

RECORD OF SURVEY

SECTIONS 19, 25, 26, 28, 29, 33, 34 & 35, TOWNSHIP 8 SOUTH RANGE 26 EAST WILLAMETTE MERIDIAN, GRANT COUNTY, OREGON

NARRATIVE:

THE PURPOSE OF THIS SURVEY WAS TO LOCATE, MONUMENT, AND MARK THE BOUNDARIES OF NATIONAL FOREST SYSTEM LANDS (NFSL) LOCATED IN SECTIONS 19, 25, 26, 28, 29, 33, 34, & 35, TOWNSHIP 8 SOUTH, RANGE 26 EAST, WILLAMETTE MERIDIAN, GRANT COUNTY OREGON.

THIS SURVEY WAS CONDUCTED WITH GNSS INSTRUMENTATION, CONSISTING OF A PAIR OF TRIMBLE R8 BASE RECIEVERS, A TRIMBLE R10 GNSS ROVER, A TRIMBLE TSC2 CONTROLLER AND A TRIMBLE TSC3 CONTROLLER.

A PRIMARY PROJECT CONTROL POINT WAS ESTABLISHED PRIOR TO THE RTK SURVEY. THE CONTROL POINT WAS TIED TO THE NATIONAL SPATIAL REFERENCE SYSTEM (NSRS) WITH THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE (OPUS). THE OPUS SOLUTION REPORTED THE CONTROL POINT STATE PLANE COORDINATES, A COMBINED SCALE FACTOR OF 1.00005045 AND A CONVERGENCE ANGLE OF -1.93336492". A SECONDARY CONTROL POINT WAS TIED TO THE PRIMARY CONTROL POINT FOR A DUAL BASE STATION SETUP. ALL DISTANCES REPORTED ON THIS SURVEY ARE SCALED GROUND DISTANCES.

THE OREGON NORTH ZONE STATE PLANE COORDINATES TABLE VALUES LISTED HEREON ARE A PRODUCT OF THIS SURVEY.

THE RESTORATION OF LOST CORNERS AND THE SECTION SUBDIVISIONS WERE PERFORMED IN ACCORDANCE WITH THE PROCEDURES SET FORTH IN THE 2009 BLM MANUAL OF SURVEYING.

THE ORIGINAL LINE TREE FOR SECTIONS 33 & 34 WAS USED TO RESET THE SECTION CORNER TO THE NORTH AND AS A CONTROLLING MONUMENT FOR THE SUBDIVISION OF BOTH SECTIONS. THE DOUBLE PROPORTION CALCULATION FOR THE SECTION CORNER VARIED GREATLY FROM THE ORIGINAL FIELD NOTE CALLS. SINGLE POINT CONTROL WAS USED TO RE-ESTABLISH THE CORNER FOR SECTIONS 27, 28, 33, & 34.

FOR MONUMENTATION RECORDS SEE CERTIFIED RECORD OF LAND CORNER MONUMENTATION SHEETS FILED SEPERATELY IN THE GRANT COUNTY SURVEYOR'S OFFICE.

OVER THE LAST CENTURY, THIS AREA HAS BEEN SUBJECTED TO MULTIPLE WILDFIRES AND LOGGING PRACTICES THAT HAVE LED TO THE DETERIORATION OR DESTRUCTION OF MULTIPLE CORNERS AND THEIR ACCESSORIES.

AN EXTENSIVE AND DILIGENT SEARCH FOR ALL CONTROLLING CORNERS WAS PERFORMED DURING THIS SURVEY. RECORDS FROM THE GENERAL LAND OFFICE, BUREAU OF LAND MANAGEMENT, FOREST SERVICE AND GRANT COUNTY WERE REVIEWED TO ASSIST IN THE DETERMINATION AND PRESERVATION OF CORNER LOCATIONS. PHOTOGRAPHS OF CORNER EVIDENCE FROM APRIL OF 1965 WERE REVIEWED TO HELP WITH CORNER IDENTIFICATIONS. THE PHOTOGRAPHS ARE LOCATED IN THE CENTRAL FILE STORAGE CORNER CARD FILES OF THE UMATILLA NATIONAL FOREST SUPERVISOR'S OFFICE.

SURVEY HISTORY:
THE ORIGINAL EXTERIOR AND SUBDIVISION SURVEYS OF TOWNSHIP 8 SOUTH, RANGE 26 EAST WAS PERFORMED BY US DEPUTY SURVEYOR ALONZO GESNER UNDER CONTRACT # 266, DATED JUNE 20, 1877

A REMONUMENTATION SURVEY EXECUTED BY CADASTRAL SURVEYORS SCOTT R. MCINTYRE & A. JOSEPH GARRISON UNDER GROUP NUMBER 1000 WAS COMPLETED OCTOBER 19 1982

A REMONUMENTATION SURVEY EXECUTED BY CADASTRAL SURVEYOR STEPHEN R. LEE UNDER GROUP NUMBER 2500-1003 WAS COMPLETED JUNE 5, 2010

A RETRACEMENT AND SUBDIVISION OF SECTION 23 WAS PERFORMED BY D.I. GRIFFITH, PLS 644, IN JUNE OF 1984. SEE GRANT COUNTY RECORD OF SURVEY #827

BASIS OF BEARING:

THE BASIS OF BEARING IS THE NORTH-SOUTH LINE BETWEEN THE SOUTHWEST SECTION CORNER AND THE NORTHWEST SECTION CORNER OF SECTION 29, AS ESTABLISH FROM GEODETIC OBSERVATION.

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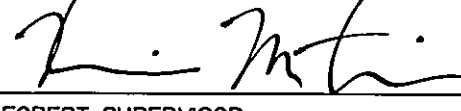
SHEET 10 OF 10 - DETAIL OF SECTION 35

RECEIVED AND FILED
GRANT COUNTY SURVEYOR

MAY 1 2 2015

BY: 

I CERTIFY THAT THIS SURVEY WAS PERFORMED AT THE REQUEST OF THE UMATILLA NATIONAL FOREST



FOREST SUPERVISOR

5/6/2015

DATE

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE
REGION 6 - UMATILLA NATIONAL FOREST

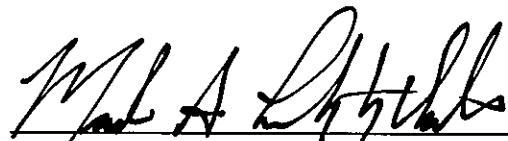
SURVEY FOR THE UMATILLA NATIONAL FOREST
KAHLER DRY FOREST RESTORATION PROJECT
LOCATED IN SECTIONS
19, 25, 26, 28, 29, 33, 34 & 35,
TOWNSHIP 8 SOUTH, RANGE 26 EAST
WILLAMETTE MERIDIAN, GRANT COUNTY, OREGON

SURVEY PERFORMED:
APRIL -- SEPTEMBER 2014

DRAWN BY: RWF

SHEET 1 of 10

I, MARK A. LICHTENTHALER, PROFESSIONAL LAND SURVEYOR IN THE STATE OF OREGON, HEREBY CERTIFY THAT THIS SURVEY AND NOTES HEREON ARE A TRUE AND CORRECT REPRESENTATION OF A SURVEY I CONDUCTED SEPTEMBER TO OCTOBER OF 2013, AT THE REQUEST OF THE UMATILLA NATIONAL FOREST, IN ACCORDANCE WITH THE STATUTES OF THE STATE OF OREGON.



SIGNATURE

5/6/2015

DATE

MARK A. LICHTENTHALER
UMATILLA NATIONAL FOREST
72510 COYOTE RD, PENDLETON, OREGON, 97801
541.278.3747

REGISTERED
PROFESSIONAL
LAND SURVEYOR

OREGON
JANUARY 18, 1994
MARK A. LICHTENTHALER
2645

EXPIRES 12--31--2016

STATE PLANE COORDINATE TABLE (METERS)				
Corner - Corner Designation	BLM GCDB #	Northing	Easting	
CONTROL POINT		130751.017	2568413.031	
SW-SW 1/64 Sec. 26	570220	130978.589	2573100.755	
C-E-E 1/64 Sec. 26	570240	131382.120	2573064.660	
SE-NE 1/64 Sec. 26	570250	131583.059	2573052.218	
S-S 1/64 Secs. 25 & 26	600210	130774.303	2573319.257	
S-N 1/64 Secs. 25 & 26	600250	131582.367	2573257.154	
N-N 1/64 Secs. 25 & 26	600270	131985.371	2573237.250	
W-W 1/64 Secs. 25 & 30	610200	130582.246	2573525.576	
SW-SW 1/64 Sec. 25	610210	130783.803	2573510.345	
C-N-NW 1/64 Sec. 25	620270	131992.780	2573634.322	
Line Tree Secs. 33 & 34	400170	130430.574	2570162.550	
E 1/4 Sec. 18	L5	200440	134454.232	
NW Corner of Sec. 19	N1	100400	133634.157	
W 1/16 Secs. 18 & 19	N2	120400	133635.921	
N 1/4 Sec. 19	N3	140400	133637.682	
NE Corner of Sec. 19	N5	200400	133687.907	
NE Corner of Sec. 20	N9	300400	133748.186	
W 1/4 Sec. 19	P1	100340	132846.409	
C-W 1/16 Sec. 19	P2	120340	132864.685	
W 1/4 Sec. 20	P5	200340	132918.606	
NW Corner of Sec. 30	R1	100300	132049.485	
C-W 1/16 Sec. 19	R2	120300	132074.482	
S 1/4 Sec. 19	R3	140300	132099.439	
NW Corner of Sec. 29	R5	200300	132149.305	
N 1/4 Sec. 29	R7	240300	132162.841	
NW Corner of Sec. 28	R9	300300	132176.376	
N 1/4 Sec. 28	R11	340300	132143.666	
NE Corner of Sec. 28	R13	400300	132110.985	
NW Corner of Sec. 26	R17	500300	132185.577	
N 1/4 Sec. 26	R19	540300	132182.910	
NW Corner of Sec. 25	R21	600300	132186.872	
N 1/4 Sec. 25	R23	640300	132196.488	
NE Corner of Sec. 25	R25	700300	132206.104	
N-W 1/16 Sec. 29	S6	220260	131736.550	
C-N 1/16 Sec. 29	S7	240260	131741.458	
N 1/16 Secs. 28 & 29	S9	300260	131751.266	
N-W 1/16 Sec. 28	S10	320260	131742.463	
W 1/4 Sec. 30	T1	100240	131252.562	
W 1/4 Sec. 29	T5	200240	131313.993	
C-W 1/16 Sec. 29	T6	220240	131317.030	
C 1/4 Sec. 29	T7	240240	131320.072	
W 1/4 Sec. 28	T9	300240	131326.155	
C-W 1/16 Sec. 28	T10	320240	131324.909	
E 1/4 Sec. 28	T13	400240	131321.172	
W 1/4 Sec. 26	T17	500240	131390.639	
W 1/4 Sec. 25	T21	600240	131380.867	
C-W 1/16 Sec. 25	T22	620240	131396.083	
C-E 1/16 Sec. 25	T24	660240	131426.319	
E 1/4 Sec. 25	T25	700240	131441.338	
S 1/16 Secs. 29 & 30	U5	200220	130896.333	
C-S 1/16 Sec. 29	U7	240220	130898.689	
S 1/16 Secs. 25 & 26	U21	600220	130976.490	
S-W 1/16 Sec. 25	U22	620220	130994.231	
S 1/16 Secs. 25 & 30	U25	700220	131047.254	
S 1/4 Sec. 30	V5	200200	130478.674	
S 1/4 Sec. 29	V7	240200	130477.303	
SE Corner of Sec. 29	V9	300200	130475.932	
W 1/16 Secs. 28 & 33	V10	320200	130489.796	
S 1/4 Sec. 28	V11	340200	130503.659	
NW Corner of Sec. 34	V13	400200	130531.386	
N 1/4 Sec. 34	V15	440200	130563.543	
SW Corner of Sec. 26	V17	500200	130595.699	
S 1/4 Sec. 26	V19	540200	130566.815	
SW Corner of Sec. 25	V21	600200	130572.114	
W 1/16 Secs. 25 & 36	V22	620200	130592.377	
S 1/4 Sec. 25	V23	640200	130612.641	
E 1/16 Secs. 25 & 36	V24	660220	131029.612	
SE Corner Sec. 25	V25	700200	130653.168	
N 1/16 Secs. 32 & 33	W9	300160	130089.222	
NW 1/16 Sec. 33	W10	320160	130100.485	
W 1/4 Sec. 33	X9	300140	129702.513	
C-W 1/16 Sec. 33	X10	320140	129711.176	
W 1/4 Sec. 34	X13	400140	129736.503	
W 1/4 Sec. 35	X17	500140	129799.467	
E 1/4 Sec. 35	X21	600140	129767.495	
SW 1/16 Sec. 33	Y10	320120	129321.864	
C-S 1/16 Sec. 33	Y11	340120	129327.923	
SE 1/16 Sec. 33	Y12	360120	129333.983	
S 1/16 Secs. 33 & 34	Y13	400120	129339.715	
C-S 1/16 Sec. 34	Y15	440120	129379.879	
Standard Corner Sec. 32&33	Z9	300100	128929.097	
W 1/16 Sec. 33	Z10	320100	128932.555	
S1/4 Sec. 33	Z11	340100	128936.012	
E 1/16 Sec. 33	Z12	360100	128939.470	
Standard Corner Sec. 33&34	Z13	400100	128942.927	
S 1/4 Sec. 34	Z15	440100	128992.037	
Standard Corner Sec. 34&35	Z17	500100	129003.237	
S 1/4 Sec. 35	Z19	540100	129025.896	
Standard Corner Sec. 35&36	Z21	600100	129048.537	