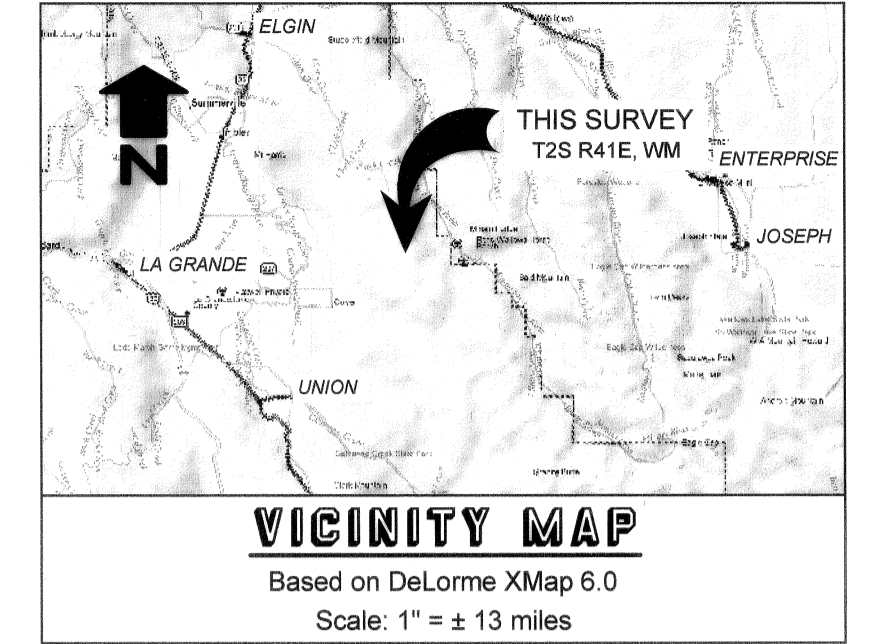
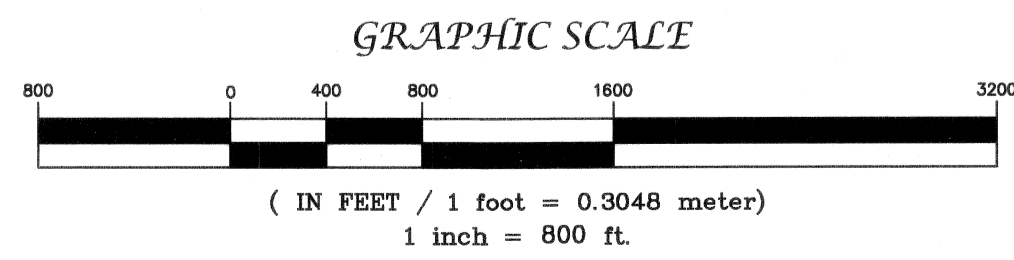
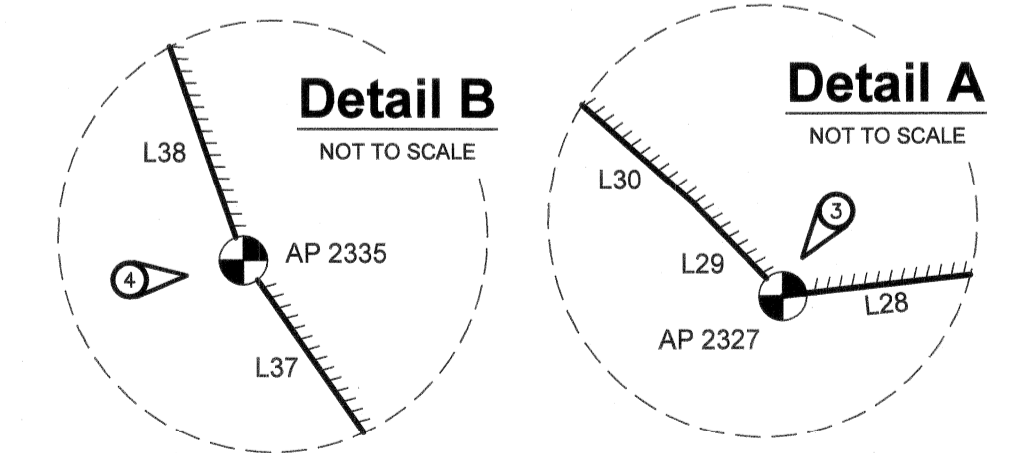
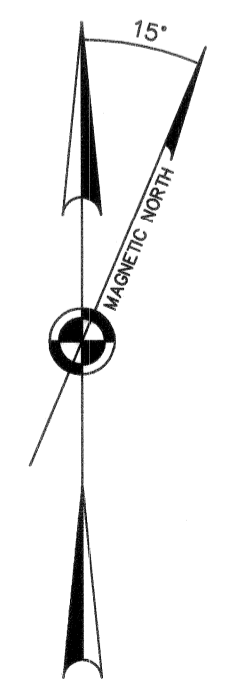
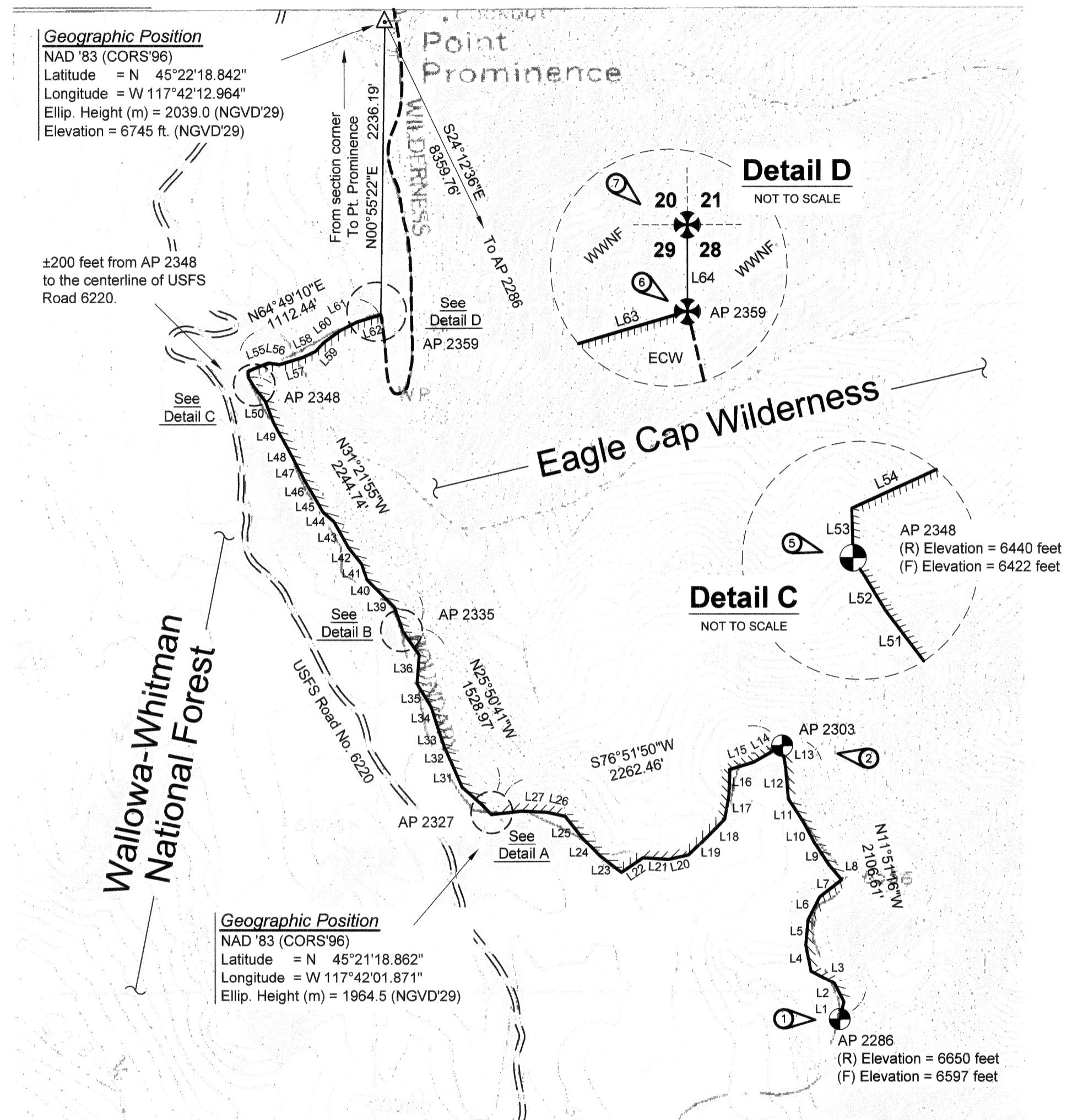


Record of Survey

Point Prominence/Eagle Cap Wilderness Boundary Wallowa-Whitman National Forest

LINE TABLE		
LINE	LENGTH	BEARING
AP 2286		
L1	134.28	N13°20'19"E
L2	158.80	N27°18'27"W
L3	200.40	N61°53'30"W
L4	198.54	N11°09'59"W
L5	190.20	N05°14'41"E
L6	192.52	N27°10'24"E
L7	209.23	N52°26'48"E
L8	146.62	N39°53'40"W
L9	194.22	N33°21'15"W
L10	180.20	N28°00'04"W
L11	214.24	N32°55'58"W
L12	233.00	N05°06'54"W
L13	168.56	N08°14'44"W
AP 2303		
L14	250.39	S60°00'23"W
L15	189.84	S73°07'06"W
L16	199.19	S01°52'33"W
L17	176.07	S10°33'48"W
L18	212.94	S45°03'21"W
L19	174.47	S45°42'06"W
L20	150.66	S77°36'59"W
L21	196.78	N86°43'34"W
L22	195.97	S56°23'09"W
L23	201.63	N52°34'33"W
L24	199.86	N44°02'11"W
L25	202.21	N38°30'03"W
L26	140.77	N77°28'33"W
L27	192.73	N86°52'41"W
L28	230.17	S83°40'28"W
AP 2327		
L29	96.77	N44°00'04"W
L30	207.80	N48°33'53"W
L31	196.53	N23°29'47"W
L32	124.23	N24°29'00"W
L33	171.14	N18°51'35"W
L34	159.32	N17°26'04"W
L35	203.08	N31°27'50"W
L36	215.90	N04°28'40"E
L37	211.56	N35°02'40"W
AP 2335		
L38	196.79	N19°10'03"W
L39	145.27	N45°28'22"W
L40	147.09	N45°21'35"W
L41	128.75	N18°15'09"W
L42	158.86	N39°08'51"W
L43	222.38	N29°11'59"W
L44	107.03	N49°22'36"W
L45	129.83	N30°31'26"W
L46	144.60	N30°28'56"W
L47	160.76	N27°52'37"W
L48	134.88	N27°52'36"W
L49	207.63	N28°23'27"W
L50	166.42	N21°10'10"W
L51	152.55	N37°22'38"W
L52	69.63	N31°21'21"W
AP 2348		
L53	44.33	N01°39'11"W
L54	52.81	N65°33'08"E
L55	113.56	N68°40'06"E
L56	85.93	S81°46'15"E
L57	185.26	N72°28'14"E
L58	103.57	N65°22'32"E
L59	88.25	N43°26'29"E
L60	159.05	N53°18'40"E
L61	143.66	N62°52'08"E
L62	137.94	N73°05'11"E
L63	52.29	N73°58'51"E
AP 2359		
L64	75.06	N00°00'27"W

Section Corner 20-21-28-29



- LEGEND**
- Positioned in compliance with the Eagle Cap Wilderness Boundary Description and Public Law documents 98-328, 92-521 and 88-577. Set a 3/4" aluminum cap on 2 1/2" diam. by 30" long aluminum pipe, with clear DEEP-1 magnet at base or a 3/4" aluminum cap on 3/4" diam. by 30" long aluminum drive rod with DEEP-1 magnet in bottom of concrete filled drill hole.
 - Cadastral monument of record recovered this survey.
 - Survey line Posted (Wilderness Boundary (27-6A) signs) and Blazed.
 - Existing Tri-station used for elevation control.
 - Gravel Road (NFS Road No. 6220)
 - Graphical depiction of previously surveyed Wilderness Boundary.
 - See corresponding corner note
 - (R) Record (F) Found
 - AP Angle Point

F. S. ACCEPTANCE
Examined and approved for the U.S. Forest Service
this 30 day of January, 2012.
Ken Lind, COR.
I certify that this survey was performed at the request of the Wallowa-Whitman National Forest Supervisor.
Marion J. Johnson 2-1-2012
Signature Date

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.
Ron Walter 1-30-12
Signature Date

- SHEET INDEX**
- SHEET 1 - Record of Survey
 - SHEET 2 - Corner Records
 - SHEET 3 - Narrative, Notes and Reference Material.

REGISTERED PROFESSIONAL LAND SURVEYOR
Ron Walter
OREGON
JANUARY 18, 1994
RON C. WALTER
2648
Renewal Date: June 30, 2012

UNION COUNTY SURVEYOR
Date Received 2/3/12
Date Filed 2/3/12
By *P. Robinson, Deputy*
File No. 005-2012

Record of Survey
Wallowa-Whitman National Forest

LOCATED WITHIN
Point Prominence / Eagle Cap Wilderness Boundary
Through Portions of Sections 28, 29 and 33, T2S, R41E
Willamette Meridian, Union County, Oregon

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

SCALE 1" = 800'	SHEET No. 1 of 3	DATE OF SURVEY Beginning: 9/20/2011 Ending: 10/1/2011
DRAWN BY KLP	CHECKED RCW	PROJECT No. WA 1091-05/2131wnf
DATE 1/2012		

Record of Survey

Point Prominence/Eagle Cap Wilderness Boundary Wallowa-Whitman National Forest

NARRATIVE

Purpose:

This survey is an administrative survey within the boundary of the Wallowa-Whitman National Forest (WWNF). This survey was performed under WWNF Task No. AG-04M3-D-11-0067, dated September 6, 2011, with Notice to Proceed dated September 9, 2011. Ken Lind, USFS, was the Contracting Officers Representative (COR), and provided technical support and consultation. The purpose of the survey is to post and mark portions of Eagle Cap Wilderness Boundary. 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 legal description of the Eagle Cap Wilderness is as shown on the map dated September 1986 on file in the office of the Chief of the USDA Forest Service, as generally described in Public Law documents 98-328, 92-521 and 88-577. Section Corner 20, 21, 28 and 29, Township 2 South, Range 41 East, OR, WM, was perpetuated and AP 2359 was set by Ronald E. Stoll, LS 2058, as described by Survey No. 052-1998, filed December 18, 1998, in the records of the Union County Surveyor.

Procedure:

This survey is controlled by the documents listed above. The vertical datum is the National Spatial Reference System (NSRS) NGVD 1929 ('29), and is defined by Bench Mark (BM) Point Prominence, with a '29 record elevation of 6745 feet. Additionally, general field procedures and methods were done with reference to the Department of Interior, Bureau of Land Management, Manual of Survey Instructions (Manual), USFS Cadastral Survey Specifications, Oregon Revised Statutes (ORS), 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 Wilderness Boundary (27-6A) signs attached, at intervals generally less than 200 feet.

Eagle Cap Wilderness Boundary legal description calls top of bluff of Little Minam River from Angle Point (AP) 2286 to AP 2348. This survey finds the top of distinct easterly bluff between AP 2286 to AP 2303 and AP 2327 to AP 2348. Between AP 2303 and AP 2327 a well defined bluff does not exist. This survey holds the general legal description record calls in this area compatible with the boundary shown on quadrangle from said legal description.

This survey was performed by the Global Navigation Satellite System (GNSS) GPS. All monumented positions are within closed GPS networks and 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 positions shown hereon were derived by static GPS methods and are 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); ENTERPRISEOR2007 (P372), GRANGEVILLE APT (IDNP), AND MCCALLAIR_ID2007 (P023).

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 the Angle Point 2327, and then converted to ground bearing and distances with a project scale factor of 1.0003074800.

NOTES

1. The USFS Road No. 6220 shown hereon has been surveyed where it approaches the boundary line. The continuation of this as shown hereon is digitized from Google Earth and DeLorme Xmap 6.0 and is shown for informational purposes only.
2. Six foot galvanized channel posts with Wilderness Boundary (27-6A) signs are set at the end of every line shown in the Line Table, unless monumented.
6. 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. 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° East using the National Geophysical Data Center website.

REFERENCE MATERIAL

County Surveys:

Survey No. 052-1998
Survey No. 023-2010

Other:

Eagle Cap Wilderness Boundary description, dated 1986.
Public Law No. 88-577
Public Law No. 92-521
Public Law No. 98-328
Corner Records filed with the Union County Surveyor

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Ron Walter
OREGON
JANUARY 18, 1994
RON C. WALTER
2648

Renewal Date: June 30, 2012

UNION COUNTY
SURVEYOR

Date Received 2/3/12


Date Filed 2/3/12

By R. Robinson, Deputy

File No. 005-2012

Record of Survey Wallowa-Whitman National Forest

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Through Portions of Sections 28, 29 and 33, T2S, R41E
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SCALE n/a	SHEET No. 3 of 3	DATE OF SURVEY Beginning: <u>9/20/2011</u> Ending: <u>10/1/2011</u>
DRAWN BY KLP	CHECKED RCW	PROJECT No. WA 1091-05/2131wnf
DATE 1/2012		

County Survey No. 005-2012