### Missouri Master Logger Certification
Forest Harvest Management Plan

<table>
<thead>
<tr>
<th>Date:</th>
<th>Timbersale Name:</th>
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<tbody>
<tr>
<td>Plan Developer:</td>
<td>Acreage:</td>
</tr>
<tr>
<td>Ownership:</td>
<td>Legal Description:</td>
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</tbody>
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**Silvicultural Objectives ~ Description of Clearcut Harvest Area**

*Pre-Harvest Stand Description*

*Desired Natural Regeneration Map-cover in 5 Years by Stand #*

*Natural Regeneration Silvicultural Objectives*

*Desired Artificial Regeneration Map-cover in 5 Years by Stand#*

*Artificial Regeneration Silvicultural Objective*

*Harvest Specifications*

*Leave Trees*

**Silvicultural Objectives ~ Description Select Cut Harvest Area**

*Pre-Harvest Stand Description*

*Stands Thinned for Regeneration*

*Stands Not Thinned for Regeneration*

*Desired Post-Harvest Map-cover in 5 Years by Stand#*

*Silvicultural Objective*

*Harvest Specifications*

*Leave Trees*

**Silvicultural Objectives ~ Description Shelterwood Harvest Area**

*Pre-Harvest Stand Description*

*Desired Map-cover in 5 Years by Stand#*

*Silvicultural Objective*

*Harvest Specifications*

*Leave Trees*
Road Plan

☐ Road existing, no work needed

☐ Road existing, improvement needed
  Stream Crossing
    • Stream crossing needs replacement or improvement

  Drainage
    • Ditching
    • Crowning
    • Culverts
    • Geotextile
    • Filter Fabric

☐ Road, New
  Drainage
    • Ditching
    • Crowning
    • Culverts
    • Geotextile
    • Filter Fabric

  Stream Crossing
    • Permit
    • Culvert
    • Ford
    • Bridge
    • Temporary
    • Diversions

  Wetland Crossing
    • Permit
    • Silvicultural Exemption
    • Proper Fill/Filter Materials
    • Drainage
    • Frozen Conditions

  Road Closeout
    • Water Bars
    • Grading
    • Seeding
    • Access Barriers
### Wildlife/Biodiversity/Special Area Considerations

- Protect/retain snag and cavity trees
- Protect/retain downed woody material (coarse woody debris)
- Maintain mast producing tree species
- Retain hardwood inclusions for softwood stands
- Retain softwood inclusions for hardwood stands
- Protect/retain understory conifers in hardwood stands
- Maintain large tree/old growth patches
- Protect active raptor nest trees
- Protect rare plant colonies/populations

### Other wildlife/biodiversity considerations:

**Do special areas exist on or adjacent to harvest areas?**
- Yes
- No

*If yes, describe special areas and how it is managed:*

### Wildlife/biodiversity/special area harvest specifications:

**Stream/Lake and Non-forested Wetland Considerations**

- No stream-lake features required buffer
- All stream-lake features within the harvest area that require a buffer are buffered 100’ or more
- Buffer strips on all stream/lake features within harvest area that are less than 100’ meet the following conditions
  - 1-10% slope ~ 50 feet
  - 11-20% slope ~ 51-70 feet
  - 21-40% slope ~ 71-100 feet

  **Buffer strip has adequate vegetation (shrubs, grasses, trees) to provide sufficient soil stabilization and water filtration of run-off from adjacent harvest site.**

  **Soil disturbance with buffer strip during harvesting will be minimized and will not contribute to increased risk of sedimentation of adjacent streams and/or lakes.**

  **Adequate shading of adjacent streams and/or lakes will be maintained.**

### Other stream/lake considerations:

**Any significant non-forested wetlands:**
- Yes
- No

*If yes, please describe:*
Visual Management Harvest Specifications

- **Sensitivity Level 1**: All slash within 50’ of road will be removed/minimized by lopping within 3’ of ground as job progresses.
- **Sensitivity Level 2**: All slash within 25’ of road will be removed/minimized by lopping within 3’ of ground.
- **Sensitivity Level 3**: Minimize visual impacts of slash adjacent to road.

For all harvest jobs: The area will be free of trash and litter, there will be no slash in cleared road right-of-way, no trees felled across ownership boundaries, all limbs and tops will be removed from streams, and appropriate steps will be taken to minimize rutting.

Other Visual Management Harvest Specifications:

Landscape Considerations:
- Does a landscape plan exist for this harvest area?
  - Yes
  - No
  - If yes, landscape plan title:

- Is this harvest plan consistent with the landscape plan?
  - Yes
  - No
  - If harvest plan is not consistent, describe why not:

Describe special landscape practices:

Site Operability Considerations
- Are there soils that are susceptible to erosion and/or rutting within the harvest area?
  - Yes
  - No
  - If yes, specify logging considerations to reduce risk of erosion and rutting in the Harvest Specifications below.

- Are there steep slopes within the harvest area that will need to be water barred and/or brushed during the course of logging?
  - Yes
  - No
  - If yes, specify logging considerations in the Harvest Specifications below.

- Are there specific forest health issues (i.e. forest fire hazards, insect infestations, disease, etc.) that need to be accounted for during harvest, road building, or artificial regeneration activities?
  - Yes
  - No
  - If yes, please describe:

Harvest Specifications for Site Operability:

Forester or Landowner

Date: ____________________________

Logger

Date: ____________________________