UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF THE LINE BETWEEN SECTIONS 25 AND 36,

TOWNSHIP 20 SOUTH, RANGE 6 WEST,

OF THE WILLAMETTE MERIDIAN,

IN THE STATE OF OREGON.

EXECUTED BY

Wayne L. Rogers, Cadastral Surveyor

Under Special Instructions dated May 8, 1997, approved May 8, 1997,
which provided for the surveys included under Group No. 1839,
and Assignment Instructions dated May 12, 1997.

Survey commenced May 12, 1997

Survey completed May 28, 1997

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

CHAINS

The following field notes are those of the dependent resurvey of the line between sections 25 and 36, township 20 south, range 6 west, Willamette Meridian, Oregon.

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

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

In 1872, John W. McClung, U. S. Deputy Surveyor, surveyed the north, south, and west boundaries and subdivisional lines.

In 1967-71, Floyd A. Brooks and Timothy A. Kent, Cadastral Surveyors, dependently resurveyed a portion of the east boundary.

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

In 1995, Daniel D. Patterson and Craig L. Wanless, Cadastral Surveyors, resurveyed 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 May 8, 1997, for Group No. 1839, 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. Measured distances and directions have been adjusted by Cadastral Measurement Management (CMM), a computer program that incorporates a least squares adjustment routine. The adjusted bearings and distances are reported to the nearest second and 0.001 chain. The Standard Error of Unit Weight (SEUW) for a least squares adjustment of the survey data was checked to assure a value between 0.7 and 2.5. In addition, a post-adjustment comparison of the final adjusted measurements to the original unadjusted measurements was also checked to assure a ratio not exceeding 1:4000. This comparison was done in the CHECKER routine of CMM, and is reported as the Precision After Orientation Correction.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. The 1/4 corner of sections 25 and 36 was reestablished and remonumented at proportionate position based on the official record. The retracement data were thoroughly verified and only the true line field notes are given herein.

The geographic position (NAD 1983(86)) of the corner of sections 25, 26, 35, and 36, as determined from a tie to Geodetic Control Station No. EC 41004, established by the Bureau of Land Management in 1989, is as follows:

Latitude: 43° 47' 39.58" N. Longitude: 123° 22' 06.69" W.

Dependent Resurvey of the Line Between Sections 25 and 36, T. 20 S., R. 6 W., Willamette Meridian, Oregon

CHAINS

The mean magnetic declination is 19° East.

(Restoring the survey by John W. McClung in 1873)

Beginning at the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp., monumented with an iron post, 1¼ ins. diam., firmly set, projecting 2 ins. above the ground in the root wad of an original bearing tree, with brass cap mkd.

DOUG. CO. SURVEYORS OFFICE
T 20 S
S 25 | S 30
S 36 | S 31
R 6 W R 5 W
BLM 1967
1962

from which the remains of original bearing trees

A sawed fir stump, 36 ins. diam., bears N. 58° E., 31 lks. dist., with healed blaze.

A roothole, bears S. 17° E., 8 lks. dist., with down fir alongside, 36 ins. diam., no marks visible.

A burned fir stump, size indeterminate, bears N. 3° W., 65 lks. dist., with partially decayed trunk alongside, no marks visible.

and the remains of bearing trees mkd. by Milo E. Godfrey, Deputy County Surveyor, in 1962, recorded in the Douglas County Surveyors Office, Record of Government Corners Renewed, T. 20 S., R. 6 W., No. 27

A sawed and capped fir stump, 37 ins. diam., bears S. 19 3/4° E., 73 lks. dist., with healed double blaze.

A cedar, 19 ins. diam., bears S. 57¼° W., 16½ lks. dist., with healed double blaze.

A fir, 25 ins. diam., bears N. 49½° W., 56 lks. dist., with healed double blaze. (Record, 58 lks.)

and new bearing trees

A fir, 7 ins. diam., bears N. 66½° E., 27½ lks. dist., mkd. T20S R5W S30 BT.

A cedar, 13 ins. diam., bears S. 62½° E., 45½ lks. dist., mkd. T20S R5W S31 BT.

The corner is located N., 1.15 chs. dist. of a ridge, bears N. 40° E. and S. 40° W.

S. 88° 34' 31" W., bet. secs. 25 and 36.

Dependent Resurvey of the Line Between Sections 25 and 36, T. 20 S., R. 6 W., Willamette Meridian, Oregon

CHAINS	
	Descend over broken SW. slope.
36.85	Summit Creek, 5 lks. wide, course S. 5° W.; asc. over broken SE. slope.
40.643	Point for the 1/4 sec. cor. of secs. 25 and 36, at proportionate distance; there is no remaining evidence of the original corner.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. T 20 S R 6 W S 25 1/4 —————— S 36 1997
	from which
	A fir, 14 ins. diam., bears N. 62° E., 17½ lks. dist., mkd. 1/4 S25 BT.
	A fir, 21 ins. diam., bears S. 43 3/4° E., 22½ lks. dist., mkd. 1/4 S36 BT.
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From this point, a point established by person(s) unknown, bears N. 3° 09' 35" E., 0.024 chs. dist., monumented with an iron pipe, 1½ ins. diam., firmly set, projecting 8 ins. above the ground, from which a bearing tree mkd. by person(s) unknown,
	A fir, 55 ins. diam., bears N. 11¼° W., 71½ lks. dist., with no mks. visible.
	Ascend over a broken SE. slope.
44.50	Dirt road, 20 lks. wide, bears N. 50° E. and S. 50° W.
81.286	The cor. of secs. 25, 26, 35, and 36, perpetuated by James W. Byron, Deputy County Surveyor, in 1961, recorded in the Douglas County Surveyors Office, Record of Government Corners Renewed, T. 20 S., R. 6 W., No. 24; monumented with an iron post, 1¼ ins. diam., firmly set, projecting 14 ins. above ground, with brass cap mkd. COUNTY SURVEYORS OFFICE T 20 S R 6 W S 26 | S 25 S 35 | S 36 1961
	from which the remains of an original bearing tree
	A decayed fir stump, size indeterminate, bears S. 40° E., 20 lks. dist., no marks visible.
	and the remains of bearing trees mkd. by Byron

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CHAINS

A fir, 28 ins. diam., bears S. 22° E., 81 lks. dist., with healed double blaze.

A fir, 19 ins. diam., bears S. 78½° W., 42½ lks. dist., with healed blaze.

A fir, 28 ins. diam., bears N. 47½° W., 44½ lks. dist., with healed blaze.

and the remains of a reference tree by Weyerhauser Co., (determined from a "W" nail driven in at base)

A sawed fir stump, 40 ins. diam., bears N. 30½° E., 52 lks. dist. to head of a nail at the base, mkd. W.

and a new bearing tree

A fir, 12 ins. diam., bears N. 59¼° E., 26½ lks. dist., mkd. T20S R6W S25 BT.

From this point, the Bureau of Land Management Geodetic Control Station No. EC 41004, at latitude 43° 47' 27.995" N., longitude 123° 23' 16.915" W. (NAD 1983), determined by the NAVSTAR Global Positioning System, bears S. 77° 10' 12" W., 80.045 chs. dist. (mean bearing and sea level dist.); monumented with an aluminum cap, 3¼ ins. diam., firmly set flush with the ground in concrete, mkd. EC 41004 GPS 1989.

GENERAL DESCRIPTION

The lands included in the foregoing resurvey are located in Douglas County approximately 10 miles northwesterly of Drain, Oregon. The elevations range from approximately 1020 feet above sea level at the corner of sections 25, 26, 35, and 36, to about 1420 feet above sea level at the corner of sections 25, 30, 31, and 36.

The area is drained by Summit Creek with numerous small and seasonal drainages flowing into it. The lands are forested with fir, cedar, hemlock, yew, alder, maple, madrone, willow, and chinquapin. Undergrowth consists of ferns, poison oak, arrowwood, hazel, Oregon grape, salal, huckelberry, blackberry, thimbleberry, salmonberry, wild rose, rhododendron, manzanita, and young timber.

Access is gained via a paved road along Smith River and a graveled road branching from it along Summit Creek into the area.

There were no mineral deposits noted along the line resurveyed. The land is used primarily for timber production and recreation.

The mean magnetic declination as shown on the United States Geological Survey 7½ minute quadrangle map "LETZ CREEK, OREGON," provisional edition, published in 1984, is 19° East.
