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

KOOTENAI NATIONAL FOREST LINCOLN COUNTY, MONTANA MARCH 1994

(N 89°53'00" W 81.02 CHS. 5347.32') S 89°49'40'' E 2659.89 FOUND ORIGINAL STONE REMONUMENTED PVT NFSL 1/4 FOUND ORIGINAL STONE REMONUMENTED 664.97 1329.95 ' 664.97 NFSL PVT NF\$L NFSL NWI/4 NWI/4 NEI/4 NE1/4 NWI/4 2620. S 89°52'08" W 5280. 664.55 664.55 ∞ 664.55 529 PVT PVT 90,10,0 O NI/2 NW 1/4 SEI/4 MWI/4 NI/2 NEI/4 SWI/4 NWI/4 CH NFSL 664.44 00 ≥ NEI/4 SEI/4 NWI/4 S 89°47'34" W 28" S 80. NFSL SI/2 NEI/4 SWI/4 NWI/4 SI/2 NWI/4 SEI/4 NWI/4 800 0.05 664.35 664.34 664.35 0.05 S 89°43'01" W SCALE IN FEET Z 1'' = 400 feetNFSL NFSL SEI/4 SWI/4 NWI/4 SWI/4 SEI/4 NWI/4 SEI/4 SEI/4 NWI/4 SWI/4 SWI/4 NWI/4 664.151 664.141 664.141 664.15 FOUND ORIGINAL STONE REMONUMENTED 2725.44 2656.581 S 89°33'53'! W NFSL NFSL SEI/4 SWI/4 LEGEND Original Corner Monument — Remonumented with a 2 1/2" x 30" aluminum pipe with a 3 1/4" diameter aluminum cap marked 7322 LS BLM Monument - a 2 1/2" iron pipe with a 3 1/4" diameter brass cap 1/4 Section Corner — Set by Single Proportion a 2 1/2" x 30" aluminum pipe with a 3 1/4" diameter aluminum cap marked 7322 LS Monument Set this Survey: a 3/4" x 30" aluminum rod with a 31/4" diameter aluminum cap marked 7322LS Section Lines Subdivision Lines National Forest Boundary marked and posted to USFS Region One standards

1913 GLO Record

FOREST SUPERVISOR'S CERTIFICATE
This survey was made at my request for National Forest Management purposes.

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Date

ALVAH F. HUGHES 7322 LS

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.

Robert L. Schrenk, Forest Supervisor

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; SW1/4 SW1/4 NW1/4; 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.

Alvan F. Hughes Montana Registration No. 7322LS

CERTIFICATE OF EXAMINING OFFICIAL:

Approved this 4th day of april 1994, A.D.

Examining Official

Approved Orell. Williams
Chairman, Lincoln County Commissioners

CERTIFICATE OF CLERK AND RECORDER:

CERTIFICATE OF SURVEY NO. 2/79