

CHAINS

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

FIELD NOTES  
OF THE  
CORRECTIVE DEPENDENT RESURVEY OF A PORTION  
OF THE EAST AND NORTH BOUNDARIES,  
**TOWNSHIP 24 SOUTH, RANGE 7 WEST,**  
OF THE WILLAMETTE MERIDIAN,  
IN THE STATE OF OREGON.

EXECUTED BY

***Dale T. Bedell, Cadastral Surveyor***

Under Special Instructions dated February 21, 1992,  
and approved February 24, 1992,  
which provided for the surveys included under Group No. 1637,  
and Assignment Instructions dated March 25, 1992.

***Survey commenced May 4, 1992***

***Survey completed April 19, 1993***

## T. 24 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 east and north boundaries of township 24 south, range 7 west, Willamette Meridian, Oregon.

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

In 1853, Robert Elder and Henry S. Gile, U. S. Deputy Surveyors, surveyed the south boundary of T. 23 S., R. 6 W. and the west boundary of T. 24 S., R. 6 W.

In 1857, Dennis Hathorn, U. S. Deputy Surveyor, surveyed a portion of the boundaries and a portion of the subdivisional lines of T. 24 S., R. 7 W.

In 1881, William H. Byars, U. S. Deputy Surveyor, surveyed a portion of the south and east boundaries of T. 23 S., R. 7 W.

In 1957, Orville N. Eggen, Cadastral Surveyor, resurveyed the east boundary of section 1, T. 24 S., R. 7 W. and the south boundary of section 36, T. 23 S., R. 7 W. This resurvey was suspended March 6, 1964.

In 1958, Joseph S. Gawron, Cadastral Surveyor, resurveyed the north 1/2 of the line between sections 1 and 2 extending the line to intersect the north boundary.

In 1961-62, Floyd A. Brooks, Cadastral Surveyor, resurveyed the south boundary of section 35, T. 23 S., R. 7 W.

In 1964, Floyd A. Brooks, Cadastral Surveyor, correctively resurveyed the east boundary of section 1, T. 24 S., R. 7 W. and the south boundary of section 36, T. 23 S., R. 7 W. This resurvey was suspended February 6, 1992.

In 1992, the Douglas County Surveyor notified this office of a chaining error existing on the north boundary of section 1 as resurveyed by Floyd A. Brooks, Cadastral Surveyor, in 1964. This error was verified, necessitating this corrective action.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated February 21, 1992, for Group No. 1637, 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. 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. All lines not forming a closure were measured twice.

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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 corner of townships 23 and 24 south, ranges 6 and 7 west, as shown on the plat of township 23 south, range 6 west, executed concurrently under Group Nos. 1266, 1637, and 1688, is as follows:

Latitude: 43° 31' 10.18" N. Longitude: 123° 27' 52.89" W.

The mean magnetic declination is 19° East.

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**Corrective Dependent Resurvey of a Portion of the East Boundary,  
T. 24 S., R. 7 W., Willamette Meridian, Oregon**

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(Restoring the 1853 survey by Robert Elder and Henry S. Gile and correcting the 1964 corrective resurvey by Floyd A. Brooks)

Beginning at the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., monumented with an iron post, 2 ins. diam., firmly set, projecting 14 ins. above the ground, in a mound of stone, 3 ft. base, to top, with brass cap mkd.

T24S  
R7W      R6W  
S 1 \* S 6  
-----  
S 12 \* S 7  
1957

from which the remains of the original bearing trees

A fir, 57 ins. diam., bears S. 89 3/4° E., 64 lks. dist., no marks visible on open blaze.

A rotted fir stump, 40 ins. diam., bears S. 89° W., 62 lks. dist., no marks visible.

and a bearing tree mkd. by Eggen

A fir, 21 ins. diam., bears N. 71 1/2° E., 92 lks. dist., with healed blaze. (Record, N. 72° E., 94 lks.)

and new bearing trees

A fir, 14 ins. diam., bears S. 44 1/4° W., 75 lks. dist., mkd. T24S R7W S12 BT.

A maple, 26 ins. diam., bears N. 23 1/2° W., 68 lks. dist., mkd. T24S R7W S1 BT.

N. 1° 27' 30" E., bet. secs. 1 and 6.

**Corrective Dependent Resurvey of a Portion of the East Boundary,  
T. 24 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	Descend over broken NE. slope, through heavy timber and dense undergrowth.
0.25	Ravine, drains S. 80° E.; asc. over broken SE. slope.
21.20	Creek, 6 lks. wide, course S. 15° E.; asc. over broken SW. slope.
39.880	Point for the 1/4 sec. cor. of secs. 1 and 6, at proportionate distance, there is no remaining evidence of the original corner.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	<p align="center">T24S R7W R6W 1/4 S 1 * S 6 1993</p>
	from which bearing trees mkd. by Brooks
	A fir, 15 ins. diam., bears S. 58° E., 111 lks. dist., with healed blaze.
	A fir, 21 ins. diam., bears S. 30 3/4° W., 70 lks. dist., with healed blaze.
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.
	From this point, the 1/4 sec. cor. of secs. 1 and 6, erroneously reestablished by Brooks in 1964, bears S. 67° 04' 00" E., 0.530 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap marked and witnessed as described in the official record. Amend the brass cap to read T24S R7W R6W 1/4 S1 S6 1957 AMENDED 1993, and reset monument flush with the ground.
	Continue ascending broken SW. slope.
53.70	Spur, slopes S. 85° E.; desc. over broken NE. slope.
68.60	Ravine, drains S. 60° E.; asc. over broken SE. slope.
79.760	The cor. of Tps. 23 and 24 S., Rs. 6 and 7 W., at proportionate distance, described in the field notes of the corrective dependent resurvey of a portion of the S. bdy. of T. 23 S., R. 6 W., executed concurrently under Group Nos. 1266, 1688, and this same group.
	<p align="center"><b>Corrective Dependent Resurvey of a Portion of the North Boundary, T. 24 S., R. 7 W., Willamette Meridian, Oregon</b></p>
	<p align="center">(Restoring the 1881 survey by William H. Byars and correcting the 1964 corrective resurvey by Floyd A. Brooks)</p>

**Corrective Dependent Resurvey of a Portion of the North Boundary,  
T. 24 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	From the cor. of Tps. 23 and 24 S., Rs. 6 and 7 W.
	N. 89° 52' 30" W., bet. secs. 1 and 36.
	Ascend over broken SE. slope, through heavy timber and dense undergrowth.
14.40	Spur, slopes S.; desc. over broken SW. slope.
20.510	Point for the E 1/16 sec. cor. of sec. 1 only.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 22 ins. in the ground, with brass cap mkd.
	----- E 1/16 S 1 1993
	from which
	A fir, 6 ins. diam., bears S. 82° E., 74 lks. dist., mkd. E 1/16 S1 BT.
	A fir, 7 ins. diam., bears S. 21° W., 45 lks. dist., mkd. X at breast height and BT at the base.
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.
	From this point, a point established as the E 1/16 sec. cor. of sec. 1 only by Wilford N. Haines, Register Land Surveyor No. 239, in 1965 (map file 30-15, Douglas County Survey Records), bears S. 54° 25' 00" E., 0.890 chs. dist., monumented with a T shaped iron rod, 1 in. diam., firmly set, projecting 9 ins. above the ground, at the intersection of wire fences extending S. and W., from which a bearing tree mkd. by Haines:
	A cedar, 25 ins. diam., bears S. 87° E., 74 lks. dist., with healed blaze.
	The position of the Haines monument was based on the erroneous resurvey by Brooks in 1964, and is not accepted in this survey.
	Continue descending SW. slope.
23.30	Bottom of descent, slopes S.; asc. over E. slope.
24.80	Spur, slopes S. 5° W.; desc. over SW. slope.
37.780	Point for the 1/4 sec. cor. of sec. 36 only, on the S. bdy. of T. 23 S., R. 7 W., at proportionate distance, there is no remaining evidence of the original corner.
	Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.
	T23S R7W 1/4 S 36 ----- T24S R7W 1993

**Corrective Dependent Resurvey of a Portion of the North Boundary,  
T. 24 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS	
	<p>from which a bearing tree mkd. by Brooks</p> <p style="padding-left: 40px;">A fir, 19 ins. diam., bears N. 9° E., 78 lks. dist., with healed blaze.</p> <p>and a new bearing tree</p> <p style="padding-left: 40px;">A fir, 7 ins. diam., bears N. 34° W., 67 lks. dist., mkd. X at breast height and BT at the base.</p> <p>From this point, the 1/4 sec. cor. of sec. 36 only, erroneously reestablished by Brooks in 1964, bears S. 7° 38' 30" W., 0.465 chs. dist., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 2 ins. above the ground, with brass cap marked and witnessed as described in the official record, except the SW. bearing tree is a stump and no marks remain.</p> <p>Amend the brass cap to read T23S R7W 1/4 S36 T24S R7W 1957 AMENDED 1993, and reset flush with the ground surface.</p> <p>Continue descending SW. slope.</p>
41.020	<p>Point for the 1/4 sec. cor. of sec. 1 only.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">T23S R7W ----- 1/4 S 1 T24S R7W 1993</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 8 ins. diam., bears S. 77° E., 30 lks. dist., mkd. 1/4 S1 BT.</p> <p style="padding-left: 40px;">A fir, 23 ins. diam., bears S. 88° W., 57 lks. dist., mkd. X at breast height and BT at the base.</p> <p>Continue descending SW. slope.</p>
44.80	Creek, 3 lks. wide, course S. 55° W.; asc. over broken SE. slope.
58.90	Spur, slopes S. 20° W.; desc. over broken W. slope.
61.530	<p>Point for the W 1/16 sec. cor. of sec. 1 only.</p> <p>Set a stainless steel post, 28 ins. long, 2 1/2 ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <p style="text-align: center;">----- W 1/16 S 1 1993</p> <p>from which</p> <p style="padding-left: 40px;">A fir, 16 ins. diam., bears S. 24° E., 4 lks. dist., mkd. X at breast height and BT at the base.</p>

**Corrective Dependent Resurvey of a Portion of the North Boundary,  
T. 24 S., R. 7 W., Willamette Meridian, Oregon**

<p>CHAINS</p> <p>62.00</p> <p>62.50</p> <p>63.90</p> <p>75.560</p>	<p>A fir, 14 ins. diam., bears S. 59° W., 5 1/2 lks. dist., mkd. W 1/16 S1 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, a point established as the W 1/16 sec. cor. of sec. 1 only by Wilford N. Haines, Registered Land Surveyor No. 239, in 1965 (map file 30-15, Douglas County Survey Records), bears S. 56° 57' 30" E., 0.295 chs. dist., monumented with a T shaped iron rod, 1 in. diam., firmly set, projecting 24 ins. above the ground, at the intersection of wire fences extending E., W., and S., from which a bearing tree mkd. by Haines:</p> <p>A fir, 20 ins. diam., bears S. 55° W., 58 lks. dist., with healed blaze.</p> <p>The position of the Haines monument was based on the erroneous resurvey by Brooks in 1964, and is not accepted in this survey.</p> <p>Creek, 2 lks. wide, course S.; asc. over SE. slope.</p> <p>Graveled road, 30 lks. wide, bears N. 40° E. and S. 40° W.</p> <p>Spur, slopes SE.; desc. over broken NW. slope.</p> <p>The cor. of secs. 35 and 36 only, on the S. bdy. of T. 23 S., R. 7 W., monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 10 ins. above the ground, with brass cap mkd.</p> <p style="text-align: center;">T23S    R7W  <u>  S35     S36  </u>            S 1            1957</p> <p>from which the remains of a bearing tree mkd. by James W. Byron, Deputy County Surveyor, in 1955 (Douglas County Corner Renewal Record, T. 23 S., R. 7 W., No. 34)</p> <p>A fir stump, 36 ins. diam., bears N. 80° W., 33 lks. dist., no marks visible.</p> <p>and a bearing tree mkd. by Eggen</p> <p>A cedar, 24 ins. diam., bears N. 34° E., 205 lks. dist., with healed blaze.</p> <p>and a new bearing tree</p> <p>A fir, 13 ins. diam., bears N. 80° W., 47 lks. dist., mkd. T23S R7W S35 BT.</p> <p>The corner is at the end of a wire fence line extending E.</p>
	<p>S. 88° 46' 30" W., bet. secs. 1 and 35.</p> <p>Descend over broken SW. slope, through heavy timber and dense undergrowth.</p>

**Corrective Dependent Resurvey of a Portion of the North Boundary,  
T. 24 S., R. 7 W., Willamette Meridian, Oregon**

CHAINS 1.30	Intersection of graveled roads, 30 lks. wide, bearing N. 60° E., S. 50° E., and S. 80° W., curving SW.
6.465	The closing cor. of secs. 1 and 2, monumented with an iron post, 2 1/2 ins. diam., firmly set, projecting 4 ins. above the ground, with brass cap mkd.
	<p align="center">           T23S R7W  <u>    S35    </u>            S 2 S 1            T24S R7W            CC            1962         </p>
	from which the remains of a bearing tree mkd. by Brooks
	<p align="center">         A roothole, bears S. 27° W., 6 1/2 lks. dist., alongside of which is lying a rotted fir, 8 ins. diam., no marks remaining.       </p>
	and new bearing trees
	<p align="center">         A fir, 10 ins. diam., bears S. 63° E., 39 lks. dist., mkd. T24S R7W S1 CC BT.       </p>
	<p align="center">         A fir, 12 ins. diam., bears S. 58° W., 32 lks. dist., mkd. T24S R7W S2 CC BT.       </p>
	This corner became a fixed point in the 1958 resurvey.
	The corner is located at the intersection of fences extending S. and W.
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	<p align="center">GENERAL DESCRIPTION</p>
	<p>The lands included in the foregoing survey are located in Douglas County approximately 10 miles northwesterly of the town of Sutherlin, Oregon.</p>
	<p>The terrain is mountainous, the elevations range from 1,000 feet above mean sea level to 2,000 feet above mean sea level.</p>
	<p>The drainage is southerly by numerous small creeks flowing into Yellow Creek and southwesterly toward the Umpqua River.</p>
	<p>The soil is rocky clay. The lands are forested with fir, cedar, hemlock, pine, yew, alder, cherry, maple, oak, madrone, willow, ash, and chinquapin; with an undergrowth of ferns, poison oak, arrowwood, hazel, Oregon grape, salal, huckleberry, blackberry, thimbleberry, salmonberry, gooseberry, current, wild rose, rhododendron, manzanita, and young timber. The principle industry is timber production.</p>
	<p>Access is by logging roads branching from Oregon State Highway No. 138.</p>

## T. 24 S., R. 7 W., Willamette Meridian, Oregon

CHAINS

No mineral deposits or mines were noted along the lines surveyed.

The mean magnetic declination is 19° East, as shown on the United States Geological Survey 7½ minute quadrangle map "YELLOW BUTTE, OREG.," provisional edition, published in 1987.

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