DATE: 02/06/2008 PREPARED BY: B. Reid

## SILVICULTURAL PRESCRIPTION

TWP \_\_\_\_ RNG \_\_\_ SEC \_\_\_ FORVIS OR STAND # Hand Unit; FIELD OFFICE Lewistown

AVG ELEV. & RANGE 5600 - 5800 ASPECT S-SW SLOPE Variable 0% - 60%

HABITAT TYPE: Moderate/Dry Douglas-fir (See JMLA for full description) ACRES 111

**PRIMARY OBJECTIVE:** Forest health; specifically Fuels Reduction in the WUI and along major travel routes and improved wildlife habitat

SECONDARY OBJECTIVE(S): Local economics

DESCRIPTION OF EXISTING STAND: This portion of the Maiden project area is defined by mostly steep, shallow soiled or rocky slopes. The vegetation consists mostly of an open overstory of Douglas-fir along with marginal stands of Lodgepole Pine scattered throughout. The understory is fairly depauperate in the Lodgepole while the Douglas-fir stands consist of Snowberry, Kinnikinnick, rose, Oregon grape, hawthorn, buffalo berry and choke cherry. In addition to the conifer overstory small areas of desirable deciduous trees occur such as Aspen and Birch. Several areas of scree and rock outcroppings exist in the timbered areas. Some areas of the Douglas-fir stands have dense understory of Douglas-fir trees less than 25 years old in the .5" – 6" diameter class. Most of the understory trees appear to be in poor condition due to stand densities. However, a scattered few would release if given enough space to grow. There are a few Ponderosa Pine in the 10" to 24" DBH scattered but no one area has a large quantity.

CONSTRAINTS TO MEETING OBJECTIVES: 29 acres has good access via public road. However the remaining area has no public road access and completion of work will require either walk and/or the cooperation of adjacent landowners to provide limited access on private roads.

 TARGET STAND:
 STRUCTURE:
 Even-age in the LPP and un-even aged in the DF stands

 % SPP MIXES:
 65-75% PP;
 25-35%DF; less than 10% in LPP

DESIRED STOCKING LEVELS: <u>BASAL AREA = 40 – 100 Sq Ft (In the overstory; trees > 10" DBH)</u>

**DESCRIPTION OF TARGET STAND:** LPP stands will be managed as even aged. By thinning to a desired spacing or as patch clearcuts of less than 10 acres. The DF sites will be fairly open sites that encourage PP as the dominant species. The stand will be a serious of open areas along with some more closed canopy with an average of 100 sq ft of Basal Area or less per acre.

CONSTRAINTS TO MEETING TARGETS: Steep rocky ground along with walk-in access may limit acres of accomplishments.

NARRATIVE PRESCRIBED TREATMENT: Old patch cuts (LPP) that have regenerated will be thinned to a 10' – 12' spacing favoring the healthiest trees. Some gall rusts exists in these regeneration areas. Leave trees should be free from gall rust (especially on the bole of the tree). 29 acre Marginal LPP site (below road) will be thinned as a fuel break. Leave trees will favor DF and PP over 8" DBH and all hardwood species.

In the DF stands thin from below all trees taller than 12" and less than 8" DBH. Remove all LPP in these size classes; leave only the very best PP in size classes greater than 4".

Where hardwoods occur treatments may be altered to favor hardwood growth and/or expansion of the area.

Hand-pile and/or lop and scatter all slash from all cut material in preparation for burning

Under-burning may occur to further reduce slash and litter and to allow stimulate growth of desired trees, shrubs, forbs and grasses.

## Appendix A2

Treatment	Acres	Cost/Acre	Total Cost	Sub-Activity	Est. Date
Understory thinning	111			2824	Spring 09'
Slash Treatment	111			2824	Fall 09'
Burn Slash Piles	111			2824	Winter 11'
Broadcast Burn	111			2824	Spring 12'
Monitor	111			2824	FY10 -13
Begin Maintenance Treatments	111			2824	FY 13'