

**SURVEY FOR
UMATILLA NATIONAL FOREST
OF
AP-3256 TO AP-3257
NORTH FORK JOHN DAY UNIT
NORTH FORK JOHN DAY WILDERNESS
LOCATED ON
THE SECTION LINE BETWEEN SECTIONS 7 & 18
T. 8 S., R. 34 E., W.M.
GRANT COUNTY, OREGON
JULY - AUGUST, 1995**

NARRATIVE:

PURPOSE:

THE PURPOSE OF THIS SURVEY WAS TO MONUMENT AND MARK THE BOUNDARY OF THE NORTH FORK JOHN DAY UNIT OF THE NORTH FORK JOHN DAY WILDERNESS FROM AP-3256 TO AP-3257 (CORNER OF SECTIONS 12 & 13, T. 8 S., R. 33 E., AND SECTIONS 7 & 18, T. 8 S., R. 34 E.).

HISTORY:

1883, FRANK W. CAMPBELL, U.S. DEPUTY SURVEYOR, SURVEYED THE RANGE LINE BETWEEN T. 8 S., R. 33 & 34 E., UNDER CONTRACT NO. 468.

1884, HERMAN D. GRADON, U.S. DEPUTY SURVEYOR, SUBDIVIDED THE TOWNSHIP UNDER CONTRACT NO. 499.

1992, DAVID A. SCHLAICH, RLS 2308, REMONUMENTED THE CORNER OF SECTIONS 12 & 13, T. 8 S., R. 33 E., AND SECTIONS 7 & 18, T. 8 S., R. 34 E., FROM ORIGINAL EVIDENCE.

1993, DAVID A. SCHLAICH, RLS 2308, REMONUMENTED THE CORNER OF SECTIONS 5, 6, 7 & 8, THE CORNER OF SECTIONS 8, 9, 16 & 17, AND THE CORNER OF SECTIONS 29, 30, 31 & 32, T. 8 S., R. 34 E. FROM ORIGINAL EVIDENCE.

1993, DAVID A. SCHLAICH, RLS 2308, SURVEYED THE SOUTH LINE OF SECTION 12, T. 8 S., R. 33 E. (GRANT CO. MAP SURVEY NO. 1305).

1993, DAVID A. SCHLAICH, RLS 2308, PERFORMED A GPS CONTROL SURVEY AND ESTABLISHED CONTROL POINTS BULL PRAIRE (9314), MOON MEADOW NO. 1 (9311), AND MOON MEADOW NO. 2 (9312) (GRANT CO. MAP SURVEY NO. 1310).

1994, DENNIS L. GAYLORD, PLS 1636, REMONUMENTED THE 1/4 CORNER OF SECTIONS 7 & 8, AND THE 1/4 CORNER OF SECTIONS 19 & 20 FROM ORIGINAL EVIDENCE.

PROCEDURES:

THE DESCRIPTION UTILIZED TO LOCATE THE WILDERNESS BOUNDARY WAS OBTAINED FROM THE PERMANENT OPEN 2320 FILES LOCATED IN THE SUPERVISOR'S OFFICE OF THE UMATILLA NATIONAL FOREST LOCATED AT PENDLETON, OREGON.

AP-3256 WAS ESTABLISHED AT A POINT IN A SMALL CREEK ON THE SECTION LINE COMMON TO SECTIONS 7 & 18, T. 8 S., R. 34 E. AS CALLED FOR IN THE DESCRIPTION.

THE SURVEY WAS CONDUCTED IN TWO PHASES. A GPS PHASE WHICH PROVIDED CONTROL FOR THE PROJECT AND A CONVENTIONAL SURVEY PHASE WHICH MONUMENTED THE SECTION LINE BETWEEN SECTIONS 7 AND 18, AND MARKED THE WILDERNESS BOUNDARY.

THE GPS PHASE OF THE SURVEY WAS CONDUCTED USING FEDERAL GEODETIC CONTROL COMMITTEE (FGCC) ORDER C 2-II SPECIFICATIONS AS A GUIDE. ALL COORDINATES PROVIDED ARE NAD83(1991) (OREGON HIGH PRECISION GEODETIC NETWORK).

THE EQUIPMENT USED WAS THREE TRIMBLE 4000SSE, DUAL FREQUENCY, RECEIVERS WITH EXTERNAL GEODETIC ANTENNAS, NIKON TRIBRACHS, AND STANDARD SURVEY TRIPODS. ANTENNA HEIGHTS WERE MEASURED USING WILD'S HEIGHT HOOK SYSTEM.

FAST STATIC CARRIER PHASE MEASUREMENTS AND DATA PROCESSING WAS USED ON ALL BASELINE MEASUREMENTS. THE BASELINE WERE THEN ADJUSTED USING LEAST SQUARES TECHNIQUES, WITH POINTS 9311, 9312, AND 9314 BEING USED AS FIXED CONTROL. ALL OF THE EXISTING MONUMENTS WERE TIED IN THIS PHASE OF THE SURVEY AND THE ADJUSTED GPS MEASUREMENTS WERE USED AS THE BASIS OF BEARING FOR THIS SURVEY.

THE CONVENTIONAL PHASE OF THIS SURVEY WAS CONDUCTED USING A TOPCON GTS-4 TOTAL STATION IN CONJUNCTION WITH THE BUREAU OF LAND MANAGEMENT'S CMM (CADASTRAL SURVEY MEASUREMENT MANAGEMENT SYSTEM) COMPUTER PROGRAM USING A MEAN PROJECT ELEVATION OF 5600 FEET.

DURING THE COURSE OF THIS SURVEY A DILIGENT SEARCH WAS CONDUCTED FOR THE 1/4 CORNER OF SECTIONS 7 & 12, THE CORNER OF SECTIONS 7, 8, 17 & 18, THE 1/4 CORNER OF SECTIONS 8 & 17, THE 1/4 CORNER OF SECTIONS 17 & 18, THE CORNER OF SECTIONS 17, 18, 19 & 20, THE CORNER OF SECTIONS 19, 20, 29 & 30, AND THE 1/4 CORNER OF SECTIONS 29 & 30, NONE OF WHICH WERE FOUND.

FINDING NO EVIDENCE OF THE CORNER OF SECTIONS 7, 8, 17 & 18 AND THE 1/4 CORNER OF SECTIONS 7 & 18, I DECLARE THEM TO BE LOST AND I RE-ESTABLISH THE CORNER OF SECTIONS 7, 8, 17 & 18 BY DOUBLE PROPORTIONATE MEASUREMENT AND THE 1/4 CORNER OF SECTIONS 7 & 18 BY SINGLE PROPORTIONATE MEASUREMENT.

THE BEARING TREES WERE TIED USING EITHER A WARREN-KNIGHT SURVEYOR'S COMPASS OR THE TOPCON GTS-4 WITH DISTANCE MEASUREMENTS BEING TAKEN AT SIDE CENTER ONE FOOT ABOVE THE ROOT CROWN. TREE DIAMETERS WERE MEASURED AT BREST HEIGHT. ALL NEW BEARING TREES ARE DOUBLE BLAZED AND HAVE A 3/4" BRASS WASHER STAMPED "RLS 2308" NAILED TO THE LOWER BLAZE BETWEEN THE "BT" SCRIBING.

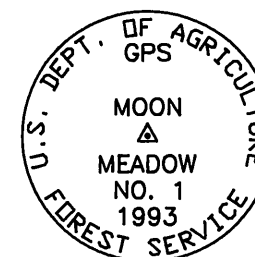
THE WILDERNESS BOUNDARY WAS BLAZED AND MARKED BY NAILING METAL WILDERNESS BOUNDARY SIGNS TO TREES WITHIN A 4 FOOT CORRIDOR OF THE SURVEYED BOUNDARY.

FIELD BOOKS ARE ON FILE AT THE SUPERVISOR'S OFFICE OF THE UMATILLA NATIONAL FOREST.

**9311
MOON MEADOW NO. 1 (SECTION 30, T. 7 S., R. 35 E.)**

FOUND A 3 1/4" ALUMINUM CAP SET FLUSH WITH THE GROUND, MARKED AS SHOWN, FROM WHICH:

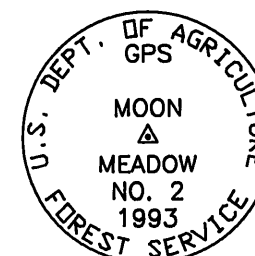
METAL FENCE POST WITH WILDERNESS BOUNDARY & LSM SIGNS, S. 27° E., 3.0 FEET.



**9312
MOON MEADOW NO. 2 (SECTION 30, T. 7 S., R. 35 E.)**

FOUND A 3 1/4" ALUMINUM CAP SET FLUSH WITH THE GROUND, MARKED AS SHOWN, FROM WHICH:

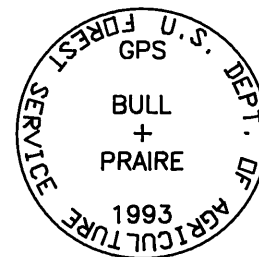
METAL FENCE POST WITH WILDERNESS BOUNDARY & LSM SIGNS, S. 55° W., 3.2 FEET.



**9314
BULL PRAIRE (SECTION 13, T. 8 S., R. 33 E.)**

FOUND A 3 1/4" ALUMINUM CAP SET FLUSH WITH THE GROUND, MARKED AS SHOWN, FROM WHICH:

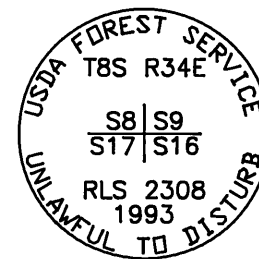
METAL FENCE POST WITH LSM SIGN, EAST, 4.0 FEET. S. 55° W., 3.2 FEET.



**9420
CORNER OF SECTIONS 8, 9, 16 & 17, T. 8 S., R. 34 E.**

FOUND A 2 1/2" ALUMINUM PIPE, WITH 3 1/4" ALUMINUM CAP, PROJECTING 10" OUT OF THE GROUND, MARKED AS SHOWN, FROM WHICH:

8" DOUGLAS FIR, N. 30° E., 24.1 FEET, SCRIBING "TBS R34E S9"BT" VISIBLE ON DOUBLE BLAZE (1993 BT).
15" DOUGLAS FIR, S. 9° E., 34.7 FEET, SCRIBING "TBS R34E S16"BT" VISIBLE ON DOUBLE BLAZE (1993 BT).
20" WESTERN LARCH, S. 66° W., 26.4 FEET, WITH HEALED BLAZE CHOPPED OPEN TO REVEAL SCRIBING (ORIGINAL BT).
7" LODGEPOLE PINE, N. 82° W., 26.9 FEET, SCRIBING "TBS R34E S8"BT" VISIBLE ON DOUBLE BLAZE (1993 BT).

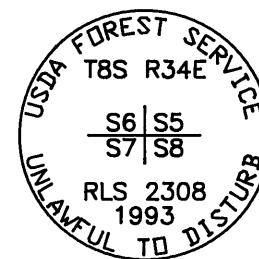


THE 1993 BT'S HAVE A 3/4" BRASS WASHER STAMPED "RLS 2308" NAILED TO THE LOWER BLAZE BETWEEN THE "BT" SCRIBING.

**9421
CORNER OF SECTIONS 5, 6, 7 & 8, T. 8 S., R. 34 E.**

FOUND A 2 1/2" ALUMINUM PIPE, WITH 3 1/4" ALUMINUM CAP, PROJECTING 6" OUT OF THE GROUND, MARKED AS SHOWN, FROM WHICH:

16" WESTERN LARCH, N. 77° E., 33.7 FEET, SCRIBING "TBS R34E S5"BT" VISIBLE ON DOUBLE BLAZE (1993 BT).
8" WESTERN LARCH, S. 36° E., 15.1 FEET, SCRIBING "TBS R34E S8"BT" VISIBLE ON DOUBLE BLAZE (1993 BT).
13" WESTERN LARCH SNAG, S. 30° E., 9.9 FEET, WITH HEALED BLAZE CHOPPED OPEN TO REVEAL SCRIBING (ORIGINAL BT).
7" WINDTHROWN WESTERN LARCH SNAG, S. 39° W., 19.1 FEET, WITH SCRIBING ON PARTIALLY HEALED BLAZE (ORIGINAL BT).
7" WESTERN LARCH, S. 46° W., 30.0 FEET, WITH SCRIBING "TBS R34E S7"BT" VISIBLE ON DOUBLE BLAZE (1993 BT).
19" WESTERN LARCH, N. 20° W., 12.5 FEET, WITH HEALED BLAZE (ORIGINAL BT).



THE 1993 BT'S HAVE A 3/4" BRASS WASHER STAMPED "RLS 2308" NAILED TO THE LOWER BLAZE BETWEEN THE "BT" SCRIBING.

REGISTERED
PROFESSIONAL
LAND SURVEYOR

David A. Schlaich

OREGON
JULY 16, 1987
DAVID A. SCHLAICH
2308

RENEWS 06/30/96