



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7443**

SCHEDULED SALE DATE AND TIME: **4:00 p.m. (local time) on June 20, 2024.**

LOCATION: **TRAVERSE CITY MGMT UNIT, 2122 M 37 SOUTH, TRAVERSE CITY, MI 49685.**

CONTACT NAME: Patrick Cotant

PHONE NUMBER: (231) 649-0544

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, TRAVERSE CITY MANAGEMENT UNIT, for certain timber on the following described lands:

Dry Fly Pine & Oak (61-110-23) / T25N, R06W, SEC. 3 , NENW,S1/2NW,W1/2NE,N1/2SW.

T25N, R06W, SEC. 4 , NESE.

T26N, R06W, SEC. 34, SESW,NWSE,S1/2SE.

Kalkaska County, Advertised Price \$71,329.35, 113.2 Acres, Aspen, Hardwood.

SALE NOTE: The sale has an oak wilt restriction, as well as a winter cut only within Payment Units 1 & 2.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity.
Certain restrictions/specifications may be applicable including time restrictions.

TIMBER SALE INFORMATION

Dry Fly Pine & Oak (61-110-23)

T25N, R06W, SEC. 3; T25N, R06W, SEC. 4; T26N, R06W, SEC. 34.

Kaskaska County (Advertised Price \$71,329.35)

SALE NOTE: The sale has an oak wilt restriction, as well as a winter cut only within Payment Units 1 & 2.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black/Red (Hybrid) Oak	26.3 MBF	\$ 91.00 / MBF
Mixed Aspen	45.4 MBF	\$ 114.00 / MBF
Red Maple	59.1 MBF	\$ 111.00 / MBF
Red Oak	2.4 MBF	\$ 129.00 / MBF
Red Pine	126.7 MBF	\$ 105.00 / MBF
White Oak	12.6 MBF	\$ 70.00 / MBF
White Pine	82.6 MBF	\$ 80.00 / MBF
Pulpwood		
Balsam Fir	27 Cords	\$ 18.55 / Cord
Jack Pine	9 Cords	\$ 18.25 / Cord
Mixed Aspen	445 Cords	\$ 17.80 / Cord
Mixed Oak	102 Cords	\$ 26.30 / Cord
Paper Birch	7 Cords	\$ 16.25 / Cord
Red Maple	547 Cords	\$ 18.30 / Cord
Red Pine	167 Cords	\$ 41.35 / Cord
Tamarack	15 Cords	\$ 24.35 / Cord
White Pine	360 Cords	\$ 20.65 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.01 percent. There are an estimated 2,561 cords on this timber sale, plus or minus 308 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$3,566.47 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	11.8%
02	32.7%
03	20.8%
04	22.6%
05	4.3%
06	7.8%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
202,291	2,561	12.01%	2,253	2,868

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
30	26,694	338	27.45%	245	431
41	15,379	195	56.90%	84	305
42	6,654	84	54.40%	38	130
45	107,951	1,366	17.47%	1,128	1,605
48	45,613	577	17.83%	474	680
TOTAL:	202,291	2,561		1,970	3,152

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
30	7.9	1	7.9
41	12.9	6	12.9
42	2.7	5	2.7
45	61.7	2	37.7
		3	24.0
48	28.0	4	28.0
TOTAL:	113.2		113.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE		
1	Mixed Aspen	Sawtimber	7.5	MBF	7.9	\$8,437.55		
	<i>B. T. Aspen</i>		7.5	<i>MBF</i>				
	Red Maple		17.0	MBF				
	Red Oak		2.4	MBF				
	White Pine		10.0	MBF				
	Balsam Fir		Pulpwood	7			Cords	
	Mixed Aspen			42			Cords	
	<i>B. T. Aspen</i>			34			<i>Cords</i>	
	<i>Quaking Aspen</i>			8			<i>Cords</i>	
	Mixed Oak			3			Cords	
	<i>Red Oak</i>			3			<i>Cords</i>	
	Paper Birch			7			Cords	
	Red Maple			118			Cords	
	Tamarack			15			Cords	
	<i>Tamarack</i>			Sawtimber			4.7	<i>MBF</i>
	<i>Tamarack</i>	Pulpwood	6				<i>Cords</i>	
White Pine	48		Cords					
2	Mixed Aspen	Sawtimber	19.1	MBF	37.7	\$23,298.45		
	<i>B. T. Aspen</i>		9.3	<i>MBF</i>				
	<i>Quaking Aspen</i>		9.8	<i>MBF</i>				
	Red Maple		17.4	MBF				
	Red Pine		57.6	MBF				
	White Pine		29.8	MBF				
	Balsam Fir		Pulpwood	4			Cords	
	Jack Pine			5			Cords	
	<i>Jack Pine</i>			Sawtimber			0.7	<i>MBF</i>
	<i>Jack Pine</i>						Pulpwood	4
	Mixed Aspen			166				Cords
	<i>B. T. Aspen</i>			46			<i>Cords</i>	
	<i>Quaking Aspen</i>			120			<i>Cords</i>	
	Red Maple			178			Cords	
	Red Pine			44			Cords	
	White Pine	124		Cords				
3	Mixed Aspen	Sawtimber	12.3	MBF	24.0	\$14,850.45		
	<i>B. T. Aspen</i>		6.0	<i>MBF</i>				
	<i>Quaking Aspen</i>		6.3	<i>MBF</i>				
	Red Maple		11.0	MBF				
	Red Pine		36.6	MBF				
	White Pine		18.9	MBF				
	Balsam Fir		Pulpwood	2			Cords	
	Jack Pine			4			Cords	
	<i>Jack Pine</i>			Sawtimber			0.5	<i>MBF</i>
	<i>Jack Pine</i>						Pulpwood	3
	Mixed Aspen			106				Cords
	<i>B. T. Aspen</i>			29			<i>Cords</i>	
	<i>Quaking Aspen</i>			77			<i>Cords</i>	
	Red Maple			114			Cords	
	Red Pine			28			Cords	
	White Pine	79		Cords				
4	Black/Red (Hybrid)	Sawtimber	24.7	MBF	28.0	\$16,128.15		
	Mixed Aspen		1.4	MBF				
	<i>B. T. Aspen</i>		1.4	<i>MBF</i>				
	Red Maple		2.6	MBF				
	Red Pine		18.9	MBF				
	White Oak		12.6	MBF				

DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
4 con't	White Pine	Sawtimber	22.8	MBF			
	Mixed Aspen	Pulpwood	81	Cords			
	<i>B. T. Aspen</i>		67	<i>Cords</i>			
	<i>Quaking Aspen</i>		14	<i>Cords</i>			
	Mixed Oak		67	Cords			
	<i>/Red (Hybrid) Oak</i>		51	<i>Cords</i>			
	<i>White Oak</i>		16	<i>Cords</i>			
	Red Maple		96	Cords			
	Red Pine		42	Cords			
	White Pine		99	Cords			
5	Mixed Aspen		Sawtimber	1.7	MBF	2.7	\$3,046.30
	<i>Quaking Aspen</i>	1.7		<i>MBF</i>			
	Red Maple	1.7		MBF			
	Red Pine	2.9		MBF			
	White Pine	1.1		MBF			
	Mixed Aspen	Pulpwood		4	Cords		
	<i>Quaking Aspen</i>			4	<i>Cords</i>		
	Red Maple			5	Cords		
	Red Pine			46	Cords		
	White Pine			10	Cords		
6	Black/Red (Hybrid)	Sawtimber	1.6	MBF	12.9	\$5,568.45	
	Mixed Aspen		3.4	MBF			
	<i>Quaking Aspen</i>		3.4	<i>MBF</i>			
	Red Maple		9.4	MBF			
	Red Pine		10.7	MBF			
	Balsam Fir		Pulpwood	14			Cords
	Mixed Aspen			46			Cords
	<i>Quaking Aspen</i>			46			<i>Cords</i>
	Mixed Oak			32			Cords
	<i>/Red (Hybrid) Oak</i>			32			<i>Cords</i>
	Red Maple			36			Cords
	Red Pine			7			Cords
TOTAL:			355.1	MBF			
TOTAL:			1,679	Cords			

Sale Specific Conditions & Requirements

Sale Name: Dry Fly Pine & Oak

Sale Number: 61-110-23 Seq#: 2

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 6, cut all trees that are two (2) inches or more at DBH, except do not cut white pine, white oak, and trees marked with green paint.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 2 & 3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all aspen, red maple, jack pine, and balsam fir which meet minimum piece specifications.

2.1.7 - Leave tree marked unit(s) (6/14)

Within Payment Unit(s) 1 & 4, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting. In addition, the following specifications apply;

- Within Payment Unit 1, do not cut any green painted trees, cedar, white oak, and white pine greater than 24 inches at DBH.
- Within Payment Unit 4, do not cut any green paint, as well as oak and pine less than 6 inches at DBH.

2.1.8 - Designated plantation row unit(s) (12/08)

Within Payment Unit(s) 5, all red and white pine trees which meet minimum piece specifications in 2.2 Utilization, within designated plantation rows are designated for cutting. Designated plantation rows will begin on the 3rd and 4th row inside the boundary and follow a take two, leave two pattern. In addition cut all aspen and red maple.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) with a value greater than \$15,000 may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within the Sale Area, if more than 20% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$250 per acre for all acreage within that specified portion of the Sale Area that was damaged.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 10 % of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads must be approved by the Sale Administrator and shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, not left in windrows, and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. Contact the Sale Administrator for specific details of design and placement.

4.2 - Maintenance

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during wet weather conditions.

5 - Operations

5.1 - Notification

5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.2 - Slash Removal

5.2.1.2.1 - Slash removal, right-of-way (9/16)

All slash must be removed at least 10 feet from the cleared right-of-way of the power line along King Rd.

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1 & 2, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of November 1 to April 15. This restriction is because of proximity to the Manistee River and a frequently used boat launch.

5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within Payment Unit(s) 3-6, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood or juneberry. These woody-shrub plants are highly beneficial to various wildlife species.

5.2.31 - Landing locations (9/13)

Locations and size of landings must be approved by the Sale Administrator before they are established.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which are 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on King Road prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



TIMBER SALE MAP

This information provided by authority of Part 525, 1994 PA 451, as amended.

Forest Management Unit		County		Mapped By		Date		Page of	
Traverse City		Kalkaska		Crigier		04/21/2023		1 1	
Township	Range	Section(s) and Subdivision(s)		Scale					
25N 26N	05W 05W	Sec 3 Sec 34		1:15,840					

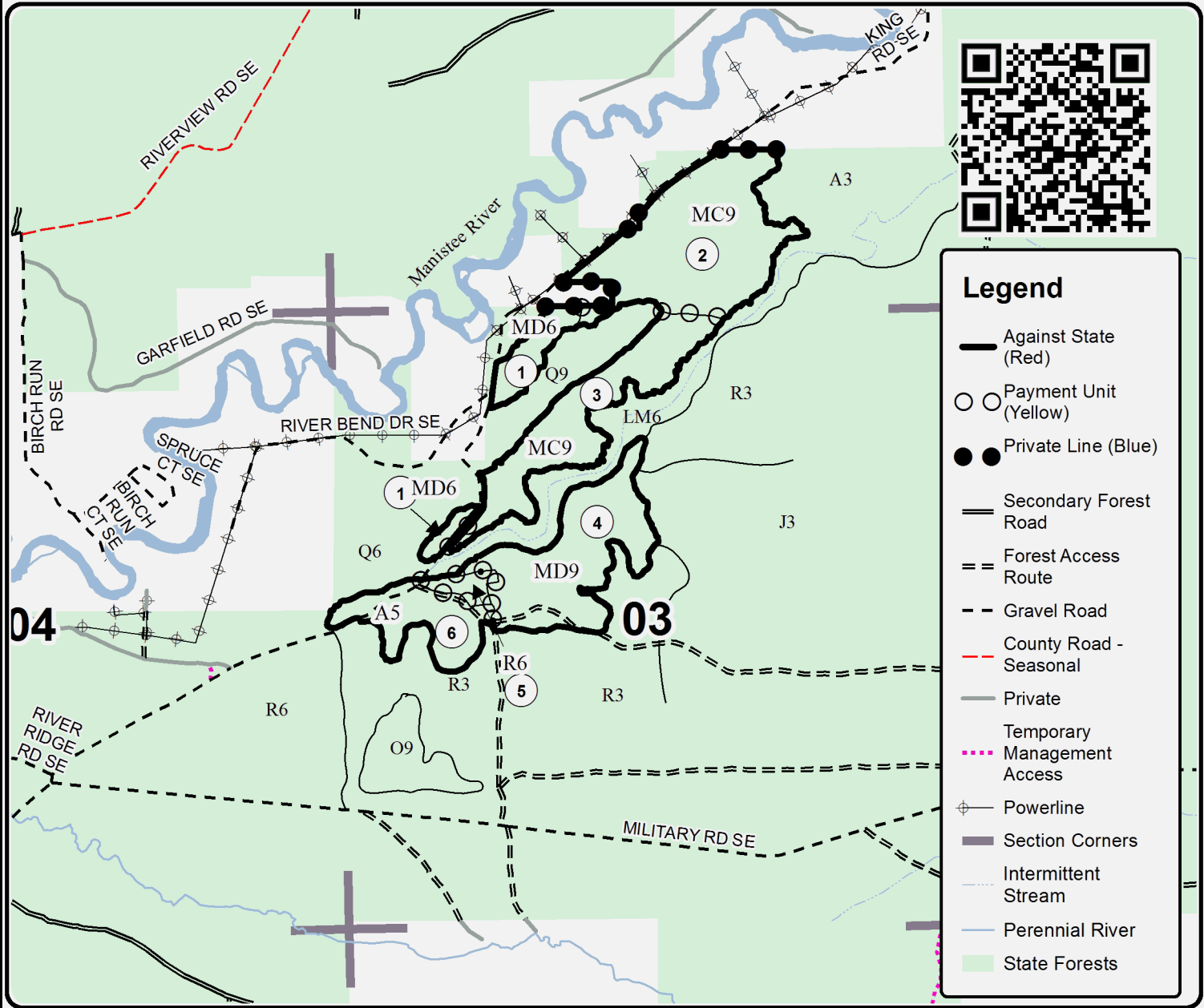
Cover Type				Density				
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium			
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well			
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor			
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium			
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well			
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water					
G = Grass	MD = Mixed Deciduous	T = Tamarack						

PU	Acres	PU	Acres
1	7.9	4	28
2	37.7	5	2.7
3	24	6	12.9

Dry Fly Pine & Oak

Compartment 134

113.2 Acres



Legend

- Against State (Red)
- ○ Payment Unit (Yellow)
- ● Private Line (Blue)
- Secondary Forest Road
- == Forest Access Route
- - Gravel Road
- - - County Road - Seasonal
- Private
- ... Management Access
- ⊕ Powerline
- Section Corners
- Intermittent Stream
- Perennial River
- State Forests

