with healed double blaze.</p> <p>An incense cedar, 29 ins. diam., bears S. 76° E., 104 lks. dist., with healed blaze.</p> <p>A root hole, bears S. 3° W., 62½ lks. dist., with down fir alongside, 18 ins. diam., no marks visible on decayed open double blaze.</p> <p>and new bearing trees</p> <p>A fir, 12 ins. diam., bears S. 44° W., 18½ lks. dist., mkd. T21S R6W S25 BT.</p> <p>A fir, 14 ins. diam., bears N. 26½° W., 28 lks. dist., mkd. T21S R6W S24 BT.</p> <p>From this point, a point established for the cor. of secs. 19, 24, 25, and 30 by Wilford N. Haines, Registered Land Surveyor No. 239, in 1955, recorded in Douglas County Surveyor's Office map file M12-32, bears N. 3° 37' 00" W., 0.205 chs. dist., monumented with a "T" shaped iron rod, 1 in. diam., firmly set, projecting 5 ins. above ground, with brass washer mkd. WILFORD N. HAINES 239 SURVEY POINT DRAIN, ORE., from which a bearing tree mkd. by Haines:</p> <p>An incense cedar, 52 ins. diam., bears N. 37° E., 89½ lks. dist., with healed blaze.</p> <p>This point is not properly positioned and is not utilized in this survey.</p> <hr/> <p>From the cor. of secs. 19, 20, 29 and 30.</p> <p>N. 0° 35' 00" W., bet. secs. 19 and 20.</p> <p>Descend over gentle NW. slope changing to broken NE. slope, through clearing with scattering trees.</p> <p>11.10 Leave clearing, edge bears E. and W.; enter heavy timber and dense undergrowth.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon**

CHAINS	
19.935	<p>Point for the S 1/16 sec. cor. of secs. 19 and 20.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">S 1/16 S 19 * S 20 1990</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 12 ins. diam., bears N. 32½° E., 36½ lks. dist., mkd. S 1/16 S20 BT.</p> <p style="padding-left: 40px;">A fir, 19 ins. diam., bears N. 51° W., 10½ lks. dist., mkd. S 1/16 S19 BT.</p> <p>Deposit white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, a fence corner, bears N. 83° W., 8 lks. dist., with woven wire fence extending E., W., and S.</p> <p>Descend over gentle NE. slope.</p>
23.60	Creek, 6 lks. wide, course E.; asc. over SE. slope.
26.20	Spur, slopes N. 70° E.; desc. over NE. slope.
27.75	Ravine, drains N. 20° E.; asc. over SE. slope.
31.70	Spur, slopes S. 60° E.; desc. over NE. slope.
38.50	Creek, 6 lks. wide, course S. 30° E.; asc. over SW. slope.
39.870	<p>The 1/4 sec. cor. of secs. 19 and 20, perpetuated by Vernon "Ray" Tracy, Deputy County Surveyor, in 1965, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 126, monumented with an iron post, 1 1/4 ins. diam., firmly set, projecting 8 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T21S 1/4 S 19 * S 20 R5W 1965</p> <p>from which a remaining original bearing tree</p> <p style="padding-left: 40px;">A fir, 32 ins. diam., bears N. 75° E., 38 lks. dist., with healed blaze.</p> <p>and bearing trees mkd. by Tracy</p> <p style="padding-left: 40px;">A fir, 18 ins. diam., bears S. 12° E., 20½ lks. dist., with healed double blaze.</p> <p style="padding-left: 40px;">A fir, 22 ins. diam., bears S. 52° W., 12 lks. dist., with healed double blaze.</p>

**Dependent Resurvey of a Portion of the Subdivisional Lines,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon**

CHAINS	
	<p>From this point, the Bureau of Land Management Geodetic Control Station No. 41070, at latitude 43° 44' 04.793" N., longitude 123° 20' 38.990" W. (NAD 1927), determined by the NAVSTAR Global Positioning System, bears N. 67° 16' 42" W., 76.403 chs. dist., monumented with an aluminum tablet, firmly set in concrete flush with the ground, with top mkd. EC41070 GPS 1990.</p> <hr/> <p style="text-align: center;"><b>Subdivision of Section 3, T. 21 S., R. 5 W., Willamette Meridian, Oregon</b></p> <hr/> <p>From the 1/4 sec. cor. of secs. 3 and 10.</p> <p>N. 0° 43' 00" W., on the N. and S. center line of sec. 3.</p> <p>Descend over NW. slope, through heavy timber and dense undergrowth.</p>
2.15	Ravine, drains S. 65° W.; asc. over broken SW. slope.
3.65	Graveled road, 20 lks. wide, bears N. 55° W. and S. 55° E.
5.40	Graveled road, 20 lks. wide, bears N. 30° E. and S. 30° W.
20.015	<p>Point for the center S 1/16 sec. cor. of sec. 3.</p> <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;">C S 1/16 * S 3 C 1990</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 20 ins. diam., bears S. 74° E., 29 lks. dist., mkd. CS 1/16 S3 BT.</p> <p style="padding-left: 40px;">A fir, 15 ins. diam., bears , N. 77½° W., 40 lks. dist., mkd. CS 1/16 S3 BT.</p> <p>Deposit white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>Ascend over broken SW. slope.</p>
40.030	<p>Point for the center 1/4 sec. cor. of sec. 3, at intersection with the E. and W. center line.</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;">T21S R5W C 1/4 S 3 1990</p> <p>from which</p>

Subdivision of Section 3,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon

CHAINS	
	<p>A fir, 11 ins. diam., bears N. 55½° E., 132½ lks. dist., mkd. C 1/4 S3 BT.</p> <p>A fir, 8 ins. diam., bears S. 80° E., 85 lks. dist., mkd. C 1/4 S3 BT.</p> <p>Deposit white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>Ascend over broken SW. slope.</p>
58.00	Graveled road, 20 lks. wide, bears N. 70° E. and S. 70° W.
60.50	Ridge, bears E. and W.; desc. over N. slope.
70.65	Paved road, 25 lks. wide, bears N. 30° E. and S. 30° W.
80.660	The 1/4 sec. cor. of secs. 3 and 34, on the N. bdy. of the Tp., monumented with an iron post, 1¼ ins. diam., firmly set, projecting 13 ins. above ground, with brass cap mkd.
	<p>COUNTY SURVEYORS OFFICE T20S S 34 R 1/4 ----- 5 S 3 W BLM 1967 T21S 1965</p>
	<p>from which the remains of a bearing trees mkd. by Vernon "Ray" Tracy, Deputy County Surveyor, in 1965</p> <p>A fir snag, 20 ins. diam., bears N. 32° W., 53½ lks. dist., with fragmentary scribe marks visible on partially healed double blaze. (Record, N. 33° W., 54 lks.)</p> <p>and the remains of a bearing tree mkd. by Brooks and Kent</p> <p>A hemlock snag, 12 ins. diam., bears S. 41° W., 98 lks., dist., with fragmentary scribe marks visible on partially healed blaze.</p> <p>and a bearing tree of which I have no record</p> <p>A fir, 17 ins. diam., bears S. 41½° W., 97 lks. dist., with scribe marks 1/4 S3 visible on opened blaze.</p> <p>and a new bearing tree</p> <p>A fir, 14 ins. diam., bears N. 15° W., 55 lks. dist., mkd. 1/4 S34 BT.</p> <p>From this point, the Bureau of Land Management, Geodetic Control Station No. EC 41071, at latitude 43° 46' 43.197" N., longitude 123° 16' 23.402" W. (NAD 1927), determined by the NAVSTAR Global Positioning System, bears S. 62° 39' 26" E., 15.802 chs. dist.,</p>

Subdivision of Section 3,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon

CHAINS	
	monumented with an aluminum rod, 3/4 in. diam., firmly set in concrete, projecting 3 ins. above ground, with aluminum cap mkd. EC41071 GPS 1990.
	From the 1/4 sec. cor. of secs. 2 and 3.
	N. 89° 20' 30" W., on the E. and W. center line of sec. 3.
	Descend over SW. slope, through young timber and heavy undergrowth.
1.00	Creek, 3 lks. wide, course S. 55° E.; asc. over broken NE. slope.
8.00	Graveled road, 20 lks. wide, bears N. 45° W. and S. 40° E.
10.45	Graveled road, 20 lks. wide, bears N. 65° E. and S. 75° W.
13.05	Graveled road, 20 lks. wide, bears N. 60° W. and S. 60° E.
14.75	Enter outplanting site, woven wire fence extends S. 60° E and N. 60° W.
20.140	Point for the center E 1/16 sec. cor. of sec. 3.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	E 1/16 C ----- C S 3 1990
	from which
	A fir, 11 ins. diam., bears S. 31° W., 210 lks. dist., mkd. CE 1/16 S3 BT.
	A fir, 8 ins. diam., bears N. 41° W., 347 lks. dist, mkd. CE 1/16 S3 BT.
	Ascend over broken NE. slope.
21.65	Leave outplanting site, woven wire fence extends S. 20° E. and N. 20° W.
20.90	Ridge, bears N. 15° W. and S. 15° E.; desc. over SW. slope.
28.35	Ravine, drains S. 25° E.; asc. over NE. slope.
31.95	Graveled road, 20 lks. wide, bears N. 30° W. and S. 20° E.; enter clearcut.
40.280	The center 1/4 sec. cor. of sec. 3.
	Ascend over NE. slope.
45.60	Graveled road, 20 lks. wide, bears N. 20° E. and S. 20° W., on top of ridge, bears same, leave clearcut; desc. over NW. slope, through heavy timber and dense undergrowth.

Subdivision of Section 3,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon

CHAINS	
52.80	Ravine, drains S. 50° W.; asc. over SE. slope.
54.10	Spur, slopes S. 40° W.; desc. over SW. slope.
54.75	Ravine, drains S. 10° W.; asc. over broken NW. slope.
58.50	Spur, slopes S. 20° W.; desc. over broken SW. slope.
72.70	Ravine, drains S. 30° W.; asc. over E. slope.
74.25	Dirt road, 20 lks. wide, bears N. and S.
75.05	Ridge, bears N. 10° E. and S. 10° W.; desc. over broken NW. slope.
80.655	The 1/4 sec. cor. of secs. 3 and 4, perpetuated by Vernon "Ray" Tracy, Deputy County Surveyor, in 1965, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 117, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.
	COUNTY SURVEYORS OFFICE T21S S * S R 1/4 4 * 3 5 1965 W
	from which the remains of the original bearing trees
	A sawed fir stump, 24 ins. diam., bears S. 75° E., 33 lks. dist., with a down fir alongside, 20 ins. diam., with healed blaze.
	A rotted fir stump, size indeterminate, bears N. 47° W., 22 lks. dist., no marks visible.
	and the remains of bearing trees mkd. by Tracy
	A fir, 22 ins. diam., bears S. 23¼° E., 21½ lks. dist., with healed blaze.
	A sawed fir stump, 41 ins. diam., bears N. 66° W., 56½ lks., dist., with healed blaze.
	and a new bearing tree
	A fir, 5 ins. diam., bears N. 76¼° W., 14½ lks. dist., mkd. 1/4 S4 BT.
	<hr/>
	From the E 1/16 sec. cor. of secs. 3 and 10.
	N. 0° 58' 30" W., on the N. and S. center line of the SE 1/4 of sec. 3.
	Ascend over SE. slope, through heavy timber and dense undergrowth.
4.15	Ridge, bears N. 60° E. and S. 60° W.; desc. over broken NW. slope.
16.20	Creek, 5 lks. wide, course N. 55° E.; continue over level ground.

**Subdivision of Section 3,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon**

CHAINS	
17.35	Creek, 5 lks. wide, course S. 45° E.; asc. over SW. slope.
19.990	Point for the SE 1/16 sec. cor. of sec. 3, at intersection with the E. and W. center line 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.  SE 1/16 S3 1990  from which  A fir, 8 ins. diam., bears S. 22° W., 36½ lks. dist., mkd. SE 1/16 S3 BT.  A fir, 7 ins. diam., bears N. 24½° W., 32½ lks. dist., mkd. SE 1/16 S3 BT.  Deposit white "DEEP-1" magnetic marker at base of stainless steel post.  Ascend over SW. slope.
39.980	The center E 1/16 sec. cor. of sec. 3. <hr/> From the S 1/16 sec. cor. of secs. 2 and 3.  N. 89° 24' 30" W., on the E. and W. center line of the SE 1/4 of sec. 3.  Descend along N. slope, through heavy timber and dense undergrowth.
5.65	Creek, 3 lks. wide, course N. 70° E.; asc. over broken SE. slope.
17.55	Spur, slopes S. 10° E.; desc. over gradual SW. slope.
20.235	The SE 1/16 sec. cor. of sec. 3.  Descend over gradual SW. slope.
22.30	Creek, 3 lks. wide, course S. 30° E.; asc. over SE. slope.
28.50	Graveled road, 20 lks. wide, bears N. 20° W. and S. 20° E.
33.20	Ridge, bears N. 30° W. and S. 30° E.; desc. along broken S. slope.
40.465	The center S 1/16 sec. cor. of sec. 3. <hr/> <p style="text-align: center;"><b>Subdivision of Section 19, T. 21 S., R. 5 W., Willamette Meridian, Oregon</b></p> <hr/> From the 1/4 sec. cor. of secs. 19 and 30.  N. 0° 21' 30" W., on the N. and S. center line of sec. 19.

Subdivision of Section 19,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon

CHAINS	
	Ascend over SW. slope, through heavy timber and dense undergrowth.
9.30	Ridge, bears N. 45° W. and S. 45° E.; desc. over broken NE. slope.
12.25	Dirt road, 20 lks. wide, bears N. 25° W. and S. 25° E.
13.00	County road No. 37, paved, 30 lks. wide, bears N. 70° W. and S. 75° E.
19.795	Point for the center S 1/16 sec. cor. of sec. 19.  Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	C S 1/16 * S 19 C 1990
	from which
	A fir, 13 ins. diam., bears N. 41½° E., 90 lks. dist., mkd. CS 1/16 S19 BT.
	A fir, 12 ins. diam., bears N. 26° W., 51½ lks. dist., mkd. X BT.
	Deposit white "DEEP-1" magnetic marker at base of stainless steel post.
	Descend over broken NE. slope.
34.35	Creek, 3 lks. wide, course S. 65° E.; asc. over broken SW. slope.
39.590	Point for the center 1/4 sec. cor. of sec. 19, at intersection with the E. and W. center line.  Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 26 ins. in the ground, with brass cap mkd.
	T21S R5W C1/4 S19 1990
	from which
	A fir, 21 ins. diam., bears S. 42° W., 69 lks. dist., mkd. C 1/4 S19 BT.
	A fir, 5 ins. diam., bears N. 25° W., 65 lks. dist., mkd. X BT.
	Deposit white "DEEP-1" magnetic marker at base of stainless steel post.
	Ascend over broken SW. slope.
46.70	Ravine, drains S. 5° W.; asc. over SE. slope.
48.70	Ridge, bears N. 70° E. and S. 70° W.; desc. over NE. slope.

**Subdivision of Section 19,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon**

CHAINS	
79.045	<p>The 1/4 sec. cor. of secs. 18 and 19, perpetuated by Vernon "Ray" Tracy, Deputy County Surveyor, in 1970, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 139, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 9 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T21S S 18 1/4 ----- S 19 R5W 1970</p> <p>from which the remains of an original bearing tree</p> <p style="padding-left: 40px;">A sawed rotted fir stump, 30 ins. diam., bears N. 32° E., 36 lks. dist., no marks visible on opened blaze.</p> <p>and bearing trees mkd. by Tracy</p> <p style="padding-left: 40px;">A cedar, 29 ins. diam., bears S. 64½° W., 80½ lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A cedar, 19 ins. diam., bears N. 26° W., 41 lks. dist., with healed blaze.</p> <hr/> <p>From the 1/4 sec. cor. of secs. 19 and 20.</p> <p>S. 89° 43' 30" W., on the E. and W. center line of sec. 19.</p> <p>Descend over SW. slope, through heavy timber and dense undergrowth.</p> <p>1.25 Creek, 6 lks. wide, course S. 40° E.; asc. over broken SE. slope.</p> <p>22.60 Ridge, bears N. 20° W. and S. 20° E.; asc. over broken SW. slope.</p> <p>35.50 Spur, slopes S.; desc. over broken SW. slope.</p> <p>39.335 The center 1/4 sec. cor. of sec. 19.</p> <p>Descend over broken SW. slope.</p> <p>40.25 Creek, 5 lks. wide, course S. 25° W.; asc. over NW. slope.</p> <p>43.30 Spur, slopes S.; desc. over SW. slope.</p> <p>46.10 Creek, 6 lks. wide, course S. 20° W.; asc. over SE. slope.</p> <p>47.55 Spur, slopes S. 5° E.; desc. over SW. slope.</p> <p>49.05 Creek, 10 lks. wide, course S. 40° E.; asc. over broken SE. slope.</p> <p>59.60 County road No. 37, paved, 30 lks. wide, bears N. 30° W. and S. 30° E.</p> <p>62.85 Graveled road, 20 lks. wide, bears N. 15° E. and S. 15° W.</p>

Subdivision of Section 19,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon

CHAINS	
63.30	Ridge, bears N. and S.; desc. over W. slope.
80.640	<p>The 1/4 sec. cor. of secs. 19 and 24, on the W. bdy. of the Tp., perpetuated by Burton W. Holt, Registered Land Surveyor No. 418, in 1960, recorded in Douglas County Surveyor's Office corner renewal file T. 21 S., R. 5 W., No. 60, monumented with an iron pipe, 1/2 in. diam., firmly set, projecting 2 ins. above ground, and a stone, 12 x 8 x 8 ins., alongside, with the marks 1/4 S visible on the top, from which the remains of the original bearing trees:</p> <p style="padding-left: 40px;">A fir stump, 30 ins. diam., bears S. 49° E., 16 lks. dist., with scribe marks 1/4 S visible on opened blaze. (Record, S. 43° E.)</p> <p style="padding-left: 40px;">A root hole, bears N. 79° W., 16 lks. dist.</p> <p>and bearing trees mkd. by Holt</p> <p style="padding-left: 40px;">A red cedar, 19 ins. diam., bears S. 7° E., 51 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A fir, 25 ins. diam., bears S. 80° W., 32 lks. dist., with healed double blaze and scribe marks 1/4 S24 BT visible on a bark blaze.</p> <p>and a bearing tree of which I have no record</p> <p style="padding-left: 40px;">A fir, 45 ins. diam., bears N. 4° W., 44 lks. dist., with scribe marks 1/4 S visible on a bark 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 pipe, with brass cap mkd.</p> <p style="text-align: center;">T21S R6W R5W 1/4 S 24 * S 19 1990</p> <p>Bury the marked stone alongside the stainless steel post.</p> <hr/> <p>From the S 1/16 sec. cor. of secs. 19 and 20.</p> <p>S. 89° 56' 00" W., on the E. and W. center line of the SE 1/4 of sec. 19.</p> <p>Ascend over gradual NE. slope, through heavy timber and dense undergrowth.</p>
0.65	Spur, slopes N.; desc. over NW. slope.
2.50	Creek, 3 lks. wide, course N. 25° E.; asc. over SE. slope.
3.80	Spur, slopes N. 20° E.; desc. over NW. slope.
6.00	Creek, 3 lks. wide, course N. 50° E.; asc. over broken NE. slope.

Subdivision of Section 19,  
T. 21 S., R. 5 W., Willamette Meridian, Oregon

CHAINS	
16.75	Spur, slopes N. 20° E.; desc. over NW. slope.
19.15	Creek, 2 lks. wide, course N. 35° E.; asc. over broken NE. slope.
39.410	The center S 1/16 sec. cor. of sec. 19.
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<b>GENERAL DESCRIPTION</b>	
<p>The lands included in the foregoing resurvey are located in hilly country approximately four and one-half miles northerly of Drain, Oregon. The elevation ranges from approximately 1,450 feet above sea level near the center of section 3 and the westerly portion of section 19, to about 560 feet above sea level near the south one-sixteenth section corner of sections 19 and 20.</p>	
<p>The area is drained by a tributary of Ellenburg Creek in the southeast portion of section 19, and Sand Creek, Little Sand Creek, and tributaries of Rock Creek in section 3, with numerous other small and seasonal drainages throughout. The soil consists of a rocky clay in the upper elevations and a clay loam in the creek bottoms. The timber consists of fir, cedar, hemlock, yew, chinquapin, pine, ash, alder, oak, maple, dogwood, hazel, and madrone. 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. 38, and County Roads Nos. 37 and 389, with other paved, 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.</p>	
<p>The average of a number of readings over the area gives a value of 19 3/4° East for the mean magnetic declination, with a range of 1° due to local attraction.</p>	
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