

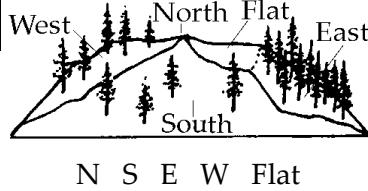
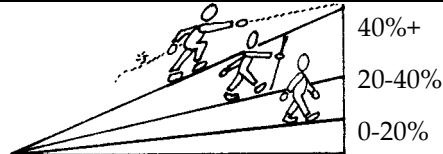
PLOT FORM

MONTANA STATE UNIVERSITY | EXTENSION
 Extension Forestry 32 Campus Dr. Missoula, MT 59812-0606

2020 Landowner _____ Date _____

Management Unit _____ Plot # _____

1. Slope Percent



3. Forest Structure

#

(1-20)

4. Shrub Understory



Yes

No

5. Soil Considerations

Organic Layer Depth

- Heavy >2 inches
- Light <2 inches

Soil Depth

- Deep >2 feet
- Shallow <2 feet
- Absent 0 feet/rock

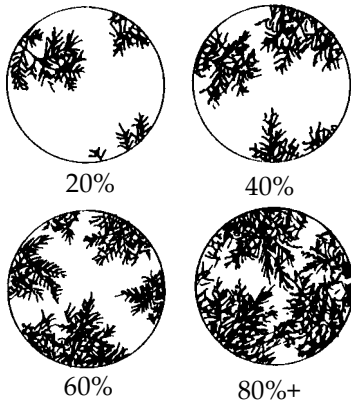
Texture/Compaction

- Rocky (check all that apply)
- Gravelly
- Fine textured

Drainage

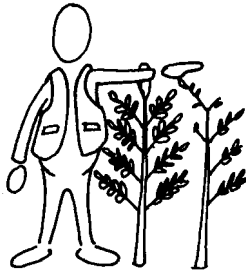
- Well drained
- Poorly drained

6. % Tree Crown Cover



7. Seedling & Sapling Information (16.7' radius) Stop @ 20 total count

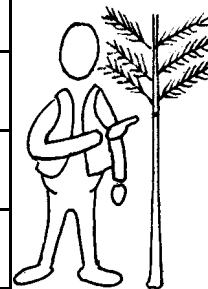
Seedling (.5' to 4.5')



Good Poor

Species	Good	Poor

Sapling (>4.5', <5" DBH)



Species	Good	Poor

8. Large Tree Information (choose and use one plot size for all plots)

9. 1st Large Tree

Acre radius (circle one) 1/10 37.2' 1/50 16.7'									
	Condition (1-4)				Condition (5-8)				Dead
Species									
5-9" DBH									
9-15" DBH									
15-20" DBH									
20"+ DBH									

	Primary Species 1st Large	Secondary Species 1st Large	Other Species
	Species		
	DBH		
	Total Age		
Rings/ 1 inch			

10. Stand Health/Appearance (visible from plot)

Insects:

- Bark Beetle
- Spruce Budworm
- Other _____

Disease:

- Root Rot
- Mistletoe
- Gall Rust
- Conks
- Other _____


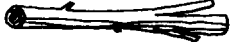



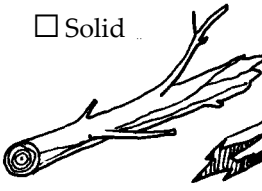

Animal damage:

- Deer/Elk
- Porcupine
- Cattle
- Other _____

Appearance:

- Sweep
- Fork
- Crook
- Fire Scar
- Other _____

11. Down Woody Debris (visible from plot)

Material Size	Arrangement	Stage of Decay
 <input type="checkbox"/> 0-6"  <input type="checkbox"/> 6-12"  <input type="checkbox"/> 12"+ (diameter at large end; must be ≥ 6' long)	<input type="checkbox"/> Contiguous <input type="checkbox"/> Suspended above 24" <input type="checkbox"/> Dispersed <input type="checkbox"/> Piled (man-made)  	<input type="checkbox"/> Solid <input type="checkbox"/> Decayed  

12. Wildfire-Fuels (visible from plot)

Trees with fuel ladders High > 30% Med 10 – 29% Low < 10%

Tree crowns touching High > 50% Med 10 – 49% Low < 10%

Fine fuels (grasses taller than 2ft, > 2" deep pine needles, brush, branches)
 High Med Low

Large fuels (branches larger than 2 inches diameter, logs) ----- High Med Low

Overall Wildfire Risk (total checked below)

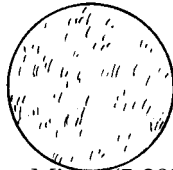
High (any 2 highs marked)

Moderate (2 or more med)


Low (1 med or less)

13. % Ground Cover (16.7' radius)



Use diagrams to determine forage %
 Think of putting all the grasses together, what % would they cover?
 Absent = 0

 Minor (5-20%)	GRASSES				FORBS				SHRUBS			
	0-5%	5-20%	20-40%	40%+	0-5%	5-20%	20-40%	40%+	0-5%	5-20%	20-40%	40%+
Native/Acceptable												
Weeds/Invaders	0	1-5%			0	1-5%			0	1-5%		
List understory plant species present (include weeds)												

14. Cattle Forage Use

		
Absent or Light	Moderate	Heavy

15. Deer/Elk Forage Overuse

	
No	Yes

16. Presence of Pellets/Scat (at and between plots)

(Relative size) deer elk moose bear Other

in. 1 2 3 in. 1 2 3 in. 1 2 3 in. 1 2 3

17. Other Wildlife Sign (at and between plots)

<input type="checkbox"/> Noxious Weeds	<input type="checkbox"/> Wetlands	<input type="checkbox"/> Survey Markers	<input type="checkbox"/> Cultural/ Archeological
<input type="checkbox"/> Snags	<input type="checkbox"/> Riparian Areas	<input type="checkbox"/> Threatened/ Endangered	<input type="checkbox"/> Wallows
<input type="checkbox"/> Access Concerns	<input type="checkbox"/> Tracks	<input type="checkbox"/> Down Fences	

18. General Observations (at and between plots)
