

SFRMP Management Opportunity Area



NSU 2021

MANAGEMENT OPPORTUNITY AREA (MOA) DESCRIPTION	
MOA Name	Shannon River
MOA Type	Ruffed Grouse Management Area RGMA
Location (Eco. Section, TRS)	Northern Superior Uplands (NSU); (Township 60North-Range 21West)
NPC System	MHn Nashwauk Uplands
Acres by Land Status	1,086 acres total state. (1,074 acres forestry administered school trust lands, 12 acres forestry administered acquired lands).
School trust lands within this MOA	The establishment of MOAs does not supersede any current DNR policy or guideline, including school trust lands policy. Any MOA-specific management on school trust lands must occur within the parameters of the DNR's <i>Operational Order 121: Management of School Trust Lands</i> , including <i>Appendix B: Best Management Practices for Forest Management on School Trust Lands</i> . The operational order specifies maximum reserve allowances on all school trust lands, including those within MOAs. In addition, regeneration of harvested stands on school trust lands must yield fully stocked stands to ensure their future economic productivity. The DNR's <i>MOA Definition and Implementation Direction</i> documentation provides more information for managers on how to implement MOAs while also following all current DNR policy.
Current Conditions	Ruffed Grouse Management Areas (RGMAs) should be managed for mixed age class aspen and mixed aspen and conifer stands. Small block habitat areas should be designed to provide high quality early successional (ruffed grouse) habitat, and provide abundant recreational opportunities to harvest upland forest game birds (ruffed grouse, American woodcock) while also providing habitat for a suite of young forest species, both game and nongame. For more details see the Ruffed Grouse Management Area Guidelines.

FUTURE DIRECTION	
10-Year Management Intent	Maintain evenly distributed multiple age classes of aspen by harvesting in small blocks. Harvest should regenerate aspen but also retain allowable balsam, spruce, and cedar where appropriate for use as predator/thermal cover where feasible.
Strategies to Achieve 10-year Intent	<ul style="list-style-type: none"> • Attempt to maintain multiple age classes (3-5 classes in 10-15 year increments) of aspen by harvesting in small blocks (10 -20 acres or less preferred). • Harvest blocks located near other harvest units to enable forest management. • Coordinate on consolidated placement of 1-5 acre reserves (while following STH regimes) to help maintain within-stand age and structural diversity. • Attempt to locate timber harvest areas adjacent to walking trails and/or access roads that hunters use to access the MOA (i.e. use trail as boundary). • Regenerate aspen and retain some conifers for grouse cover • Provide coarse woody debris for drumming logs by retaining downed logs and standing snags
SFRMP Goals this MOA Will Advance	<p>This MOA offers opportunities to address section-wide SFRMP goals:</p> <ul style="list-style-type: none"> • Provide a variety of vegetation conditions and habitat components at multiple scales simultaneously to support wildlife species found in the Section. • Ensure young, early-successional forest is distributed across the landscape over time. • Ensure older forest characteristics within stands are distributed across the landscape.
Direction or Consideration for Specific Stands (optional)	None
Future Planning Considerations (optional) Noted by Division authoring statement Not discussed during 2020 MOA vetting process, for consideration during future planning process	<ul style="list-style-type: none"> • During stand selection on 10-year stand exam lists, strive to ensure 3-5 age classes of aspen 10-15 years apart will remain distributed throughout the MOA. (FAW) • During Stand list review, consider adjusting harvest sizes to provide small (ideally ten acre or less) harvest blocks—multiple blocks within the MOA cut within the same year may be considered to increase marketability. (FAW) • During MOA metric modeling and/or stand list review, consider the desire for some stands or portions of stands to be held up to 60 years of age to allow time for young conifer roosting cover to develop. (FAW)

Attach a list of stands by Stand ID from FIM

t05921w0020904	t06021w1360682	t06021w1360897
t05921w1020015	t06021w1360716	t06021w1360898
t06021w1250867	t06021w1360725	t06021w1360899
t06021w1250869	t06021w1360731	t06021w1360900
t06021w1350686	t06021w1360733	t06021w1360901
t06021w1350688	t06021w1360735	t06021w1360902
t06021w1350701	t06021w1360746	t06021w1360932
t06021w1350737	t06021w1360746	t06021w1360933
t06021w1350740	t06021w1360751	t06021w1360934
t06021w1350744	t06021w1360826	t06021w1360935
t06021w1350745	t06021w1360827	t06021w1360936
t06021w1350748	t06021w1360828	t06021w1360938
t06021w1350880	t06021w1360870	t06021w1360939
t06021w1350881	t06021w1360871	t06021w1361077
t06021w1350883	t06021w1360873	t06021w1361084
t06021w1350884	t06021w1360874	t06021w1361085
t06021w1350887	t06021w1360879	
t06021w1350888	t06021w1360882	
t06021w1350889	t06021w1360885	
t06021w1350894	t06021w1360890	
t06021w1351073	t06021w1360891	
t06021w1351074	t06021w1360892	
t06021w1351075	t06021w1360893	
t06021w1351076	t06021w1360895	
t06021w1351080	t06021w1360896	

LANDSCAPE MOA MAP

