

## NARRATIVE

This survey was performed at the request of Loren Stout and Roger W. Williams, Forest Supervisor, Malheur National Forest. The purpose of this survey was to evaluate the corner evidence used to position the lines of the SE1/4SW1/4 of Section 17 and the NE1/4NW1/4 and the W1/2NW1/4 of Section 20, T16S, R28E, W.M. as shown on Survey No. 587. Several of the controlling corners for Survey No. 587 were determined to not represent the original corner positions. A ring count was done on the bearing tree at the NW corner of Section 20 and proved to be only 60 years from the time it was scribed. This made the corner position suspect. An examination of the evidence used to position the N1/4 corner of Section 20 proved to be inconclusive as did the evidence at the W1/4 corner of Section 17. The evidence found at the W1/4 of Section 20 is now gone and could not be verified. Therefore the scope of this survey changed to include the dependant resurvey of Sections 17 and 20 and the subdivision of these two sections to establish property lines of the above described tract that relies on the corner evidence accepted in this survey.

This survey was performed using static GPS receivers and an electronic total station. The bearings for this survey are based on the GPS survey. The GPS survey was made in NAD 83 State Plane Coordinates, Oregon North Zone. The state plane bearings were rotated clockwise 00°47'07" to true north near the SW corner of the NE1/4NW1/4 Section 20. All Bearings are relative to this local north meridian. Grid distances from the GPS survey were multiplied by the combined scale factor of 1.000190305. Random closed loop traverses were run on the perimeter of the private lands. The closures all exceeded 1:20.000.

At the NW corner of Section 20, I found an iron pipe monument set by Howard Perry. His corner record states that he found an unmarked stone of call size and a 36" pine bearing tree with an open face and visible scribing at record distance from the stone. The unmarked stone was accepted and re-monumented. I did a ring count on this bearing tree to determine the date it was scribed which dated the scribing at 1944. An old bearing tree tag on this tree was dated 1944 and I suspect the tree was scribed by the person who put the tag on the tree and the same person may have built the stone mound. The tag also says the corner is one chain distant, no bearing is given. The GLO call from the original bearing tree to the corner is 90 links. I contacted Sherman Anderson about this corner. Mr. Anderson recalled that he did not re-monument the corner position because he suspected the bearing tree was not original. Mr. Anderson told me of a similar situation in a nearby township where he found a bearing tree that later proved to not be the original, but rather an unrecorded bearing tree scribed by an unknown person. A search was made for any evidence of the original bearing tree and the original corner stone. No conclusive evidence of the original corner was found. I determined the corner to be lost. The iron pipe monument is not accepted for the section corner position. The corner position was determined by double proportion between the line tree to the north and the W1/4 corner of Section 20 one half mile south and the NW corner of Section 19 and the NE corner of Section 20.

At the W1/4 corner of Section 17, I found an iron pipe monument set by Sherman Anderson. His corner record states that he found an unmarked stone of call size and a rotten pine stump at record bearing and distance from the stone. He also states that the stone is record distance from the section corner to the south and from two line trees called for in the GLO notes. The unmarked stone was accepted and re-monumented. I examined the stone that was accepted and found no marks. The GLO record called the bearing tree an 18" pine. The rotten stump was 6" high and 6" in diameter. The remains indicated the tree was about 10" in diameter when it died. The monument is nearly record from the section corner to the south. I found the original line tree 26.60 chains south of this corner. I also found a dead and down pine tree that had a forest service attention sign attached that was 30 feet south and 10 feet west of the line tree. It appears that the tree with the sign was thought to be the original line tree by Mr. Anderson. A 36" pine tree was found near the position of the line tree called for 28.37 chains north of this corner. Although the tree was painted with red tree marking paint no hack marks were found to identify it as the original line tree. A search was made for evidence of the original bearing tree and the original corner stone. No conclusive evidence of the original corner was found. I determined the corner to be lost. The iron pipe monument is not accepted for the 1/4 corner position. The corner position was determined by single proportion between the original line tree 26.60 chains south and the NW corner of Section 17.

At the N1/4 corner of Section 20, I found an iron pipe monument set by Sherman Anderson. His corner record states that he found an unmarked stone of call size lying on the ground with two other stones and a dead and down pine at record bearing and distance from the stone. He also says that an old cruiser tag was found on the tree near the scribed face with scribing visible. The tree was accepted and the corner was monumented at record bearing and distance. I examined the stone at the corner and found no marks. The GLO record called the bearing tree a 24" pine. The tree that Mr. Anderson used was a 12" pine when it died. The tree fell toward the corner and the bark on the underside of the tree from the root crown to breast height was not disturbed. The tree had a scare that ran from the root crown up the tree 6 or 8 feet. The scar had started to grow over before the tree died but no scribing or axe marks were found. No conclusive evidence of the original corner was found. I determined the corner to be lost. The iron pipe monument is not accepted for the 1/4 corner position. The corner position was determined by single proportion between the NE and NW corners of Section 20.

A search was made for original corner evidence at the NW corner of Section 17 and the W1/4 corner and NW corner of Section 8 and the W1/4 corner and the NW corner of Section 5. No original evidence was found at these corners. The NW corner of Section 5 was established by single proportion between the S1/4 corner and the SE corner of Section 31, T15S, R28E, which were monumented during Survey No. 1011. The N1/4 and S1/4 corners of Section 18 were searched for but no evidence of the original corners was found. The NW and SW corners of Section 18 were established from original evidence, see corner monumentation records for details. The NW corner of Section 17 was established by double proportion between the NW corner of Section 5 and the line tree 66.60 chains to the south, and the NW corner of Section 18 and the N1/4 corner of Section 17.

At the S1/4 corner of Section 20, I found an iron pipe monument set by Howard Perry. His corner record states that no evidence of the original corner was found and that the corner was re—established at single proportion. I searched for evidence of the original but none was found. I accept the iron pipe monument for this corner position.

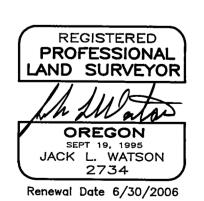
At the W1/4 corner of Section 20, I found an iron pipe monument set by Sherman Anderson. His corner record states that he found an unmarked stone of call size lying on the ground and a 28" dead and down pine out of its original position, scribed 1/4S19BT. He identified the root hole where the bearing tree came from, although he does not mention the relationship between the unmarked stone and the bearing tree root hole. The unmarked stone was accepted. I searched for the remains of the bearing tree that Mr. Anderson found but nothing remains. I accept the iron pipe monument for this

I examined the original corner evidence and accept the monumented positions of the following corners. Section 20: SW corner, SE corner, E1/4 corner and NE corner. Section 17: E1/4 corner and the N1/4 corner.

The interior corners of Sections 17 and 20 that were established in Survey No. 587 are not accepted because they were positioned from unacceptable control monuments. These corners were re—established using the corner positions described in this narrative and in accordance with the 1973 BLM Manual of Surveying Instructions. The lines of the private property were posted with steel fence posts and USFS boundary signs.

## **LEGEND**

	•	Found 2" iron pipe with attached brass cap, unless otherwise shown. Set by Sherman Anderson. See corner monumentation records for details.
	Ø	Found 2" iron pipe with attached brass cap, see Survey No. 587.
	<b>(</b>	Found 2½" aluminum pipe with attached aluminum cap, see Survey No. 1011.
	0	Set 2½"x30" aluminum pipe with attached 3½" aluminum cap. See corner monumentation records filed separately.
N	Ø	Set 3" brass cap with 3" stem grouted into bedrock. See corner monumentation records filed separately.
	( )	GLO record bearing and distance.
	1( )	Survey No. 587 record bearing and distance.
	2( )	Survey No. 1011 record bearing and distance.



CORNERSTONE SURVEYING, Inc. 233 S. Canyon Blvd., John Day, Oregon (541) 575-1813

> MAP OF SURVEY DEPENDENT RESURVEY SITUATED IN SECTIONS 17 AND 20 T16S, R28E, W.M.

GRANT COUNTY, OREGON SURVEYED FOR: **Loren Stout and Malheur National Forest** SURVEYED BY: Jack Watson July-September 2004 DRAWN BY: Jack Watson