

CHAINS

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISIONAL LINES,

TOWNSHIP 32 SOUTH, RANGE 5 WEST,

OF THE WILLAMETTE MERIDIAN,

IN THE STATE OF OREGON.

EXECUTED BY

Francis J. Simon, Cadastral Surveyor

Under Special Instructions dated April 26, 1994, approved April 26, 1994,
which provided for the surveys included under Group No. 1733,
and Assignment Instructions dated May 23, 1994.

Survey commenced May 26, 1994***Survey completed November 29, 1994***

T. 32 S., R. 5 W., Willamette Meridian, Oregon

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The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, township 32 south, range 5 west, Willamette Meridian, Oregon.

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

A portion of the subdivisional lines was surveyed by George W. Hyde and Wells Lake, U.S. Deputy Surveyors, in 1855.

A portion of the subdivisional lines was resurveyed by Hans W. Thielsen, Cadastral Engineer, in 1955.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated April 26, 1994, for Group No. 1733, 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.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. 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 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 witness point on the east side of Interstate Highway No. 5, determined by a traverse to control station "EDGE," established by the Oregon State Department of Transportation in 1962, is as follows:

Latitude 42° 48' 42.65" N. Longitude 123° 15' 19.72" W.

The mean magnetic declination is 18½° East.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 32 S., R. 5 W., Willamette Meridian, Oregon**

(Restoring the 1855 survey by George W. Hyde and Wells Lake and the 1955 dependent resurvey by Hans W. Thielsen)

From the E 1/16 sec. cor. of secs. 2 and 11, monumented with an iron post, 1 in. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd.

Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 32 S., R. 5 W., Willamette Meridian, Oregon

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S 2
E 1/16 -----
S 11
1955

from which trees mkd. by Thielsen

A fir, 16 ins. diam., bears S. 25° E., 46 lks. dist., with
healed blaze.

A fir, 24 ins. diam., bears N. 40° W., 35 lks. dist., with
healed blaze.

and a tree not of record

A madrone, 14 ins. diam., bears S. 31½° E., 81 lks. dist.,
with illegible scribe marks visible on partially healed
blaze.

From this point, a point established by person(s) unknown, bears
S. 65° E., 0.021 chs. dist., monumented with an iron pipe, 1 in.
diam., firmly set, projecting 8 ins. above ground.

N. 89° 34' 00" W., bet. secs. 2 and 11.

Ascend SE. slope through moderate timber and light undergrowth.

14.280

Point for a witness point on line bet. secs. 2 and 11.

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins.
in the ground, with brass cap mkd.

WP
S 2
S 11
1994

from which

A cedar, 6 ins. diam., bears N. 46½° E., 32½ lks. dist., mkd.
X BT.

A cedar, 6 ins. diam., bears S. 16¼° E., 13 lks. dist., mkd.
X BT.

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

Witness point is located in a woven wire fence with three strands
of barbed wire on top, bears N. 40° W. and S. 40° E.

From this point, control station "EDGE," at latitude
42° 49' 03.330" N. and longitude 123° 15' 36.396" W. (NAD 1927),
established by the Oregon State Department of Transportation in
1962, bears N. 30° 41' 53" W., 36.903 chs. dist. (mean bearing and
sea level distance); monumented with an iron post, 2½ ins. diam.,
firmly set, projecting 8 ins. above the ground, set in concrete,
with brass cap mkd. OREGON STATE HIGHWAY DEPT 1962 ELEV STATION
EDGE____ USC&GS DO NOT DISTURB and a triangle.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 32 S., R. 5 W., Willamette Meridian, Oregon**

CHAINS	
18.210	Centerline of northbound lanes of Interstate Highway No. 5, 58 lks. wide, bears N. 40° W. and S. 40° E.
20.580	Point for the 1/4 sec. cor. of secs. 2 and 11, determined by the irregular boundary method. This point falls in the southbound lanes of Interstate Highway No. 5, and is unsuitable for monumentation. There is no evidence of the 1955 remonumentation of the original corner.

	N. 89° 39' 00" W., beginning new measurement.
	Cross highway, then ascend NE. slope through heavy timber and light undergrowth.
0.210	Centerline of southbound lanes of Interstate Highway No. 5, 63 lks. wide, bears N. 40° W. and S. 40° E.
4.550	Point for a witness point on line bet. secs. 2 and 11.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.
	WP <u>S 2</u> S 11 1994
	from which
	A fir, 6 ins. diam., bears S. 59° E., 50½ lks. dist., mkd. X BT.
	A fir, 6 ins. diam., bears N. 36° W., 39 lks. dist., mkd. X BT.
	Witness point is located in a woven wire fence with three strands of barbed wire on top, bears N. 45° W. and S. 45° E.
20.450	Point for the W 1/16 sec. cor. of secs. 2 and 11.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	S 2 W 1/16 ----- S 11 1994
	from which
	A white fir, 8 ins. diam., bears S. 72 3/4° W., 43 lks. dist., mkd. W 1/16 S11 BT.
	A white fir, 26 ins. diam., bears N. 33¼° W., 36½ lks. dist., mkd. W 1/16 S2 BT.
	Deposit a white "DEEP-1" magnetic marker at the base of the stainless steel post.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 32 S., R. 5 W., Willamette Meridian, Oregon**

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	Descend steep NW. slope through heavy timber and light undergrowth.
22.40	Ravine, drains N.; asc. NE. slope.
40.900	The cor. of secs. 2, 3, 10, and 11, monumented with an iron post, 2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd.
	T32S R5W <u>S 3 * S 2</u> S 10 * S 11 1955
	from which the remains of trees mkd. by the County Surveyor's Office in 1952
	A fir, 26 ins. diam., bears N. 69¼° E., 95 lks. dist., with healed blaze. (Record, N. 68¼° E.)
	A fir, 39 ins. diam., bears S. 86 3/4° E., 50½ lks. dist., with healed blaze. (Record, 48 lks.)
	A fir, 29 ins. diam., bears N. 31½° W., 54 lks. dist., with healed blaze.
	and the remains of trees mkd. by Thielsen
	A red fir, 25 ins. diam., bears N. 56° E., 120½ lks. dist., with healed blaze.
	A red fir, 30 ins. diam., bears S. 82 3/4° E., 96 lks. dist., with healed blaze. (Record, S. 29° E.)
	and a new tree
	A hemlock, 7 ins. diam., bears S. 5° W., 14 lks. dist., mkd. T32S R5W S10 BT.
	The iron pipe set by the County Surveyor's Office, 1 in. diam., firmly set, projecting 10 ins. above the ground, is alongside the iron post.
	<hr/> GENERAL DESCRIPTION <hr/>
	The lands included in this survey are located approximately one mile north of Azalea, Oregon. The area is drained by Clear Branch which drains southeasterly into Cow Creek.
	Elevations range from approximately 1800 feet above sea level near the northbound lanes of Interstate Highway No. 5, to approximately 2340 feet above sea level near the corner of sections 2, 3, 10, and 11.
	The soil in the area is rocky clay. Timber consists of fir, pine, oak, madrone, chinquapin, cedar, maple, alder, and yew. The undergrowth consists of manzanita, ceanothus, poison oak, vine maple, salal, Oregon grape, fern, and young timber.

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Access into the area is by Interstate Highway No. 5. There was no mining activity noted. There are a few residences in the south one-half of section 11, no residences were noted in section 2.

The mean magnetic declination was not observed. The magnetic declination is $18\frac{1}{2}^{\circ}$ East, as taken from the United States Geological Survey $7\frac{1}{2}$ minute quadrangle map "QUINES CREEK, OREGON," Provisional Edition, 1986.
