

CERTIFICATE OF SURVEY DEPENDENT RESURVEY AND SECTION SUBDIVISION OF SECTION 12. T.30 N., R.34 W., P.M., MT.

KOOTENAI NATIONAL FOREST
LINCOLN COUNTY, MONTANA

MARCH 1994

FOREST SUPERVISOR'S CERTIFICATE

This survey was made at my request for National Forest Management purposes.

Robert L. Schrenk
Robert L. Schrenk, Forest Supervisor

29 MARCH
Date

PURPOSE OF SURVEY:

The purpose of this survey is to locate upon the ground, the title lines of record between Private and National Forest Lands. No division of land is hereby created.

METHOD OF SURVEY:

A one second Total Station and Data Collector was used with closed traverse procedures to tie original controlling corners. The location of the monuments set this survey meet the positional tolerance standard referenced in the USDA, Forest Service, Region One, Cadastral Contract Specification Manual, dated March 1987. The StarNet Network Analysis and Least Squares Adjustment Program was used for control net adjustment.

BASIS OF BEARING:

Bearings are based on the Geodetic Azimuth from the 1st Order NGS Control Station, Freeman and Freeman Azimuth Mark.

HISTORY OF SURVEY:

1893 Original G.L.O. survey of Lake Creek Guide Meridian by D. F. Mumbe.
1913 G.L.O. resurvey of Lake Creek Guide Meridian by L. D. Lyman and R. C. Durnford.
1914 Original G.L.O. subdivision by L. D. Lyman and R. C. Durnford.

LEGAL DESCRIPTION:

PRIVATE LANDS: NW1/4 NW1/4; N1/2 NE1/4 SW1/4 NW1/4; N1/2 NW1/4 SE1/4 NW1/4
NFSL: NE1/4; SE1/4; SW1/4; NE1/4 NW1/4; NE1/4 SE1/4 NW1/4; SE1/4 SE1/4 NW1/4
S1/2 NW1/4 SE1/4 NW1/4; SW1/4 SE1/4 NW1/4; S1/2 NE1/4 SW1/4 NW1/4
SE1/4 SW1/4 NW1/4; NW1/4 SW1/4 NW1/4; SW1/4 SW1/4 NW1/4.

SURVEYOR'S NOTES:

A GPS control net was established using Trimble 4000 ST to provide geographic reference to this survey using the Montana state plane coordinate system, NAD 83. A 1986 NGS station mark known as "Freeman" and "Freeman Az", Lat. 48°24'50.8"N, Long. 115°55'28.5"W, was tied for coordinate reference. Values shown on this Certificate of Survey have been scaled to a project elevation of 3400 ft. for a combined sea level and scale factor of 0.99952094 and a convergence angle of -4°41'02.35" at the section corner common to sections 1, 12, 11, and 2, Lat. 48°23'05.85"N, Long. 115°54'11.61"W.

All controlling corners used to subdivide this section were recovered original GLO or BLM remonumentation thereof, except for the West 1/4 corner which was lost. Corner Recordations have been filed with the Clerk and Recorder's Office Lincoln County Courthouse, Libby Montana, for all corners found or set as shown on this Certificate.

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 has been prepared in accordance with Montana Code Annotated (Sections 76-3-101 through 76-3-614) and the Lincoln County regulations adopted pursuant thereto.

Alvah F. Hughes 7322-LS 3-29-94
Alvah F. Hughes Montana Registration No. 7322LS

CERTIFICATE OF EXAMINING OFFICIAL:

Approved this *4th* day of *April*, 199*4*, A.D.

Examining Official *Bill Buckholz*

Approved *Dr. Williams*
Chairman, Lincoln County Commissioners

CERTIFICATE OF CLERK AND RECORDER:

State of Montana, County of Lincoln, filed this *4th* day

of *April*, 199*4*, A.D. at *2:20* o'clock *A.M.*
Curt A. Cummings by *Francie Alexia*
County Clerk Recorder Deputy

CERTIFICATE OF SURVEY NO. *2179*

