

BEAVER CADASTRAL

SUBDIVISION AND DETERMINATION OF FOREST BOUNDARY IN SECTIONS 21 AND 28, T.9S., R.35-1/2E., W.M., GRANT 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., L.S.I.T.

For: U.S.D.A. Forest Service
WALLOWA WHITMAN National Forest.

LEGEND

- ⊙ Monumented from original evidence. Set 2-1/2" x 30" aluminum pipe with 3-1/4" aluminum cap, stamped as shown in the "Monumentation" Section
- Set 2-1/2" x 30" aluminum pipe with 3-1/4" 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 returned by Eugene P. McCormack in 1882 under G.L.O. Contract No. 398.
- *{ } Record bearing and distance as returned by Herman D. Gradon in 1884 under G.L.O. Contract No. 499.
- () Record bearing and distance as returned by W.B. Barr in 1884 under G.L.O. Contract No. 492
- [] Record bearing and distance as returned by James W. Prochnau, PLS 1305 in 1982. See Grant County Map of Survey No.s 755, 759 and 760
- 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 Existing fence with long line showing direction
- Existing road

HISTORY OF SURVEYS

- 1882 - Eugene P. McCormack originally surveyed the west boundary of T.9S., R.35-1/2E., W.M. (Auxiliary Meridian) under General Land Office Contract No. 398.
- 1884 - W.B. Barr conducted the original subdivision of T.9S., R.35-1/2E., W.M., under General Land Office Contract No. 492.
- 1884 - Herman D. Gradon retraced the west boundary of T.9S., R.35-1/2E., W.M., while performing the original survey along the east boundary of T.9S., R.35E., W.M., under General Land Office Contract No. 499.
- 1974 - Lester E. Fischer, Cadastral Surveyor for the Bureau of Land Management, remonumented certain original corner points in T.9S. R.35-1/2E., W.M., under Special Instructions dated May 3, 1957, Group 350.
- 1982 - James W. Prochnau, P.L.S. 1305, conducted a dependent resurvey around the exteriors of Sections 21 and 28, T.9S., R.35-1/2E., W.M., while under contract with the Wallowa-Whitman National Forest (Gimlet-Olive Cadastral Survey). See Grant County Maps of Survey No.s 755, 759 and 760.

NARRATIVE

This survey was performed under contract for the Wallowa-Whitman National Forest for the purpose of marking and posting the Forest boundary in Sections 21 and 28, T.9S., R.35-1/2E., W.M.

In order to perform this survey, the control survey was run through all of the controlling corners. In addition where corner search was required, the exterior section lines were retraced to assure the footsteps of the original surveyor were being followed.

Extensive corner search was conducted for 1/4 section corner S21|S22 and 1/4 section corner S21. The following is a brief discussion about each search:

1/4 section corner S21|S22: During his 1982 survey, James W. Prochnau, PLS 1305, searched for this corner and failing to find any evidence, re-established it's position by single proportionate measure. As indicated by Mr. Prochnau's dependent resurvey and my current resurvey, W.B. Barr dropped approximately 10 chains along the east boundary of Section 21, making this section short of record by ≈684 ft. I was very uncomfortable with a single proportion in this situation, however, after several diligent searches at record positions from the previously recovered section corners north and south, I also failed to find any evidence and accepted Mr. Prochnau's proportioned position.

1/4 section corner S21: This particular corner was diligently searched for by this firm on four different occasions before recovery was made. As shown on this map of survey, W.B. Barr's record does not fit the physical evidence found on the ground. This is very typical of W.B. Barr, however it makes recovery of his corners very difficult. As shown on this map of survey, W.B. Barr's record to the range line is substantially different than what was actually found. After tying this recovered 1/4 corner and the north 1/4 corner previously found into our control survey and comparing it with the record some type of stubbing pattern emerges. It is my belief that Barr stubbed out the north and south 1/4 corners for Section 21 from the northeast and southeast section corners and did not close on the range line as he indicated in his field notes. Based on my survey for this particular project I cannot determine how Barr might have dropped 10 chains or if Barr actually surveyed north along the east boundary of Section 21, as he reported in his field notes, or if he actually surveyed south. More control survey and tying of previously found corners would be needed to unravel this mystery.

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 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.11. 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.

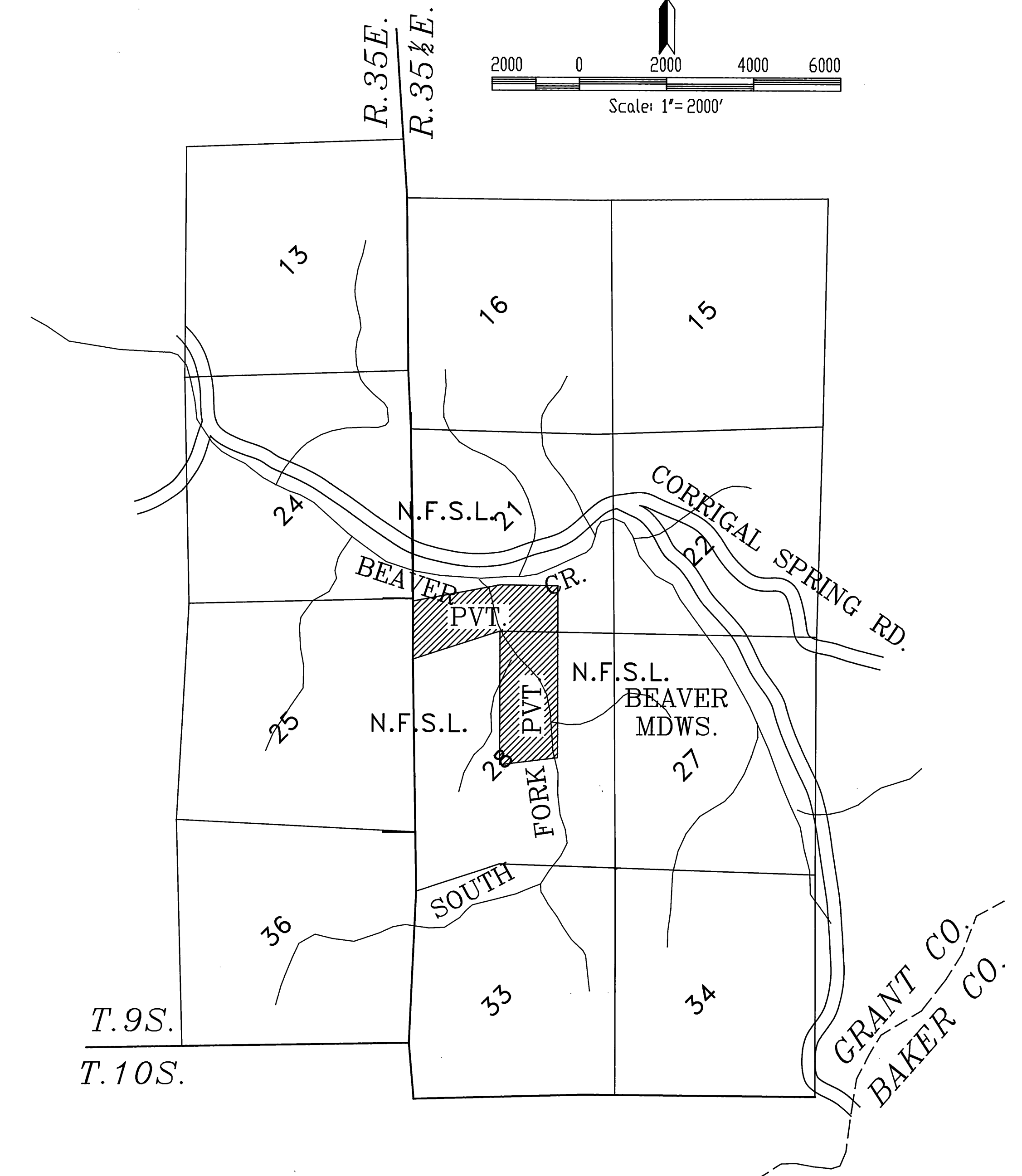
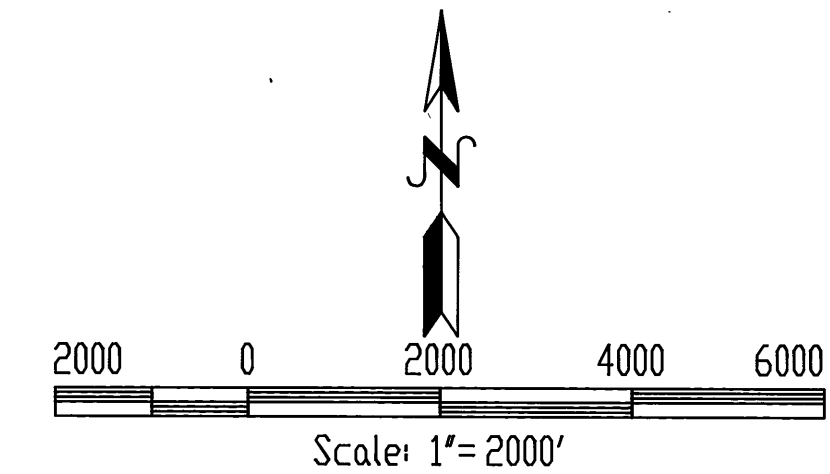
I, Douglas M. Ferguson, Registered Professional Land Surveyor, in the State of Oregon, hereby certify that this Map, notes and records hereon or reference, are a correct representation of the survey I performed during the months of September-November 1991 and April-July 1992 for the U.S. Forest Service in accordance with the Statutes of the State of Oregon and the articles of my Contract Number 53-04M3-1-0062.

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



Ferguson Surveying
Engineering
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VICINITY MAP



RECEIVED AND FILED

NOV. 30, 1992
OFFICE OF COUNTY SURVEYOR

Robert D. Baggett

ATTEST:

REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON
JULY 12, 1988
DOUGLAS M. FERGUSON
848
Expires 12-31-93

EXAMINED AND ACCEPTED FOR THE U.S. FOREST SERVICE
THIS Fifteenth DAY OF October, 1992

SIGNATURE James M. Lewis
C.O.R.

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE WALLOWA WHITMAN NATIONAL FOREST
SIGNATURE [Signature] DATE 11/9/92
FOREST SUPERVISOR