UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF

A PORTION OF THE SUBDIVISIONAL LINES

AND THE SUBDIVISION OF SECTIONS 10 AND 21

TOWNSHIP 32 SOUTH, RANGE 4 WEST,

OF THE WILLAMETTE MERIDIAN,

IN THE STATE OF OREGON.

EXECUTED BY

Richard J. Dieckmann, Cadastral Surveyor

Under Special Instructions dated and approved April 12, 2006,

Which provided for the surveys included under Group No. 2141,

and Assignment Instructions dated April 20, 2006.

Survey commenced April 20, 2006

Survey completed July 26, 2006

T. 32 S., R. 4 W., Willamette Meridian, Oregon

FEET	
	The following field notes are those of the dependent resurvey of a portion of the subdivisional lines, and the subdivision of sections 10 and 21, Township 32 South, Range 4 West, Willamette Meridian, Oregon. The history of surveys pertaining to this survey is as follows: In 1871, W. H. Byars, U.S. Deputy Surveyor, surveyed the north boundary, and portions of the east boundary and subdivisional lines. In 1897, Winfield S. Chapman and Carl S. Nicklin, U.S. Deputy Surveyors, surveyed a portion of the East boundary and subdivisional lines, and resurveyed the south boundary, and portions of the north boundary, west boundary, and subdivisional lines. In 1959, Hans W. Theilsen, Cadastral Surveyor, resurveyed a portion of the east boundary and subdivisional lines, subdivided sections 10 and 24, and remonumented certain original corner points. In 1971, Larry D. Evans, Cadastral Surveyor, resurveyed a portion of the west boundary and subdivisional lines, subdivided sections 7 and 17, and remonumented certain original corner points. The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions dated April 12, 2006, for Group No. 2141, Oregon. The directions of the lines are based on the true meridian as determined by direct solar observations and a Global Positioning System (GPS) control network. They were carried forward by means of sustained angulation. All measurements along the lines were derived through the use of electronic measuring equipment. The survey was performed using a combination of GPS satellite techniques and terrestrial measured distances and directions. The GPS measurements utilized dual frequency carrier phase receivers and were executed in accordance with the "Standards and Guidelines for Cadastral Surveys using Global Positioning System Methods", dated May 9 2001, published by the U.S.D.A. Forest Service and U.S.D.I. Bureau of Land Management (BLM). The static GPS vectors have been adjusted using computer software which incorporates a least squares adjustment routine. The maximum GPS cadastral measurement error ellipse at 95% confidence level is 0.07 feet based on local accuracy standards. Terrestrial measured distances and directions have been adjusted by computer software that incorporates a least squares adjustment routine. The adjusted data assured a closure not exceeding 1:4000 in error. The adjusted bearings are reported as mean geodetic bearings rounded to the nearest second. The adjusted distances are reported to the nearest 0.01 foot.

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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.

Lines which represent BLM property boundaries were blazed, painted, and tagged with BLM boundary signs.

Each new bearing tree has a 2½ inch x ¼ inch magnetic nail (Mag Nail) driven at the base on right side center, unless otherwise noted in the corner description.

The geographic position (NAD 1983(CORS96)) of the ¼ section corner of sections 16 and 21, as determined by a conventional tie to a temporary point, established utilizing NAVSTAR GPS static data and NGS CORS Stations "CAPE BLANCO" and "DODSON BUTTE", is as follows:

Latitude: 42° 47' 05.87" N. Longitude: 123° 10' 54.39" W.

The geographic position (NAD 1983(CORS96)) of the center N 1/16 section corner of section 10, as determined by a conventional tie to a temporary point, established utilizing NAVSTAR GPS static data and NGS CORS Stations "CAPE BLANCO" and "DODSON BUTTE", is as follows:

Latitude: 42° 48' 36.09" N. Longitude: 123° 09' 43.13" W.

Dependent Resurvey of a Portion of the Subdivisional Lines, T. 32 S., R. 4 W., Willamette Meridian, Oregon

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(Restoring the 1897 survey by Winfield S. Chapman and Carl S. Nicklin and the 1959 corner remonumentation by Hans W. Theilsen)

Beginning at the ¼ section corner of sections 21 and 28, perpetuated by the Douglas County Surveyor's Office in 1970, recorded per file C.S. 54/114, monumented with an iron post, 1¼ ins. diam., firmly set, projecting 12 ins. above the ground, with a brass cap mkd.

COUNTY SURVEYORS OFFICE
T 32 S
S 21
1/4 ———
S 28
R 4 W
1970

from which the remains of the original bearing trees

A decayed Douglas fir stump of indeterminate size, bears N. 75° E., 29.0 ft. dist., with scribe mark T visible on an open rotted blaze.

T. 32 S., R. 4 W., Willamette Meridian, Oregon

FEET

A decayed Douglas fir stump of indeterminate size, bears S. 87° E., 23.8 ft. dist., with scribe mark S visible on an open rotted blaze.

and bearing trees mkd. by the Douglas County Surveyor's Office

A live oak, 9 ins. diam., bears N. 3½° E., 37.1 ft. dist., with a healed blaze.

A live oak, 10 ins. diam., bears N. 61¾° E., 25.3 ft. dist., with a healed blaze.

N. 89° 13' 55" W., bet. secs. 21 and 28.

1292.49 Point for the W 1/16 sec. cor. of secs. 21 and 28. No permanent monument established.

2584.98 The corner of secs. 20, 21, 28, and 29, perpetuated from original evidence, no longer in existence, by George J. Wenderoth, Douglas County Deputy Surveyor, in 1947, recorded per file C.S. 38/246-1, monumented with an iron pipe 1¼ ins. diam., firmly set, projecting 15 ins. above the ground.

from which bearing trees marked by Wenderoth

A madrone, 10 ins. diam., bears S. 48¼° E., 20.5 ft. dist., with a healed blaze.

A Douglas fir, 30 ins. diam., bears S. 83¾° W., 5.8 ft. dist., with a healed blaze.

A chinquapin snag, 11 ins. diam., bears N. 35¾° W., 23.0 ft. dist., with a healed blaze.

At the corner point

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

T 32 S R 4 W

S 20	S 21
S 29	S 28

2006

from which new bearing trees

A Douglas fir, 15 ins. diam., bears N. 45° E., 18.4 ft. dist., mkd. T32S R4W S21 BT.

A chinquapin, 6 ins. diam., bears N. 52¾° W., 50.4 ft. dist., mkd. X at breast height, BT at the base.

N. 0° 39' 53" W., bet. secs. 20 and 21.

663.09 Point for the S-S 1/64 sec. cor. of secs. 20 and 21.

T. 32 S., R. 4 W., Willamette Meridian, Oregon

FEET	
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, in a collar of stone, with brass cap mkd. S-S 1/64 S 20 | S 21 2006 from which A Douglas fir, 28 ins. diam., bears N. 24¾° E., 24.6 ft. dist., mkd. SS1/64 S21 BT. A Douglas fir, 4 ins. diam., bears N. 88° W., 8.5 ft. dist., mkd. X at breast height, BT at the base. Deposit a magnet in a white plastic case at the base of the stainless steel post.
1326.18	Point for the S 1/16 sec. cor. of secs. 20 and 21. No permanent monument established.
1989.27	Point for the N-S 1/64 sec. cor. of secs. 20 and 21. Set a stainless steel post, 28 ins. long, 2½ ins. diam., 23 ins. in the ground, in a collar of stone, with brass cap mkd. N-S 1/64 S 20 | S 21 2006 from which A Douglas fir, 29 ins. diam., bears S. 11¾° E., 31.9 ft. dist., mkd. NS1/64 S21 BT. A Douglas fir, 20 ins. diam., bears N. 87½° W., 26.2 ft. dist., mkd. NS1/64 S20 BT. Deposit a magnet in a white plastic case at the base of the stainless steel post. The corner is located approximately 1 ft., W. of the left bank of Hogum creek.
2155	The center line of Hogum Creek, 15 ft. wide, drains N. 44° W.
2455	The center line of Fizzleout Creek, 7 ft. wide, drains N. 57° W.
2590	The center line Hogum Creek Road, 12 ft. wide, bears S. 30° E. and N. 30° W.
2652.36	The ¼ sec. cor. of secs. 20 and 21, perpetuated by George J. Wenderoth, Douglas County Deputy Surveyor, in 1947, recorded per file C.S. 38/246-1, further perpetuated by Hans W. Theilsen, monumented with an iron post 2½ ins. diam., firmly set, projecting 8 ins. above the ground, with a brass cap mkd.

T. 32 S., R. 4 W., Willamette Meridian, Oregon

FEET

1/4
S 20 | S 21
T 32 S R 4 W
1959

from which bearing trees mkd. by Wendroth and reported by Theilsen

A Douglas fir, 35 ins. diam., bears S. 61° E., 11.9 ft. dist., with a healed blaze.

A sawed incense cedar stump, 34 ins. diam., bears N. 15° W., 33.7 ft. dist., with no visible marks. (Record, 40.3 ft.).

and a new bearing tree

A Douglas fir, 6 ins. diam., bears N. 10° W., 25.2 ft. dist., mkd. 1/4 S21 BT.

The iron pipe 1¼ ins. diam., set by Wenderoth, and projecting 4 ins. above the ground, is set alongside the iron post.

The original wood post is firmly set 9 ins. N. of the iron post, and projects 21 ins. above the ground, with scribe marks 1/4S visible on its W. face.

Subdivision of Section 10,
T. 32 S., R. 4 W., Willamette Meridian, Oregon

(Restoring the 1959 survey by Hans W. Theilsen)

From the N 1/16 sec. cor. of secs. 10 and 11, perpetuated by Tony Hostetter, Registered Land Surveyor No. 1975, in 2006, recorded in the Douglas County Surveyors Office per file M150-60, monumented with a iron post 2½ ins. diam., firmly set, projecting 5 ins. above the ground, with a brass cap mkd.

N 1/16
S 10 | S 11
T 32 S R 4 W
1959

from which bearing trees mkd. by Theilsen

A madrone, 17 ins. diam., bears S. 89½° E., 9.7 ft. dist., with a healed blaze. (Record, N. 87¼° E., 10.6 ft.).

A decayed Douglas fir stump, 18 ins. diam., bears N. 50¼° W., 19.0 ft. dist., with reverse scribe marks N1/16 S10 BT visible on an opened rotted blaze. (Record, N. 51° W., 20.5 ft.).

T. 32 S., R. 4 W., Willamette Meridian, Oregon

FEET	
	and bearing trees mkd. by Hostetter
	A Douglas fir, 25 ins. diam., bears S. 41¼° W., 24.8 ft. dist., with scribe marks S10 1/16 BT visible on open blaze.
	S. 89° 41' 59" W., on the E. and W. centerline of the NE¼ of sec. 10.
2625.76	The center N 1/16 sec. cor. of sec. 10, monumented with an iron post 2½ ins. diam., firmly set, projecting 9 ins. above the ground, with a brass cap mkd.
	C N 1/16 | S 10 C 1959
	from which bearing trees mkd. by Theilsen
	A Douglas fir, 25 ins. diam., bears N. 10° W., 16.5 ft. dist., with a healed blaze. (Record, N. 8° E.).
	A sawed madrone snag, 12 ins. diam., bears N. 85° W., 70.2 ft. dist., with a healed blaze. (Record, 69.3 ft.).
	and a new bearing tree
	A Douglas fir, 15 ins. diam., bears S. 65¾° E., 12.1 ft. dist., mkd. CN1/16 S10 BT.

Subdivision of Section 21,
T. 32 S., R. 4 W., Willamette Meridian, Oregon

	From the ¼ sec. cor. of secs. 21 and 28.
	N. 0° 58' 04" E., on the centerline of sec. 21.
1326.37	Point for the center S 1/16 sec. cor. of sec. 21. No permanent monument established.
2652.74	Point for the center ¼ sec. cor. of sec. 21, at intersection with the E. and W. center line.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, in a collar of stone, with brass cap mkd.
	T 32 S R 4 W C 1/4 S 21 2006
	from which
	A Douglas fir, 13 ins. diam., bears N. 86° E., 19.3 ft. dist., mkd. C1/4 S21 BT.

T. 32 S., R. 4 W., Willamette Meridian, Oregon

FEET	
	An incense cedar, 44 ins. diam., bears S. 3¼° W., 17.3 ft. dist., mkd. C1/4 S21 BT.
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
5307.44	The ¼ sec. cor. of secs. 16 and 21, perpetuated by the Douglas County Surveyor's Office in 1970, recorded per file C.S. 54/114, monumented with an iron post, 1¼ ins. diam., firmly set, top 4 ft. below the ground, with 2½ ins. diam. brass cap mkd. COUNTY SURVEYORS OFFICE T 32 S S 16 1/4 S 21 R 4 W 1970.
	The original remaining bearing trees are now obliterated. Only the southeast bearing tree remains, downed and moved from its original position.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 27 ins. in the ground, directly over the iron post, in a collar of stone, with brass cap mkd.
	T 32 S R 4 W S 16 1/4 —— S 21 2006
	from which new bearing trees
	A madrone, 12 ins. diam., bears S. 4° E., 59.7 ft. dist., mkd. 1/4 S21 BT.
	A Douglas fir, 11 ins. diam., bears S. 64¾° W., 37.4 ft. dist., mkd. 1/4 S21 BT.
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From the ¼ sec. cor. of secs. 21 and 22, perpetuated by Gregory D. Lang, Registered Land Surveyor No. 2295, in 1995, recorded in the Douglas County Surveyor's Office per file M122-46, and monumented with an iron rod, 5/8 in. diam., firmly set, projecting 5 ins. above the ground, with a plastic yellow cap mkd. LANG SURVEYING.
	from which the remains of an original bearing tree
	A decayed Douglas fir stump of indeterminate size, bears N. 55° E., 5.9 ft. dist., no marks visible.
	and bearing trees mkd. by Lang
	A Douglas fir, 11 ins. diam., bears N. 84¼° E., 37.4 ft. dist., with a healed double blaze.
	A Douglas fir, 10 ins. diam., bears S. 21½° E., 38.8 ft. dist., with a healed double blaze.

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FEET	
	A Douglas fir, 24 ins. diam., bears S. 54½° W., 25.0 ft. dist., with a healed double blaze.
	A Douglas fir, 9 ins. diam., bears N. 17½° W., 15.3 ft. dist., with a healed double blaze.
	And a tree with a locator tag with the name SCHWARTZ on it and dated February 12, 1968
	A Douglas fir snag, 54 ins. diam., bears N. 27¾° W., 24.1 ft. dist., no marks visible.
	At the corner point
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, directly over the iron rod, in a collar of stone, with brass cap mkd.
	T 32 S R 4 W 1/4 S 21 | S 22 2006
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	N. 89° 15' 27" W., on the E. and W. center line of sec. 21.
2765.42	The center ¼ sec. cor. of sec. 21.
4095.54	Point for the center W 1/16 sec. cor. of sec. 21.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, in a collar of stone, with brass cap mkd.
	W 1/16 C ——— C S 21 2006
	from which
	A Douglas fir, 15 ins. diam., bears S. 87¼° E., 12.3 ft. dist., mkd. CW1/16 S21 BT.
	A Douglas fir, 12 ins. diam., bears N. 3¼° W., 11.3 ft. dist., mkd. CW1/16 S21 BT.
	Deposit a magnet in a white plastic case at the base of the stainless steel post.
	From this corner, an iron pipe set by person(s) unknown, 1½ ins. diam., firmly set, projecting 25 ins. above the ground, bears N. 37° 58' 00" W., 27.10 ft. dist.
5425.66	The ¼ sec. cor. of secs. 20 and 21.

T. 32 S., R. 4 W., Willamette Meridian, Oregon

FEET	
	From the center W 1/16 sec. cor. of sec. 21.
	S. 0° 09' 06" W., on the calculated N. and S. center line of the SW¼ of sec. 21.
245	The center line of Fizzleout Road, 10 ft. wide, bears N. 78° E. and S. 78° W.
465	The center line of Fizzleout Creek, 12 ft. wide, drains S. 62° W.
1326.14	Point for the SW 1/16 sec. cor. of sec. 21, at its calculated position. No permanent monument established.
1989.21	Point for the center S-SW 1/64 sec. cor. of sec. 21, at its calculated position.
	Set a stainless steel post, 28 ins. long, 2½ ins. diam., 26 ins. in the ground, in a collar of stone, with brass cap mkd. S 21 C-S-SW 1/64 2006 from which A Douglas fir, 10 ins. diam., bears S. 10¾° E., 8.2 ft. dist., mkd. CSSW1/64 S21 BT. A Douglas fir, 4 ins. diam., bears N. 82¼° W., 13.8 ft. dist., mkd. X at breast height, BT at the base. Deposit a magnet in a white plastic case at the base of the stainless steel post.
	N. 89° 14' 19" W., on the calculated E. and W. center line of the SW¼ of the SW¼ of sec. 21.
95	The center line of a double track dirt road, 14 ft. wide bears, S. 40° E. and N. 40° W.
465	The center line of Hogum Creek, 15 ft. wide drains, N. 30° E.
970	The center line of a double track dirt road 10 ft. wide bears, N. 26° E. and S. 26° W.
1301.90	The S-S 1/64 sec. cor. of secs. 20 and 21.

T. 32 S., R. 4 W., Willamette Meridian, Oregon

FEET

GENERAL DESCRIPTION

The lands included in this survey are located approximately four miles East of the town of Azalea, Oregon. Access is gained by the way of U.S. Interstate No. 5, county roads, and BLM system roads. Elevations in the NE1/4 of section 10 range from about 2100 feet above mean sea level, to about 2940 feet above mean sea level. Elevations in section 21 range from about 1960 feet above mean sea level in the SE1/4 of the section, to about 2960 feet above mean sea level in the NE¼ of the section.

The soil in the area is generally composed of rocky clay. The area is drained by Hogum Creek, Fizzleout Creek, and Boulder Creek on the southwest side of the project area, which flow generally northwesterly into Cow Creek. Timber consists of fir, cedar, oak, chinquapin, alder, maple, and madrone, with undergrowth of, rhododendron, poison oak, blackberries, fern, salal, Oregon grape, evergreen huckleberry, vine maple, and native grasses.

The primary use of this area is for timber harvesting, with a few private residences in the SW¼ of section 21. The remnants of an old mining camp remain in the SW¼ of section 21, however no active mining or existing mineral deposits were noted along the lines of survey.