

NATURAL RESOURCES CONSERVATION SERVICE

FOREST STAND IMPROVEMENT-HARVESTING (ACRE)

CODE 666A

MONTANA CONSERVATION PRACTICE JOB SHEET

LANDOWNER	FIELD / MANAGEMENT UNIT	DATE
LEGAL DESCRIPTION	CONTRACT ITEM NUMBER AREA (ACRES)	JOB CLASS

DEFINITION AND PURPOSE: Systematically removing some or all of the merchantable trees from a forest stand to improve the conditions for forest growth and/or to encourage regeneration and normal development of a new stand.

STAND DESCRIPTION

	<u>BEFORE HARVESTING</u>	<u>AFTER HARVESTING</u>
Age Class (YRS)	_____	_____
Composition (%)	_____	_____
Size (DBH)	_____	_____
Condition (G F P)	_____	_____
Other: _____	_____	_____

SOILS

Soil(s): _____

Limitations Ratings:	Equipment _____	Seedling Mortality _____
	Windthrow _____	Plant Competition _____
	Other: _____	

Soil(s): _____

Limitations Ratings:	Equipment _____	Seedling Mortality _____
	Windthrow _____	Plant Competition _____
	Other: _____	

HARVEST METHOD

- | | |
|--|--|
| EVEN-AGED MANAGEMENT HARVEST SYSTEMS: | UNEVEN-AGED MANAGEMENT HARVEST SYSTEMS: |
| <input type="checkbox"/> Clearcut | <input type="checkbox"/> Thinning |
| <input type="checkbox"/> Shelterwood | <input type="checkbox"/> Group Selection |
| <input type="checkbox"/> Seed-Tree | <input type="checkbox"/> Coppice Selection |
| <input type="checkbox"/> Overstory Removal | <input type="checkbox"/> Single-Tree Selection |
| | <input type="checkbox"/> Thinning |

Wood Products: _____

Trees to Leave/Cut, Spacing, Equipment, Season, etc: _____

Job Sheet MT666A-JS2

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MT-ECS-666A(2)
03/2004

SITE PREPARATION

Desired Species to Regenerate: _____

Site Preparation: _____ AS PART OF HARVEST _____ SEPARATE OPERATION

_____ See FOTG, Section IV–Practice Standard 490–Forest Site Preparation

_____ See FOTG, Section IV–Practice Standard 612–Tree and Shrub Establishment

SLASH DISPOSAL

Describe Method, Timing: _____

ADDITIONAL NOTES

ATTACHED SPECIFICATIONS

338–Prescribed Burning	<input type="checkbox"/> YES	<input type="checkbox"/> NO
490–Forest Site Preparation	<input type="checkbox"/> YES	<input type="checkbox"/> NO
660–Tree/Shrub Pruning	<input type="checkbox"/> YES	<input type="checkbox"/> NO
655–Harvest Trails & Landings	<input type="checkbox"/> YES	<input type="checkbox"/> NO
666B–Pre-Commercial Thinning	<input type="checkbox"/> YES	<input type="checkbox"/> NO
_____	<input type="checkbox"/> YES	<input type="checkbox"/> NO

OPERATIONS AND MAINTENANCE

- Periodic inspections during treatment activities are necessary to ensure that objectives are achieved and resource damage is minimized. A stocking survey should be performed following thinning to make sure that desired stocking rates are achieved. Acceptable stocking rates are plus or minus 25 percent of the desired rate.
- Maintain marking of sensitive areas and monitor equipment exclusion throughout harvesting operations. Follow-up and ongoing management activities will be needed to obtain desired results.
- Monitor stands for insect and disease outbreaks of new weed infestations. Monitor natural regeneration, planted seedling survival and effectiveness of site scarification.

APPROVALS:

NRCS Conservationist

JOB APPROVAL AUTHORITY

Date

Producer

Date

Installation Certification:

Conservation Management Unit: _____ Soil(s): _____

Site Limitations: _____

Practice Design Size: _____ ACRES Practice Applied Size: _____ ACRES Adequate: _____

Designed Installation Date: _____ Practice Installed Date: _____ Adequate: _____

Stand Description—After Harvesting: _____ Composition (%) _____ Adequate: _____

Average Size (DBH) _____ INCHES Adequate: _____

Condition Class (G F P) _____ Adequate: _____

Harvest Method: Even-Aged System _____ Adequate: _____

Uneven-Aged System _____ Adequate: _____

Material Cut/Remaining _____ Adequate: _____

Desired Spacing _____ FEET Adequate: _____

Equipment Type _____ Adequate: _____

Slash Disposal: Method _____ Adequate: _____

Timing _____ Adequate: _____

CERTIFICATION STATEMENT:

I hereby certify that this practice has been installed in accordance with NRCS standards and specifications.

NRCS Conservationist

JOB APPROVAL AUTHORITY

Date

Date

NATURAL RESOURCES CONSERVATION SERVICE

FOREST STAND IMPROVEMENT—PRECOMMERCIAL THINNING (ACRE)

CODE 666B

MONTANA CONSERVATION PRACTICE JOB SHEET

LANDOWNER	FIELD / MANAGEMENT UNIT	DATE
LEGAL DESCRIPTION	CONTRACT ITEM NUMBER	AREA (ACRES)
		JOB CLASS

DEFINITION AND PURPOSE: Removing unmerchantable or unwanted trees from forested areas to fully use a site's potential; to maintain plant cover; to improve stand composition by leaving the best trees—spaced for best growth; to improve forage production; or improve natural beauty, wildlife, or recreation values.

OBJECTIVES

- Reduce Stocking
- Change Composition
- Improve Condition
- Reduce Health Problems
- Other: _____

STAND DESCRIPTION

	BEFORE THINNING	AFTER THINNING
Stocking: (# / AC.)	_____	_____
Composition: (%)	_____	_____
Average Age(s) (YRS.)	_____	_____
Average Diameter (IN.)	_____	_____
Insects & Disease	_____	_____
_____	_____	_____

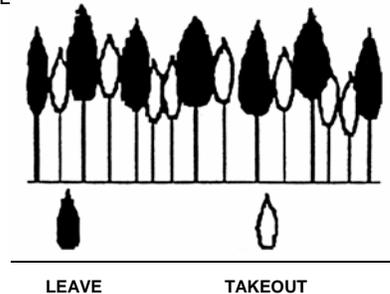
THINNING SPECIFICATIONS

Desired Spacing: _____ TREES/ ACRE ± 25%
APPROXIMATELY _____ FEET X _____ FE

Trees to Leave/Remove: LEAVE ONLY GOOD QUALITY TREES OF _____ THAT HAVE FULL CROWNS, GOOD FORM AND GROWING VIGOROUSLY. REMOVE ALL CROOKED, DYING, DISEASED, INJURED, AND SUPPRESSED TREES.

Dates to be Performed: _____

Type of Equipment: _____



SLASH DISPOSAL

- Interior Treatment Area
- Property Boundary—100-foot swath
- ___ Pile & Burn
- ___ Pile & Burn
- ___ Lop & Scatter ___ INCHES SLASH HEIGHT
- ___ Lop & Scatter ___ INCHES SLASH HEIGHT

Job Sheet MT666B - JS2

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MT-ECS-666B(2)
03/2004

JOB SKETCH

Attached Plan Map YES NO

ATTACHED SPECIFICATIONS

338–Prescribed Burning	<input type="checkbox"/> YES	<input type="checkbox"/> NO
528A–Prescribed Grazing	<input type="checkbox"/> YES	<input type="checkbox"/> NO
_____	<input type="checkbox"/> YES	<input type="checkbox"/> NO

ADDITIONAL NOTES

OPERATIONS AND MAINTENANCE

- Periodic inspections during treatment activities are necessary to ensure that objectives are achieved and resource damage is minimized. A stocking survey should be performed following thinning to make sure that desired stocking rates are achieved. Acceptable stocking rates are plus or minus 25 percent of the desired rate.
- Maintain marking of sensitive areas and monitor equipment exclusion throughout harvesting operations. Follow-up and ongoing management activities will be needed to obtain desired results.
- Monitor stands for insect and disease outbreaks of new weed infestations. Monitor natural regeneration, planted seedling survival and effectiveness of site scarification.

APPROVALS:

NRCS Conservationist

Producer

JOB APPROVAL AUTHORITY

Date

Date

Installation Certification:

Conservation Management Unit: _____

Practice Design Size: _____ ACRES Practice Applied Size: _____ ACRES Adequate: _____

Designed Installation Date: _____ Practice Installed Date: _____ Adequate: _____

Type of Equipment: _____ Adequate: _____

Stand Description—After Thinning: _____ Stocking _____ NUMBER TREES/ACRE Adequate: _____

Actual Spacing _____ FEET by _____ FEET Adequate: _____

Composition (%) _____ Adequate: _____

Type of Leave Trees _____ Adequate: _____

Average Size (DBH) _____ INCHES Adequate: _____

Insect & Diseases (G F P) _____ Adequate: _____

Slash Disposal: Method _____ Adequate: _____

Timing _____ Adequate: _____

Slash Height _____ INCHES Adequate: _____

CERTIFICATION STATEMENT:

I hereby certify that this practice has been installed in accordance with NRCS standards and specifications.

NRCS Conservationist

JOB APPROVAL AUTHORITY

Date

Date