

CHAINS

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

FIELD NOTES

OF THE

CORRECTIVE DEPENDENT RESURVEY OF
A PORTION OF THE SUBDIVISIONAL LINES,
TOWNSHIP 20 SOUTH, RANGE 6 WEST,
OF THE WILLAMETTE MERIDIAN,
IN THE STATE OF OREGON.

EXECUTED BY

Daniel N. Patterson, Cadastral Surveyor

Craig L. Wanless, Cadastral Surveyor

Under Special Instructions dated January 26, 1995,

and approved January 26, 1995,

*which provided for the surveys included under Group No. 1764,
and Assignment Instructions dated January 27, 1995, and January 30, 1995.*

Survey commenced January 30, 1995

Survey completed May 1, 1995

T. 20 S., R. 6 W., Willamette Meridian, Oregon

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The following field notes describe the corrective dependent resurvey of a portion of the subdivisional lines, township 20 south, range 6 west, Willamette Meridian, Oregon.

A history of prior surveys pertaining to this corrective resurvey is as follows:

In 1854, Harvey Gordon, U.S. Deputy Surveyor, surveyed the east boundary of the township.

In 1872, J.H. McClung, U.S. Deputy Surveyor, surveyed the subdivisional lines.

In 1950, Marvin J. Lytle, Cadastral Engineer, resurveyed a portion of the subdivisional lines.

In 1962, William W. Glenn, Cadastral Surveyor, resurveyed a portion of the subdivisional lines.

In 1989, Wayne L. Rogers, Cadastral Surveyor, resurveyed a portion of the subdivisional lines.

Jim S. Peterson, Registered Land Surveyor No. 1084, reported finding the original one-quarter section corner of sections 23 and 24. The corner was not recovered and was reestablished by proportionate method in the 1962 resurvey by William W. Glenn. An investigation confirmed the recovery of the corner necessitating this corrective resurvey.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated January 26, 1995, for Group No. 1764, 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 corrective 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.

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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 1983(91)) of the one-quarter section corner of sections 24 and 25, as determined by a tie to Geodetic Control Station No. EC-41238, established by the Bureau of Land Management in 1995, is as follows:

Latitude 43° 48' 32.44" N. Longitude 123° 21' 29.24" W.

The mean magnetic declination is 19° East.

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

(Restoring the 1854 survey by Harvey Gordon, the 1872 survey by J.H. McClung, the 1950 resurvey by Marvin J. Lytle, the 1989 resurvey by Wayne L. Rogers, and correcting the 1962 resurvey by William W. Glenn)

Beginning at the ¼ sec. cor. of secs. 25 and 26, monumented with the original sandstone, 12 X 10 X 8 ins., mkd. ¼ on W. face, alongside of which is an iron pipe, 1¼ ins. diam., firmly set, projecting 5 ins. above the ground, with brass cap mkd.

T 20 S R 6 W
¼ S 26 | S 25
 BLM 1962
 1962

from which bearing trees mkd. by the Douglas County Surveyor, reported by Glenn

A fir, 28 ins. diam., bears S. 81½° E., 95 lks. dist., with healed blaze.

A fir, 44 ins. diam., bears N. 86½° W., 34 lks. dist., with healed blaze.

N. 2° 22' 00" E., bet. secs. 25 and 26.

Descend over NE. slope, through heavy timber and dense undergrowth.

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

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21.45	Creek, 20 lks. wide, course N. 50° W.; asc. over SW. slope.
37.20	Spur, slopes S. 35° W.; desc. over NW. slope to ravine; thence asc. SW. slope.
41.265	<p>Point for the cor. of secs. 23, 24, 25 and 26, at proportionate distance; there is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;"> <p>T 20 S R 6 W</p> <p>S 23 S 24</p> <p>-----</p> <p>S 26 S 25</p> <p>1995</p> </div> <p>from which new bearing trees</p> <p style="padding-left: 40px;">A fir, 20 ins. diam., bears N. 29½° E., 23½ lks. dist., mkd. T20S R6W S24 BT.</p> <p style="padding-left: 40px;">A chinquapin, 11 ins. diam., bears S. 35° E., 91 lks. dist., mkd. T20S R6W S25 BT.</p> <p style="padding-left: 40px;">A fir, 21 ins. diam., bears S. 50° W., 19½ lks. dist., mkd. T20S R6W S26 BT.</p> <p style="padding-left: 40px;">A fir, 31 ins. diam., bears N. 28 ¾° W., 109½ lks. dist., mkd. T20S R6W S23 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, the cor. of secs. 23, 24, 25 and 26, erroneously reestablished by Glenn in 1962, bears S. 1° 47' W., 0.193 chs. dist.; monumented with an iron post, 2½ ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. and witnessed as described in the official record. Remove the marks from the 1962 brass cap and remark the brass cap AM 12.74 FT 1995 and an arrow pointing toward the corner, no marks were removed from the bearing trees due to the size and condition of them.</p> <hr/> <p>From the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the Tp., monumented with an iron pipe, 1¼ ins. diam., firmly set, projecting 12 ins. above ground, with brass cap mkd.</p>

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	T 20 S S 24 S 19 ----- S 25 S 30 R 6 W R 5 W BLM 1962 1962
	from which the remains of the original bearing trees
	A fir, 51 ins. diam., bears N. 49° E., 46½ lks. dist., with healed blaze.
	A fir snag, 10 ins. diam., bears S. 65° E., 76 lks. dist., with scribe marks T20S R5W S30 visible on open blaze.
	A cedar, 45 ins. diam., bears S. 70° W., 42 lks. dist., with healed blaze.
	A fir snag, 58 ins. diam., bears N. 72° W., 27 lks. dist., with scribe marks T20S R5W S24 DCS BT visible on open blaze.
	and a bearing tree mkd. by Douglas County Surveyor and reported by Glenn
	A fir, 23 ins. diam., bears S. 59 3/4° E., 125 lks. dist., with healed blaze.
	and bearing trees mkd. by person(s) unknown
	A fir, 34 ins. diam., bears S. 22 3/4° E., 165 lks. dist., with healed blaze.
	A fir, 28 ins. diam., bears N. 54¼° W., 155 lks. dist., with healed blaze.
	S. 88° 27' 00" W., bet. secs. 24 and 25.
	Ascend over NE. slope, through heavy timber and dense undergrowth.
7.20	Spur, slopes N. 20° E.; desc. over SW. slope.
17.55	Creek, 5 lks. wide, course N. 40° E.; asc. over NE. slope.
39.740	Point for the ¼ sec. cor. of secs. 24 and 25, at proportionate distance, there is no remaining evidence of the original corner.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	T 20 S R 6 W S 24 $\frac{1}{4}$ ----- S 25 1995
	from which new bearing trees
	A fir, 11 ins. diam., bears N. $14\frac{1}{2}^{\circ}$ W., $59\frac{1}{2}$ lks. dist., mkd. $\frac{1}{4}$ S24 BT.
	A fir, 12 ins. diam., bears S. $79\frac{1}{2}^{\circ}$ W., 107 lks. dist., mkd. $\frac{1}{4}$ S25 BT.
	Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.
	From this point, the $\frac{1}{4}$ sec. cor. of secs. 24 and 25, erroneously reestablished by Glenn in 1962, bears S. $1^{\circ} 29'$ W., 0.116 chs. dist.; monumented with an iron post, $2\frac{1}{2}$ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. and witnessed as described in the official record, except there is no remaining evidence of the SW. bearing tree. Remove the marks from the 1962 brass cap and remark the brass cap AM 7.66 FT 1995 and an arrow pointing toward the corner, no marks were removed from the NE. bearing tree due to its size and condition.
	From this same point, the Bureau of Land Management Geodetic Control Station No. 41238, established in 1995 at latitude $43^{\circ} 48' 59.949''$ N., longitude $123^{\circ} 22' 28.057''$ W. (NAD 1983(91), bears N. $57^{\circ} 09' 00''$ W., 77.795 chs. dist. (mean bearing and sea level dist.); monumented with an aluminum rod, $\frac{3}{4}$ in. diam., firmly set flush with the surface of the ground, with aluminum cap mkd. EC 41238 1995.
	Ascend over NE. slope through moderate timber and moderate undergrowth.
49.75	Spur, slopes N. 60° E.; desc. over NW. slope.
56.05	Ravine, drains N. 10° W.; asc. over NE. slope.
58.40	Spur, slopes N. 50° W.; desc. over SW. slope.
59.610	Point for the W $\frac{1}{16}$ sec. cor. of secs. 24 and 25. Set an iron rod, 18 ins. long, $\frac{5}{8}$ in. diam., 16 ins. into the root of a fir, 40 ins. diam., with aluminum cap mkd.

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	S 24 W 1/16 ----- S 25 1995
	from which new bearing trees
	A fir, 7 ins. diam., bears N. 50¼° E., 99 lks. dist., mkd. W 1/16 S24 BT.
	A fir, 44 ins. diam., bears S. 19¼° W., 71 lks. dist., mkd. W 1/16 S25 BT.
	From this point, the W 1/16 sec. cor. of secs. 24 and 25, erroneously established by Glenn in 1962, bears S. 6° 18' E., 0.164 chs. dist.; monumented with an iron post, 2½ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. and witnessed as described in the official record. Remove the marks from the 1962 brass cap and remark the brass cap AM 10.82 FT. 1995 and an arrow pointing toward the corner, no marks were removed from the bearing trees due to the size and condition of them.
	Ascend over SE. slope.
68.15	Spur, slopes S. 70° W.; desc. over NW. slope.
74.00	Ravine, drains N. 10° E.; asc. over NE. slope.
76.30	Spur, slopes N. 50° W.; desc. over SW. slope.
79.480	The cor. of secs. 23, 24, 25 and 26.
	<hr/> N. 2° 25' 00" W., bet. secs. 23 and 24.
	Ascend over SW. slope, through heavy timber and dense undergrowth.
4.70	Spur, slopes N. 50° W.; desc. over N. slope.
13.80	Ravine, drains N. 60° W.; asc. over SW. slope.
20.630	Point for the S 1/16 sec. cor. of secs. 23 and 24.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	S 1/16 S 23 S 24 1995

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	<p>from which</p> <p style="padding-left: 40px;">A fir, 10 ins. diam., bears S. 68½° E., 10½ lks. dist., mkd. S 1/16 S24 BT.</p> <p style="padding-left: 40px;">A fir, 25 ins. diam., bears S. 51½° W., 24½ lks. dist., mkd. S 1/16 S23 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at the base of the stainless steel post.</p> <p>From this point, the S 1/16 sec. cor. of secs. 23 and 24, erroneously established by Glenn in 1962, bears S. 58° 54' 30" E., 0.556 chs. dist.; monumented with an iron post, 2½ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd. and witnessed as described in the official record. Remove the marks from the 1962 brass cap and remark the brass cap AM 36.69 FT 1995 and an arrow pointing to the corner; no marks were removed from the bearing trees due to the size and condition of them.</p> <p>Ascend over SW. slope.</p>
23.25	Spur, slopes S. 60° W.; desc. over NW. slope.
26.35	Ravine, drains S. 80° W.; asc. over SW. slope.
29.25	Spur, slopes S. 60° W.; desc. over NW. slope.
41.260	<p>The ¼ sec. cor. of secs. 23 and 24, perpetuated by Jim S. Peterson, Registered Land Surveyor No. 1084, in 1995, recorded in Lane County Survey File No. 32770; monumented with an iron pipe, ¾ in. diam., firmly set, projecting 3 ins. above ground, with plastic cap mkd. LS 1084. From which the remains of an original bearing tree:</p> <p style="padding-left: 40px;">A fir stump, 30 ins. diam., bears N. 49° E., 10 lks. dist., with illegible scribe marks visible on opened blaze.</p> <p>and a bearing tree mkd. by Peterson</p> <p style="padding-left: 40px;">An alder, 12 ins. diam., bears N. 54° W., 89½ lks. dist., with scribe marks ¼ S23 BT visible on the bark.</p> <p>At the corner point</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.</p>

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	T 20 S R 6 W ¼ S 23 S 24 1995
	from which a new bearing tree
	A fir, 9 ins. diam., bears S. 65½° E., 74 lks. dist., mkd. ¼ S24 BT.
	Deposit a white "DEEP-1" magnetic marker at base and iron pipe inside the stainless steel post.
	From this point, the ¼ sec. cor. of secs. 23 and 24, erroneously reestablished by Glenn in 1962, bears S. 67° 01' E., 1.042 chs. dist.; monumented with an iron post, 2½ ins. diam., firmly set, projecting 6 ins. above ground, with brass cap mkd. and witnessed as described in the official record, except there is no remaining evidence of the SW. bearing tree. Remove the marks from the 1962 brass cap and remark the brass cap AM 68.77 FT 1995 and an arrow pointing toward the corner, no marks were removed from the SE. bearing tree due to its size and condition.
	<hr style="width: 20%; margin: 0 auto;"/>
	N. 0° 12' 00" E., beginning new measurement.
	Descend over NW. slope, through medium timber and dense undergrowth.
2.85	Smith Creek, 15 lks. wide, course N. 80° E.; asc. over SE. slope.
4.40	Dirt road, 15 lks. wide, bears N. 50° E. and S. 50° W.
40.590	The cor. of secs. 13, 14, 23 and 24, monumented with an iron post, 2½ ins. diam., firmly set, projecting 4 ins. above ground, with brass cap mkd.
	T 20 S R 6 W S 14 S 13 ----- S 23 S 24 1962
	from which the remains of an original bearing tree
	A fir snag, 16 ins. diam., bears S. 55° W., 15 lks dist., with scribe marks S23 visible on open blaze.
	and the remains of bearing trees mkd. by Weyerhaeuser Timber Company and reported by Glenn

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	<p>A fir snag, 48 ins. diam., bears S. 6° W., 36 lks. dist., with healed blaze.</p> <p>A root hole, bears S. 64° W., 48½ lks. dist., alongside of which is lying a fir, 45 ins. diam., no marks visible.</p> <p>A sawed and decayed fir stump, 38 ins. diam., bears N. 13½° W., 28½ lks. dist., no marks visible.</p> <p>and the remains of bearing trees mkd. by Glenn</p> <p>An alder, 11 ins. diam., bears N. 39° E., 19 lks. dist., no marks visible.</p> <p>An alder, 12 ins. diam., bears S. 29½° E., 31 lks. dist., with scribe marks T20S R6W S24 BT visible on bark.</p> <p>A fir, 35 ins. diam., bears S. 43 3/4° W., 65 lks. dist., with healed blaze.</p> <p>A sawed fir stump, 37 ins. diam., bears N. 70° W., 109 lks. dist., no marks visible.</p> <p>and a new bearing tree</p> <p>An alder, 15 lks. dist., bears N. 54° W., 18½ lks. dist., mkd. T20S R6W S14 BT.</p>
	<hr/> <p>From the cor. of secs. 23, 24, 25 and 26.</p> <p>N. 89° 47' 00" W., bet. secs. 23 and 26.</p> <p>Descend over SW. slope, through medium timber and dense undergrowth.</p>
4.18	Ravine, drains S. 65° W.; asc. over SE. slope.
7.20	Spur, slopes S.; desc. over SW. slope.
12.95	Smith Creek, 30 lks. wide, course N. 10° W.; asc. over NE. slope.
19.45	Dirt road, 15 lks. wide, bears N. and S.
37.00	Spur, slopes N. 30° W.; desc. over NW. slope.
39.805	<p>Point for ¼ sec. cor. of secs. 23 and 26, at proportionate distance, there is no remaining evidence of the original corner.</p> <p>Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins.</p>

**Corrective Dependent Resurvey of a Portion of the Subdivisional
Lines, T. 20 S., R. 6 W., Willamette Meridian, Oregon**

CHAINS	
	<p>in the ground, with brass cap mkd.</p> <p style="text-align: center;">T 20 S R 6 W S 23 ¼ ----- S 26 1995</p> <p>from which new bearing trees</p> <p style="padding-left: 40px;">A fir, 18 ins. diam., bears N. 9° E., 79½ lks. dist., mkd. ¼ S23 BT.</p> <p style="padding-left: 40px;">A hemlock, 15 ins. diam., bears S. 71° W., 57½ lks. dist., mkd. ¼ S26 BT.</p> <p>Deposit a white "DEEP-1" magnetic marker at base of stainless steel post.</p> <p>From this point, the ¼ sec. cor. of secs. 23 and 26, erroneously reestablished by Glenn in 1962, bears S. 25° 22' E., 0.107 chs. dist.; monumented with an iron post, 2½ ins. diam., firmly set, projecting 2 ins. above ground, with brass cap mkd. and witnessed as described in the official record. Remove the marks from the 1962 brass cap and remark the brass cap AM 7.09 FT 1995 and an arrow pointing toward the corner, no marks were removed from the bearing trees due to the size and condition of them.</p> <p>Descend over NW. slope.</p>
45.45	Creek, 15 lks. wide, course N. 30° E.; asc. over SE. slope.
54.35	Spur, slopes N. 30° E.; desc. over NW. slope.
57.60	Ravine, drains N.; asc. over NE. slope.
61.25	Spur, slopes N. 40° W.; desc. over NW. slope.
66.90	Ravine, drains N. 30° E.; asc. over SE. slope.
79.610	<p>The cor. of secs. 22, 23, 26 and 27, monumented with an iron post, 2½ ins. diam., firmly set, projecting 3 ins. above ground, with brass cap mkd.</p> <p style="text-align: center;">T 20 S R 6 W S 22 S 23 ----- S 27 S 26 1950</p>

T. 20 S., R. 6 W., Willamette Meridian, Oregon

CHAINS

from which the remains of bearing trees mkd. by Lytle

A fir, 39 ins. diam., bears N. $60\frac{1}{4}^{\circ}$ E., 78 lks. dist., with healed blaze.

A fir, lying on ground, 28 ins. diam., bears S. $37\frac{1}{4}^{\circ}$ E., 101 lks. dist., no marks visible.

A fir, 41 ins. diam., bears S. $70\frac{1}{4}^{\circ}$ W., 33 lks. dist., with healed blaze.

A fir, 27 ins. diam., bears N. $48\frac{3}{4}^{\circ}$ W., 67 lks. dist., with healed blaze.

and a new bearing tree

A fir, 24 ins., diam., bears S. $29\frac{3}{4}^{\circ}$ E., 56 lks. dist., mkd. T20S R6W S26 BT.

 GENERAL DESCRIPTION

The lands included in this survey are located in Lane and Douglas Counties about seven miles southwesterly of the community of Lorane, Oregon. The area is reached by proceeding westerly on the Siuslaw River Highway.

The area is drained primarily by Smith Creek and its tributaries which flow northeasterly into the Siuslaw River. The elevation ranges from about 700 feet above sea level at the intersection of Smith Creek and the line between sections 23 and 24, up to about 1,200 above sea level near the center of section 25. The soil is primarily rocky clay loam.

The timber cover is generally heavy and consists of Douglas fir, hemlock, cedar, chinquapin, yew, alder and maple. The undergrowth is dense throughout the area and consists of vine maple, salal, rhododendron, huckleberry, Oregon grape and ferns.

No mineral deposits were noted along the lines surveyed and there is no mining activity within the township.

The mean magnetic declination for the area is 19° East, as shown on the "LETZ CREEK, OREG." quadrangle, $7\frac{1}{2}$ minute series, provisional edition, published by the United States Geological Survey in 1984.
