

CHAINS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES
OF THE
DEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY
AND
THE SUBDIVISION OF SECTION 1,
TOWNSHIP 30 SOUTH, RANGE 7 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Dale T. Bedell, Cadastral Surveyor

Under Special Instructions dated August 12, 1992,
approved August 13, 1992,
which provided for the surveys included under Group No. 1660,
and Assignment Instructions dated April 8, 1993.

Survey commenced April 13, 1993

Survey completed June 9, 1993

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The following field notes are those of the dependent resurvey of a portion of the north boundary and the subdivision of section 1, township 30 south, range 7 west, Willamette Meridian, Oregon.

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

In 1854, Nathaniel Ford, U.S. Deputy Surveyor, surveyed the north boundary.

In 1855, Addison R. Flint, U.S. Deputy Surveyor, surveyed the east boundary.

In 1872, William H. Byars, U.S. Deputy Surveyor, surveyed a portion of the north boundary and a portion of the subdivisional lines. Byars does not report finding Ford's corners on the north boundary of sections 1 and 2.

In 1910, Roy T. Campbell, U.S. Deputy Surveyor, retraced the north boundary of section 1, accepting Byars' corners.

In 1924, Fred Mensch, U.S. Cadastral Engineer, resurveyed the north boundary, accepting Byar's corners for sections 1 and 2.

Between 1980 and 1982, James E. Jelley, Cadastral Surveyor, resurveyed a portion of the east boundary and a portion of the subdivisional lines.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated August 12, 1992, for Group No. 1660, 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. Identified corners were remonumented in their original positions. The retracement data were thoroughly verified and only the true line field notes are given herein. All lines not forming a closure were measured twice.

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 1 and 36 on the north boundary of the township, as determined by a direct tie to triangulation station "BUCK MOUNTAIN," established by the United States Coast and Geodetic Survey in 1942, located in section 9, is as follows:

Latitude: 42° 59' 58.38" N. Longitude: 123° 28' 27.67" W.

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The mean magnetic declination is 18 1/2° East.

**Dependent Resurvey of a Portion of the North Boundary,
T. 30 S., R. 7 W., Willamette Meridian, Oregon**

(Restoring the 1872 survey by William H. Byars,
the 1910 retracement by Roy T. Campbell,
and the 1924 resurvey by Fred Mensch)

Beginning at the 1/4 sec. cor. of secs. 1 and 36, on the N. bdy. of the Tp., perpetuated and recorded by John H. Markham Jr., Registered Engineer No. 2880, in 1956 (Douglas County Corner Renewal Record, T. 30 S., R. 7 W., No. 24), monumented with an iron rod, 18 ins. long, 2 ins. diam., firmly set 10 ins. in the ground, from which the remains of the original bearing trees:

A rotted pine stump, 66 ins. diam., bears N. 40° E., 217 lks. dist., with axe marks on a rotted blaze. (Record, 214 lks.)

A roothole, bears S. 18° W., 403 lks. dist., with a down pine alongside, 30 ins. diam., with scribe marks 1/4 S visible on an opened blaze. (Record, S. 15° W.)

and bearing trees mkd. by Markham

A cedar, 28 ins. diam., bears S. 18° E., 60 lks. dist., with a healed blaze.

A white oak, 19 ins. diam., bears N. 22° W., 57 1/2 lks. dist., with a healed blaze.

At the corner point

Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 12 ins. in the ground, to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T29S R7W
S 36
1/4 -----
S 1
T30S R7W
1993

Deposit a white "DEEP-1" magnetic marker at base and the iron rod alongside the stainless steel post.

From this point, the United States Coast and Geodetic Survey triangulation station "BUCK MOUNTAIN," bears S. 55° 35' 00" W., 243.130 chs. dist. (mean bearing and sea level distance), monumented with a brass disk, 3 ins. diam., cemented into solid rock, mkd. BUCK MTN 1942.

N. 88° 59' 30" W., bet. secs. 1 and 36.

**Dependent Resurvey of a Portion of the North Boundary,
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	Descend over a broken SW. slope, through heavy timber and dense undergrowth.
8.70	Creek, 4 lks. wide, course S. 40° W.; asc. over broken SE. slope.
16.10	Spur, slopes S.; desc. over a broken SW. slope.
27.30	Ravine, drains S. 15° W.; asc. over broken SE. slope.
35.10	Spur, slopes S.; desc. over a SW. slope.
40.110	The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 3 ins. above the ground, with brass cap mkd.
	COUNTY SURVEYORS OFFICE T29S R S35 * S36 7 ----- W S 2 * S 1 T30S 1978
	from which the remaining original bearing tree
	A madrone, 24 ins. diam., bears S. 68° E., 42 lks. dist., with scribe marks 30 7 visible on an open blaze.
	and the remains of the bearing trees mkd. by John H. Markham Jr., Registered Engineer No. 2880, in 1956 (Douglas County Corner Renewal Record, T. 30 S., R. 7 W., No. 23)
	A madrone, 21 ins. diam., bears N. 37° E., 52 1/2 lks. dist., with fragmentary scribe marks visible on an open blaze.
	A madrone, 38 ins. diam., bears S. 21° E., 68 lks. dist., with healed blaze.
	A madrone snag, 44 ins. diam., bears S. 81 1/2° W., 54 1/2 lks. dist., with fragmentary scribe marks visible on an open blaze.
	A madrone, 32 ins. diam., bears N. 21° W., 53 lks. dist., with fragmentary scribe marks visible on an upper blaze and a healed lower blaze.
	and bearing trees mkd. by Jelley
	A fir, 14 ins. diam., bears S. 23° W., 29 1/2 lks. dist., with healed blaze.
	A fir, 11 ins. diam., bears N. 6 1/2° W., 42 lks. dist., with healed blaze.
	From this point, an iron post, 1 in. diam., projecting 9 ins. above the ground, bears S. 58 1/2° W., 0.03 chs. dist. I find no record of this monument.

Subdivision of Section 1,
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CHAINS	
	<p>From the 1/4 sec. cor. of secs. 1 and 12, monumented with an iron post, 1 1/2 ins. diam., firmly set, projecting 12 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">COUNTY SURVEYORS OFFICE T30S S 1 1/4 ----- S 12 R 7 W 1964</p> <p>from which the original bearing trees</p> <p style="padding-left: 40px;">A fir, 66 ins. diam., bears N. 50° E., 24 lks. dist., with fragmentary scribe marks visible on the bark.</p> <p style="padding-left: 40px;">A black oak, 30 ins. diam., bears S. 40° W., 28 lks. dist., with healed blaze.</p> <p>and the remains of bearing trees mkd. by Vernon Ray Tracy, Deputy County Surveyor, in 1964 (Douglas County Corner Renewal Record, T. 30 S., R. 7 W., No. 75)</p> <p style="padding-left: 40px;">A fir, 14 ins. diam., bears N. 20° E., 63 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A sawed fir stump, 18 ins. diam., bears S. 2 1/2° E., 48 lks. dist., with healed blaze.</p> <p>N. 0° 32' 30" E., on the N. and S. centerline of sec. 1.</p> <p>Descend over a broken N. slope, through heavy timber and dense undergrowth.</p>
7.50	Creek, 2 lks. wide, course N. 55° W.; asc. over broken SW. slope.
14.20	Top of ascent, slopes S.; desc. over a broken NW. slope.
18.910	<p>Point for the center S 1/16 sec. cor. of sec. 1.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 18 ins. in the ground, and in a mound of stone, 2 1/2 ft. base, to top, with brass cap mkd.</p> <p style="text-align: center;">C S 1/16 * S 1 C 1993</p> <p>from which</p> <p style="padding-left: 40px;">A madrone, 23 ins. diam., bears S. 66° E., 29 lks. dist., mkd. CS 1/16 S1 BT.</p> <p style="padding-left: 40px;">A fir, 20 ins. diam., bears S. 25° W., 42 lks. dist., mkd. CS 1/16 S1 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p>

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CHAINS	
	Continue to descend over NW. slope.
23.90	Thompson Creek, 20 lks. wide, course S. 40° W.; asc. over broken S. slope.
37.820	The center 1/4 sec. cor. of sec. 1, established and recorded by Bruce R. Rogers, Registered Land Surveyor No. 660, in 1974 (map file 49-53, Douglas County Survey Records), and is accepted as the corner, monumented with an iron pipe, 1 in. diam., firmly set, projecting 9 ins. above the ground.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, directly over the iron pipe, with brass cap mkd.
	T30S R7W C 1/4 S 1 1993
	from which
	A cedar, 9 ins. diam., bears S. 73 3/4° E., 195 lks. dist., mkd. C 1/4 S1 BT.
	The southerly trunk of a double trunked cedar, 17 ins. diam., bears N. 4 1/2° W., 119 1/2 lks. dist., mkd. C 1/4 S1 BT.
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.

	N. 0° 31' 00" E., beginning new measurement.
	Ascend over a broken S. slope.
15.40	Dirt road, 30 lks. wide, bears NE. and SW.
16.14	From this point, a solid iron rod, 1/2 in. diam., projecting 10 ins. above the ground, bears East, 0.30 chs. dist., I find no record of this monument.
19.590	The center N 1/16 sec. cor. of sec. 1, established and recorded by Bruce R. Rogers, Registered Land Surveyor No. 660, in 1974 (map file 49-53, Douglas County Survey Records), and is accepted as the corner, monumented with an iron pipe, 1 in. diam., firmly set, projecting 1 in. above the ground.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	C N 1/16 * S 1 C 1993
	from which

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	<p>A fir, 8 ins. diam., bears S. 39° E., 199 lks. dist., mkd. CN 1/16 S1 BT.</p> <p>A cedar, 12 ins. diam., bears N. 38° W., 123 lks. dist., mkd. CN 1/6 S1 BT.</p> <p>From this point, the southerly end of a solid iron rod, 30 ins. long, 1/2 in. diam., lying loosely on the ground, bears S. 70° W., 0.075 chs. dist. I find no record of this monument.</p> <p>Deposit the iron pipe and the iron rod alongside and white "DEEP-1" magnetic marker at the base of the stainless steel post.</p> <hr style="width: 20%; margin: 10px auto;"/> <p>N. 0° 34' 30" E., beginning new measurement.</p> <p>Ascend over a broken S. slope.</p>
14.20	Spur, slopes S. 60° W.; desc. over a gentle NW. slope.
17.50	Head of ravine, drains W.; asc. over a gentle SW. slope.
16.275	The 1/4 sec. cor. of secs. 1 and 36, on the N. bdy. of the Tp.
	<hr/> <p>From the 1/4 sec. cor. of secs. 1 and 6, on the E. bdy. of the Tp., monumented with an iron rod, 5/8 in. diam., firmly set, projecting 12 ins. above the ground, with an aluminum cap mkd.</p> <p style="text-align: center;">1/4 S 1 S 6</p> <p>from which bearing trees mkd. by Howard W. Johnstone, Registered Land Surveyor No. 498, in 1977 (map file 65-27, Douglas County Survey Records)</p> <p>A fir, 10 ins. diam., bears N. 63° E., 28 lks. dist., with illegible scribe marks visible on partially healed blaze.</p> <p>A fir, 11 ins. diam., bears N. 14° W., 15 lks. dist., with illegible scribe marks visible on a partially healed blaze.</p> <p>N. 85° 57' 30" W., on the E. and W. centerline of sec. 1.</p> <p>Descend over a broken W. slope, through heavy timber and dense undergrowth.</p>
12.50	Thompson Creek, 15 lks. wide, course S. 60° W.; asc. over broken SE. slope.
40.175	The center 1/4 sec. cor. of sec. 1.
	<hr/> <p>N. 85° 54' 00" W., beginning new measurement.</p> <p>Ascend over a broken SE. slope, through scattering timber and undergrowth.</p>
7.70	Top of ascent, slopes S.; cross a broken S. slope.
16.50	Begin to descend over a broken, rolling W. slope.

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20.025	<p>Point for the center W 1/16 sec. cor. of sec. 1.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">W 1/16 C ----- C S 1 1993</p> <p>from which</p> <p style="padding-left: 40px;">An oak, 11 ins. diam., bears S. 64° E., 29 1/2 lks. dist., mkd. CW 1/16 S1 BT.</p> <p style="padding-left: 40px;">An oak, 8 ins. diam., bears N. 10° W., 49 1/2 lks. dist., mkd. X at breast height and BT at the base.</p> <p>Continue over broken W. slope.</p>
21.20	Dirt road, 20 lks. wide, bears N. 20° E. and S. 20° W.
39.90	Creek, 10 lks. wide, course S.; asc. over gentle E. slope.
40.050	<p>The 1/4 sec. cor. of secs. 1 and 2, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">T30S R7W 1/4 S 2 * S 1 1980</p> <p>from which bearing trees mkd. by Jelley</p> <p style="padding-left: 40px;">An alder, 14 ins. diam., bears N. 25° E., 39 lks. dist., with scribe marks 1/4 S1 BT visible on the bark.</p> <p style="padding-left: 40px;">A madrone, 18 ins. diam., bears S. 61° W., 320 lks. dist., with healed blaze. (Record, bark scribed.)</p> <hr/> <p>From the N 1/16 sec. cor. of secs. 1 and 6, on the E. bdy. of the Tp., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">N 1/16 S 1 * S 6 1980</p> <p>from which bearing trees mkd. by Jelley</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears N. 57 1/2° E., 39 1/2 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A fir, 8 ins. diam., bears S. 44° W., 10 1/2 lks. dist., with healed blaze. (Record, S. 52° W.)</p> <p>N. 85° 34' 00" W., on the E. and W. centerline of the NE 1/4 of sec. 1.</p>

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	Ascend over a broken SE. slope, through scattering timber and undergrowth,
3.30	Spur, slopes S. 15° W.; cross a broken S. slope.
12.50	Ravine, drains S. 22° E.; asc. over broken SE. slope.
22.70	Spur, slopes S.; desc. over a broken SW. slope.
26.20	Ravine, drains S. 20° E.; asc. over a broken SE. slope.
39.20	Dirt road, 20 lks. wide, bears N. and S.
40.410	The center N 1/16 sec. cor. of sec. 1.
	<p>From the W 1/16 sec. cor. of secs. 1 and 12, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;"> S 1 W 1/16 ----- S 12 1980 </p> <p>from which bearing trees mkd. by Jelley</p> <p style="padding-left: 40px;">A yew, 12 ins. diam., bears N. 23° E., 73 lks. dist., with scribe marks W 1/16 S1 BT visible on a partially healed blaze.</p> <p style="padding-left: 40px;">A cedar, 17 ins. diam., bears S. 86 1/2° E., 28 lks. dist., with healed blaze.</p> <p>N. 0° 26' 30" E., on the N. and S. centerline of the SW 1/4 of sec. 1.</p> <p>Descend over a broken N. slope, through heavy timber and dense undergrowth.</p>
15.90	Thompson Creek, 10 lks. wide, course S. 40° W.; asc. over broken S. slope.
19.600	<p>Point for the SW 1/16 sec. cor. of sec. 1, at intersection with the E. and W. centerline of the SW 1/4.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 28 ins. in the ground, flush with the surface, with brass cap mkd.</p> <p style="text-align: center;"> SW 1/16 S1 1993 </p> <p>from which</p> <p style="padding-left: 40px;">A cedar, 24 ins. diam., bears S. 66° E., 37 1/2 lks. dist., mkd. SW 1/16 S1 BT.</p> <p style="padding-left: 40px;">A cedar, 16 ins. diam., bears S. 66° W., 19 lks. dist., mkd. X BT at the base.</p>

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	<p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>Ascend over a rolling, broken S. slope, through scattering timber and undergrowth.</p>
22.80	Dirt road, 20 lks. wide, bears N. 60° W. and S. 60° E.
39.200	The center W 1/16 sec. cor. of sec. 1.
	<p>From the center S 1/16 sec. cor. of sec. 1.</p> <p>N. 87° 50' 30" W., on the E. and W. centerline of the SW 1/4 of sec. 1.</p> <p>Descend over a broken NW. slope, through heavy timber and dense undergrowth.</p>
6.70	Thompson Creek, 10 lks. wide, course S. 60° W.; asc. over broken SE. slope.
9.10	Dirt road, 15 lks. wide, bears N. 65° E. and N. 80° W.
14.10	Thompson Creek, 10 lks. wide, course S. 80° W.; asc. over a broken SE. slope.
19.955	The SW 1/16 sec. cor. of sec. 1.
	Continue over a broken SE. slope.
22.70	Spur, slopes S.; cross broken S. slope.
29.96	From this point, a solid iron rod, 5/8 in. diam., projecting 18 ins. above the ground, bears South, 0.190 chs. dist. I find no record of this monument.
31.90	Dirt road, 20 lks. wide, bears N. 30° W. and S. 30° E.
34.60	Low ridge, bears N. 30° E. and S. 30° W.; desc. over a W. slope.
39.910	The S 1/16 sec. cor. of secs. 1 and 2, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 6 ins. above the ground, with brass cap mkd.
	<p>S 1/16 S 2 * S 1 1980</p>
	<p>from which bearing trees mkd. by Jelley</p> <p style="padding-left: 40px;">An oak, 16 ins. diam., bears N. 64 1/2° E., 89 1/2 lks. dist., with healed blaze.</p> <p style="padding-left: 40px;">A cedar, 12 ins. diam., bears S. 21 1/2° W., 136 1/2 lks. dist., with healed blaze. (Record, 135 lks.)</p>

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	From the center N 1/16 sec. cor. of sec. 1.
	N. 84° 54' 30" W., on the E. and W. centerline of the NW 1/4 of sec. 1.
	Descend over a broken W. slope, through heavy timber and dense undergrowth.
4.80	Slope changes to NW.; continue to descend.
18.00	Abandoned dirt road, 15 lks. wide, bears N. and S.
24.20	Creek, 3 lks. wide, course S. 40° W.; asc. over broken SE. slope.
30.15	From this point, an iron rod, 5/8 in. diam., projecting 18 ins. above the ground, bears South, 0.060 chs. dist. I find no record of this monument.
35.70	Spur, slopes S. 30° W.; desc. over a broken W. slope.
40.170	The N 1/16 sec. cor. of secs. 1 and 2, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 8 ins. above the ground, with brass cap mkd.
	N 1/16 S 2 * S 1 1980
	from which bearing trees mkd. by Jelley
	A fir, 14 ins. diam., bears N. 35° E., 32 1/2 lks. dist., with healed blaze.
	A fir, 23 ins. diam., bears S. 74° W., 17 lks. dist., with healed blaze.
	<hr/> GENERAL DESCRIPTION <hr/>
	The lands included in the foregoing survey are located in Douglas County approximately 12 miles southwesterly of the town of Dillard, Oregon.
	The terrain is mountainous, the elevations range from 1,500 feet to 2,500 feet above sea level.
	The drainage is southwesterly by numerous small creeks flowing into Thompson Creek.
	The soil is rocky clay loam. The lands are forested with fir, cedar, hemlock, pine, yew, alder, cherry, maple, oak, madrone, willow, ash, and chinquapin; with undergrowth of ferns, poison oak, arrowwood, hazel, Oregon grape, salal, huckleberry, blackberry, thimbleberry, salmonberry, gooseberry, current, wild rose, rhododendron, manzanita, and young timber.
	Access is by farm access and logging roads branching from Oregon State Highway No. 99, near Dillard.

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No mineral deposits were noted along the lines surveyed. The principle industry is timber production.

The mean magnetic declination is $18\ 1/2^{\circ}$ East, with a range of 1° due to local attraction.
