

# Control Network Survey

## North Fork Umatilla Wilderness Boundary

Sections 22, 28, 29, 31 & 32, Township 3 North, Range 38 East; Sections 35 & 36, Township 3 North, Range 37 East; and Sections 2 & 3, Township 2 North, Range 37 East, all of the Willamette Meridian, Umatilla & Union Counties, Oregon

### NARRATIVE

#### Purpose:

This survey is an administrative survey within the boundary of the Umatilla National Forest. This survey was performed under Wallowa-Whitman National Forest Task Order No. 1204M319F0041, dated April 26, 2019, with Notice to Proceed dated June 1, 2019, also known as the High Buck Wilderness Project. Ken Lind and Robert Moyers, USFS, were the Contracting Officer Representatives (CORs), and provided technical support and consultation.

The purpose of the survey is to post and mark four separate portions of the North Fork Umatilla Wilderness Boundary. The lines to post and mark are as delineated by Wallowa-Whitman National Forest within said contract, and defined by the North Fork Umatilla Wilderness description as: "where following a topographical feature, the actual location of the feature will control the approximate course identifying that part of the boundary. Unless specified in the description, calls to a stream shall be to the thread and calls to a ridge shall be to the crest. Section, Township, and Range lines, and Section corners established by the United States Public Land Survey, shall determine the actual location of these portions of the boundary so described." This contract does not include a Title Report or Title Research.

#### History:

The legal description of the North Fork Umatilla 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.

The vertical datum listed on the USGS quadrangle map used to depict the Wilderness Boundary in the Legal Description is shown as the National Geodetic Vertical Datum of 1929 (NGVD 29).

#### Procedure:

David A. Schlaich provided horizontal and vertical control for a portion of the North Fork Umatilla Wilderness, per Umatilla County Survey 94-06-B (CS 94-06-B). The horizontal datum of CS 94-06-B is NAD 83 (1991).

The vertical datum of CS 94-06-B was not specified. After reviewing CS 94-06-B, I note that the survey was "constrained vertically (orthometric height) using points 9318 (Eccentric to BM W-514), 9319 (BM T-279) and 9320 (Eccentric to BM 3096-16)." I reviewed the National Geodetic Survey (NGS) Data Sheet for Bench Mark T-279, which states that the North American Vertical Datum 1988 (NAVD 88) orthometric height is 1514.656 meters.

Using the NGS Height Conversion Program VERTCON, I convert the said 1514.656 meters (NAVD 88) to 1513.400 meters (NGVD 29). Schlaich reports the Orthometric height for said BM T-279 to be 1513.388 meters, which is a difference of 0.012 meters, or 0.04 feet, from the NGS Data Sheet height of 1513.400 meters. Therefore I reason the vertical data of CS 94-06-B to be NGVD 29.

The control network shown hereon was conducted using static GPS observations on GPS Control Points 9315 and 9317, per CS 94-06-B, and newly established GPS Control Points 150 and 151. I held the record CS 94-06-B latitudes and longitudes for 9315 and 9317 as fixed positions horizontally, and I held the record CS 94-06-B Orthometric height for 9317 as fixed vertically.

This survey was performed by the Global Navigation Satellite System (GNSS) GPS, and conventional ground survey methods. Dual frequency carrier-phase GNSS receivers were used to establish control. A Nikon DTM-522 Total Station was used for conventional ground surveys. All monumented positions are within closed GPS networks, a conventional closed traverse, and with benefit of redundant measurements. Trimble Business Center software was used for least squares adjustment, at the two sigma level, of survey data.

The latitudes and longitudes shown hereon were derived by static GPS methods, and are controlled by GPS Control Points 9315 (WHITMAN) and 9317 (SCHLAICH), per CS 94-06-B.

#### Basis of Bearing:

The Basis of Bearing is the True Meridian and was derived from GPS observations. Local plane coordinates were calculated on a false meridian, and zero convergence angle, at GPS Control Point 9317, and then converted to ground bearing and distances with a project scale factor of 1.0002310723.

Be advised this mapping, and digital copy of the same, are protected by contract stipulations of product ownership and copyright laws.

### SHEET INDEX

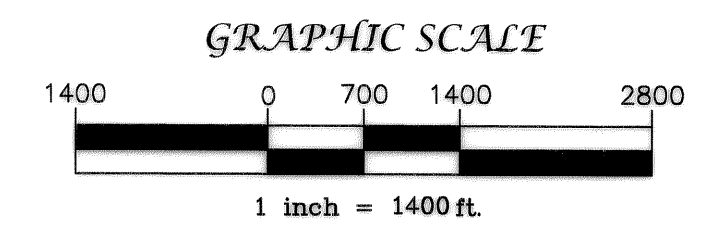
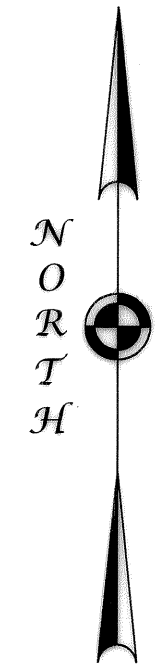
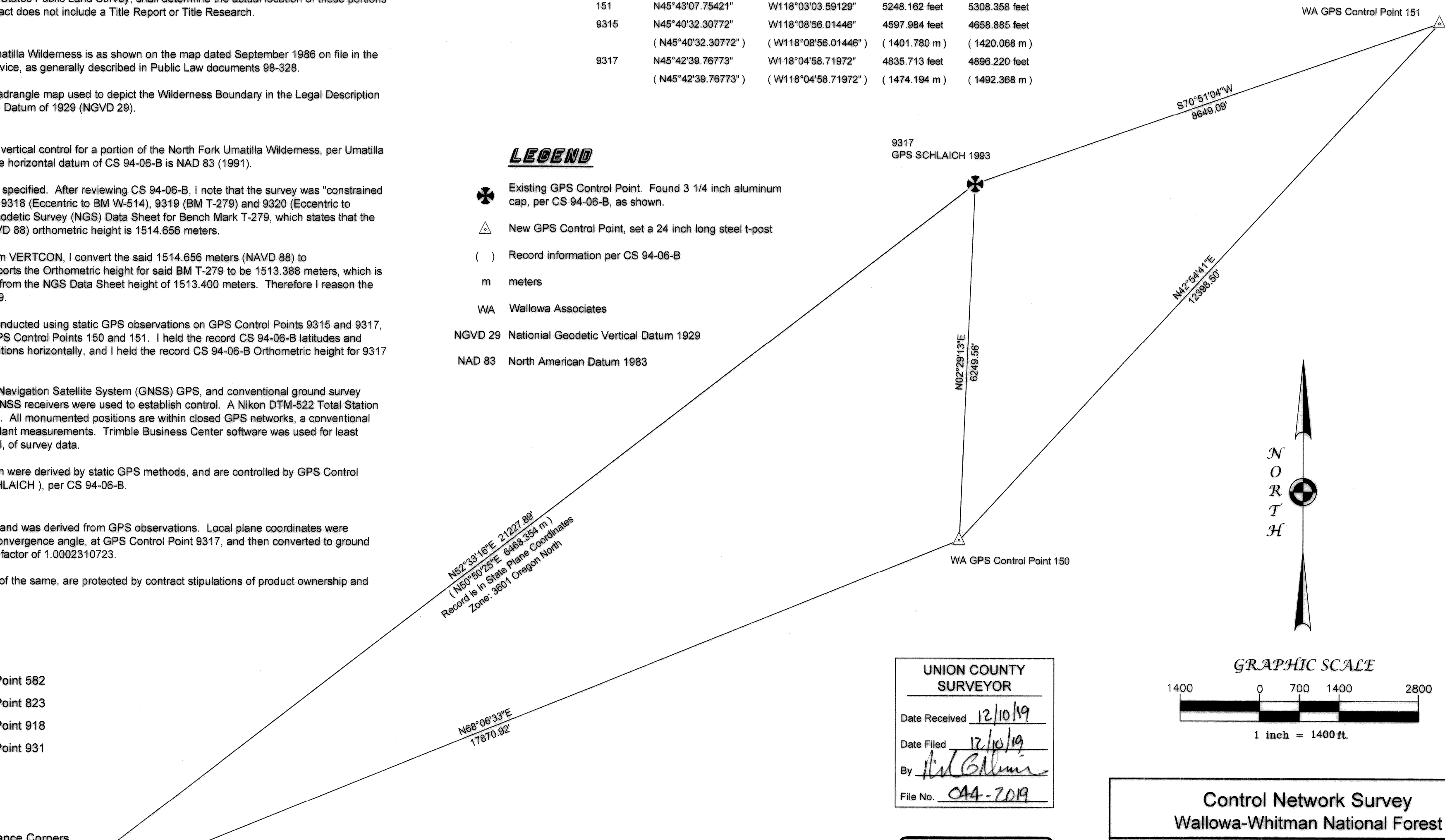
- Sheet 1: Control Network Survey
- Sheet 2: Angle Point 561 to Angle Point 582
- Sheet 3: Angle Point 799 to Angle Point 823
- Sheet 4: Angle Point 900 to Angle Point 918
- Sheet 5: Angle Point 930 to Angle Point 931
- Sheet 6: Corner Records
- Sheet 7: Corner Records
- Sheet 8: Corner Records
- Sheet 9: Corner Records - Maintenance Corners

#### NAD '83 Datum

Point	Latitude	Longitude	Ellipsoid Height	Elevation (NGVD '29)
150	N45°41'38.14152"	W118°05'02.53896"	5126.325 feet	5186.618 feet
151	N45°43'07.75421"	W118°03'03.59129"	5248.162 feet	5308.358 feet
9315	N45°40'32.30772" (N45°40'32.30772")	W118°08'56.01446" (W118°08'56.01446")	4597.984 feet (1401.780 m)	4658.885 feet (1420.068 m)
9317	N45°42'39.76773" (N45°42'39.76773")	W118°04'58.71972" (W118°04'58.71972")	4835.713 feet (1474.194 m)	4896.220 feet (1492.368 m)

### LEGEND

- ⊗ Existing GPS Control Point. Found 3 1/4 inch aluminum cap, per CS 94-06-B, as shown.
- △ New GPS Control Point, set a 24 inch long steel t-post
- ( ) Record information per CS 94-06-B
- m meters
- WA Wallowa Associates
- NGVD 29 National Geodetic Vertical Datum 1929
- NAD 83 North American Datum 1983



UNION COUNTY SURVEYOR

Date Received 12/10/19

Date Filed 12/10/19

By *Kristina Powell*

File No. 044-7019

REGISTERED PROFESSIONAL LAND SURVEYOR

*K.P.*

OREGON MAY 9, 2017

**KRISTINA POWELL** 91201

EXPIRES 12-31-20

### F.S. ACCEPTANCE

Examined and approved for the U.S. Forest Service this 2nd day of December, 2019.

*Ken Lind*, COR.

I certify that this survey was performed at the request of the Umatilla National Forest Supervisor.

*G. J. J. J.* 12-4-19

Signature Date

### CERTIFICATE OF SURVEY

I, Kristina Powell, L.S. No. 91201, 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.

*K.P.* 12-3-19

Kristina Powell, LS 91201 Date

**Control Network Survey**  
Wallowa-Whitman National Forest

LOCATED WITHIN  
Secs. 22, 28, 29, 31 & 32, T3N, R38E  
Secs. 35 & 36, T3N, R37E and Secs. 2 & 3, T2N, R37E  
Willamette Meridian, Union & Umatilla Counties, Oregon

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

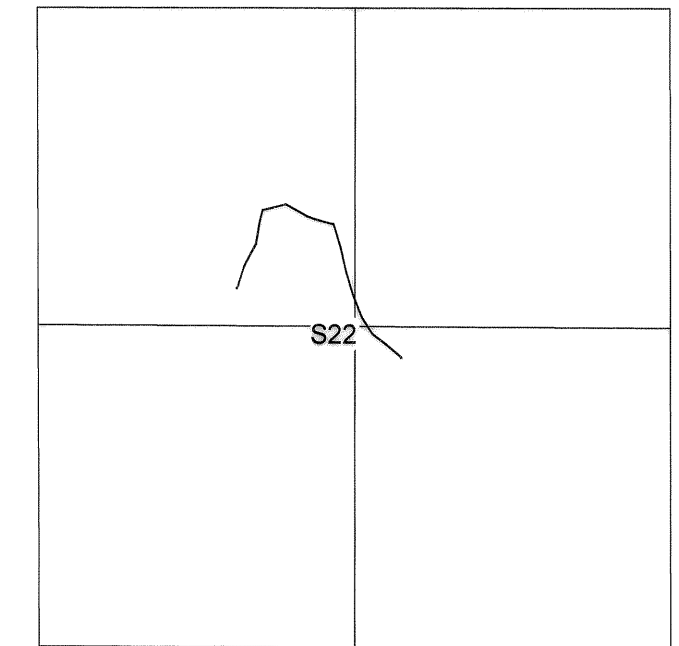
SCALE 1" = 1400'	SHEET No. 1 of 9	DATE OF SURVEY Beginning: 6/27/2019 Ending: 9/11/2019
DRAWN BY KLP	CHECKED R.J.L.	PROJECT No. WA J141-05 / 2927
DATE 11/2019		

9315  
GPS WHITMAN 1989

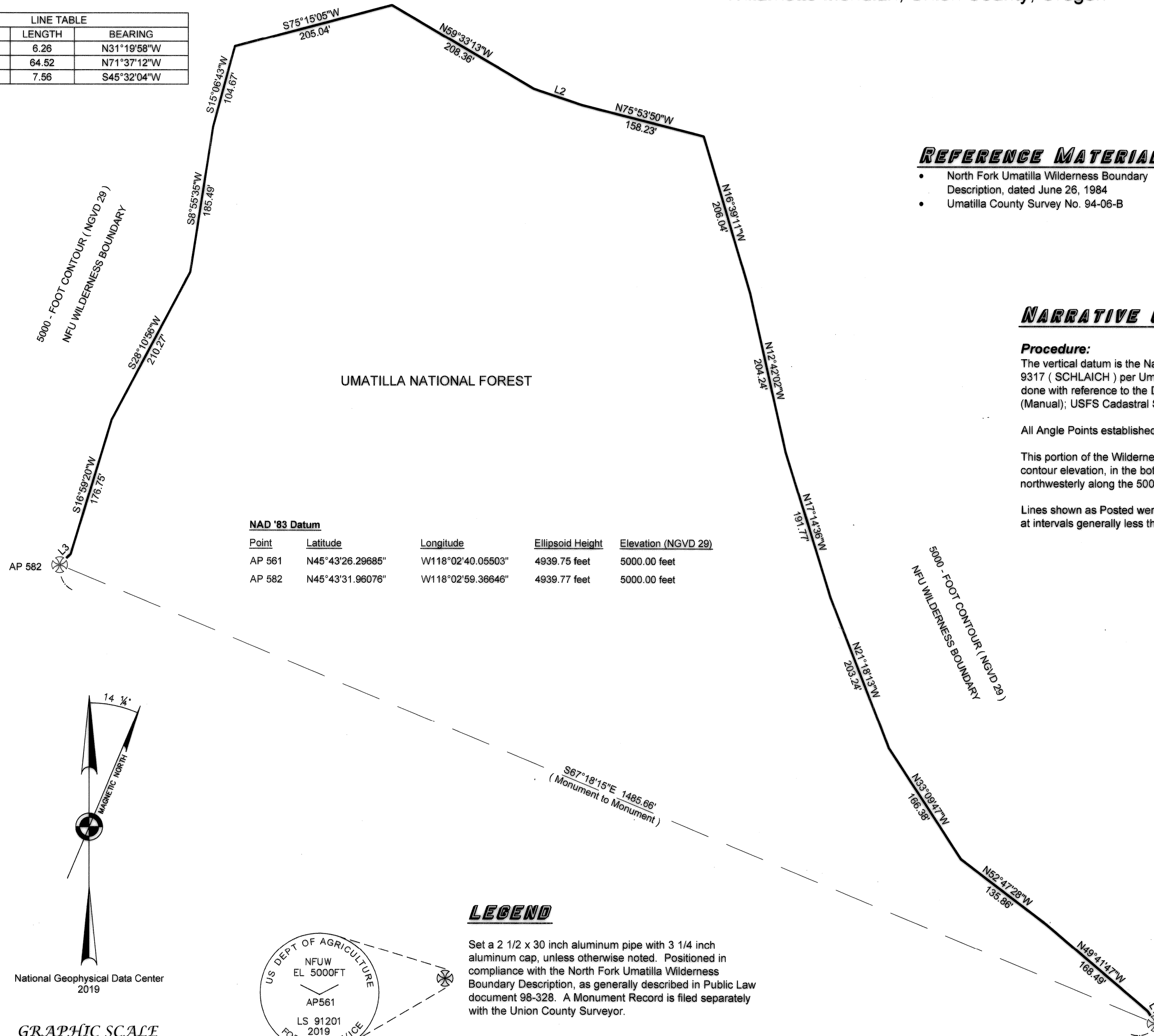
# Record of Survey

North Fork Umatilla Wilderness Boundary  
 Section 22, Township 3 North, Range 38 East, all of the  
 Willamette Meridian, Union County, Oregon

VICINITY MAP  
 Section 22, T3N, R38E, WM  
 Scale: 1 inch = 0.25 miles



LINE TABLE		
LINE	LENGTH	BEARING
L1	6.26	N31°19'58"W
L2	64.52	N71°37'12"W
L3	7.56	S45°32'04"W



### REFERENCE MATERIAL

- North Fork Umatilla Wilderness Boundary Description, dated June 26, 1984
- Umatilla County Survey No. 94-06-B

### NARRATIVE CONT'D

#### Procedure:

The vertical datum is the National Geodetic Vertical Datum 1929 (NGVD 29), and is defined by GPS Control Point 9317 (SCHLAICH) per Umatilla County Survey 94-06-B. 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 and Oregon Revised Statutes (ORS).

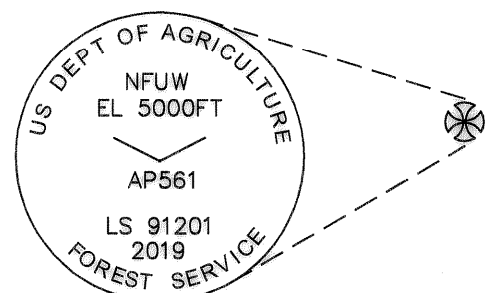
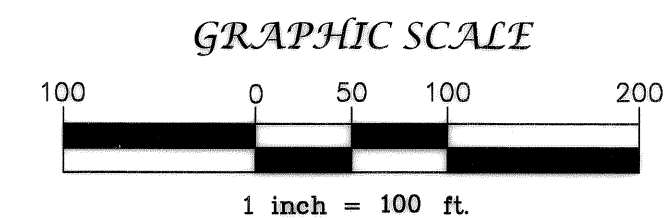
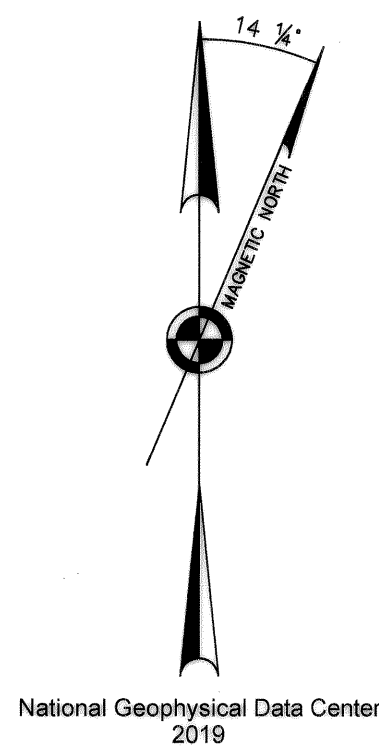
All Angle Points established hereon were done so by the North Fork Umatilla Wilderness Boundary description.

This portion of the Wilderness Boundary shown hereon commences at a point here established on the 5000 foot contour elevation, in the bottom of a small drainage, said point being Angle Point 561. We then proceed northwesterly along the 5000 foot contour to a point in the bottom of a small draw, said point being Angle Point 582.

Lines shown as Posted were done so with six foot steel T-Posts and Wilderness Boundary (27-6A) signs attached, at intervals generally less than 200 feet.

#### NAD '83 Datum

Point	Latitude	Longitude	Ellipsoid Height	Elevation (NGVD 29)
AP 561	N45°43'26.29685"	W118°02'40.05503"	4939.75 feet	5000.00 feet
AP 582	N45°43'31.96076"	W118°02'59.36646"	4939.77 feet	5000.00 feet



TYPICAL CAP MARKINGS  
 N.T.S.

### LEGEND

Set a 2 1/2 x 30 inch aluminum pipe with 3 1/4 inch aluminum cap, unless otherwise noted. Positioned in compliance with the North Fork Umatilla Wilderness Boundary Description, as generally described in Public Law document 98-328. A Monument Record is filed separately with the Union County Surveyor.

Boundary lines posted with six foot steel t-posts and Wilderness Boundary (27-6A) signs.

NGVD 29 National Geodetic Vertical Datum 1929

AP Angle Point

UNION COUNTY SURVEYOR  
 Date Received 12/10/19  
 Date Filed 12/10/19  
 By Kristina Powell  
 File No. 044-2019

REGISTERED PROFESSIONAL LAND SURVEYOR

*Kristina Powell*  
 OREGON MAY 9, 2017  
**KRISTINA POWELL**  
 91201

EXPIRES 12-31-20

<b>Record of Survey</b> Wallowa-Whitman National Forest		
LOCATED WITHIN Section 22 Township 3 North, Range 38 East Willamette Meridian, Union County, Oregon		
<b>Wallowa Associates</b> 303 S.E. Alamo Street Enterprise, Oregon 97828 (541) 426-9049		
SCALE 1" = 100'	SHEET No. 2 of 9	DATE OF SURVEY Beginning: <u>8/27/2019</u> Ending: <u>9/11/2019</u>
DRAWN BY KLP	CHECKED RJM	PROJECT No. WA J141-05 / 2927
DATE <u>11/2019</u>		

# Record of Survey

## North Fork Umatilla Wilderness Boundary Sections 31 and 32, Township 3 North, Range 38 East, all of the Willamette Meridian, Umatilla County, Oregon

### NARRATIVE CONT'D

**Procedure:**

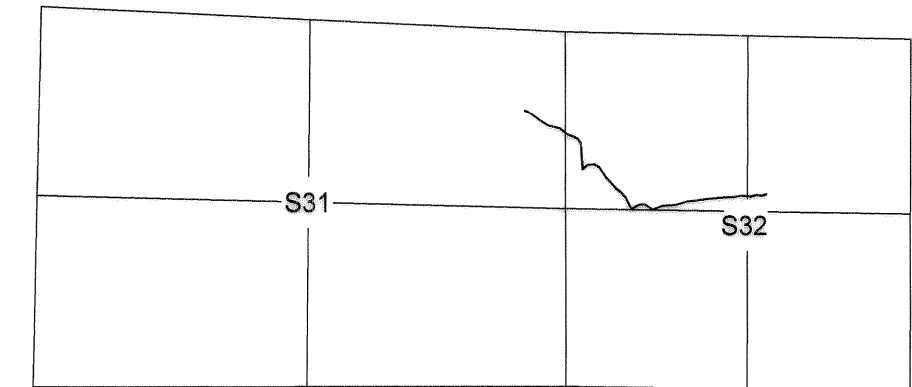
The vertical datum is the National Geodetic Vertical Datum 1929 ( NGVD 29), and is defined by GPS Control Point 9317 ( SCHLAICH ) per Umatilla County Survey 94-06-B. Additionally, general field procedures and methods were done with reference to the Department of Interior, Bureau of Land Management, Manual of Survey Instructions (Manual); USFS Cadastral Survey Specifications and Oregon Revised Statutes (ORS).

All Angle Points established hereon were done so by the North Fork Umatilla Wilderness Boundary description.

This portion of the Wilderness Boundary shown hereon commences at a point in a small draw, 100 feet westerly of and perpendicular to the centerline of abandoned road 3100-287, said point being Angle Point 799. Angle Point 799 was established by David A. Schlaich, LS 2308, in 1996; said point was referenced by USDA Forest Service Corner Card No. AP-799. We then proceed westerly along said small draw to the intersection of the center of Buck Creek, said intersection being Angle Point 805. We then proceed S88°16'W, 66 feet; thence S64°13'W to the intersection of the 4600 foot contour, said intersection being Angle Point 807. We then proceed northwesterly along the 4600 foot contour to a point which lies at a direction change in said contour from northwest to southwest, said point being Angle Point 823.

Lines shown as Posted were posted with six foot steel T-Posts, with Wilderness Boundary (27-6A) signs attached, at intervals generally less than 200 feet.

VICINITY MAP  
Sections 31 & 32, T3N, R38E, WM  
Scale: 1 inch = 0.50 miles



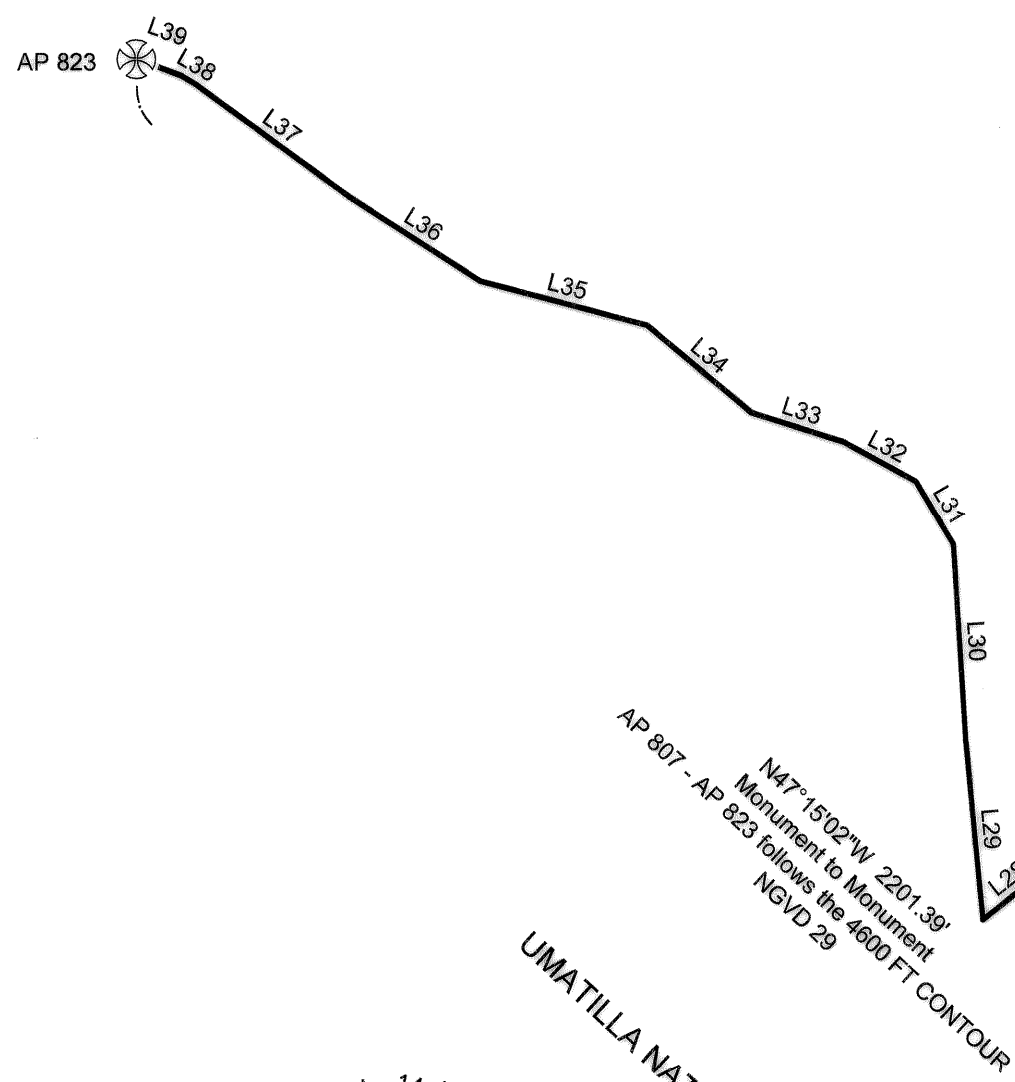
**NAD '83 Datum**

Point	Latitude	Longitude	Ellipsoid Height	Elevation (NGVD 29)
AP 799	N45°41'47.74557"	W118°05'07.45614"	5079.08 feet	5139.42 feet
AP 805	N45°41'46.26758"	W118°05'33.72619"	4452.77 feet	4513.19 feet
AP 807	N45°41'45.62331"	W118°05'36.50118"	4539.75 feet	4600.00 feet
AP 823	N45°42'00.36910"	W118°05'59.27425"	4539.61 feet	4600.00 feet

**LEGEND**

- Found a 5/8 inch iron rod with a 3 1/4 inch aluminum cap, mkd: NFU WILDERNESS AP799 RLS 2308 1996, 1 inch above ground, in bottom of small draw, by David A. Schlaich, LS 2308, per Forest Service Corner Card, 1996.
- Set a 2 1/2 x 30 inch aluminum pipe with 3 1/4 inch aluminum cap, unless otherwise noted. Positioned in compliance with the North Fork Umatilla Wilderness Boundary Description, as generally described in Public Law document 98-328. A Monument Record is filed separately with the Umatilla County Surveyor.
- Measured and Record; Record Dimensions per North Fork Umatilla Wilderness Boundary Description.
- Boundary lines posted with six foot steel t-posts and Wilderness Boundary (27-6A) signs.
- National Geodetic Vertical Datum 1929
- Angle Point

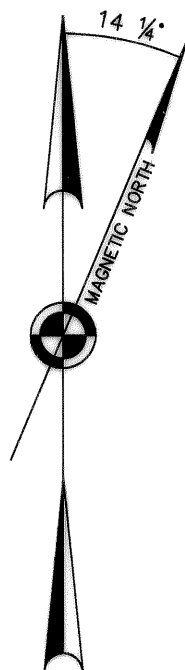
LINE TABLE		
LINE	LENGTH	BEARING
L4	72.13	S75°51'40"W
L5	80.21	N83°51'52"W
L6	93.53	S75°26'47"W
L7	142.67	N84°34'12"W
L8	159.00	S82°00'54"W
L9	168.37	S88°15'22"W
L10	68.09	S80°35'18"W
L11	134.35	S86°33'02"W
L12	199.64	S81°42'24"W
L13	87.87	S84°47'46"W
L14	199.25	S73°16'56"W
L15	193.36	S87°38'01"W
L16	168.16	S69°45'15"W
L17	116.89	N54°54'10"W
L18	34.50	N75°00'00"W
L19	66 M&R	S88°16'W M&R
L20	145.52	S64°13'W M&R
L21	202.59	N26°32'50"W
L22	95.91	N42°30'59"W
L23	110.51	N54°16'41"W
L24	198.83	N40°50'48"W
L25	201.25	N33°54'55"W
L26	82.02	N59°40'11"W
L27	104.23	S82°50'47"W
L28	96.21	S51°43'29"W
L29	186.13	N05°24'28"W
L30	204.14	N03°31'52"W
L31	76.15	N30°55'23"W
L32	85.05	N61°33'34"W
L33	101.37	N72°18'53"W
L34	140.28	N50°07'05"W
L35	179.50	N75°15'35"W
L36	161.96	N57°22'17"W
L37	197.84	N53°44'20"W
L38	17.00	N60°00'00"W
L39	50.04	N69°35'59"W



NORTH FORK UMATILLA ( NFU ) WILDERNESS

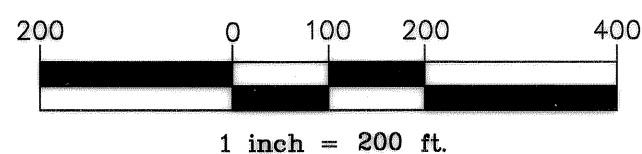
UMATILLA NATIONAL FOREST

UMATILLA NATIONAL FOREST



National Geophysical Data Center  
2019

**GRAPHIC SCALE**



**REFERENCE MATERIAL**

- North Fork Umatilla Wilderness Boundary Description, dated June 26, 1984.
- Umatilla National Forest Corner Cards

**UNION COUNTY SURVEYOR**

Date Received 12/10/19  
Date Filed 12/10/19  
By KLP  
File No. 044-2019

REGISTERED PROFESSIONAL LAND SURVEYOR  
*KLP*

OREGON  
MAY 9, 2017  
**KRISTINA POWELL**  
91201  
EXPIRES 12-31-20

**Record of Survey  
Wallowa-Whitman National Forest**

LOCATED WITHIN  
Sections 31 and 32  
Township 3 North, Range 38 East  
Willamette Meridian, Umatilla County, Oregon

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

SCALE 1" = 200'	SHEET No. 3 of 9	DATE OF SURVEY Beginning: <u>5/27/2019</u> Ending: <u>9/11/2019</u>
DRAWN BY KLP	CHECKED R.J.L.	PROJECT No. WA J141-05 / 2927
DATE 11 / 2019		

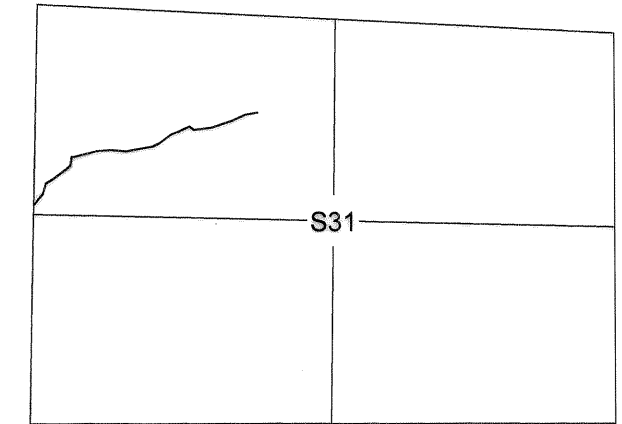
# Record of Survey

## North Fork Umatilla Wilderness Boundary

### Section 31, Township 3 North, Range 38 East, all of the Willamette Meridian, Umatilla County, Oregon

VICINITY MAP  
Section 31, T3N, R38E, WM

Scale: 1 inch = 0.50 miles



### LEGEND

Found a 2 1/2 inch aluminum pipe with a 3 1/4 inch aluminum cap, mkd: USDA-FOREST SERVICE WILDERNESS BOUNDARY ELEV 4240 WB 921 1991 ORLS 644, 1 inch above ground. Set by Duane I. Griffith, LS 644, per Umatilla National Forest Surveyor's Report, dated June 26, 1992; then moved by Griffith in the spring of 1992, per Umatilla National Forest Surveyor's Report by Dennis L. Gaylord, LS 1636, dated February 21, 1992.

Set a 2 1/2 x 30 inch aluminum pipe with 3 1/4 inch aluminum cap, unless otherwise noted. Positioned in compliance with the North Fork Umatilla Wilderness Boundary Description, as generally described in Public Law document 98-328. A Monument Record is filed separately with the Umatilla County Surveyor.



⊗ Calculated position, nothing found nor set.

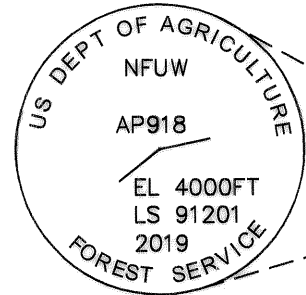
— Boundary lines posted with six foot steel t-posts and Wilderness Boundary (27-6A) signs.

( ) Record dimensions per CS 92-117-B.

NGVD 29 National Geodetic Vertical Datum 1929

AP Angle Point

WC Witness Corner

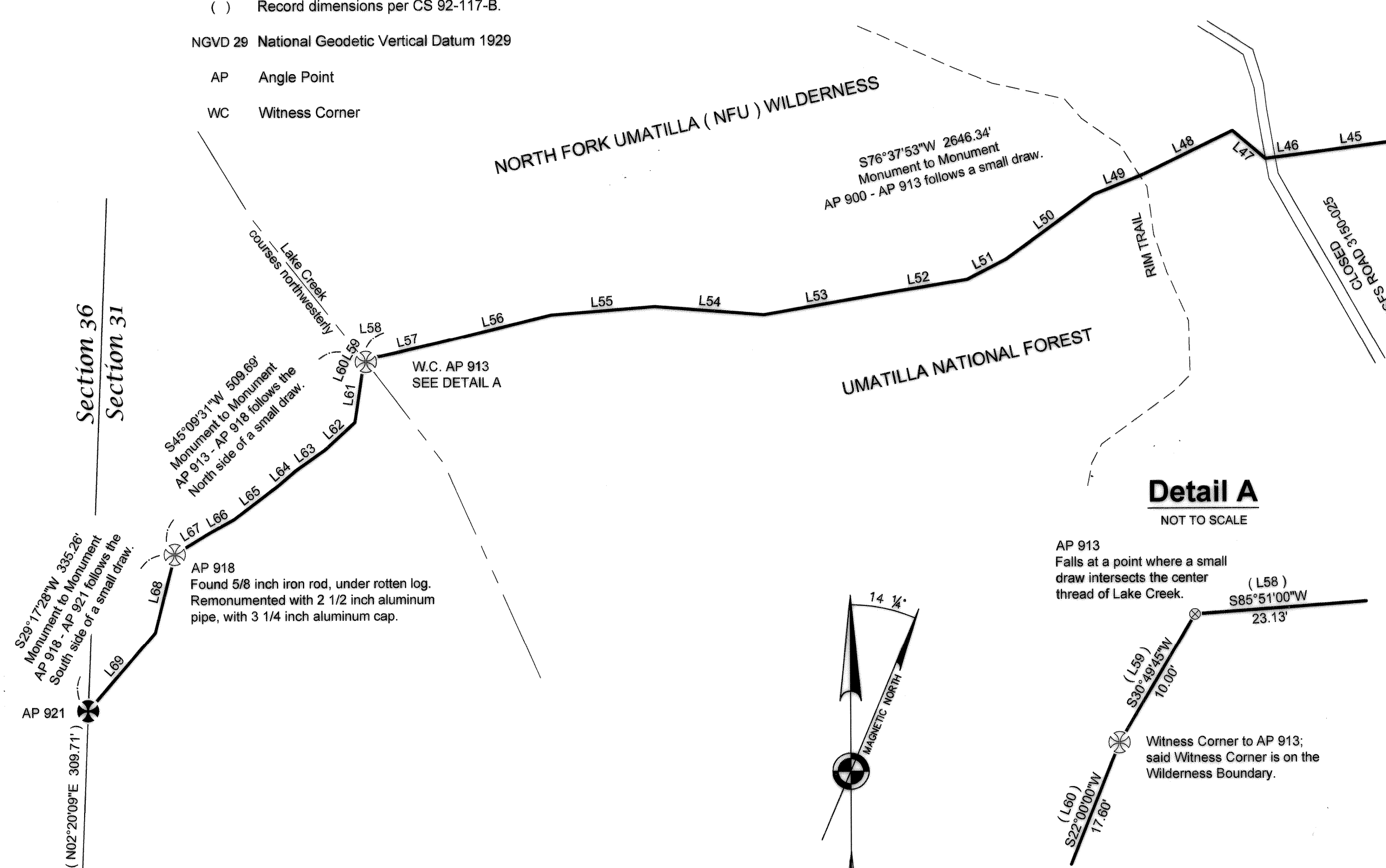


TYPICAL CAP MARKINGS  
N.T.S.

#### NAD '83 Datum

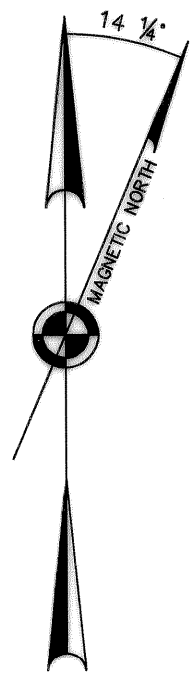
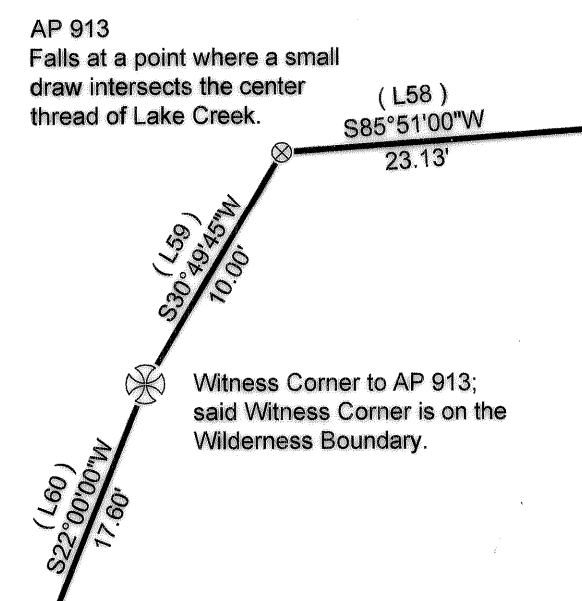
Point	Latitude	Longitude	Ellipsoid Height	Elevation (NGVD 29)
AP 900	N45°42'01.28550"	W118°06'56.76483"	4539.16 feet	4600.00 feet
AP 913 WC	N45°41'55.23687"	W118°07'36.02654"	3653.76 feet	3714.69 feet
AP 918	N45°41'51.68751"	W118°07'41.11424"	3941.60 feet	4002.54 feet
AP 921	N45°41'48.80059"	W118°07'43.42224"	4174.12 feet	4235.06 feet

LINE TABLE		
LINE	LENGTH	BEARING
L40	175.39	S80°00'00"W
L41	4.91	S84°09'59"W
L42	201.78	S65°02'20"W
L43	187.59	S72°16'31"W
L44	93.45	S70°20'28"W
L45	177.64	S82°31'46"W
L46	76.55	S82°33'40"W
L47	81.02	N49°35'59"W
L48	188.73	S84°13'42"W
L49	99.55	S68°25'10"W
L50	204.65	S53°49'20"W
L51	82.40	S62°58'19"W
L52	180.05	S80°36'52"W
L53	207.96	S80°04'39"W
L54	206.79	N85°23'55"W
L55	195.43	S85°36'23"W
L56	217.32	S76°29'43"W
L57	112.43	S77°02'33"W
L58	23.13	S85°51'00"W
L59	10.00	S30°49'45"W
L60	17.60	S22°00'00"W
L61	98.50	S08°33'00"W
L62	75.29	S47°52'57"W
L63	68.58	S55°03'14"W
L64	44.56	S49°31'02"W
L65	103.40	S62°59'55"W
L66	51.32	S61°30'09"W
L67	77.76	S58°49'13"W
L68	151.10	S14°23'36"W
L69	193.19	S40°53'29"W



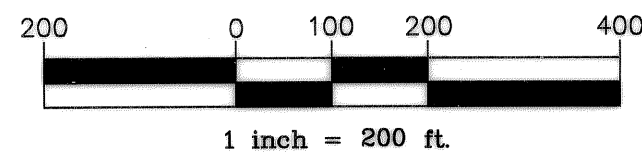
### Detail A

NOT TO SCALE



National Geophysical Data Center  
2019

### GRAPHIC SCALE



### NARRATIVE CONT'D

#### Procedure:

The vertical datum is the National Geodetic Vertical Datum 1929 (NGVD 29), and is defined by GPS Control Point 9317 (SCHLAICH) per Umatilla County Survey 94-06-B. 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 and Oregon Revised Statutes (ORS).

All Angle Points established hereon were done so by the North Fork Umatilla Wilderness Boundary description.

This portion of the Wilderness Boundary shown hereon commences at a point here established on the 4600 foot contour, in the bottom of a small draw, said point being Angle Point 900. We then proceed westerly along the said small draw to the intersection of the center thread of Lake Creek, said intersection being Angle Point 913. We then proceed southwesterly along the north side of a small draw to the intersection of the 4000 foot contour, said intersection being Angle Point 918, which was marked by a 5/8 inch iron rod and remonumented by this survey. We then proceed southwesterly along the south side of said small draw to an existing monument on the East Section line of Section 36, T3N, R37E, WM; on the 4240 foot contour, said existing monument being Angle Point 921.

This survey determines the Elevation of Angle Point 918 to be 4002.54 feet, whereas the NFU Wilderness description cites an elevation of 4000 feet; and the Elevation of Angle Point 921 to be 4235.06 feet, whereas the NFU Wilderness description cites an elevation of 4240 feet. I was not under the instruction to follow up on this data, but want to reference it for future use.

Lines shown as Posted were posted with six foot steel T-Posts, with Wilderness Boundary (27-6A) signs attached, at intervals generally less than 200 feet.

### REFERENCE MATERIAL

- North Fork Umatilla Wilderness Boundary Description, dated June 26, 1984
- Umatilla National Forest Surveyor's Report by Duane I. Griffith, dated June 26, 1992, under Wilderness Boundary Survey Contract No. 53-04R3-89-51.
- Umatilla National Forest Surveyor's Report by Dennis L. Gaylord, LS 1636, dated February 21, 1992.
- Umatilla County Survey No. 92-117-B
- Monument Records filed with the Umatilla County Surveyor.
- Umatilla National Forest Corner Cards

### UNION COUNTY SURVEYOR

Date Received 12/10/19  
Date Filed 12/10/19  
By K. Powell  
File No. OAA-2019

REGISTERED PROFESSIONAL LAND SURVEYOR

OREGON  
MAY 9, 2017  
KRISTINA POWELL  
91201

EXPIRES 12-31-20

### Record of Survey Wallowa-Whitman National Forest

LOCATED WITHIN  
Section 31  
Township 3 North, Range 38 East  
Willamette Meridian, Umatilla County, Oregon

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

SCALE 1" = 200'	SHEET No. 4 of 9	DATE OF SURVEY Beginning: 6/27/2019 Ending: 9/11/2019
DRAWN BY KLP DATE 11/2019	CHECKED R.J.L.	PROJECT No. WA J141-05 / 2927

# Record of Survey

North Fork Umatilla Wilderness Boundary  
 Sections 35 and 36, Township 3 North, Range 37 East, and  
 Sections 2 and 3, Township 2 North, Range 37 East,  
 all of the Willamette Meridian, Umatilla County, Oregon

## NARRATIVE CONT'D

### REFERENCE MATERIAL

- North Fork Umatilla Wilderness Boundary Description, dated June 26, 1984
- Umatilla National Forest Surveyor's Report by Duane I. Griffith, dated June 26, 1992, under Wilderness Boundary Survey Contract No. 53-04R3-89-51.
- GLO Field Notes and Plat of Contract No. 304, by George S. Pershin, dated September 19, 1878.
- GLO Field Notes and Plat of Contract No. 733, by Charles L. Campbell, dated March 22, 1901.
- Monument Records filed with the Umatilla County Surveyor.
- Umatilla National Forest Corner Cards

### History:

The South boundary of Township 3 North, Range 37 East was originally surveyed by George S. Pershin, under GLO Contract No. 304, dated September 19, 1878. The said South Boundary was then resurveyed by William E. Campbell, under GLO Joint Contract No. 718, dated May 1, 1900.

The Subdivision of Township 2 North, Range 37 East was originally surveyed by Charles L. Campbell, under GLO Joint Contract No. 733, dated March 22, 1901.

The legal description of the North Fork Umatilla 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.

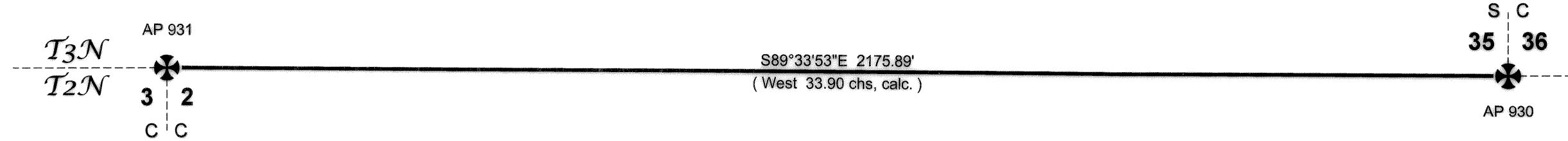
A portion of the North Fork Umatilla Wilderness Boundary was surveyed by Duane I. Griffith, LS 644, as described by Umatilla National Forest Survey Report dated June 26, 1992. The standard corner of Sections 35 and 36, T3N, R37E, and closing corner of Sections 2 and 3, T2N, R37E, were remonumented during this survey.

### Procedure:

This portion of the Wilderness Boundary shown hereon commences at the Southeast corner of Section 35, Township 3 North, Range 37 East, WM, and then proceeds along the North section line of Section 2, Township 2 North, Range 37 East, WM, to the Northwest section corner of said Section 2. Said corners also being Angle Points 930 and 931 respectively.

Lines shown as Posted were posted with six foot steel T-Posts, with Wilderness Boundary (27-6A) signs attached, at intervals generally less than 200 feet.

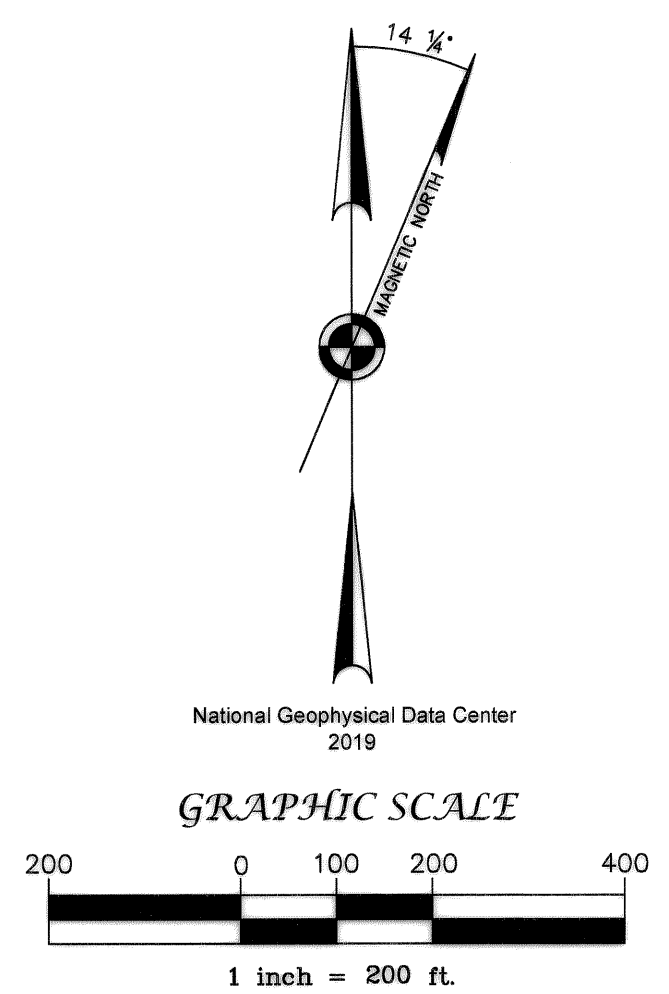
NORTH FORK UMATILLA ( NFU ) WILDERNESS



UMATILLA NATIONAL FOREST

### NAD '83 Datum

Point	Latitude	Longitude	Ellipsoid Height	Elevation (NGVD 29)
AP 930	N45°41'14.59120"	W118°08'54.74344"	3925.078 feet	3986.138 feet
AP 931	N45°41'14.73542"	W118°09'28.38540"	3978.888 feet	4040.064 feet



### LEGEND

- Found 2 1/2 inch aluminum cap on 2 1/2 inch aluminum pipe, established by Duane Griffith, LS 644, as described in the Surveyor's Report dated June 26, 1992, under Wilderness Boundary Survey Contract No. 53-04R3-89-51.
- Boundary Line posted with six foot steel t-posts and Wilderness Boundary (27-6A) signs.
- C C Closing Corner
- S C Standard Corner
- AP Angle Point

NGVD 29 National Geodetic Vertical Datum 1929

UNION COUNTY  
 SURVEYOR  
 Date Received 12/10/19  
 Date Filed 12/10/19  
 By K. L. Powell  
 File No. 04A-2019

REGISTERED  
 PROFESSIONAL  
 LAND SURVEYOR

OREGON  
 MAY 9, 2017  
**KRISTINA POWELL**  
 91201

EXPIRES 12-31-20

<b>Record of Survey</b> Wallowa-Whitman National Forest		
LOCATED WITHIN Sections 35 and 36, Township 3 North, Range 37 East Sections 2 and 3, Township 2 North, Range 37 East Willamette Meridian, Umatilla County, Oregon		
<b>Wallowa Associates</b> 303 S.E. Alamo Street Enterprise, Oregon 97828 (541) 426-9049		
SCALE 1" = 200'	SHEET No. 5 of 9	DATE OF SURVEY Beginning: <u>8/27/2019</u> Ending: <u>9/11/2019</u>
DRAWN BY KLP DATE <u>11/2019</u>	CHECKED R.JL	PROJECT No. WA J141-05 / 2927

# Corner Records

## North Fork Umatilla Wilderness Boundary Umatilla National Forest

### North Fork Umatilla Wilderness Angle Point 561

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Corner not previously monumented. This is an administrative corner interior to Forest Service Lands. The position of this corner is controlled by the legal description of the North Fork Umatilla Wilderness as shown on the map dated September 1986, as generally described in Public Law document 98-328.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

N/A

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At a position on the 5000 foot contour determined by this survey, as shown herein: I set a standard U.S.F.S. 3 1/4 inch aluminum cap, mkd. as shown, with 2 1/2 x 30 inch aluminum pipe, with clear DEEP-1 magnet at base.

From which:

- A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears S20°E, 17.3 ft. dist.
- A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears West, 18.8 ft. dist.

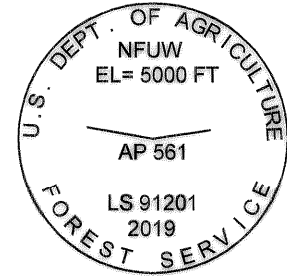
NAD 83 Geodetic Position:  
Lat. 45°43'26.30" N  
Long. 118°02'40.06" W

Established by: Trimble RTK

Posted and marked wilderness boundary N31°19'58"W from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

I hereby certify that the corner is monumented as described, using dual frequency carrier-phase GNSS receivers and the accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Shar Hutchison and David Quittschreiber  
Date: 8-19-19



### North Fork Umatilla Wilderness Angle Point 582

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Corner not previously monumented. This is an administrative corner interior to Forest Service Lands. The position of this corner is controlled by the legal description of the North Fork Umatilla Wilderness as shown on the map dated September 1986, as generally described in Public Law document 98-328.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

N/A

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At a position on the 5000 foot contour determined by this survey, as shown herein: I set a standard U.S.F.S. 3 1/4 inch aluminum cap, mkd. as shown, with 2 1/2 x 30 inch aluminum pipe, with rock collar and clear DEEP-1 magnet at base.

From which:

- An 11 inch white fir, with single blaze mkd: NFUW AP 582 BT, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears N27°E, 64.8 ft. dist.
- An 18 inch Douglas fir, with single blaze mkd: NFUW AP 582 BT, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears S82 1/2°W, 55.3 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°43'31.96" N  
Long. 118°02'59.37" W

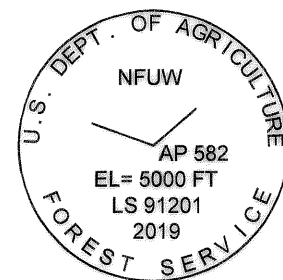
Established by: Trimble RTK

Bearings are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Posted and marked wilderness boundary N45°32'04"E from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

I hereby certify that the corner is monumented as described, using dual frequency carrier-phase GNSS receivers and Nikon DTM-522 Total Station. Accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Shar Hutchison and David Quittschreiber  
Date: 8-19-19



### North Fork Umatilla Wilderness Angle Point 805

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Corner not previously monumented. This is an administrative corner interior to Forest Service Lands. The position of this corner is controlled by the legal description of the North Fork Umatilla Wilderness as shown on the map dated September 1986, as generally described in Public Law document 98-328.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

N/A

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At a position determined by this survey, as shown herein, I set a 3/4 x 24 inch aluminum drive rod in concrete filled drill hole, at intersection of small draw and Buck Creek, with 3 1/4 inch aluminum cap, mkd. as shown, with DEEP-1 magnet at base.

From which:

- A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears S70°E, 26.0 ft. dist.
- A 13 inch Douglas fir with single blaze mkd: NFUW AP 805 BT, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears S47°W, 52.8 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°41'46.26" N  
Long. 118°05'33.72" W

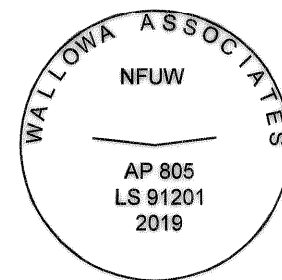
Established by: Trimble RTK

Bearings are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Posted and marked wilderness boundary S75°E and S88°16'W from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

I hereby certify that the corner is monumented as described, using dual frequency carrier-phase GNSS receivers and the accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Shar Hutchison and David Quittschreiber  
Date: 9-4-19



### North Fork Umatilla Wilderness Angle Point 807

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Corner not previously monumented. This is an administrative corner interior to Forest Service Lands. The position of this corner is controlled by the legal description of the North Fork Umatilla Wilderness as shown on the map dated September 1986, as generally described in Public Law document 98-328.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

N/A

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At a position on the 4600 foot contour determined by this survey, as shown herein, I set a standard USFS 3 1/4 inch aluminum cap, mkd. as shown, with 2 1/2 x 30 inch aluminum pipe, with rock collar and clear DEEP-1 magnet at base.

From which:

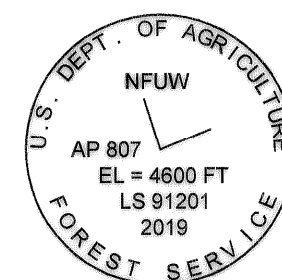
- A 17 inch Douglas fir with single blaze mkd: NFUW AP 807 BT, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears S67°E, 11.4 ft. dist.
- A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears S28°W, 20.3 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°41'45.62" N  
Long. 118°05'36.50" W

Established by: Trimble RTK and Nikon DTM-522 Total Station

Bearings are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Angle Point 807 continued



### Angle Point 807 Continued

Posted and marked wilderness boundary N64°13'00"E and N26°32'50"W from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

I hereby certify that the corner is monumented as described, using dual frequency carrier-phase GNSS receivers and the accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Shar Hutchison and David Quittschreiber  
Date: 9-4-19

### North Fork Umatilla Wilderness Angle Point 823

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Corner not previously monumented. This is an administrative corner interior to Forest Service Lands. The position of this corner is controlled by the legal description of the North Fork Umatilla Wilderness as shown on the map dated September 1986, as generally described in Public Law document 98-328.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

N/A

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At a position on the 4600 foot contour determined by this survey, as shown herein, I set a standard USFS 3 1/4 inch aluminum cap, mkd. as shown, with 2 1/2 x 30 inch aluminum pipe, with rock collar and clear DEEP-1 magnet at base.

From which:

- A 19 inch white fir with single blaze mkd: NFUW AP 823 BT, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears S57 1/2°E, 45.5 ft. dist.
- A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears S68°W, 23.8 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°42'00.37" N  
Long. 118°05'59.27" W

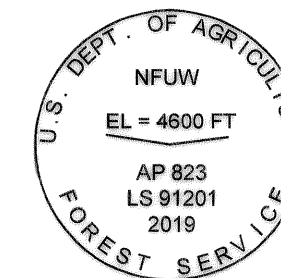
Established by: Trimble RTK

Bearings are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Posted and marked wilderness boundary S69°35'59"E from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

I hereby certify that the corner is monumented as described, using dual frequency carrier-phase GNSS receivers and the accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell and David Quittschreiber  
Date: 9-11-19



<b>UNION COUNTY SURVEYOR</b>	
Date Received	12/10/19
Date Filed	12/10/19
By	<i>K. Powell</i>
File No.	044-2019

REGISTERED PROFESSIONAL LAND SURVEYOR
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OREGON MAY 9, 2017 <b>KRISTINA POWELL</b> 91201
--

EXPIRES 12-31-20

## Record of Survey Wallowa-Whitman National Forest

LOCATED WITHIN  
Secs. 22, 28, 29, 31 & 32, T3N, R38E  
Secs. 35 & 36, T3N, R37E and Secs. 2 & 3, T2N, R37E  
Willamette Meridian, Union & Umatilla Counties, Oregon

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

SCALE n/a	SHEET No. 6 of 9	DATE OF SURVEY Beginning: 6/27/2019 Ending: 9/11/2019
DRAWN BY KLP	CHECKED R.J.L.	PROJECT No. WA J141-05 / 2927
DATE 11/2019		

**North Fork Umatilla Wilderness Angle Point 900**

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Corner not previously monumented. This is an administrative corner interior to Forest Service Lands. The position of this corner is controlled by the legal description of the North Fork Umatilla Wilderness as shown on the map dated September 1986, as generally described in Public Law document 98-328.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

N/A

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At a position on the 4600 foot contour, in the bottom of a small draw, determined by this survey, as shown herein, I set a standard USFS 3 1/4 inch aluminum cap, mkd. as shown, with 2 1/2 x 30 inch aluminum pipe, with rock collar and clear DEEP-1 magnet at base.

From which:

A 22 inch Douglas fir with single blaze mkd: NFWU AP 900 BT, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears N22°E, 43.5 ft. dist.

A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears N46°W, 23.5 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°42'01.29" N  
Long. 118°06'59.77" W

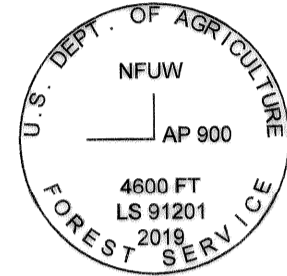
Established by: Trimble RTK

Bearings are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Posted and marked wilderness boundary S84°09'59"W from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

I hereby certify that the corner is monumented as described, using dual frequency carrier-phase GNSS receivers and the accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Dakota Shadle and David Quittschreiber  
Date: 7-17-19



**Witness Corner  
North Fork Umatilla Wilderness Angle Point 913**

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Corner not previously monumented. This is an administrative corner interior to Forest Service Lands. The position of this corner is controlled by the legal description of the North Fork Umatilla Wilderness as shown on the map dated September 1986, as generally described in Public Law document 98-328.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

N/A

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At a position determined by this survey, as shown herein, I set a standard USFS 3 1/4 inch aluminum cap, mkd. as shown, with 2 1/2 x 30 inch aluminum pipe, as a witness corner to Angle Point 913, 10 feet, S30°49'45"W of an intersection of Lake Creek with a small draw, with rock collar and clear DEEP-1 magnet at base; said Witness Corner is on the Wilderness Boundary.

From which:

A 12 inch Douglas fir with single blaze mkd: NFWU WC AP 913 BT, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears S5 1/2°W, 20.2 ft. dist.

A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears N88°W, 17.9 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°41'55.24" N  
Long. 118°07'36.03" W

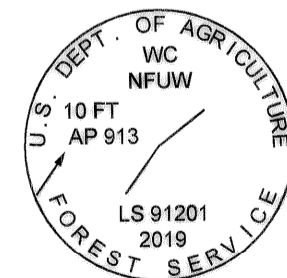
Established by: Trimble RTK

Bearings are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Posted and marked wilderness boundary S22°W and N30°49'45"E from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

I hereby certify that the corner is monumented as described, using dual frequency carrier-phase GNSS receivers and the accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell and David Quittschreiber  
Date: 7-23-19



**Corner Records**

**North Fork Umatilla Wilderness Boundary  
Umatilla National Forest**

**North Fork Umatilla Wilderness Angle Point 918**

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Original corner established by David A. Schlaich, LS 2308, as described by Surveyor's Report - 1991 for Wilderness Boundary Location of North Fork Umatilla Wilderness Area, dated February 22, 1992.

Record states:

Set a 5/8 inch by 36 inch iron rod 36 inches into the ground. A 1 1/2 inch aluminum cap attached is at elevation 4,000 feet.

From which:

A 11 inch Douglas fir, bears N27°W, 54.5 feet.  
A 18 inch Ponderosa pine, bears N30°E, 120.7 feet.

Both trees are scribed "WB/918 BT" on double blazes and have a 3/4 inch brass washer, marked "PLS 1636," nailed flush to the lower blaze. Both trees also have a sign 54-3, bearing tree, nailed above the blazes and sign 54-9, Land Survey Monument, nailed to back.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

Found 5/8 inch iron rod, with no cap, under rotten log.

From which:

An 18 inch ponderosa pine, alive and healthy, with "WB 918" visible in top blaze, bears N30°E, 120.7 ft. dist.  
A 17 inch Douglas fir, alive and healthy, with healed double blaze, bears N27°W, 54.5 ft. dist.

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At the exact point of the 5/8 inch iron rod, I set a standard USFS 3 1/4 inch aluminum cap, mkd. as shown, with 2 1/2 x 30 inch aluminum pipe, with clear DEEP-1 magnet at base.

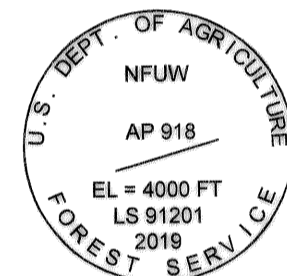
NAD 83 Geodetic Position:  
Lat. 45°41'51.69" N  
Long. 118°07'41.11" W

Established by: Trimble RTK

All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Posted and marked wilderness boundary N58°49'13"E from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

Witnesses: Kristina Powell, Dakota Shadle and David Quittschreiber  
Date: 7-24-19



**North Fork Umatilla Wilderness Angle Point 921**

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Original corner established by Duane I. Griffith, LS 644, as described by Surveyor's Report for Wilderness Boundary Survey per Contract No. 53-04R3-89-51, dated June 26, 1992.

Record states:

At a point on the East line of Section 36 and on the wilderness boundary line, 778.31 feet north of the east 1/4 corner, at an elevation of 4240 feet. I set a 2 1/2" x 30" aluminum pipe with aluminum cap marked as shown, 28 inches in the ground.

From which:

A 5 inch diameter Douglas fir, bears N80°E, 26.50 feet marked X BT.  
A 5/8" x 30" iron pin with plastic cap marked BGA survey marker bears N85°W, 18.25 feet.

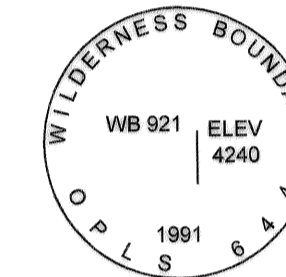
**DESCRIPTION OF CORNER EVIDENCE FOUND:**

Found 2 1/2 inch aluminum cap, mkd. as shown, on 2 1/2 inch aluminum pipe, buried 6 inches.

From which:

A 5/8 inch iron rod with illegible yellow plastic cap, bears N85°W, 18.25 ft. dist.

No sign of NE bearing tree.



**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

New accessory:

A 6 inch ponderosa pine, with double blaze mkd: X BT, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears N77 1/2°E, 17.8 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°41'48.80" N  
Long. 118°07'43.42" W

Established by: Trimble RTK

Bearings are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Set 6 foot steel t-post 8 feet South with Wilderness Boundary (27-6A) sign, and 3 feet N30°E with Land Survey Monument (54-9) and Wilderness Boundary (27-6A) signs attached.

Accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Dewey Bruner, Dakota Shadle and David Quittschreiber  
Date: 7-9-19

UNION COUNTY  
SURVEYOR

Date Received 12/10/19

Date Filed 12/10/19

By K. Powell

File No. 044-209

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

OREGON  
MAY 9, 2017  
KRISTINA POWELL  
91201

EXPIRES 12-31-20

**Record of Survey  
Wallowa-Whitman National Forest**

LOCATED WITHIN  
Secs. 22, 28, 29, 31 & 32, T3N, R38E  
Secs. 35 & 36, T3N, R37E and Secs. 2 & 3, T2N, R37E  
Willamette Meridian, Union & Umatilla Counties, Oregon

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

SCALE n/a	SHEET No. 7 of 9	DATE OF SURVEY Beginning: 6/27/2019 Ending: 9/11/2019
DRAWN BY KLP	CHECKED RJK	PROJECT No. WA J141-05 / 2927
DATE 11/2019		

# Corner Records

North Fork Umatilla Wilderness Boundary  
Umatilla National Forest

**Standard Section Corner of Sections 35 and 36, ( Z-21 )  
also known as, North Fork Umatilla Wilderness Angle Point 930**

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Original corner established by George S. Pershin, under GLO Group No. 304, dated September 19, 1878.

Record states:  
Set basalt stone 16x8x7 on SW hill.

From which:  
Fir 8 inch diam brs N10°E, 60 lks dist  
Fir 20 inch diam brs S24°E, 99 lks dist  
Fir 36 inch diam brs S38°W, 66 lks dist  
Fir 18 inch diam brs N68°W, 78 lks dist

Corner perpetuated by William E. Campbell, under GLO Con. No. 718, dated May 1, 1900.

Record states:  
In retracing the S Bdy of Section 35, I discover it to be defective. Set basalt stone 15x15x4 ins. in the ground for corners 35 and 36 marked with 1 notch on E and 5 notches on W.

From which:  
Fir 10 inch diam brs N14°E, 52 lks dist marked T3N R37E S36 BT  
Fir 18 inch diam brs N68°W, 78 lks dist marked T3S R37E S35 BT

Corner remonumented by Duane I. Griffith, LS 644, as described by Surveyor's Report for Wilderness Boundary Survey under Contract No. 53-04R3-89-51, dated June 26, 1992.

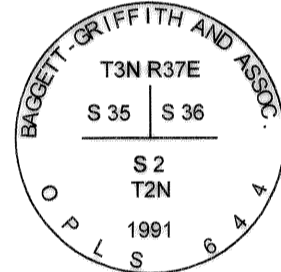
Record states:  
In place of found stone, I set a 2 1/2" x 30" aluminum pipe with aluminum cap marked as shown, 26 inches in the ground.

From which:  
A 15 inch Douglas fir, bears N26°E, 45.94 feet, marked T3N R37E S36 BT.  
A 5/8"x18" iron pin with plastic cap, marked BGA SURVEY MARKER, bears North, 4.71 ft. dist.  
A 5/8"x18" iron pin with plastic cap, marked BGA SURVEY MARKER, bears East, 7.60 ft. dist.  
A 14 inch Douglas fir, bears N68°W, 63.90 feet, marked T3N R37E S35 BT.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

Found 2 1/2 inch aluminum cap, mkd. as shown, on 2 1/2 inch aluminum pipe, buried 4 inches.

From which:  
A 5/8 x 18 inch iron rod with yellow plastic cap, mkd: BGA SURVEY MARKER, out of the ground, bears North, 4.71 ft. dist.  
A 24 inch Douglas fir, alive and healthy, healed double blaze, bears N26°E, 45.94 ft. dist.  
A 5/8 x 18 inch iron rod with yellow plastic cap, mkd: BGA SURVEY MARKER, bears East, 7.60 ft. dist.  
A 23 inch Douglas fir, alive and healthy, healed double blaze, bears N68°W, 63.90 ft. dist.



**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

New accessories:  
A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears N1°38'E, 16.2 ft. dist.  
A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, above ground 3 inches with rock collar, bears N76°16'W, 8.6 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°41'14.59" N  
Long. 118°08'57.74" W

Established by: Trimble RTK

All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Posted and marked wilderness boundary N89°33'53"W from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

Accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Dewey Bruner and David Quittschreiber  
Date: 7-11-19

**Closing Section Corner of Sections 2 and 3, ( A-17 )  
also known as, North Fork Umatilla Wilderness Angle Point 931**

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Original corner established by Charles L. Campbell, under GLO Group No. 733, dated March 22, 1901.

Record states:  
At the point of intersection, I set a basalt stone 18x10x5 ins. 12 ins. in the ground for closing cor. of secs. 2 and 3, marked CC on S., 2 grooves on E. and 4 grooves on W. faces.

From which:  
Fir 12 ins. diam. bears S11°E, 25 lks dist marked T2N R37E S2 BT.  
Fir 12 ins. diam. bears S25°W, 19 lks marked T2N R37E S3 BT.

Corner remonumented by Duane I. Griffith, LS 644, as described by Surveyor's Report for Wilderness Boundary Survey under Contract No. 53-04R3-89-51, dated June 26, 1992.

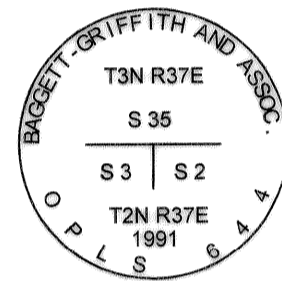
Record states:  
At record bearing and distance from found original tree, I set a 2 1/2" x 30" aluminum pipe with aluminum cap marked as shown, 24 inches in the ground.

From which:  
A 15 inch diameter Douglas fir, bears N32°E, 15.81 feet marked X BT.  
A 5/8 iron rod with yellow plastic cap marked BGA survey marker, bears S45°E, 4.29 ft. dist.  
A 12 inch diameter Douglas fir, bears S71°W, 49.71 feet marked T3N R37E S3 BT.  
A 6' steel fence post bears East, 3.22 feet with Land Survey Monument sign attached.

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

Found 2 1/2 inch aluminum cap, mkd. as shown, on 2 1/2 inch aluminum pipe, 6 inches above ground with t-post 3.5 ft. East.

From which:  
A 16 inch Douglas fir, alive with mistletoe, and healed double blaze, bears N32°E, 15.81 ft. dist.  
A 5/8 iron rod with illegible yellow plastic cap, bears S45°E, 4.29 ft. dist.  
A 16 inch Douglas fir, alive and healthy, with healed single blaze, bears S71°W, 49.71 ft. dist.



**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

New accessory:  
A 12 inch white fir, mkd: X BT on double blaze, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears S49°W, 66.0 ft. dist.

NAD 83 Geodetic Position:  
Lat. 45°41'14.74" N  
Long. 118°09'28.39" W

Established by: Trimble RTK

Bearings are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.


Posted and marked wilderness boundary S89°33'53"E from corner with Wilderness Boundary (27-6A) signs, and a Land Survey Monument (54-9) sign on nearby post.

Accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Dewey Bruner and David Quittschreiber  
Date: 7-2-19

UNION COUNTY  
SURVEYOR  
Date Received 12/10/19  
Date Filed 12/10/19  
By K.P.  
File No. 044-209

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR  
*Kristina Powell*  
OREGON  
MAY 9, 2017  
KRISTINA POWELL  
91201  
EXPIRES 12-31-20

Record of Survey Wallowa-Whitman National Forest		
LOCATED WITHIN Secs. 22, 28, 29, 31 & 32, T3N, R38E Secs. 35 & 36, T3N, R37E and Secs. 2 & 3, T2N, R37E Willamette Meridian, Union & Umatilla Counties, Oregon		
 <b>Wallowa Associates</b> 303 S.E. Alamo Street Enterprise, Oregon 97828 (541) 426-9049		
SCALE n/a	SHEET No. 8 of 9	DATE OF SURVEY Beginning: <u>8/27/2019</u> Ending: <u>9/11/2019</u>
DRAWN BY KLP DATE <u>11/2019</u>	CHECKED R.J.L.	PROJECT No. WA J141-05 / 2927



# Corner Records - Maintenance Corners

## North Fork Umatilla Wilderness Boundary Umatilla National Forest

### North Fork Umatilla Wilderness Angle Point 676

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Original corner established by David A. Schlaich, LS 2308, as described by Survey for the Umatilla National Forest, dated November 22, 1996.

**Record states:**

Set on the 5000 foot contour in a small draw, a 5/8" by 24" rebar with a 3 1/4 aluminum cap, flush with the ground, marked as shown.

**From which:**

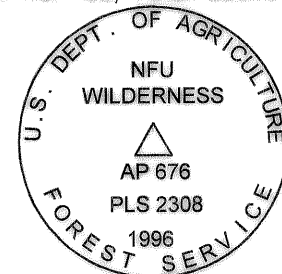
- A 10" white fir, N79 1/2°E, 10.6 feet, scribed "WB/676 BT."
- A 8" white fir, S27°W, 21.1 feet, scribed "WB/676 BT."

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

Found a 3 1/4 inch aluminum cap, mkd. as shown, on a 5/8 inch iron rod, 1 inch above ground with rock collar.

**From which:**

- A 12 inch white fir, alive and healthy, with healed double blaze, bears N79 1/2°E, 10.6 ft. dist.
- An 11 inch white fir, dead and standing, with healed double blaze, bears S27°W, 21.1 ft. dist.



**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

**New accessory:**

- A 5/8 x 30 inch iron rod with light blue plastic cap mkd: WALLOWA ASSOCIATES, bears N8°W, 26.3 ft. dist.

**NAD 83 Geodetic Position:**

Lat. 45°42'33.06" N  
Long. 118°04'13.14" W

Established by: Trimble RTK

All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Dakota Shadle and David Quittschreiber  
Date: 7-18-19

### North Fork Umatilla Wilderness Angle Point 684

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Original corner established by David A. Schlaich, LS 2308, as described by Survey for the Umatilla National Forest, dated November 22, 1996.

**Record states:**

Set at the point where a small draw intersects the center thread of Johnson Creek, a 6" steel fence post with land survey monument and wilderness boundary signs.

**From which:**

- RM, 5/8" x 24" rebar with 2" aluminum cap, set flush with the ground, N73 1/2°E, 26.8 feet.
- A 18" white fir, S78°E, 58.0 feet, scribed "WB/684 BT."

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

Found a 6 foot steel t-post at the intersection of small draw and Johnson Creek, bent over.

**From which:**

- A 25 inch white fir, alive and healthy, with "WB 684 B" visible in open double blaze, bears S78°E, 58.0 ft. dist.

Rebar not found.

**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

At exact point of found t-post, I set a new 6 foot steel t-post with Land Survey Monument (54-9) and Wilderness Boundary (27-6A) signs attached.

**New accessory:**

- A chiseled 2 inch BXO on South face of 4x3x1 foot basalt boulder, bears N28°E, 40.1 ft. dist.

**NAD 83 Geodetic Position:**

Lat. 45°42'34.9" N  
Long. 118°04'27.3" W

Established by Garmin Etrex handheld

All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Dakota Shadle and David Quittschreiber  
Date: 8-6-19

### North Fork Umatilla Wilderness Angle Point 712

**HISTORY OF ORIGINAL CORNER ESTABLISHED:**

Original corner established by David A. Schlaich, LS 2308, as described by Survey for the Umatilla National Forest, dated November 22, 1996.

**Record states:**

Set on the 4600 foot contour, a 5/8" by 24" rebar with a 3 1/4 aluminum cap, flush with the ground, marked as shown.

**From which:**

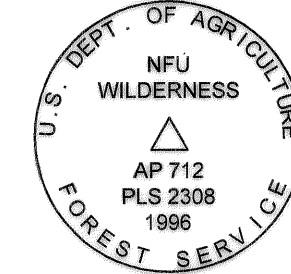
- A 22" white fir, N89 1/2°E, 25.8 feet, scribed "WB/712 BT."
- A 17" Douglas fir, N29 1/2°W, 74.2 feet, scribed "WB/712 BT."

**DESCRIPTION OF CORNER EVIDENCE FOUND:**

Found a 3 1/4 inch aluminum cap, mkd. as shown, on a 5/8 inch iron rod, buried 5 inches.

**From which:**

- A rotten fir stump with dead and down tree, bears N89 1/2°E, 25.8 ft. dist.
- A 23 inch Douglas fir, alive and healthy, with healed double blaze, bears N29 1/2°W, 74.2 ft. dist.



**DESCRIPTION OF MONUMENT AND ACCESSORIES ESTABLISHED TO PERPETUATE LOCATION OF THIS CORNER:**

**New accessory:**

- An 11 inch white fir, mkd: NFWU AP 712 BT on double blaze, with 3/4 inch brass tag in face mkd: LS 91201, and 2 1/2 inch MAG nail in right side center, bears S87 1/2°E, 63.2 ft. dist.

**NAD 83 Geodetic Position:**

Lat. 45°42'50.4" N  
Long. 118°04'58.5" W

Established by: Garmin Etrex handheld

Bearing are measured to the brass tag, and distances to the MAG nail, where used. All bearing trees are painted with 6 inch red bands, and have Bearing Tree (54-3) and Land Survey Monument (54-9) signs attached.

Set 6 foot steel t-post 5 feet easterly with Wilderness Boundary (27-6A) and Land Survey Monument signs on nearby post.

Accessories were taken using a Warren Knight staff compass with 14 1/4° East declination, and steel tape.

Witnesses: Kristina Powell, Dakota Shadle and David Quittschreiber  
Date: 8-7-19

UNION COUNTY  
SURVEYOR

Date Received 12/10/19  
Date Filed 12/10/19  
By [Signature]  
File No. 044-209

REGISTERED  
PROFESSIONAL  
LAND SURVEYOR

[Signature]

OREGON  
MAY 9, 2017  
**KRISTINA POWELL**  
91201

EXPIRES 12-31-20

**Record of Survey**  
Wallowa-Whitman National Forest

LOCATED WITHIN  
Secs. 22, 28, 29, 31 & 32, T3N, R38E  
Secs. 35 & 36, T3N, R37E and Secs. 2 & 3, T2N, R37E  
Willamette Meridian, Union & Umatilla Counties, Oregon

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

SCALE n/a	SHEET No. 9 of 9	DATE OF SURVEY Beginning: <u>9/27/2019</u> Ending: <u>9/11/2019</u>
DRAWN BY KLP DATE <u>11/2019</u>	CHECKED RJL	PROJECT No. WA J141-05 / 2927