

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 21 SOUTH, RANGE 7 WEST,

OF THE WILLAMETTE MERIDIAN,

IN THE STATE OF OREGON.

EXECUTED BY

Dale T. Bedell, Cadastral Surveyor

Under Special Instructions dated June 17, 1992, approved June 18, 1992,
which provided for the surveys included under Group No. 1658,
and Assignment Instructions dated August 19, 1992.

Survey commenced August 24, 1992***Survey completed September 22, 1992***

T. 21 S., R. 7 W., Willamette Meridian, Washington

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The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, township 21 south, range 7 west, Willamette Meridian, Oregon.

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

In 1883, Laban H. Wheeler, U.S. Deputy Surveyor, surveyed the east boundary and a portion of the subdivisional lines.

In 1884, William P. Wright, U.S. Deputy Surveyor, surveyed a portion of the subdivisional lines, T. 21 S., R. 6 W.

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated June 17, 1992, for Group No. 1658, Oregon.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of the 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.

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.

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 sections 1, 2, 11 and 12, as determined by direct tie to Geodetic Control Station No. EC 41164, established by the Bureau of Land Management, is as follows:

Latitude: 43° 45' 45.14" N. Longitude: 123° 29' 07.53" W.

The mean magnetic declination is 20° East.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 7 W., Willamette Meridian, Oregon**

(Restoring the survey by Laban H. Wheeler in 1883)

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 7 W., Willamette Meridian, Oregon**

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Beginning at the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., perpetuated and recorded by Wilford N. Haines, Registered Land Surveyor No. 239, in 1960 (County Survey File No. 51/67, Douglas County Records), monumented with a "T" shaped iron rod, 30 ins. long, 1 in. diam., firmly set, extending 12 ins. above the ground, with a brass disk mkd. WILFORD N. HAINES LS 239 DRAIN OREGON, from which the remains of the original bearing trees:

A root hole, bears N. 72° E., 46 lks. dist., with a rotted fir, 28 ins. diam., lying alongside, no remaining marks.

A fir snag, 26 ins. diam., bears S. 43° E., 24 lks. dist., with axe marks on a rotted blaze.

A maple clump, 35 ins. diam., bears S. 79° W., 25 lks. dist. (Record, 20 lks.)

A rotted fir stump, size indeterminate, bears N. 18° W., 25 lks. dist., no remaining marks.

and a bearing tree mkd. by person(s) unknown

A fir, 62 ins. diam., bears S. 75° E., 63 lks. dist., with scribe marks BT visible on the bark.

At the corner point

Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T21S
R7W R6W
S 1 * S 6

S 12 * S 7
1992

from which new bearing trees

A hemlock, 6 ins. diam., bears N. 55 1/4° E., 67 lks. dist., mkd. T21S R6W S6 BT.

A cedar, 24 ins. diam., bears S. 45 1/2° W., 60 lks. dist., mkd. T21S R7W S12 BT.

A cedar, 17 ins. diam., bears N. 36 1/2° W., 64 lks. dist., mkd. T21S R7W S1 BT.

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

The corner is located on a S. slope, 1 ch. N. of a dry creekbed, 10 lks. wide, draining W.

S. 86° 37' 30" W., between secs. 1 and 12.

Cross steep S. slope, through heavy timber and dense undergrowth.

9.80

Begin to descend over broken W. slope.

**Dependent Resurvey of a Portion of the Subdivisional Lines,
T. 21 S., R. 7 W., Willamette Meridian, Oregon**

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19.90	Little South Fork Smith River, 25 lks. wide, course N. 20° W.; asc. over gentle E. slope.
23.45	Dirt road, 20 lks. wide, bears N. 10° W. and S. 10° E.
23.575	A witness point established and recorded by Wilford N. Haines, Registered Land Surveyor No. 239, in 1961 (Map File 21-73, Douglas County Records), monumented with a "T" shaped iron rod, 1 in. diam., firmly set, extending 1 in. above the ground. Begin ascent over steep broken SE. slope.
42.580	Point for the 1/4 sec. cor. of secs. 1 and 12, at proportionate distance; there is no remaining evidence of the original corner. Set a stainless steel post, 28 ins. long, 2½ ins. diam., 22 ins. in the ground, and in a mound of stone 2 1/2 ft. base, to top, with brass cap mkd. <div style="text-align: center;"> T21S R7W S 1 1/4 ----- S 12 1992 </div> from which <div style="margin-left: 40px;"> A fir, 8 ins. diam., bears N. 46° E., 3 1/2 lks. dist., mkd. 1/4 S1 BT. A fir, 9 ins. diam., bears S. 46° W., 18 lks. dist., mkd. 1/4 S12 BT. </div> Deposit a white "DEEP-1" magnetic marker at base of stainless steel post. Continue to ascend over broken SE. slope.
54.50	Spur, slopes N. 40° E.; desc. over broken NW. slope.
61.80	Ravine, drains N. 10° E.; asc. over steep NE. slope.
65.50	Spur, slopes N. 10° E.; desc. over steep W. slope.
72.20	Ravine, drains N. 30° E.; asc. over steep E. slope.
77.50	Spur, slopes N. 50° E.; desc. over broken NW. slope.
85.160	The cor. of secs. 1, 2, 11 and 12, perpetuated and recorded from original evidence no longer in existence by Wilford N. Haines, Registered Land Surveyor No. 239, in 1961 (County Survey File No. 51/67, Douglas County Records), monumented with a "T" shaped iron rod, 1 in. diam., firmly set, extending 3 ins. above the ground, with a brass disk mkd. WILFORD N. HAINES LS 239 DRAIN OREGON, from which a bearing tree and a bearing object mkd. by Haines: <div style="margin-left: 40px;"> A hemlock, 23 ins. diam., bears N. 41 1/2° E., 16 lks. dist., with a healed blaze. </div>

**Dependent Resurvey of a Portion of the Subdivisional Lines,
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A rock face, 20 ft. wide x 8 ft. high, bears S. 17° W., 38 lks. dist. to X, with marks XBO visible.

and the remains of a bearing tree mkd. by person(s) unknown and reported by Haines

A fir stump, 37 ins. diam., bears S. 69 1/4° W., 73 lks. dist., with scribe marks S11 TXX1 BT visible on the bark.

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 rod, with brass cap mkd.

T21S R7W
S 2 * S 1

S 11 * S 12
1992

from which a new bearing tree

A fir, 8 ins. diam., bears S. 63 1/2° E., 30 lks. dist., mkd. T21S R7W S12 BT.

No suitable bearing trees available within limits northwest of the corner.

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

From this corner, the Bureau of Land Management Geodetic Control Station No. EC 41164, at latitude 43° 45' 44.50" N., longitude 123° 29' 24.41" W. (NAD 1927), determined by the NAVSTAR Global Positioning System, bears S. 87° 00' 00" W., 18.800 chs. dist. (mean bearing and sea level distance), monumented with an aluminum cap, 3 ins. diam., set in cement flush with the ground, mkd. EC 41164 GPS 1992. The station is on the easterly edge of a gravel road, 30 lks. wide, bearing N. and S.

GENERAL DESCRIPTION

The lands included in the foregoing survey are located in Douglas County approximately 10 miles northwest of the town of Drain, Oregon. The terrain is mountainous, the elevations range from 700 feet to 1,200 feet above sea level.

The drainage is northeasterly by numerous small creeks flowing into the Little South Fork of the Smith River.

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 logging roads branching from Douglas County Road No. 37.

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

The mean magnetic declination is 20° E., with a range of 1° due to local attraction.
