

PLOT FORM

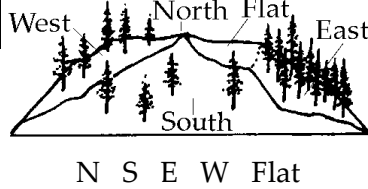
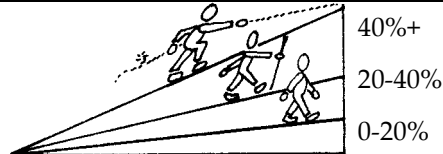
MONTANA STATE UNIVERSITY | EXTENSION
 Extension Forestry 32 Campus Dr. Missoula, MT 59812-0606

2024

Landowner _____ Date _____

Management Unit _____ Plot # _____

1. Slope Percent



2. Aspect

3. Forest Structure

4. Shrub Understory

#

(1-20)



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

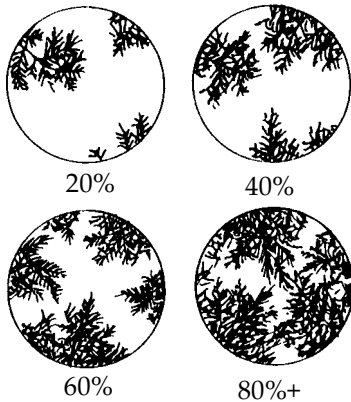
Texture/Compaction

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

Drainage

- Well drained
- Poorly drained

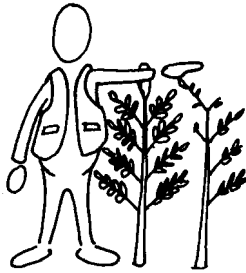
6. % Tree Crown Cover



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

Seedling

(.5' to 4.5')

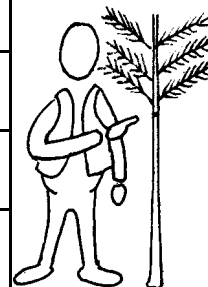


Good Poor

| 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) | | | |
| 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 _____



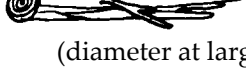


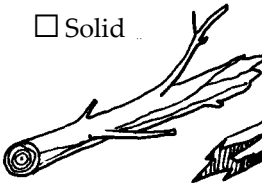

Animal damage:

- 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)

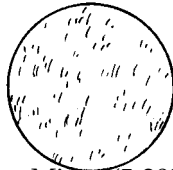
- Trees with fuel ladders** High > 30% Med 10 – 29% Low < 10%
Tree crowns touching High > 50% Med 10 – 49% Low < 10%
Fine fuels (grasses taller than 2ft, > 2" deep pine needles, brush, branches)
 High Med Low
Large fuels (branches larger than 2 inches diameter, logs) ----- High Med Low

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











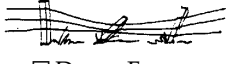
| | |
|---|---|
|  |  |
| No | Yes |

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

(Relative size)

| | | | | |
|---|---|--|---|--------------------------------|
| <input type="checkbox"/> deer | <input type="checkbox"/> elk | <input type="checkbox"/> moose | <input type="checkbox"/> bear | <input type="checkbox"/> 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)
