

Record of Survey

Greenhorn Cadastral Survey

Wallowa-Whitman National Forest

LEGEND

- Mineral Survey corner found, Corner Card filed separately with Wallowa-Whitman National Forest. (WWNF)
- Mineral Survey corner found and refurbished, as described in the Corner Record filed separately with the Baker County Surveyor and Corner Card filed separately with WWNF.
- Note: Typical monument material on Mineral Survey 555 is a 2 ins. diam. brass cap on a 2 ins. diam. galv. iron pipe and on Mineral Survey 998 is a 2 1/2 ins. diam. brass cap on a 2 3/4 ins. diam. iron post.
- Cadastral monument of record, not recovered this survey.
- ()₁ Record informational calls from MS 555, surveyed by August W. Mohr, approved April 12, 1905.
- ()₂ Record informational calls from MS 998, surveyed by Arthur D. Zierold, approved September 27, 1985.

Survey line Posted - USFS signs (////) NFSL side) and Blazed.

NFSL National Forest System Lands

REFERENCE MATERIAL

Deeds

n/a

County Surveys

Survey No. 10-35-30

Other Materials:

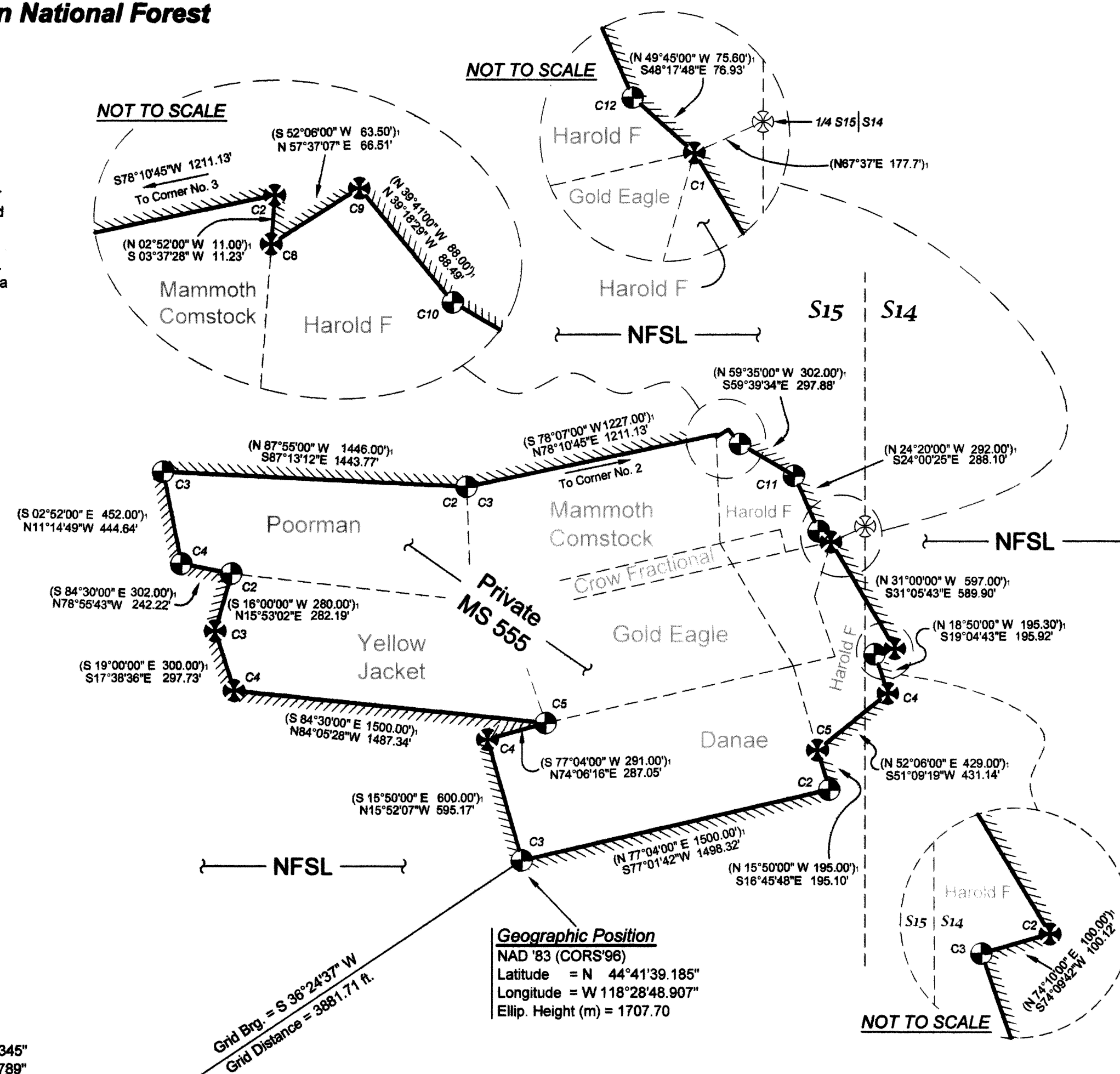
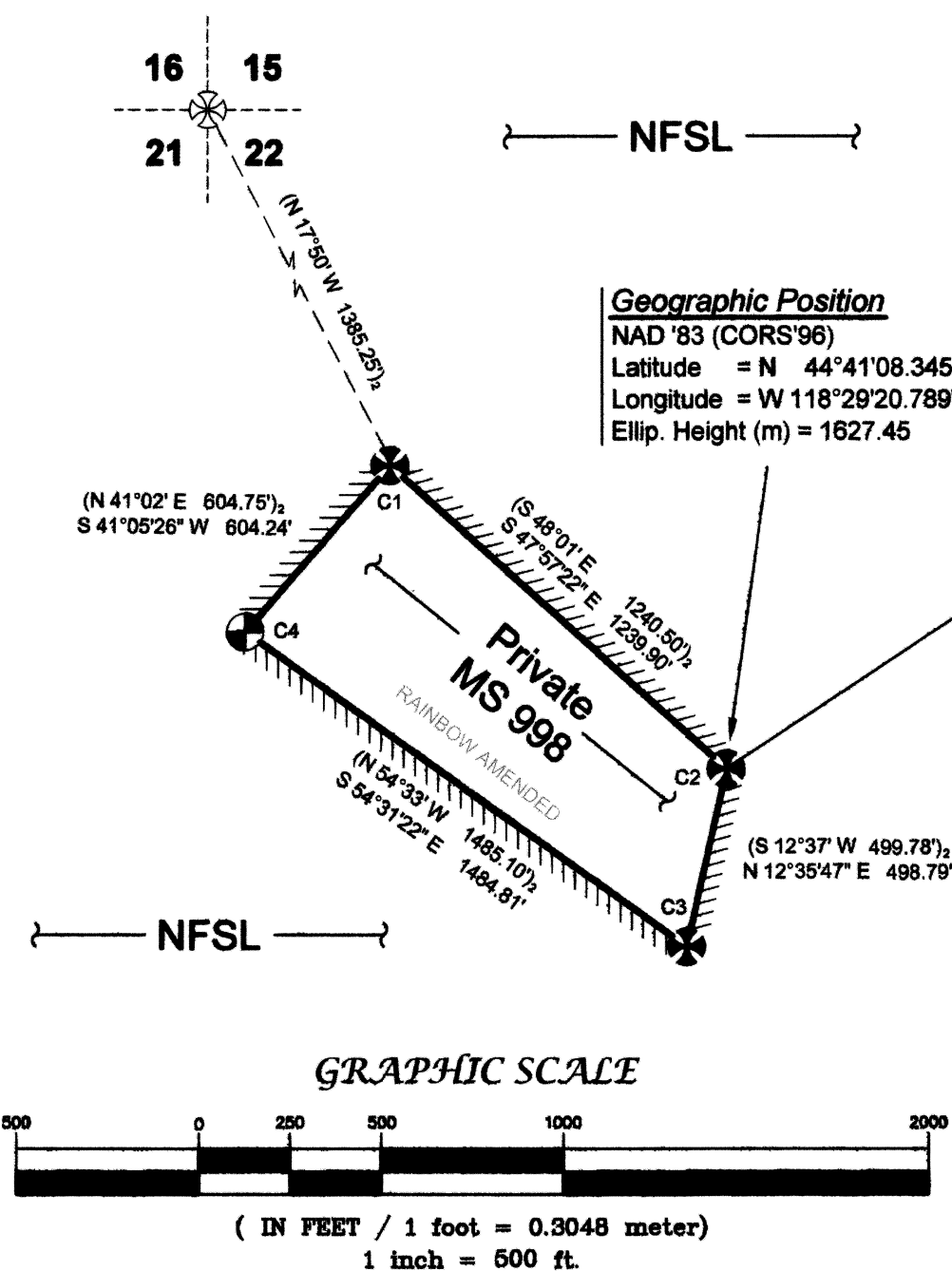
MS 998, surveyed by Arthur D. Zierold, approved 9/27/1985.

MS 555, surveyed by August W. Mohr, approved 4/12/1905.

Corner Records of the Baker County Surveyor.

BLM Master Title Plats (MTPs) and Historical Indices.

No Title Report provided or utilized in support of this survey.



F. S. ACCEPTANCE

Examined and approved for the U.S. Forest Service

this 17 day of February, 2010.

Ken Lind, COR.

I certify that this survey was performed at the

request of the Wallowa-Whitman National Forest Supervisor.

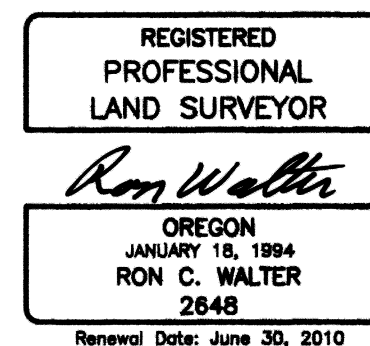
Signature Date 18 FEB 2010

NOTES

- On corners, shown hereon, requiring Corner Records be filed separately with the Baker County Surveyor, the following information applies:
- Record and measured distances to bearing trees are to the side center of tree unless noted otherwise.
- All bearing trees are painted with red bands and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.
- All new bearing trees have an aluminum nail side center for distance measurement.
- Bearings and distances to new bearing trees were measured using a Warren Knight staff compass with tripod, a logger's tape, a diameter tape and clinometer, or a Nikon Total Station from established control. Bearings to bearing trees at corners not needing new accessories were checked against the record with a hand compass. The project magnetic declination was determined to be 15 1/4° East using the National Geophysical Data Center web site.
- Corners controlling the National Forest Boundary, as shown herein, are posted with Property Boundary (54-2) signs, with a Land Survey Monument (54-9) sign on nearby post.
- Other controlling corners, as shown herein, are posted with a nearby Land Survey Monument (54-9) sign.
- Fence locations, if any, are described in Monument Records filed separately.

CERTIFICATE OF SURVEY

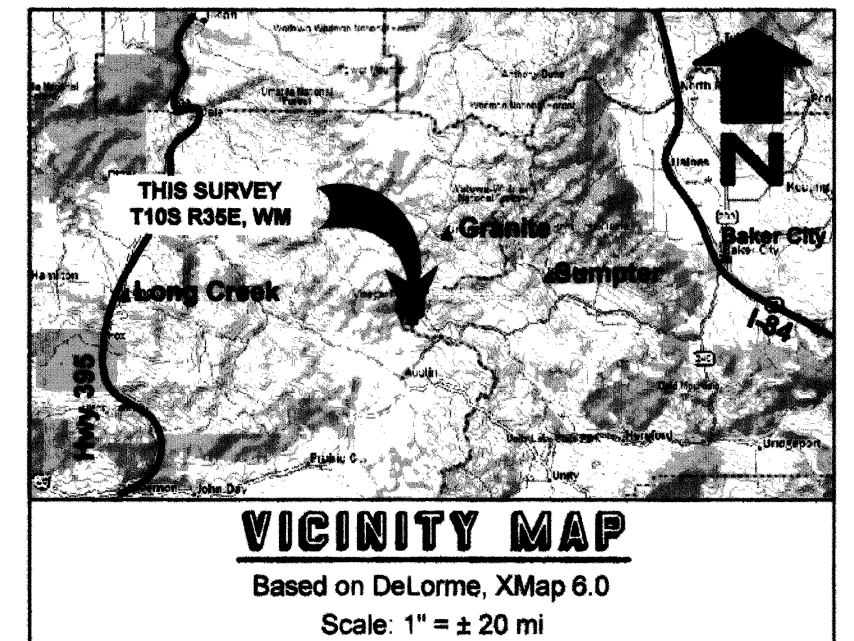
I, Ron C. Walter, L.S. No. 2648, State of Oregon, do hereby certify that the survey represented on this plat was performed by me or under my supervision in accordance with the laws of the State of Oregon, at the request of the U.S. Department of Agriculture, Forest Service.



FILED Feb. 24, 2010

BAKER COUNTY SURVEYOR

SURVEY NO. 10-35-230



NARRATIVE

Purpose:

This survey was performed under Wallowa-Whitman National Forest (WWNF) Contract No. AG-04M3-C-09-0018, dated May 26, 2009, with Notice to Proceed dated July 1, 2009. The Contracting Officer (CO) is Jane Stuessy. Ken Lind, L.S., USFS, was the Contracting Officers Representative (COR), and provided technical support and consultation. The purpose of the survey is to post and mark the boundaries of Mineral Survey 998 and Mineral Survey 555 within Wallowa-Whitman National Forest (WWNF). This contract does not include a Title Report or Title Research. The lines to post and mark are as delineated by WWNF within said contract.

History:

The subdivision of Township 10 South, Range 35 East, WM, OR, was originally surveyed by Herman D. Gradon, under GLO Contract dated August 19, 1881, approved May 14, 1881.

Mineral Survey No. 555 was originally surveyed by August W. Mohr, approved April 12, 1905.

Mineral Survey No. 998 was originally surveyed by Arthur D. Zierold, approved September 27, 1985.

Mineral Survey No. 555 was resurveyed by James H. Hambleton, as described by Survey No. 10-35-30, recorded November 30, 1973, in the records of the Baker County Surveyor.

Procedure:

This survey was performed as defined in the Department of Interior, Bureau of Land Management, Manual of Survey Instructions '73 (Manual), USFS Cadastral Survey Specifications and followed the "Standards and Guidelines for Cadastral Surveys using Global Positioning System Methods, Version 1.0, March 31, 2001, as adopted by the US DOI Bureau of Land Management and USDA Forest Service". Lines shown as Posted were posted with six foot galvanized channel posts with National Forest boundary signs attached, at intervals less than 250 feet.

This survey was performed by a combination of NAVSTAR GPS and conventional ground survey methods. Dual frequency carrier-phase receivers were used to establish control and monument positioning. A Total Station (3 sec. angular, 2mm+2ppm EDM) and data collector were utilized for conventional ground surveys. All monumented positions are within closed GPS networks, a conventional closed traverse, or with benefit of redundant measurements. Trimble Geomatics Office software was used for least squares adjustment, at the two sigma level, of survey data.

The geographic position shown hereon was derived by static GPS methods and is controlled by observation data uploaded to the U.S. National Geodetic Survey (NGS) Online Positioning User Service (OPUS), which utilized Continuously Operating Reference Stations (CORS'96, epoch 2002): REDMOND (REDM), SENECA 2 (ORS2) and IDAHO DOT (IDTD).

Basis of Bearing:

The Basis of Bearing is the true meridian and was derived from GPS observations. Plane Coordinates were calculated on a false meridian, and zero convergence angle, at Danae corner 3 of Mineral Survey 555, and then converted to ground bearing and distances with a project scale factor of 1.0002740342.

Record of Survey

Wallowa-Whitman National Forest

LOCATED WITHIN
MS 998 and MS 555
Sec. 14, 15 and 22, T10S, R35E
Willamette Meridian, Baker County, Oregon

Wallowa Associates
303 S.E. Alamo Street
Enterprise, Oregon 97828
(541) 426-9049

SCALE 1" = 500'	SHEET No. 1 of 1	DATE OF SURVEY Beginning: 7/9/09 Ending: 7/16/09
DRAWN BY KLP	CHECKED RCW	PROJECT No. WA E092-01/1923
DATE 11/2/2009		