











**LEGEND**

-  Set USFS 3/4" Alum. Cap on 5/8" rebar, stamped PLS 9748
-  Certificate of Survey No. 2387,9008LS 11-07-95
-  Certificate of Survey No. 3150,7322LS 12-06-02
-  G.L.O. Record
-  Property Boundary, Marked and Posted by this survey to USFS, Region One Standards
-  Minor Subdivision Line
-  Section Line
-  Found, 3/4" B.L.M. Brass Cap on 2" Iron Pipe
-  Found, 3/4" Alum. Cap Monument
-  **N.F.S.L** National Forest System Lands

# CERTIFICATE OF SURVEY

DEPENDANT RESURVEY AND SECTION SUBDIVISION  
A PORTION OF THE SOUTHWEST QUARTER OF SECTION 33,  
TOWNSHIP 36 NORTH, RANGE 27 WEST, P.M.,MT.,  
LINCOLN COUNTY, MONTANA  
USDA FS KOOTENAI NATIONAL FOREST – UPPER BANKS DRAW  
CONTRACT NO. AG-82B1-D-09-0009  
LINCOLN COUNTY, MONTANA  
AUGUST – NOVEMBER 2009

**PURPOSE OF SURVEY**

THE PURPOSE OF THIS SURVEY IS TO RETRACE AND MARK A PORTION OF THE BOUNDARIES BETWEEN PUBLIC AND PRIVATE LAND OF AN EXISTING RECORD PARCEL, CAUSING NO DIVISION OF LAND (SECTION 76-3-404 MCA).

**BASIS OF BEARINGS**

BEARING DATUM IS UNIVERSAL TRANSVERSE MERCATOR (UTM), ZONE 11 NORTH, NAD83, DERIVED FROM GPS STATIC OBSERVATIONS USING TRIMBLE 4000 AND 4700SSI DUAL FREQUENCY RECEIVERS. COORDINATE DATUM HAS A COMBINED STATE PLANE AND SEA LEVEL FACTOR (CAF) OF 1.000325392 DIRECTLY APPLIED TO UTM, ZONE 11 NORTH, NAD83 COORDINATE DATUM IN ORDER TO REPRESENT ACTUAL GROUND DISTANCES. GEODETIC NORTH FROM UTM IS AN ANGULAR ROTATION OF 1'26"01" TO THE RIGHT AT THE CENTER OF SECTION 33.

**HISTORY OF SURVEY**

- 1893, Original G.L.O. Subdivision portion of Township by Peter McCardell and Abram L. Jaqueth.
- 1903, Original G.L.O. Subdivision of Township by Abraham L. Rinearson & Gordon C. Smith.
- 1967-1970, B.L.M. Remonumentation of G.L.O. corners by R. Leedy, W. Damm & J. French.
- 1995, Dependent Survey S32, T36N, R2W, P.M., MT. by Ronald A. Pearson 9008LS, C.S. No. 2387.
- 2002, Dependent Survey S4, T35N, R27W, P.M., MT. by Alvan F. Hughes 7322LS, C.S. No. 3150.

**FOREST SUPERVISOR'S CERTIFICATE**

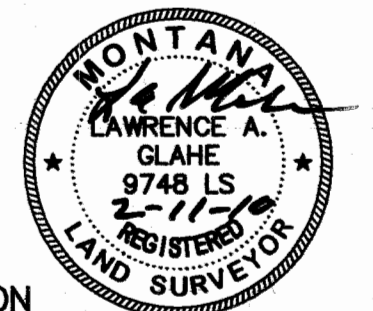
THIS SURVEY WAS MADE AT MY REQUEST FOR NATIONAL FOREST MANAGEMENT PURPOSES.

*Carmi Winslow*  
FOREST SUPERVISOR

2/16/10  
DATE

**SURVEYOR'S CERTIFICATE**

I HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR IN THE STATE OF MONTANA, THAT THE SURVEY SHOWN ON THIS CERTIFICATE OF SURVEY HAS BEEN PREPARED IN CONFORMANCE WITH MONTANA CODE ANNOTATED (SECTIONS 76-3-101 THROUGH 76-3-614) AND THE LINCOLN COUNTY REGULATIONS ADOPTED PURSUANT THERETO.



**LINCOLN COUNTY EXAMINING LAND SURVEYOR'S CERTIFICATION**

EXAMINED THIS 23<sup>rd</sup> DAY OF February 2010, A.D.

*Ronald A. Pearson*  
RONALD A. PEARSON, PLS 9008LS

**CERTIFICATE OF CLERK AND RECORDER**

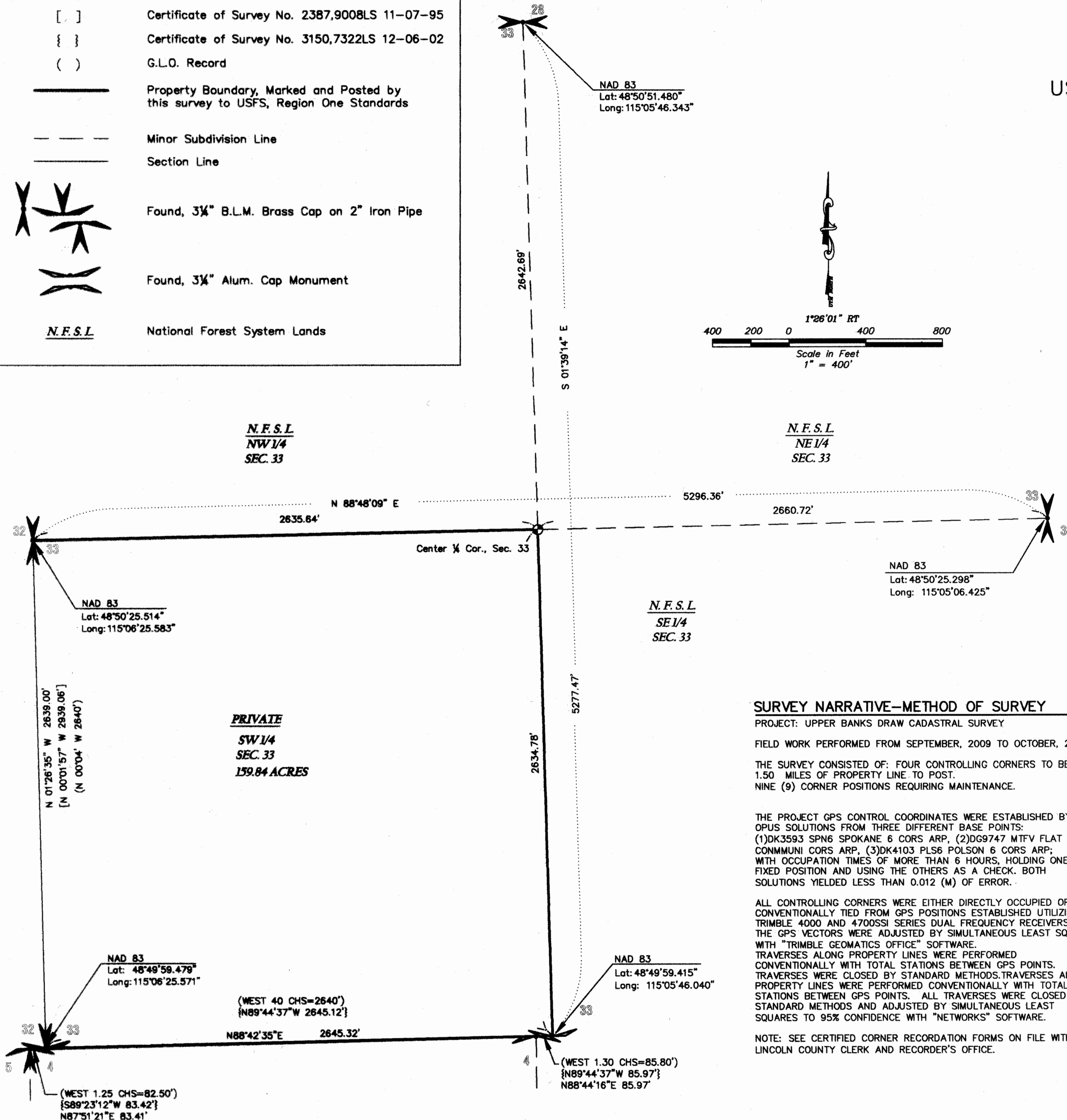
STATE OF MONTANA, COUNTY OF LINCOLN,  
FILED THIS 25<sup>th</sup> DAY OF Feb, 2010, A.D., AT 11:40 O'CLOCK A.M.

*Jeremy D. Lauer*  
COUNTY CLERK RECORDER

*Jeannie Dinnis*  
DEPUTY

DOCUMENT NO. 224650

CERTIFICATE OF SURVEY NO. 3994



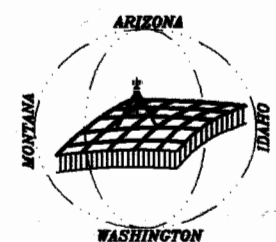
**SURVEY NARRATIVE-METHOD OF SURVEY**

PROJECT: UPPER BANKS DRAW CADASTRAL SURVEY  
FIELD WORK PERFORMED FROM SEPTEMBER, 2009 TO OCTOBER, 2009.  
THE SURVEY CONSISTED OF: FOUR CONTROLLING CORNERS TO BE TIED; 1.50 MILES OF PROPERTY LINE TO POST.  
NINE (9) CORNER POSITIONS REQUIRING MAINTENANCE.

THE PROJECT GPS CONTROL COORDINATES WERE ESTABLISHED BY NGS OPUS SOLUTIONS FROM THREE DIFFERENT BASE POINTS:  
(1)DK3593 SPN6 SPOKANE 6 CORS ARP, (2)DG9747 MTFV FLAT HEAD COMMUNI CORS ARP, (3)DK4103 PLS6 POLSON 6 CORS ARP;  
WITH OCCUPATION TIMES OF MORE THAN 6 HOURS, HOLDING ONE FIXED POSITION AND USING THE OTHERS AS A CHECK. BOTH SOLUTIONS YIELDED LESS THAN 0.012 (M) OF ERROR.

ALL CONTROLLING CORNERS WERE EITHER DIRECTLY OCCUPIED OR CONVENTIONALLY TIED FROM GPS POSITIONS ESTABLISHED UTILIZING TRIMBLE 4000 AND 4700SSI SERIES DUAL FREQUENCY RECEIVERS. THE GPS VECTORS WERE ADJUSTED BY SIMULTANEOUS LEAST SQUARES WITH "TRIMBLE GEOMATICS OFFICE" SOFTWARE.  
TRAVERSES ALONG PROPERTY LINES WERE PERFORMED CONVENTIONALLY WITH TOTAL STATIONS BETWEEN GPS POINTS. ALL TRAVERSES WERE CLOSED BY STANDARD METHODS. TRAVERSES ALONG PROPERTY LINES WERE PERFORMED CONVENTIONALLY WITH TOTAL STATIONS BETWEEN GPS POINTS. ALL TRAVERSES WERE CLOSED BY STANDARD METHODS AND ADJUSTED BY SIMULTANEOUS LEAST SQUARES TO 95% CONFIDENCE WITH "NETWORKS" SOFTWARE.

NOTE: SEE CERTIFIED CORNER RECORDATION FORMS ON FILE WITH THE LINCOLN COUNTY CLERK AND RECORDER'S OFFICE.

1/4	SECTION	TOWNSHIP	RANGE		<b>CERTIFICATE OF SURVEY</b> FOR <b>K.N.F. – UPPER BANKS DRAW</b>
33	36	N	27		<b>GLAHE &amp; ASSOCIATES</b> PROFESSIONAL LAND SURVEYORS 303 Church Street Sandpoint, Idaho 83864
Project No. 09-045 KNP    File Name: 09045 ROS    Plot Date: 2/11/10				Scale: 1" = 400' Checked By: LAG    Drawn By: TRP Date: OCT. 2009    Sheet: 1 of 1	