

Survey Of Portions Of Sections 33 and 34 T 21 S R 11 W, W. M.

Douglas County, Oregon

This survey was commenced in December 1958 and completed May 10, 1959.

During the course of this survey we had no opportunity to take solar observations for bearing. Therefore, we assumed a bearing of North based on a magnetic variation of  $20^{\circ} 00'$  E and checked each angle point with the compass bearing. The survey was run with a K and E transit, chain, and abney level.

I proceeded with this survey for the Western Lane Logging Company, of Reedsport, Oregon, as follows:

Starting at the  $\frac{1}{4}$  corner common to Section 34, T 21 S, R 11 W and Section 3, T 22 S, R 11 W, said point being marked by a  $1\frac{1}{4}$ " pipe and witnessed by a 57" spruce tree. This is the original bearing tree for Section 3. The face has grown closed, so I rescribed this tree in a different place. It is now a spruce 57" DBH, bearing S  $31^{\circ} 30'$  E, 47.3 ft. I, also, mark a forked Spruce 40" DBH, bears N  $70^{\circ} 00'$  W, 14.5 ft. This corner lays in a swamp 131.8 ft. South of the shoulder of the Dean Creek Road.

I run a random line Westerly to the South Section Corner common to Sections 33 and 34, T 21 S, R 11 W, W. M. said point being witnessed by a 36" Douglas fir, which is the original bearing tree. I find no trace of the willow found in 1893. I set a sandstone rock, 20" x 21" x 9", and mark it with an "X" for the corner point and scribe new Bearing Trees as follows:

Douglas fir 33" DBH, bears N  $42^{\circ} 15'$  E, 15.0 ft.  
Cherry 7" DBH, bears S  $36^{\circ} 30'$  E 10.5 ft.  
Douglas fir 35" DBH, bears S  $82^{\circ} 00'$  W, 58.5 ft.

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This corner lays on a North slope facing the Umpqua River, which I hit 1398.0 ft North at the North shoulder of the Umpqua Highway. I triangulate across the river to a point on a low spur ridge 1960.5 ft. away, and continue Northerly from there. I make a search for the Meander Post but find no evidence of it, nor do the distances fit the original notes.

I continue Northerly to a point 7, 137.7 ft. North of the Section Corner. I find no trace of the closing corner of 33 and 34. I, then, go to the witness corner for the  $\frac{1}{4}$  Corner to Sections 27 and 28 T 21 S, R 11 W, W. M. and run South retracing the original survey. I follow the calls of the notes to Butler Creek but cannot match them beyond this. I continue South a total of 2847.2 ft. to a point 1236.8 ft. E of the end of my random line North. This makes a total Northing of 10,015.7 ft. I find no trace of either the closing corner of Sections 33 and 34 or the South corner common to Sections 27 and 28, T 21 S. R 11 W, W. M.

Therefore, I go to the closing corner common to Sections 32 and 33, T 21 S, R 11 W, W. M. which is an angle iron set by Haines, from the original Bearing Trees. We mark additional trees for this corner as follows:

Spruce, 25" DBH, bears N 11° 00' W, 34.2 ft.  
Alder 35" DBH, bears S 24° 30' W, 47.1 ft. ✓

SEE ATTACHED LETTER

I run a random line East 1281.5 ft. to a point 32.2 ft. North of the South Corner common to Sections 28 and 29, T 21 S, R 11 W, W. M. said point being a post set by Haines and witnessed by the original Cedar Bearing Tree. I continue East from this point 4283.5 ft. to the end of my North random line but cannot find any trace of the closing corner 33 and 34, nor the S  $\frac{1}{4}$  corner of Section 28.

Then, I run a random line East to the Range line between Ranges 10 and 11 to a point 214.0 ft. N 0° 26' W of the Section Corner common to Sections 30 and 31, T 21 S, R 10 W said point being the apportioned distance for the Section Corner common to Sections 36 and 25, T 21 S, R 11 W, W. M. The corner common to Sections 30 and 31 is a US Brass cap set in 1919, and witnessed by the original Maple which is now 30" DBH and a snag stump of the alder. This point for Sections 36 and 25 is 700.2 ft South and 16,716.7 ft. E of the intersection of my random lines for position of the closing corner to Sections 33 and 34, T 21 S, R 11 W, W. M.

Then, I make my East-West proportion on the following basis:

South line of Section 28	79.20	record distance.
" " " " 27	79.28	" "
" " " " 26	80.44	" "
" " " " 25	77.23	proportioned

distance.

Note: I arrived at the distance of the S line of 25 by a proportion from South line of Section 36 as 89.36 Chains and North line of Section 25 as 80.80 Chains, an offset of 16.59 Chains.

Thus making a total of 316.15 chains or 20,865.9 ft. This is against a measured distance of 20,901.1 ft. The proportion, then, is as follows:

$$\frac{20,901.1}{20,865.9} = \frac{\text{proportioned distance to CC to Sec. 34}}{60.90}$$

Proportioned distance = 61.00 Chains or 4,026.0 ft.

My North-South proportion, then, is:

Section line 33 and 34 = 109.70 chains record distance.  
 Section line 27 and 28 = 40.00 chains record distance.

Thus, making a total of 149.70 chains or 9880.2 ft. This compares to a measured distance of 10,015.7 ft.

Proportion:

$$\frac{9,880.2}{10,015.7} = \frac{40}{X}$$

X = 40.55 chains or 2676.3 ft. South of the  $\frac{1}{4}$  Corner Sections 27 and 28.

Then I set the closing Corner for Sections 33 and 34, 2,676.3 ft South of the  $\frac{1}{4}$  Corner for Sections 27 and 28 and 4,026.0 ft. E of South Corner of Sections 28 and 29, T, 21 S, R 11 W, W. M. by driving a 1" iron rod and marking bearing trees as follows:

Douglas fir 32" DBH, bears S 39° 30' E, 58 ft.  
Douglas fir 23" DBH, bears S 65° 30' W, 25.7 ft.  
Douglas fir 12" DBH, bears N 19° 39' E, 40.7 ft. ✓

Then, the true line between Sections 33 and 34 is S 2° 00' E, a distance of 7343.8 ft.

I continue East 1207.0 ft. and set the closing Corner common to Sections 27 and 28 by driving a pipe and marking the following bearing trees:

Cedar 14" DBH, bears S 6° 00' E, 16.3 ft.  
Douglas fir 19" DBH, bears N 86° 00' W, 15.0 ft.  
Douglas fir 24" DBH, bears N 50° 30' E, 7.2 ft. ✓

Thus the S  $\frac{1}{2}$  of the true line between Sections 27 and 28 is S 4° 00' W. 2686.8 ft.

END OF SURVEY

Warren D. Hootman  
Oregon Surveyor #399

51/30d

# WARREN D. HOOTMAN

CONSULTING FORESTER AND SURVEYOR

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July 26, 1959

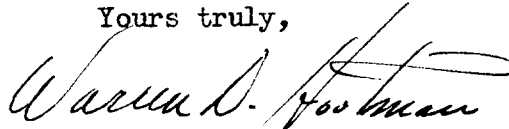
County Surveyor's Printing Dept.  
Douglas County, Oregon

Dear Sir:

Thank you for calling to our attention the omission of the direction in the bearing describing the C.C. common to Sections 32 & 33, T. 21 S., R. 11 W. It should read: Alder 35" DBH, bears S 24° 30' W., 47.1 ft.

Enclosed is a check to cover the charges for the 2 prints charged to my account.

Yours truly,



Warren D. Hootman

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DOUGLAS COUNTY, ORE.

C. S. File No. 51/30 E