

# A PORTION OF "JUG CADASTRAL"

## SUBDIVISION AND DETERMINATION OF FOREST BOUNDARY IN SECTION 7 T.5S., R.28E., W.M. MORROW COUNTY, OREGON.

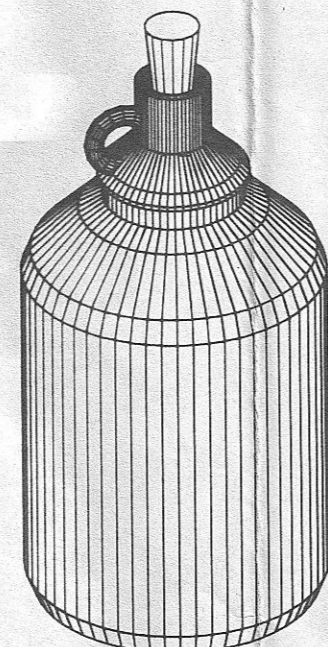
Survey by: Douglas M. Ferguson, P.L.S. 848  
D. Mitchell Ferguson, Surv. Tech.  
Rick Saul, Surv. Tech.

Reviewed by: Susan E. Newstetter, P.L.S. 2405

Drawn by: Kenneth H. Delano Jr., Surv. Tech.  
M. Chris Maynard

For: U.S.D.A. Forest Service  
Umatilla National Forest.

Reference: JUG Field Books 2 & 3



### HISTORY OF SURVEYS

1881 - Edward W. Sanderson conducted the original subdivision  
1882 and established the west boundary of T.5S., R.28E., W.M., under G.L.O. Contract Number 417.

1938 - Leonard Carter, GLO Public Land Surveyor, conducted a dependent resurvey along the west boundary and subdivision of T.5S., R.28E., W.M., authorized by letter "E" 1676465 dated March 8, 1938 and Special Instructions dated March 23, 1938, Group 228.

### NARRATIVE

This survey was performed under contract for the Umatilla National Forest for the purpose of marking and posting the Forest boundary in Section 7, T.5S., R.28E., W.M.

In order to perform this survey, the control survey was run through all of the controlling corners.

As noted in the History section for this map of survey a dependent resurvey was conducted in 1938 by Leonard Carter a GLO Public Land Surveyor along the west boundary and subdivision of this township. Along the range line, original evidence was recovered by Carter for all three corners along the west boundary of Section 7, however he made no mention of the two line trees Edward Sanderson established in 1882. Nor did Carter recover any of the subdivisional corners originally established by Sanderson around Section 7 and he re-established them by proportionate measurement.

I searched and recovered two record line trees (established by Sanderson in 1882) along the range line. At both recovered line trees I established witness corners, on line, and took 2 bearing trees to each line tree.

All lotting shown on my map of survey is based on the parenthetical distances determined from the GLO's 1938 plat. The 1/16 corner positions shown on the west boundary of Section 7 were determined at mid-point from the 1/4 and section corners and placed on the line determined by the appropriate recovered line tree.

The "Certified Record of Land Corner Monumentation" forms as referenced to this Map of Survey and the notes shown on the Map should be considered a substantial part of this Narrative as they contain the detailed information as to the evaluation of evidence and monumentation work performed.

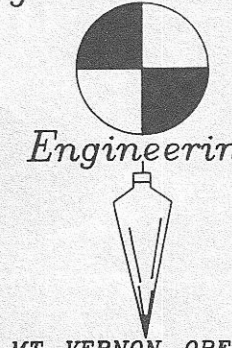
The basis of bearing for this survey was based on the positions of GPS points Jug 6 and Jug 7, established by the Umatilla National Forest in September 1991. The Umatilla National Forest provided me with the published Lambert positions (based on the 1983 State Plane Lambert/Oregon North Zone). I then reduced these positions to our local grid, utilizing the proper scale factors and bearing switch. A tie is shown to each of these GPS points from the nearest section corner. The published positions are identified at each GPS point.

### LEGEND

- Set 2-1/2" x 30" aluminum pipe with 3-1/2" aluminum cap, stamped as shown in the "Monumentation" Section
- Found monument of record, as described in the "History" and notes at each corner.
- ( ) Record bearing and distance as reported by Edward W. Sanderson in 1881-82 under G.L.O. Contract No. 417
- [ ] Record bearing and distance as reported by Leonard Carter in 1938-39 under Special Instructions dated March 23, 1938, Group 228.
- Exterior Section Lines
- - - Center Section Lines
- - - - Subdivisional Lines
- N.F.S.L. National Forest System Lands
- PVT. Private Land
- PVT. N.F.S.L. Marked Forest boundary with steel fence posts and Forest boundary signs at Maximum intervals of 300 feet.
- x-x-x Existing fence with long line showing direction
- ~ Existing road

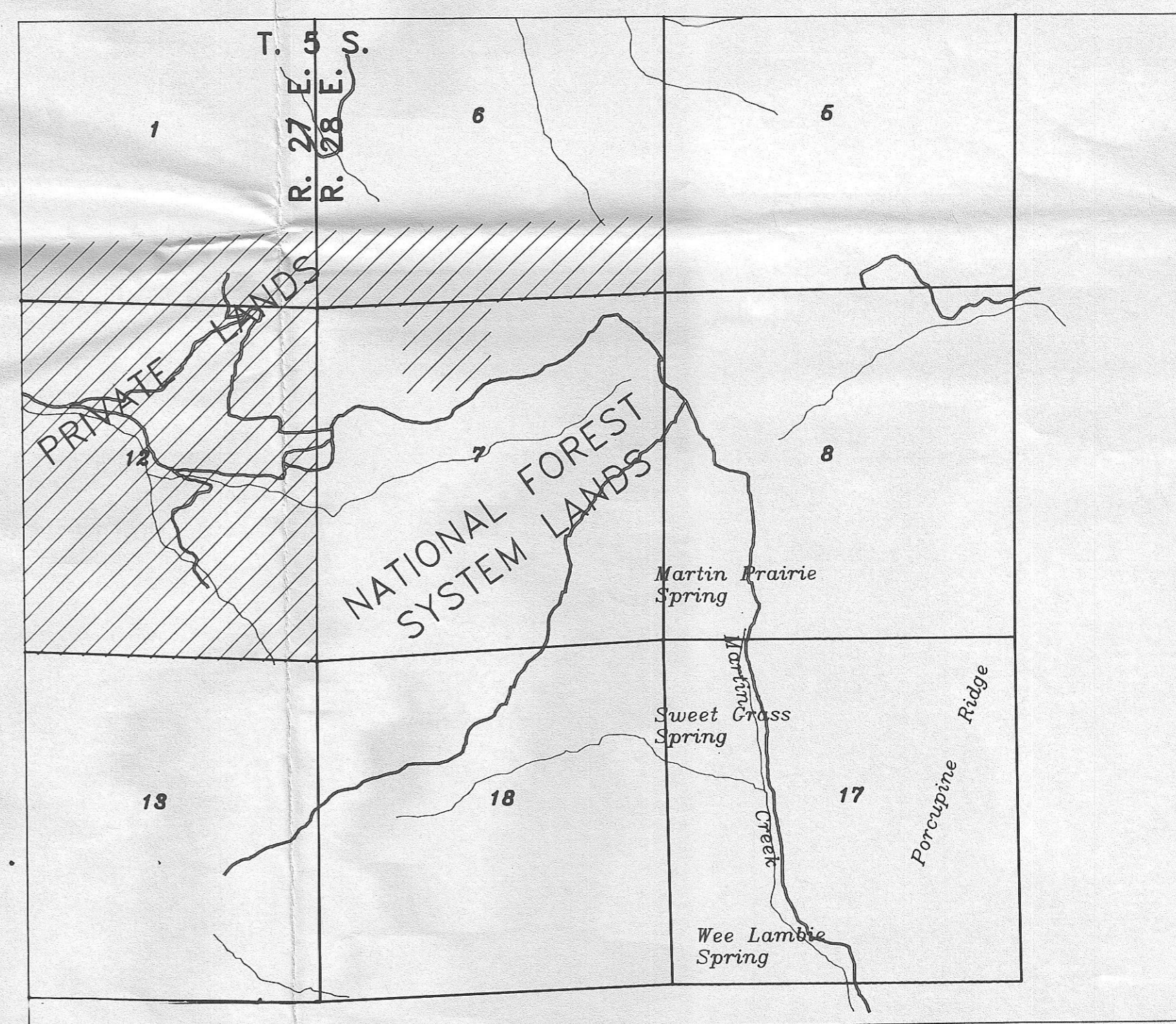
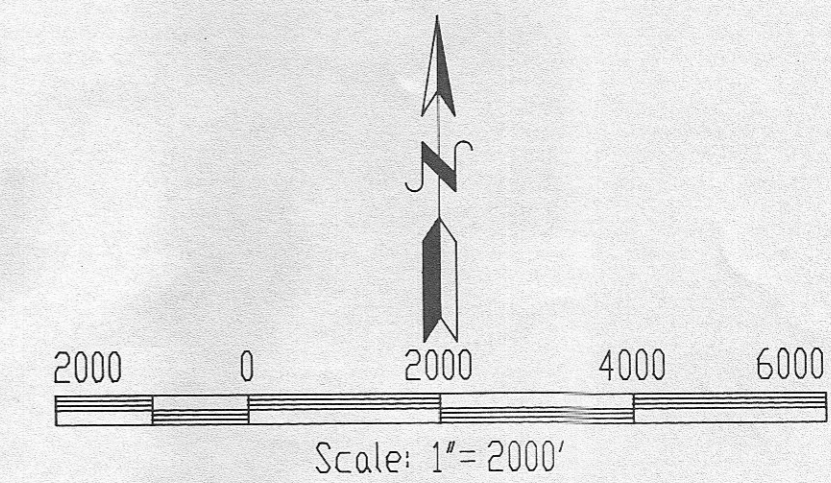
REGISTERED PROFESSIONAL LAND SURVEYOR  
OREGON JULY 12, 1968  
DOUGLAS M. FERGUSON 848

Ferguson Surveying



MT. VERNON, OREGON  
PHONE (503)932-4520  
FAX (503)932-4430

### VICINITY MAP



After all of the traverse loops were computed, balanced and adjusted, the coordinates were rotated to the bearing (on our local grid) between Jug 6 and 7.

Positional control for this survey was provided by a closed traverse network. A Lietz SDM3E semi-total station was used to obtain measurements and field set monuments from the survey control. An HP Vectra QS/20 (IBM compatible 386) utilizing Wildsoft software was used to perform the computations and the Map was prepared utilizing AutoCad v.10. Field notes and computations are on file in the office of Ferguson Surveying and Engineering, Mt. Vernon, Oregon 97865.

I, Douglas M. Ferguson, Registered Professional Land Surveyor, in the State of Oregon, hereby certify that this Map, notes and records hereon or referenced, are a correct representation of the survey I performed during the months of February-April 1992 for the U.S. Forest Service in accordance with the Statutes of the State of Oregon and the articles of my Contract Number 53-04R3-2-6.

*[Signature]*  
DOUGLAS M. FERGUSON, PLS 848  
President, Ferguson Surveying and Engineering

RECEIVED BY  
Morrow County Surveyor  
Date 7/9/92  
Rec'd by [Signature]  
No. C-938-E  
707-A

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE  
THIS 17<sup>TH</sup> DAY OF JUNE, 1992  
SIGNATURE *[Signature]*  
C.O.R.  
I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE UMATILLA NATIONAL FOREST  
SIGNATURE *[Signature]* DATE 6-18-92  
FOR FOREST SUPERVISOR