



FILED

Date: 1/8/2002 By: JP

This survey consists of:

Map: M 139-29

Narrative: CS 65/41-1

Corner Rpt: _____

NARRATIVE FOR THE SURVEY TO
ESTABLISH ANGLE POINT NO. 344 OF THE
NORTH UMPQUA WILD AND SCENIC RIVER BOUNDARY DOUGLAS COUNTY
SURVEY PROJECT NO. 2000-3 SURVEYOR

LOCATION: This survey is located in Homestead Entry Survey No. 178 (H.E.S. 178), lot 6, section 20 and lots 7, 8, and 9, section 21, Township 26 South, Range 2 East, Willamette Meridian, Douglas County, Oregon.

FOR: This survey is performed at the request of the U.S.D.A., Forest Service, Umpqua National Forest, 2900 NW Stewart Parkway (P. O. Box 1008), Roseburg, Oregon 97470.

DATES: This survey was performed from July to November, 2001.

PURPOSE: The purpose of this survey is to establish Angle Point No. 344 of the federal North Umpqua Wild and Scenic River boundary, which is on the line between corners 2 and 3 of H.E.S. 178, and is to blaze and post the property line between private and National Forest System lands.

HISTORY OF PRIOR SURVEYS: The original Homestead Entry Survey No. 178 was performed in 1916 by Forest Service surveyor, Frederick W. Rase. The bearings were determined by solar observation.

From 1929 to 1930, G.L.O. transitman, Otto L. Draper, performed the subdivision of Township 26 South, Range 2 East, Willamette Meridian. He retraced the entire boundary of the homestead, for the creation of government lots for the fractional one-quarter one-quarter sections.

Douglas County Surveyor, Ben B. Irving, performed a survey of H.E.S. 178 (M12-40, and C.S. file no. 38/31) in 1945.

The U.S.D.A., Forest Service acquired a road easement through H.E.S. 178 in Instrument No. 184913 (Douglas Co. Deed Records, Vol. 236, Page 503) dated Sept. 10, 1954. The Forest Service terminated the easement in Instrument No. 90-08693 (Douglas Co. Deed Records, Book 1103, Page 19) dated May 23, 1990.

The Douglas County Surveyor's Office (D.C.S.O.) renewed 6 corners of H.E.S. 178 from original evidence in 1969. Corners 3 and 4 were monumented with brass caps in C.S. file no. 52/43.

Robert G. Dean, Oregon L. S. 1808, performed a survey of H.E.S. 178 (M98-20 and C.S. file no. 63/5) in 1985 under contract for the Umpqua National Forest. He monumented the obliterated corner 2 and posted the property line. The bearings were determined by solar observation.

From July to October 2001, the Forest Service retraced the H.E.S. 178 boundary and blazed and posted the property line following logging and fence construction on the private land. Corners 3 and 4 were renewed (C.S. file nos. 65/40-8 and 65/40-9).





PROCEDURE: The bearing (N. 74° 36' 42" W.) from corner 3 to corner 4 is the basis of bearings, based on survey map M98-20. The new corner is set as part of a closed traverse. The closed traverse between corners 2 and 3 has an error of closure of 1 in 19,000. The tie to corner 4 is part of a closed traverse around the H.E.S. 178 exterior, which has an error of closure of 1 in 6,600. The traverses are unadjusted.

I performed the survey with a Sokkia Set5 10-second electronic total station. I collected the data with a Sokkia SDR33. My assistants are Tim Schmid, Wendy Cherry, Terry Mack Jr., Mark Ellegood, Chris Sturman, and Katie Tobel. The field books and data are in project folder #2000-3 at the Umpqua National Forest Supervisor's Office.

On October 28, 1988, Congress added the North Umpqua River segment to the Wild and Scenic River System in Public Law 100-557. The written legal boundary description was approved by the Forest Service Regional Forester August 8, 2000. The official North Umpqua Wild and Scenic River boundary description is on file at the Supervisor's Office of the Umpqua National Forest.

The legal boundary description starting with Angle Point (AP) 343 is as follows: AP 343 "Corner 3 of H.E.S. 178"; from AP 343 to AP 344 "North 7° 28' 11" West on the east boundary of H.E.S. 178"; AP 344 "Intersection with the northerly edge of the road prism of Forest Service Road No. 4760-030"; from AP 344 to AP 345 "Easterly".

To apply the boundary description for this survey, I made the following determinations:

1. Though the Forest Service has abandoned Road No. 4760-030 through the private land of H.E.S. 178, I determine this is the road referred to in the description. Quad 5 of 5, a map that is a part of the official boundary description, shows this road as number 030. This is also the number shown on Primary Base Series "Illahee Rock, Oregon" quad map, 1989 provisional edition, and on the Forest Service Transportation System Update "Illahee Rock" map, dated 1989. These two maps are the Forest Service's most current.
2. The H.E.S. boundary line between corners 2 and 3 intersects the road in two locations. I determine the nearer intersection from corner 3 is the one intended in the boundary description, because the description's digitized distance of 80.16 feet fits this situation best.
3. Bearings and directional calls in the description, such as North 7° 28' 11" West and easterly, are determined to be subordinate to other certain descriptions, such as "on the east boundary of H.E.S. 178."
4. The description, "northerly edge of the road prism", is determined to be at the top of the road cut as it was at the time of signing the official description. The road cut was disturbed by recent fence construction last winter or spring, which obliterated and lowered the original road cut. Since this is after the signing date, I used the nearest evidence of the undisturbed top of the road cut on either side of the disturbance. These are connected as a straight line through the disturbed area to determine the original top of cut.



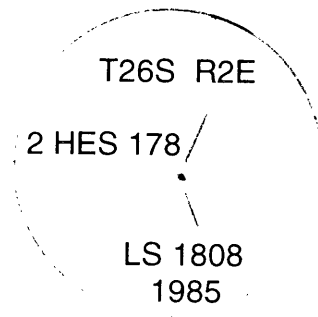


I establish Angle Point 344 at the intersection of the line between the found corners 2 and 3 of H.E.S. 178 with the original top of cut of Forest Service Road No. 4760-030.

The corner accessories were tied to from the control traverse and the bearings are rounded to the nearest 15 minutes based on S. 7° 24' E. for the line between corners 2 and 3. Bearing tree measurements are to the center of the rootcrown. The bearing tree diameters are at breast height.

CORNER MONUMENTS FOUND:

Corner 2, H.E.S. 178: I find a 2 ½” outside diameter aluminum post, firmly set in concrete, flush with a 3-foot diameter mound of stone, with a 2 ½” diameter magnetized aluminum cap attached and marked as shown below:



From which the bearing trees marked by Dean in 1985:

A 12” white oak bears N. 49° 45' E., 311.7 feet (95.01 m.) (record N.49°45'E., 311.7 feet), with a healed blaze.

A 22” Douglas fir bears S. 13° 00' E., 374.8 feet (114.24 m.) (record S.13°00'E., 374.8 feet), with a healed blaze.

From which I tie new accessories:

A found 6” diameter wood fence corner bears S. 88° 00' W., 0.7 feet (0.23 m.), projecting 5 feet above the ground, set in concrete.

A found telephone box bears N. 33° 30' W., 45.8 feet (13.95 m.), projecting 3 feet above the ground.

The corner is in the middle of Illahee Flats meadow under a new electric fence line.

Corner 3, H.E.S. 178: Corner is as described on C.S. file no. 65/40-8. Corner 3 is Angle Point 343 of the North Umpqua Wild and Scenic River boundary.

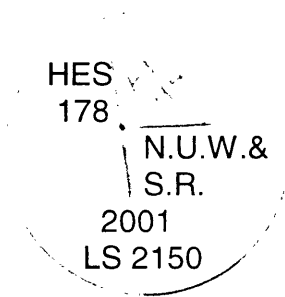
Corner 4, H.E.S. 178: Corner is as described on C.S. file no. 65/40-9. Corner 4 is Angle Point 342 of the North Umpqua Wild and Scenic River boundary.





CORNER MONUMENT SET:

Angle Point No. 344 of the North Umpqua Wild and Scenic River Boundary: At the intersection of the line from corner 2 to corner 3 of H.E.S. 178 and the original top of cut of Forest Service Road No. 4760-030, I set a 2 1/2" diameter aluminum post, 30" long, firmly set 20" in the ground, with a 4-foot diameter mound of stone raised flush with the top, with a 3" diameter magnetized aluminum cap attached, pre-stamped "U.S. DEPT. OF AGRICULTURE FOREST SERVICE UNLAWFUL TO DISTURB CADASTRAL SURVEY". I stamp the cap as shown below:



From which I mark new accessories:

A 16" Douglas fir bears N. 22° 30' E., 9.7 feet (1.43 m.). I scribe "AP344 BT" on a single blaze. I nail a 3/4" brass washer, pre-stamped "LS 2150", flush to the face of the blaze.

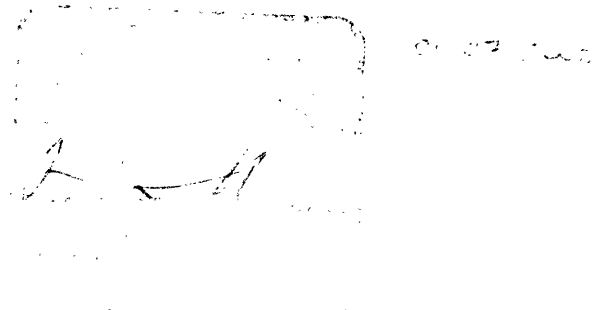
A found 6" diameter wood fence post bears S. 01° 15' E., 4.7 feet (2.96 m.), projecting 5 feet above the ground, set in concrete.

A found 6" diameter wood fence post bears N. 27° 30' W., 1.4 feet (0.43 m.), projecting 5 feet above the ground, set in concrete. I attach a Forest Service "Land Survey Monument" sign (#54-9) to the post.

This corner is at the top of the cut bank, approximately 5 feet northerly of a green metal gate on the dirt road and 1/2 foot easterly of a new 3-strand electric fence.

Leonard E. Herzstein
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(SEAL)



My Current Certificate
Expires June 30, 2003

