

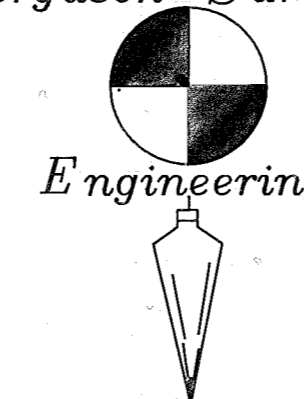
SUBDIVISION AND DETERMINATION OF FOREST BOUNDARY IN SECTIONS 26, 27, 33, 34 AND 35, T.11S, R.39E., W.M., BAKER COUNTY, OREGON.

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

Drawn by: Kenneth H. Delano Jr., Computer Specialist

For: U.S.D.A. Forest Service
Wallowa Whitman National Forest

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NARRATIVE

This survey was performed under contract for the Wallowa-Whitman National Forest for the purpose of marking the Forest boundary in T.11S., R.39E., Sections 26, 27, 33, 34 and 35.

In order to perform this survey the exterior lines of Sections 26, 27, 33, 34 and 35 were retraced and all controlling corners were occupied. Aside for the previously monumented corners noted in the History, extensive corner search was conducted for the following corners:

- 1/4 section corner S27
S34
- Section corner S27|S26
S34|S35
- 1/4 section corner S26
S35
- 1/4 section corner S33|S34
- 1/4 section corner S34|S35
- 1/4 section corner S33
S 4

However, the only evidence recovered was at 1/4 S33.
S 4

This evidence consisted of a dimly marked stone. Only after additional control survey tying this stone to the previously remonumented section corners one half mile east and west was I able to substantiate this stone's position. See the "Certified Record of Land Corner Monumentation" form for a full explanation concerning this corner.

Since no other evidence was recovered I was forced to re-establish the following corners by proportionate measure:

- 1/4 section corner S27
S34 Single proportionate measure from previously monumented corner one half mile west and the position determined by double proportion for the SE corner of S27, one half mile east.
- Section corner S27|S26
S34|S35 Double proportionate measure from previously monumented corners one half mile north; one mile east; one mile south; one mile west.
- 1/4 section corner S26
S35 Single proportionate measure from previously monumented corners one half mile east and the position determined by double proportion for the SW corner of S26, one half mile west.
- 1/4 section corner S33|S34 Single proportionate measure from previously monumented corners one half mile north and south.
- 1/4 section corner S34|S35 Single proportionate measure from previously monumented corner one half mile south and the position determined by double proportion for the NE corner of S34, one half mile north.

While retracing the north boundary of Section 26, I tied 1/4 section corner S23 and all accessories, as re-established by

the BLM in 1970 and discovered a discrepancy between the BLM record and the record of the original surveyor, Henry W. Cooke, that was not reported in the BLM field notes. While the BLM did return record bearing and distances to the original accessories they used to remonument this corner's position, my calculations show this was not possible. By holding record bearing and distance from each original bearing tree I find the corner position falls in two places approximately 5 feet apart. Somehow the BLM surveyors used some type of correction to resolve the differences and failed to report this in their notes. As my bearing and distances to the accessories established by the BLM in 1970 almost match exactly, I am confident of my procedures. While I wish the BLM surveyors had reported what type of method they used to rectify the differences between record and what they found on the ground, I do accept their monumented position.

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.

Positional control for this survey is 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. The basis of bearing was determined by solar observation to determine a true meridian through the center of the project. Field notes and computations are on file in the office of Ferguson Surveying and Engineering, Mt. Vernon, Oregon 97865.

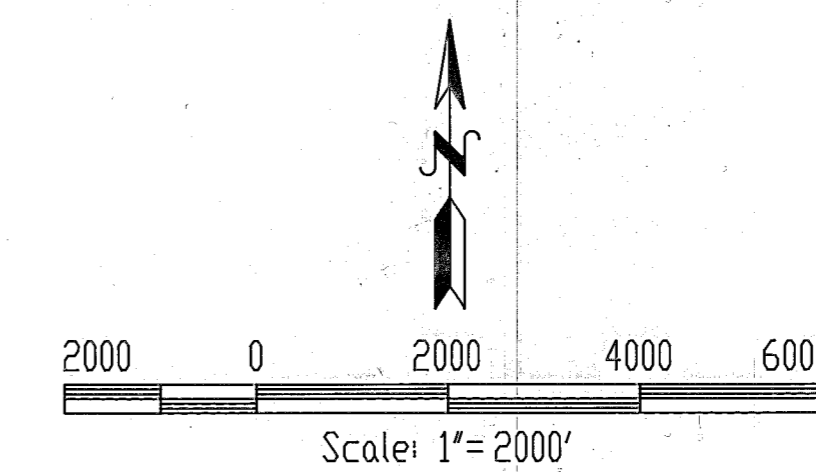
I, Douglas M. Ferguson, Registered Professional Land Surveyor in the State of Oregon, hereby certify that this Map, notes and records hereon or referenced, are a correct representation of the survey I performed during the months of June-October 1991 for the U.S. Forest Service in accordance with the Statutes of the State of Oregon and the articles of my Contract Number 53-04M3-9-03367.

DOUGLAS M. FERGUSON, PLS 848
President, Ferguson Surveying and Engineering

HISTORY OF SURVEYS
T.11S., R.39E., W.M.

- 1875 - The south boundary of the Township was originally surveyed by Henry Meldrum under General Land Office Contract No. 226
- 1881 - The Township was originally subdivided by Henry W. Cooke under General Land Office Contract No. 418
- 1970 - Peter A. Peterson, Albert Garrison and Owen C. Chatters, II, Cadastral Surveyors for the Bureau of Land Management (BLM) remonumented certain original corner points on the south boundary of the township and certain original section subdivisional corners, under Special Instructions dated May 3, 1957, Group No. 350.
- 1986 - William L. Hanley, PLS 1639 and William R. Wells, PLS 1108 conducted the Rancheria Cadastral Survey under contract with Wallowa-Whitman National Forest and remonumented S22|S23 from original evidence; re-established 1/4 section corners S26|S25 and S35|S36 by proportionate measure; and established the W 1/16 S23.
S26
Baker County Map of Survey No.'s 11-39-20 and 11-39-21.
- 1991 - Edwin A. Stryker, PLS 2060, remonumented 1/4 section corner S27|S26, from remaining original evidence and Bureau of Land Management accessories established in 1970.

VICINITY MAP



REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
DOUGLAS M. FERGUSON
848

FILED May 26 1992
BAKER COUNTY SURVEYOR
SURVEY NO. 11-39-110

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE
THIS 24th DAY OF April, 1992

SIGNATURE Jasper M. Sam
C.O.R.

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE
REQUEST OF THE WALLOWA WHITMAN NATIONAL FOREST

SIGNATURE R.M. Richmond DATE 4/27/92
FOREST SUPERVISOR