Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42055
Entry Year: 2026
Acreage: 2,682
County: Chippewa

Management Area: Grand Marais Moraine Complex

Stand Examiner: Anthony Ciaramitaro

Legal Description:

T50N R6W Sections 7, 8, 17 & 18 T50N R7W Sections 11, 12, 13, 14 & 15

Identified Planning Goals:

Timber management, wildlife habitat, and recreation such as hunting and fishing are the main uses of the compartment. The goal is to improve the forest health, and productivity of the area through proper management to promote these uses. Some stands have suffered damage from Jack Pine Budworm outbreaks. Management of these stands should be a high priority before additional decline and mortality occurs.

Soil and topography:

The compartment is almost entirely Deer Park sand and the forest cover type associated with the soil is predominantly jack pine. Along the Betsy River is Markey and Carbondale muck with lowland mixed conifer as the forest cover type. The topography throughout the compartment is level to rolling. There is a substantial slope along the Betsy River corridor.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

The compartment is almost entirely all state owned except for a few private parcels along the Betsy River. The land adjacent to the compartment is all under state ownership. Land use in and around the compartment is primarily for recreational opportunities. Hunting, fishing, ORV'ing, hiking and berry picking all occur throughout the area. Development in the area is minimal with the private parcels consisting of small camps and seasonal usage. Some of the parcels are being sub-divided up into smaller parcels, resulting in a slight increase in recreational use of the area. Timber production is a major use of the compartment.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Management activities near the Betsy River will follow all BMP guidelines and any special considerations developed concerning the waterway. Some stands have suffered damage from Jack Pine Budworm outbreaks. Management of these stands should be a high priority before additional decline and mortality occurs. With the extent of the budworm infestation in the area, the possibility of additional healthy stands becoming affected by an outbreak is good.

Watershed and Fisheries Considerations:

The Betsy (Shelldrake) River which skirts the northern edge of the compartment is a designated trout stream downstream to the Widewaters. Brook trout are present in this portion of the river and does provide some fishing opportunities although limited due to access. To protect these areas in accordance with BMPs, a minimum 100-foot, plus 5 feet per 1% increase in slope, riparian management zone is recommended along the Betsy (Shelldrake) River.

Wildlife Habitat Considerations:

Compartment 55 lies in northern Chippewa county in Grand Marais Moraine Complex Management Area. The compartment is almost entirely jack pine with a few scattered stands of red pine and lowland conifer present. The Betsy River borders most of the northern and the eastern edge of the compartment. Pre-settlement data are consistent with current vegetation patterns. In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and maintaining as much species and structural diversity as possible in managed stands will be important to achieving wildlife objectives. Retaining soft and hard mast producing species and red and white pine in jack pine final harvests will provide food sources, nest and den trees, and improve stand diversity. Forested corridors should be maintained to facilitate ease of movement between upland and lowland areas. Wildlife species potentially using this compartment include white-tailed deer, snowshoe hare, spruce grouse, black bear, gray wolves, and moose.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was used as a building stone in the past. No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for occurrences of commercial deposits of metallic or critical minerals in this area. No active sand/gravel pits are known to exist in the area. There may be some potential for sand (and perhaps minor amounts of gravel) within the compartment on the uplands, but the compartment might be too far from populated areas (commercial markets) for any aggregate resources present to have much economic value beyond limited use by the county road commission, logging companies, or DNR for local road maintenance. No current State mineral leasing activity exists in the area.

Vehicle Access:

Access to the compartment can be gained by the Widewaters Road. This is a good dirt/sand road. There are several two track/sand roads branching off of the Widewaters Road which provide ample access to all portions of the compartment. The roads in this area can become difficult to pass during long dry stretches.

Survey Needs:

There are no survey needs for management activities in the compartment.

Recreational Facilities and Opportunities:

There are no established recreational facilities within the compartment. Recreational opportunities within the area would include hunting, fishing, hiking, ORV use, berry picking, wildlife viewing.

Fire Protection:

Compartment is in the Whitefish Zone Dispatch Area. Response time and Jack Pine cover type lends itself for potentially large fires. Access is good because of the drier sandy ground. Risk to private property would be high.

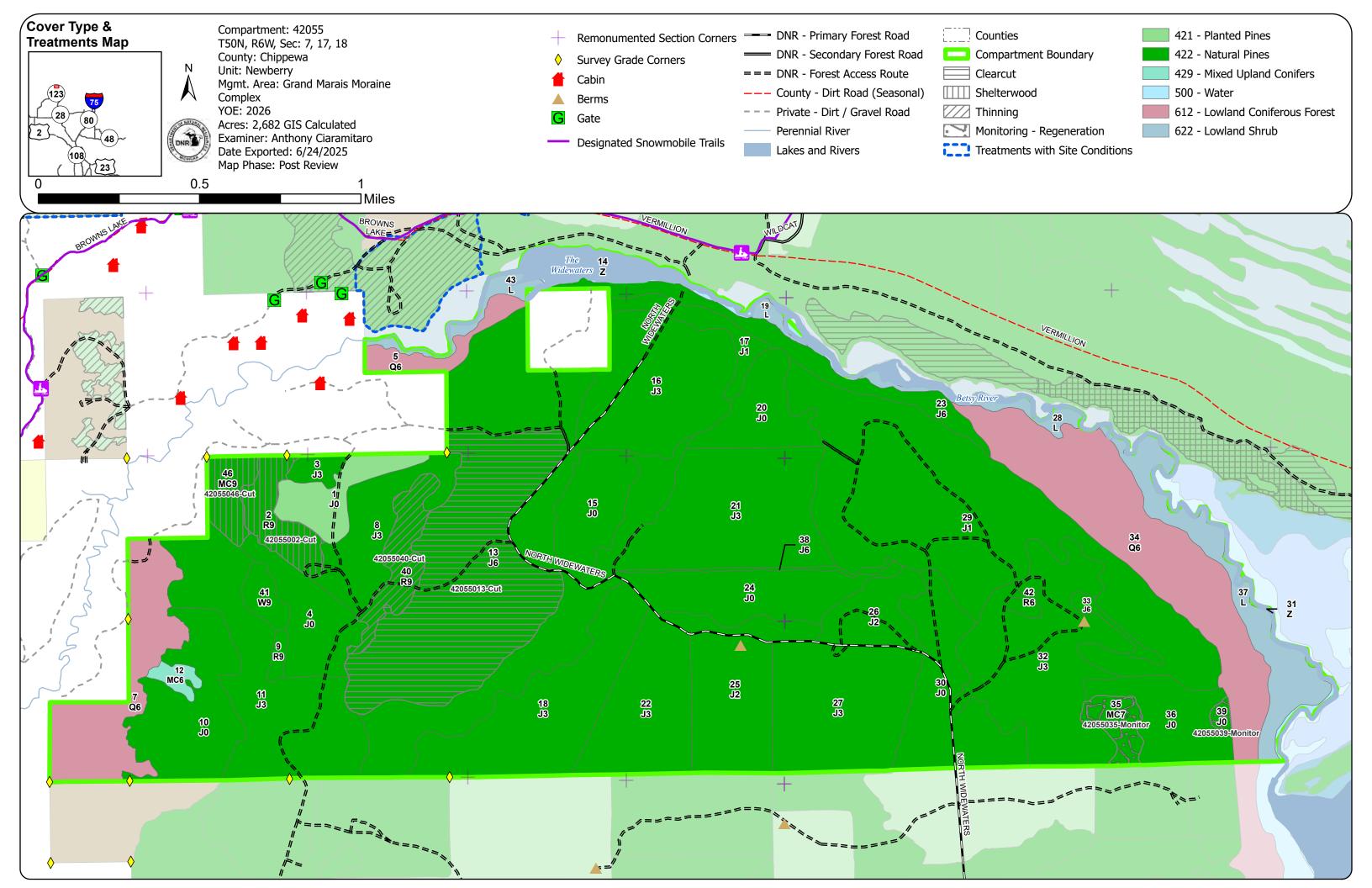
Additional Compartment Information:

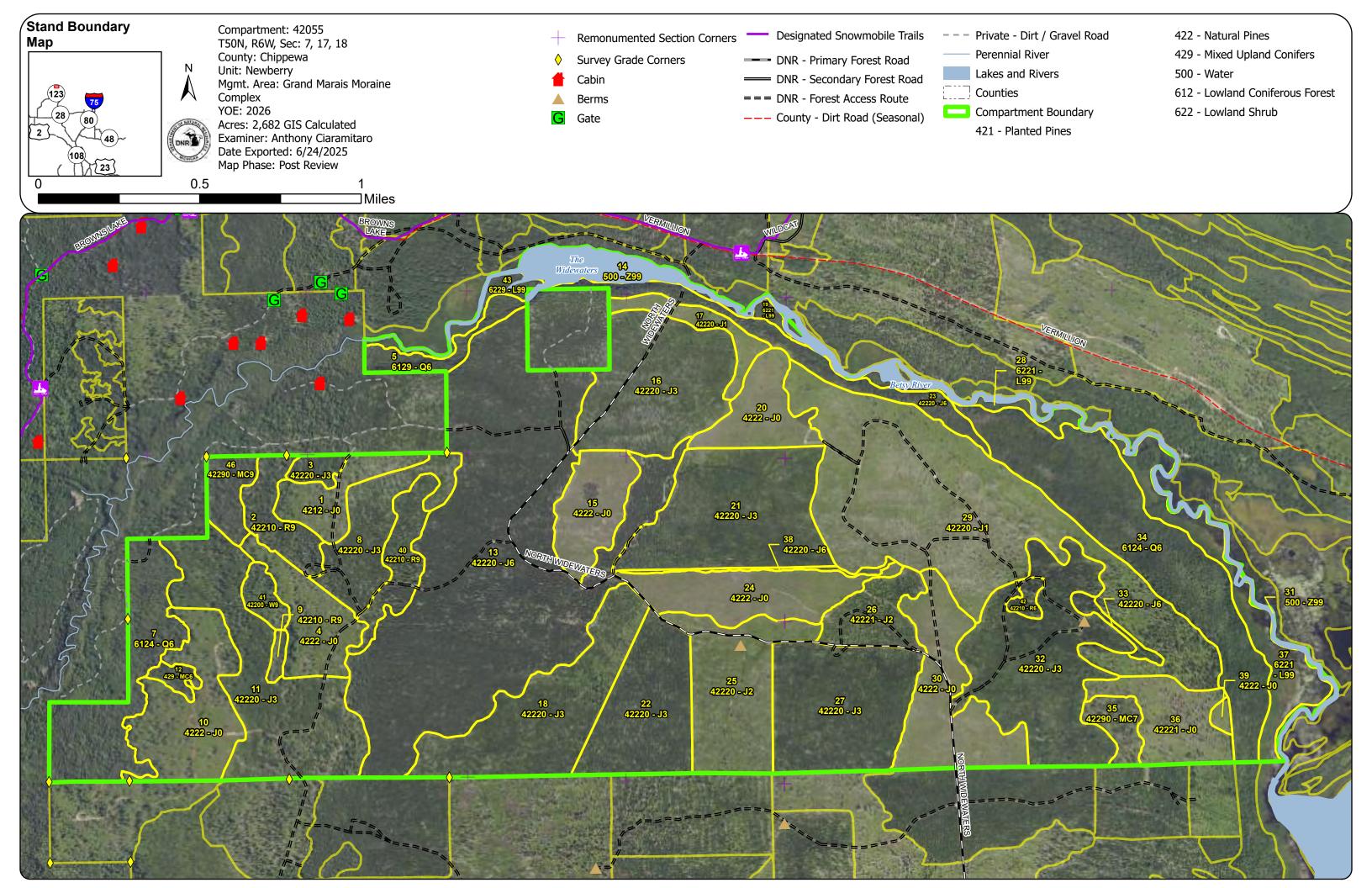
The following reports from the Inventory are attached:

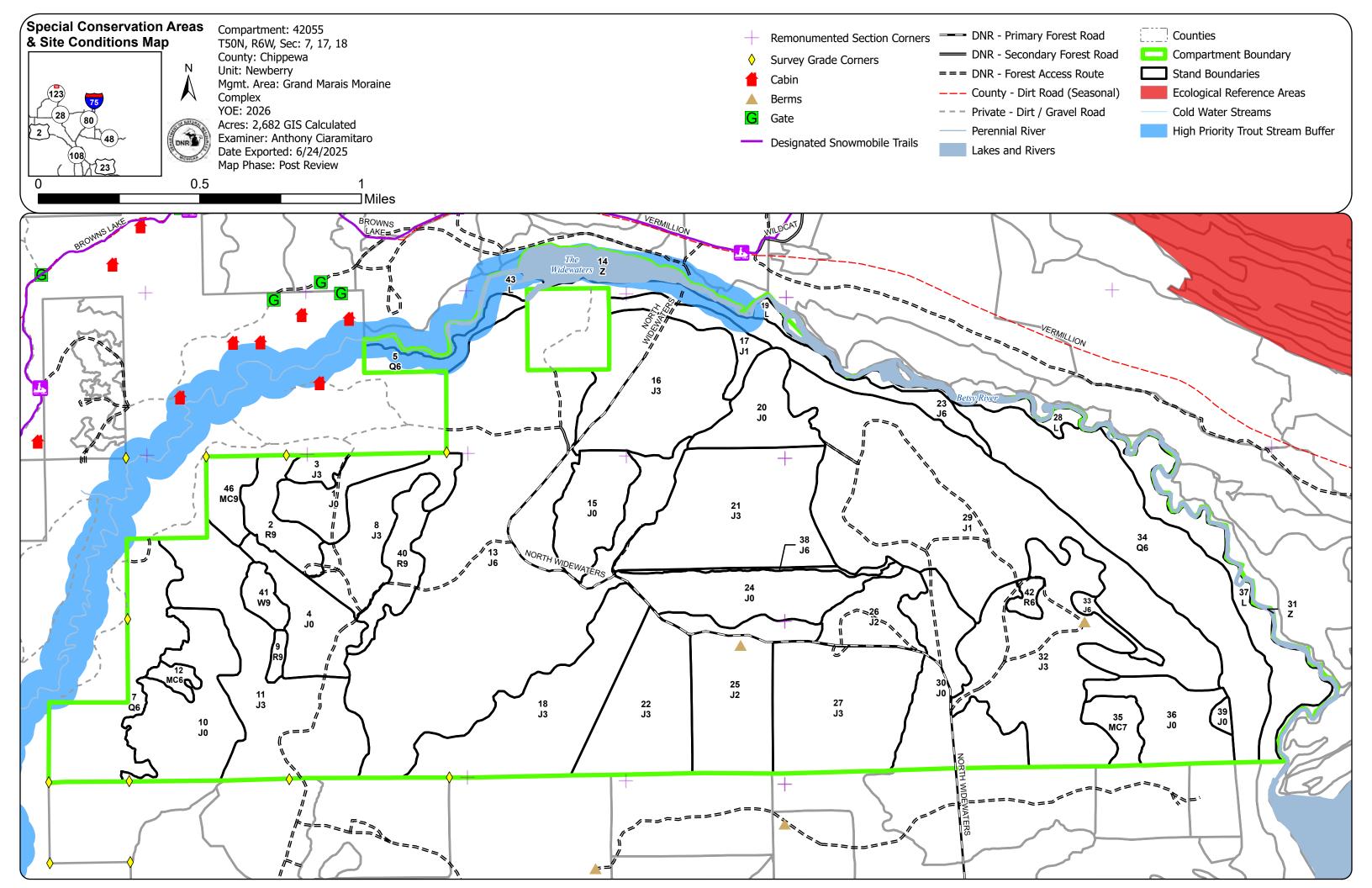
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

The following information is displayed, where pertinent, on the attached compartment maps:

Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system







Newberry Mgt. Unit

Anthony Ciaramitaro: Examiner

Compartment 55 Year of Entry 2026

Age Class

	No.	Kora C	37 / 2	8 / K	S. S.	3 / 12		3/8	8/2		* * * * * * * * * * * * * * * * * * *	S Tag	8 ZZ		R / S				LOS LOS	- , /
Jack Pine	435	0	392	573	308	400	0	0	0	6	0	48	0	0	0	0	0	0	2161	
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	81	176	0	0	0	0	0	0	257	
Lowland Shrub	89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	20	0	0	17	0	0	0	0	0	37	
Red Pine	0	0	0	0	0	0	0	0	0	0	6	29	4	0	0	0	0	31	70	
Upland Conifers	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	7	
Water	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	
White Pine	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	12	
Total	573	0	392	573	308	400	0	0	12	26	94	253	21	0	0	0	0	31	2682	

Report 2 – Treatment Summary

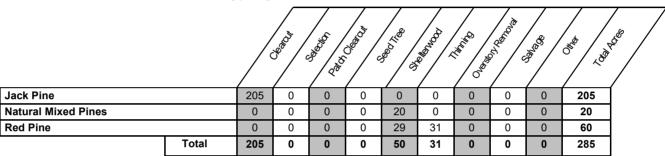
Newberry Mgt. Unit Year of Entry: 2026

Acres of Harvest

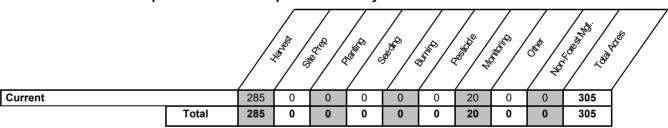
Compartment 55
Total Compartment Acres: 2,682

Commercial Harvest - 285 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



S					Kepoi		Treatments		Compartmen Year of Entry		
t a n	Treatment	Acres	Stand	Size	Stand	ВА	Treatment	Treatment	Cover Type	Age	Habi
d	Name		CoverType	Density	Age	Range	Туре	Method	Objective	Structure	Cu
	d Treatmen										
46	42055046-Cut	20.2	42290 - Natural Mixed Pine	9	87	111- 140	Harvest	Shelterwood	42290 - Natural Mixed Pine	Cutting Record	N
Preso Spec:	s: some of about 3 for wild	lear-cut ga 80-50 BA d	retention. Follow n aps, if not, add ther of red and white pin t. Place area retent	m where ne e. Attempt	cessary to prote	. Mark thi ct pine re	rough remaining generation where	stand to reach ret ever possible. Ret	ention goal. Overa	all retention sh	ould be
	ments: ptable Red Pi	ne White	Pine jack nine								
Rege	<u>n:</u>										
Other Comr			ow the second age e. Mark to retain or						later on. Attempt t	o protect rege	eneration
Site (Condition:										
Propo	osed Start Date	10/01/2	025								
40	42055040-Cut	30.94	2210 - Natural Red Pine	9 9	95	111- 140	Harvest	Thinning	42210 - Natural Red Pine	Current	N
Accer Rege Other	ments: ptable Red and the Red		ne ss stand, BA and de	ensity will v	ary in m	arking an	d cruising.				
Comr Site C	ment: Condition:										
Propo	osed Start Date	10/01/2	025								
39 Preso	42055039- Monitor cription Moniton		1222 - Natural Jack Pine	0	2	Immatu re	Monitoring	Monitoring - Regeneration	429 - Mixed Upland Conifers	Planting Record	N
Spec:	<u>S:</u>		J								
Next Treat	<u>ments:</u>										
Acce Rege		d, white p	ine and other mixed	d deciduous	s found i	n adjacer	nt stands				
Other Comr											
Site (Condition:										
Propo	osed Start Date	10/01/2	025								
				<u></u>							

Newberry Mgt. Unit Report 3 -- Treatments Compartment: 55 S Year of Entry: 2026 t а **Treatment** Size Stand BA **Treatment Treatment Cover Type** Acres Stand Age Habitat n Name CoverType Density Age Range Type Method Objective Structure Cut d Cutting 35 42055035-16.8 42290 - Natural 116 1-50 Monitoring Monitoring -42260 - Natural No **Monitor** Mixed Pine Regeneration Pine, Mixed Record Deciduous Prescription Monitor for natural regeneration of Jack, Red & White pine. mixed deciduous Specs: Next Step **Treatments:** Species already present. Jack Pine, Red Pine & White Pine. Red maple, birch, oak. Acceptable Regen: High residual BA from previous harvest may allow for associated conifer (balsam/spruce) and deciduous (birch / maple) to see some regen **Other** Comment: Site Condition: Proposed Start Date: 10/01/2024 42055013-Cut 204.7 42220 - Natural 6 47 81-110 Harvest Clearcut 4222 - Natural **Planting** No Jack Pine Jack Pine Record Prescription Clearcut approximately 200 acres down to, two inch spec for kirtland's warbler management. Retain all red pine over 10 inches. Retain any non pine species for diversity and wildlife management. Harvest retention will be included in the remainder of the stand. Use road to buffer Specs: clearcut to the east for green up if necessary. Southern and northern boundary may change. Acreage may change up to (+/-) 10% due to harvest line delineation. Next Step Treatments: Acceptable Jack Pine & Red Pine Regen: **Other** Stand will be divided into several smaller stands by the cutting to promote age class diversity and reduce possible, future, forest health impacts. Rx burn or scarify following harvest to promote natural regen. Use necessary KW specs if appropriate. Comment: Site Condition: Proposed Start Date: 10/01/2025 42055002-Cut 29.4 42210 - Natural Red 9 106 81-110 Harvest Shelterwood 42210 - Natural Cutting No Pine Red Pine Record Prescription Follow natural pine guidance by leaving at least one area of retention and several clear cut gaps then making through remaining stand to Specs: reach average BA goal. Overall retention should be about 30-50 BA of red pine that includes some large diameter white pine where present. Retain legacy trees if present. Protect regeneration and second age class of red pine wherever possible. Leave any non-red pine for species and structural diversity. Next Step **Treatments:** Acceptable Red Pine, White Pine Regen: **Other** Comment:

Total Treatment 305.3
Acreage Proposed:

Proposed Start Date: 10/01/2025

Site Condition:

Report 4 - Site Conditions

Newberry Mgt. Unit

Anthony Ciaramitaro: Examiner

Compartment: 55 Year of Entry: 2026



Availability for Management Total Acres Acres Avail Acres **Dominant Site Conditions** 3J With Condition Not Available 5E Acres Available 5C 2H Jack Pine 12 2161 2108 53 41 0 257 81 176 **Lowland Conifers** 19 156 0 89 89 0 Lowland Shrub 0 37 37 0 0 **Natural Mixed Pines** 71 65 0 **Red Pine** 6 6 0 0 **Upland Conifers** 7 49 49 0 Water 0 12 0 12 0 White Pine 12 2,682 2,428 236 18 19 198 19 **Total Forested Acres** 18 9% 91% 1% Relative Percent

*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
2	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Report 4 – Site Conditions

Newberry Mgt. Unit

Anthony Ciaramitaro: Examiner



4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	156	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Small size and low	BA, delay treatment.					
10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	19	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Newberry Mgt. Unit
Anthony Ciaramitaro: Examiner



11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Co	omments:						

Mgt. Unit Compartment: #Type!
Year of Entry:

Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Stand	Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed S	ite	General Comments
1	4212 - Plar	ited Jack Pi	ne	Unspecifed	32.0	2 Ir	mmature			Stand final harvested as sale #013-06-01, Compartment 55 Jack
					Sub-Ca	nopy Species	Density	Avg. Height	Size	Pine. Completed 05/13/10. Regeneration work yet to be done as of 12/03/10. Regeneration check needed in 2014. FTP #42-671
					WI	hite Pine	Low	>20 feet	>20 feet	completed 8/29/2011.
					Ja	ack Pine	Full	10 - 20 feet	10 - 20 feet	
					Re	ed Maple	Medium	10 - 20 feet	10 - 20 feet	Regeneration check in 2014 showed stand to be fully stocked, 660-700 trees per acre.
					R	ed Pine	Low	>20 feet	>20 feet	100 11000 pcs doi:0.
					Blad	ck Spruce	Low	>20 feet	>20 feet	11/23 Previous stand inventories are adequate. Jack pine
										regeneration reaching approximately 10 feet in height. Residual red pine, white pine, black spruce, and red maple added to canopy.
2	42210 - Na	tural Red P	ine	Sawtimber Well	29.4	106	81-110	N/A		Stand was harvested as sale #005-96-01. Completed in fall of 1997.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	This portion of the harvest had significant red pine residual so separated it out as a new stand.
	Red Pine	100		12 106	R	ed Pine	Low	5 - 10 feet	5 - 10 feet	'
					Ва	ılsam Fir	Medium	Variable	Variable	11/23 Previous stand inventory is adequate. Monoculture, red pine overstory showing low regeneration levels. Variable species in sub
					Ja	ack Pine	Low	5 - 10 feet	5 - 10 feet	canopy along with some red pine. No record of residual pine in sale
					Pa	per Birch	Low	10 - 20 feet	10 - 20 feet	
3	42220 - Nat	ural Jack P	ine	Sapling Well	8.7	26 Ir	mmature	N/A		Stand harvested as sale #005-96-01. Completed in 1997. Scarification completed 6/1998. Stocking survey 5/15/2003 - 959
	Canopy Species	% Cover	Size Class	DBH Age						trees/acre. Good regeneration of jack pine. Scattered red and white
	Red Pine	5		18						pine residual.
	White Pine	5	Log	4						11/23 Residual jack pine growing well and stand is dense. Signs of
	White Pine	5		18						white and red pine regeneration in low densities throughout.
	Jack Pine	85	Log	1 26						
4	4222 - Nati	ural Jack Pi	ne	Unspecifed	45.4	2 Ir	mmature			Stand final harvested as sale #013-06-01, Compartment 55 Jack Pine. Completed 05/13/10. Regeneration work yet to be done as of
					Sub-Ca	nopy Species	Density	Avg. Height	Size	12/03/10. Regeneration check needed in 2014. FTP #42-671
					R	ed Oak	Low	>20 feet	>20 feet	completed 8/29/2011.Regeneration check in 2014 showed stand to
					Ja	ack Pine	Medium	5 - 10 feet	5 - 10 feet	be fully stocked, 660-700 trees per acre.11/23 Natural jack pine regeneration growing well. Stand is adequately stocked and contains
					Re	ed Maple	Low	Variable	Variable	residual red oak and red pine from previous harvest.
					R	ed Pine	Low	>20 feet	>20 feet	' '
5	6129 - Mixed Conif	erous Lowla	and Forest	Poletimber Well	19.4	108	51-80	N/A	,	Treed floodplain on the river, including the "shelf". Highly diverse in
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	species composition but low productivity due to saturated soils and blocked by the steep shelf.
	White Pine	25		12	Blad	ck Spruce	Low	5 - 10 feet	5 - 10 feet	, <u>r</u>
	Paper Birch	10	Seedling	8	Ва	ılsam Fir	Medium	Variable	Variable	
	Black Spruce	30	Seedling	8						

Northern White Cedar

35

9 108

Compartment: 55

Stand Size Density **General Comments** Level 4 Cover Type Acres Stand Age BA Range Managed Site 6124 - Lowland Spruce-Fir Poletimber Well 81.4 97 81-110 N/A Mixed stand with thick understory in most areas. Fairly low quality 7 stand. Small diameter red maple. Larger spruce and white pine. Size **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Ava. Height White birch in wetter areas, showing substantial mortality. Jack pine Red Pine 10 15 Balsam Fir Variable Variable Hiah mixed in mainly along eastern stand edge. Good component of balsam A few areas of blowdown 5 12 10 - 20 feet White Spruce Black Spruce Low 10 - 20 feet Black Spruce 40 Seedling 8 97 Red Maple Medium 10 - 20 feet 10 - 20 feet 11/23 Stand merged with low area to the west. Stands were similar 5 12 White Pine with a major component of black spruce and red maple with large diameter / dominate red and white pine. Stand is more deciduous in 5 8 Jack Pine Seedling norther portion. Spruce and pine are in decline and have die back / 5 7 Balsam Fir Seedling dead and broken tops. 25 9 96 Red Maple 5 8 Paper Birch Seedling 8 42220 - Natural Jack Pine Sapling Well 53.6 25 N/A Harvested as sale #006-96-01. Completed in 1999. No records of **Immature** scarification, regenerating naturally. Thicker regeneration in pockets. Size **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Good component of residual mature red pine throughout the stand. Red Pine 15 14 Red Pine Low < 5 feet < 5 feet Jack pine regeneration averaging 10 ft tall. Black Spruce 1 Pole 2 White Pine Low < 5 feet < 5 feet 11/23 .Previous stand inventory is adequate. updated ages and White Pine 5 16 Jack Pine Hiah < 5 feet < 5 feet diameters, added component of white pine in the overstory as well. As Jack Pine 79 3 25 Log scattered, spruce, also red white and Jack pine saplings in the sub canopy. 9 42210 - Natural Red Pine Sawtimber Well 4.3 111 111-140 N/A Small acreage stand of mature red pine, with jack pine, white pine and spruce. Surrounded by young jack pine. Some jack pine removed as **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size part of sale #039-96-01. Red Pine 80 13 111 Low Variable Variable Black Spruce 11/23 Previous inventory adequate to depict stand. No pine regen 12 White Pine 10 Red Maple Low 10 - 20 feet 10 - 20 feet found, mainly spruce coming back in canopy gaps. Variable 5 9 Variable Jack Pine Seedling Balsam Fir Medium Variable topography with pits containing Labrador tea and black spruce. Black Spruce 5 8 White Pine Low Variable Variable Seedling 2 10 4222 - Natural Jack Pine Unspecifed 79.0 Unspecified Nice, tall, mature jack pine. Showing some signs of mortality. Black spruce component. Component of red pine and white pine as well. Size **Sub-Canopy Species** Density Avg. Height More of a pure jack pine stand in eastern part of the stand. Red Pine Low >20 feet >20 feet Understory is thick in areas, balsam, spruce and red maple 10-20 ft tall. Scattered aspen and white birch in western portion. Units 1-3 of >20 feet >20 feet White Pine Low Snag It Pine 42-19-14. Unit 2 scarified in 2017. Units 1 & 3 scarified Jack Pine Low 5 - 10 feet 5 - 10 feet fall 2018. FTP 42-870. Jack Pine Low < 5 feet < 5 feet Regen check 10/22. Some conifer coming back, but a lot of red maple Black Spruce Medium Variable Variable and aspen coming in. Monitor again to give the jack pine another year to grow. Possible change to m.o. to upland mixed for next years regen check. 11/23 Spur road was put in to access stand and was bermed, but berm has been trampled over and opened up again. Regen check for natural jack pine with good component of black spruce red Maple paper Birch seedlings. Passed regen check ~950 tpa jp in patches. Long term retention patch in center of stand from previous harvest.

Compartment: 55

Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
11	42220 - Nat	ural Jack P	ine	Sapling	y Well	126.5	22	Immature	N/A	Λ.	Harvested in 1999 and 2000 as sale #039-96-01. Northern 2/3 of
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand cut in 1999. Stand was scarified in 2004 (FTP#42-473). Good component of residual mature red pine throughout the stand.
	Red Maple	5	Log	3		R	ed Pine	Medium	< 5 feet	< 5 feet	Northern 2/3 of the stand was planted through (jack pine). Road
	White Pine	5	Log	4		Wh	nite Pine	Medium	< 5 feet	< 5 feet	running north through the stand is growing closed. 11/23 Previous
	White Pine	10		18		Ja	ck Pine	High	< 5 feet	< 5 feet	inventory adequate to depict stand.Road is still walkable and growing in. beginning to reach Pole size class throughout. Mature over story,
	Jack Pine	60	Log	4	22						red and white pines approximately 20 inch.
	Red Pine	5	Log	4							
	Red Pine	15		18							
12	429 - Mixed l	Jpland Con	ifers	Poletimb	er Well	6.8	97	81-110	N/A	١	1/24
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Imagery suggests this areas composition closely resembles that which was present in stand 10 to the immediate east. Split this "finger
	Balsam Fir	5	Seedling	7			d Maple	Medium	10 - 20 feet	10 - 20 feet	from stand 7 to the west and site conditioned as long term retention.
	White Pine	5		12		Blac	k Spruce	Low	10 - 20 feet	10 - 20 feet	, and the second
	Jack Pine	5	Seedling	8		Ва	lsam Fir	High	Variable	Variable	Units 1-3 of Snag It Pine 42-19-14. Unit 2 scarified in 2017. Units 1 & 3 scarified fall 2018. FTP 42-870. ixed stand with thick understory in
	Red Pine	10		15					I	ı	most areas. Fairly low quality stand. Small diameter red maple.
	White Spruce	5		12							Larger spruce and white pine. White birch in wetter areas, showing
	Black Spruce	40	Seedling	8	97						substantial mortality. Jack pine mixed in mainly along eastern stand edge. Good component of balsam. A few areas of blowdown.
	Red Maple	25		9	96						edge. Good component of balsam. A few aleas of blowdown.
	Paper Birch	5	Seedling	8							
13	42220 - Nat	ural Jack P	ine	Poletimb	er Well	400.2	47	81-110	N/A	\	Young jack pine stand, harvested in 1977-1978. Stand is transitioning
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	from a sapling stand to a pole stand. Larger diameter red pine mainly in western portion of the stand. Dense stand. Minimal amount of
	Red Pine	5		12		Ва	Isam Fir	Low	Variable	Variable	budworm damage.
	Jack Pine	95	Sapling	5	47	Ja	ck Pine	High	10 - 20 feet	10 - 20 feet	
14	500	- Water		Unspe	cifed	31.1			No		The Widewaters
15	4222 - Nati	ıral Jack Pi	ne	Unspe	cifed	43.9	1				Monitor completed 11/23. ~100 TPA of natural jack pine with higher
						Sub-Ca	nopy Species	Density	Avg. Height	Size	seedling densities in ground depressions. Stand harvested via clearcut with reserves: Way Up North Pine 42-11-16: TCR complete
						Ja	ck Pine	Medium	< 5 feet	< 5 feet	8/26/2020.Stand scarified 7/27/2020. Monitoring in place.10/22
											did not pass regen check, monitor, will likely pass next year11/23 regen checkNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 632 TPA avg height 1.3 ftNon-target - 9 TPA
16	42220 - Nat	ural Jack P	ine	Sapling	y Well	106.7	25	Immature	N/A	1	Harvested as sale #023-96-01. Completed 1999 (cut 1998 & 1999).
	Canopy Species Jack Pine	% Cover	Size Class Log	DB H	Age 25						Scarified in 5/99 and 7/2000. Regeneration survey in 2003 (1065 t/a). Good regeneration. Average height of 5-10 ft, thick regeneration throughout most of stand.
											11/23 Previous inventory is adequate to depict stand. Ages and diameters have been updated. Dense JP regeneration throughout.

Compartment: 55

Newberry	Mgt.	Unit	
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	Level 4 C	over Type		Size De	ilisity	Acres	Stand Age		Managed S		General Comments		
17	42220 - Nat	ural Jack Pi	ine	Sapling	Poor	20.9	14	81-110	N/A		Sale #: 42-008-06-01. Partially completed 7/20/2011. Sale completed 01/20/12. Scarification yet to be completed as of 01/27/12.		
	Canopy Species	% Cover	Size Class		I Age						Regeneration check needed in 2016.		
	Red Pine Paper Birch	1	Seedling	18							Regen 2016: Jack pine regen at 685 TPA.		
	Jack Pine	98	Log	2	14						11/23 Jack pine regeneration showing good signs of growth past 7		
											years. low mortality. Stand ages and diameters have been updated.		
18	42220 - Nat	ural Jack Pi	ine	Sapling	g Well	107.0	25	Immature	N/A	1	Harvested as sale #008-96-01, completed 1999. Cut in 1998 and		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	s Density	Avg. Height	Size	1999. Scarified in 1999 and 2000. All fully stocked at time of regen check in May 2003. Better regeneration in the southern portion of the		
	Red Pine	1	Seedling	5		Wh	nite Pine	Low	5 - 10 feet	5 - 10 feet	stand. Survey 5/20/2003 - 751 t/a and 685 t/a. FTP#42-453.		
	White Spruce	1	Seedling	5		Re	ed Pine	Low	5 - 10 feet	5 - 10 feet	2014 - jack pine regeneration is 5-10 ft tall on average. Northeastern		
	White Pine	4	Seedling	9							corner of the stand has slightly more sparse regeneration.		
	Jack Pine	91	Log	4	25								
	Red Maple	3	Seedling	8							11/23 Previous inventory is adequate. Stand is showing good growth overall. Jack pine average height approaching 25 feet and entering		
											pole class size. There are scattered red and white pine throughout the stand as well as some spruce.		
											stand de Weil de Cente oprace.		
19	622	1 - Fen		Unspe	cifed	3.9			No		Fen of the Shelldrake River.		
			ne				1		No		Fen of the Shelldrake River.		
19	622 ⁻ 4222 - Natu		ne	Unspe		40.6	<u> </u>	s Density			Fen of the Shelldrake River. Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring		
			ne			40.6 Sub-Car	nopy Species		Avg. Height	Size	Fen of the Shelldrake River. Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place.10/22 did not pass regen check, monitor, will likely pass		
			ne			40.6 Sub-Car	nopy Species	Low	Avg. Height < 5 feet		Fen of the Shelldrake River. Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring		
			ne			40.6 Sub-Car	nopy Species		Avg. Height	Size < 5 feet	Fen of the Shelldrake River. Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place.10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural		
		ural Jack Pir			ecifed	40.6 Sub-Car	nopy Species	Low	Avg. Height < 5 feet	Size < 5 feet >20 feet	Fen of the Shelldrake River. Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place. 10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 1530 TPA avg height 1.3 ftNon-target - 330 TPA 11/3/23		
20	4222 - Natu	ural Jack Pir ural Jack Pi		Unspe	ecifed	40.6 Sub-Ca Ja Pap	nopy Species ack Pine per Birch	Low Trace	Avg. Height < 5 feet >20 feet	Size < 5 feet >20 feet	Fen of the Shelldrake River. Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place. 10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 1530 TPA avg height 1.3 ftNon-target - 330 TPA 11/3/23 Overall DBH and age updated via cutting record. Possible forest		
20	4222 - Natu 42220 - Nat	ural Jack Pir ural Jack Pi	ine	Unspe	ecifed g Well	40.6 Sub-Cai Ja Pap 122.3 Sub-Cai	nopy Species ack Pine per Birch	Low Trace Immature s Density	Avg. Height < 5 feet >20 feet	Size < 5 feet >20 feet	Fen of the Shelldrake River. Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place. 10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 1530 TPA avg height 1.3 ftNon-target - 330 TPA 11/3/23		
20	4222 - Natu 42220 - Nat Canopy Species	ural Jack Pir ural Jack Pi % Cove r	ine Size Class	Unspe Sapling DBH	ecifed g Well	40.6 Sub-Cai Pag 122.3 Sub-Cai Blueberry/B	nopy Species ack Pine per Birch 30 nopy Species	Low Trace Immature S Density	Avg. Height < 5 feet >20 feet N/A Avg. Height	Size < 5 feet >20 feet Size < 5 feet	Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place. 10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 1530 TPA avg height 1.3 ftNon-target - 330 TPA 11/3/23 Overall DBH and age updated via cutting record. Possible forest health concern for pine gall rust. Moderate to high densities through stand. Pure jack pine stand.		
20	4222 - Natu 42220 - Nat Canopy Species	ural Jack Pir ural Jack Pi % Cove r	ine Size Class	Unspe Sapling DBH	ecifed g Well	40.6 Sub-Cai Pag 122.3 Sub-Cai Blueberry/B	nopy Species ack Pine per Birch 30 nopy Species filberry/Cranbe	Low Trace Immature S Density erry High	Avg. Height < 5 feet >20 feet N/A Avg. Height < 5 feet	Size < 5 feet >20 feet Size < 5 feet	Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place. 10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 1530 TPA avg height 1.3 ftNon-target - 330 TPA 11/3/23 Overall DBH and age updated via cutting record. Possible forest health concern for pine gall rust. Moderate to high densities through stand. Pure jack pine stand.		
20	4222 - Natu 42220 - Nat Canopy Species	ural Jack Pir ural Jack Pi % Cover 100	ine Size Class Log	Unspe Sapling DBH	g Well I Age 30	40.6 Sub-Cai Pag 122.3 Sub-Cai Blueberry/B	nopy Species ack Pine per Birch 30 nopy Species filberry/Cranbe	Low Trace Immature S Density erry High	Avg. Height < 5 feet >20 feet N/A Avg. Height < 5 feet	Size < 5 feet >20 feet Size < 5 feet Not Applicable	Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place. 10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 1530 TPA avg height 1.3 ftNon-target - 330 TPA 11/3/23 Overall DBH and age updated via cutting record. Possible forest health concern for pine gall rust. Moderate to high densities through stand. Pure jack pine stand. Stand harvested as sale #37-88-01. Completed in 1994. Scarified spring of 1995. Pretty uniform regeneration throughout the stand. Regeneration is slightly thicker and taller along the road through the stand. Machine planted in May 2000 (FTP#42-378) Stand was scarified in July 1991. Regeneration check done in fall		
20	4222 - Natu 42220 - Nat Canopy Species Jack Pine	ural Jack Pir W Cover 100	ine Size Class Log	Sapling DBH 4	g Well I Age 30	40.6 Sub-Cai Ja Pap 122.3 Sub-Cai Blueberry/B Brace	nopy Species ack Pine per Birch 30 nopy Species silberry/Cranbe cken Fern	Low Trace Immature S Density erry High High High	Avg. Height < 5 feet >20 feet N/A Avg. Height < 5 feet Not Applicable	Size < 5 feet >20 feet Size < 5 feet Not Applicable	Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20. Stand scarified 7/28/2020. Monitoring in place. 10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 1530 TPA avg height 1.3 ftNon-target - 330 TPA 11/3/23 Overall DBH and age updated via cutting record. Possible forest health concern for pine gall rust. Moderate to high densities through stand. Pure jack pine stand. Stand harvested as sale #37-88-01. Completed in 1994. Scarified spring of 1995. Pretty uniform regeneration throughout the stand. Regeneration is slightly thicker and taller along the road through the stand. Machine planted in May 2000 (FTP#42-378)		
20	4222 - Natu 42220 - Nat Canopy Species Jack Pine 42220 - Nat	ural Jack Pir W Cover 100	size Class Log	Sapling DBH 4	g Well Age 30	40.6 Sub-Cai Ja Pap 122.3 Sub-Cai Blueberry/B Brace 79.2 Sub-Cai	nopy Species ack Pine per Birch 30 nopy Species tilberry/Cranbecken Fern	Low Trace Immature S Density erry High High High	Avg. Height < 5 feet >20 feet N/A Avg. Height < 5 feet Not Applicable	Size < 5 feet >20 feet Size < 5 feet Not Applicabl	Stand harvested via cleacut with retention: Way Up North Pine - 42-1 16. TCR completed 8/26/20.Stand scarified 7/28/2020. Monitoring in place. 10/22 did not pass regen check, monitor, will likely pass next yearNatural regen check autumn 2024, FRS contract. Natural jack pine. Target- 1530 TPA avg height 1.3 ftNon-target - 330 TPA 11/3/23 Overall DBH and age updated via cutting record. Possible forest health concern for pine gall rust. Moderate to high densities through stand. Pure jack pine stand. Stand harvested as sale #37-88-01. Completed in 1994. Scarified spring of 1995. Pretty uniform regeneration throughout the stand. Regeneration is slightly thicker and taller along the road through the stand. Machine planted in May 2000 (FTP#42-378) Stand was scarified in July 1991. Regeneration check done in fall		

Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	te	General Comments
23	42220 - Nat	ural Jack Pi	ine	Poletimb	er Well	41.1	103	111-140	N/A		Portion of the natural jack pine stand(s) that is located on the "steps"
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	and slope down to the river. Some mortality due to budworm. Scattered limby jack pine with larger diameters. White birch in areas
	Red Pine	2	Seedling	8		Ja	ck Pine	Medium	10 - 20 feet	10 - 20 feet	Ocationed limby jack pine with larger diameters. White billori in areas
	Black Spruce	5	Seedling	8		Ва	lsam Fir	Low	Variable	Variable	11/23 Previous stand inventory is adequate. High levels of diversity
	White Pine	3		20		Re	d Maple	Low	Variable	Variable	along the steep with notable components of red pine and red maple found throughout. Recommended as retention with possible site
	Jack Pine	80		9	103						condition for steepness and water quality. Some super canopy white
	Red Maple	5	Seedling	6							pine found in areas. Site conditioned j3.
	Paper Birch	5	Seedling	8							
24	4222 - Natu	ıral Jack Piı	ne	Unspe	cifed	62.8	1				Stand harvested via clearcut with retention: Way Up North Pine - 42-
						Sub-Ca	nopy Specie	es Density	Avg. Height	Size	11-16. TCR Complete 8/26/2020.Half of the stand was scarified summer of 2019 and second half in summer of 2020. Monitoring in
							ck Pine	Low	< 5 feet	< 5 feet	place.10/22 did not pass regen check, monitor, will likely pass next
											Western portion of the stand. Eastern portion has more growth, but also lacks tree's per acre. Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 261 TPA avg height 1.6 ftNon-target - 287 TPAFailed- Plant recommended
25	42220 - Nat	ural Jack Pi	ne	Sapling N	Medium	85.0	17	Immature	N/A		Stand harvested as sale #012-06-01. Completed 1/31/2008. Scarification completed 10/15/08 (FTP42-672). Regeneration check
	Canopy Species		Size Class		Age						needed by 2012. Summer 2012: JP=696, RP = 11, TPA = 707.
	Red Pine	2		9							Young jack pine stand. 3 ft tall on average. Red maple stump
	Jack Pine	90	Log	2	17						sprouts 5 ft tall. Road through stand has closed in with jack pine regeneration.
	Red Maple	2	Log	2	17						
	Paper Birch	6	Seedling	7							11/23 Jack pine regeneration, approaching 70% canopy closure and 7- 10 foot average height. Residual red Maple and Birch doing well. Red Maple stump sprouts also appear to be doing well.
26	42221 - Natural Dec	Jack Pine, iduous	Mixed	Sapling N	Medium	34.4	27	Immature	N/A		Stand harvested as sale #010-96-01. Completed 4/21/1999. Scarification completed June 1999 (FTP#42-468). Residual red oak
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	retained. Jack pine regeneration with some red maple stump sprouting. Long term management objective is jack pine.
	Jack Pine	65	Log	4	27	Ja	ck Pine	Medium	< 5 feet	< 5 feet	sprouting. Long term management objective is jack pine.
	Red Maple	10	Log	3	27	R	ed Oak	Medium	< 5 feet	< 5 feet	11/23 Natural Jack pine coming along nicely. Beginning to enter pole
	Red Oak	25	Seedling	9				'	1		size class. Residual oak also doing well, fairly large overstory component. Maple saplings reaching approximately 20 feet.
27	42220 - Nat	ural Jack Pi	ine	Sapling	y Well	106.0	31	Immature	N/A		Harvested as sale #035-88-01, completed in fall 1993. Scarified in
	Canopy Species		Size Class		Age						August of 1994. Stocking Survey in July 1998. Pretty nice regeneration. Some oak and maple regeneration as well. Best
	Jack Pine	85	Log	4	31						regeneration is along the abandoned road. Thicker regeneration
	Red Maple	5	Log	3							further south in the stand.
	Red Oak	5	Log	3							11/23 Previous inventory adequate to depict Stand. Ages and
	Red Oak	5		10							diameters adjusted. Jack pine regeneration is denser in some spots.
											Entering poll size class in others.

Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	te	General Comments	
29	42220 - Na	tural Jack P	ine	Sapling	Poor	285.8	13	Immature	N/A		Sale #: 42-008-06-01. Partially completed 7/20/2011. Sale completed	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	01/20/12. Scarification yet to be completed as of 01/27/12. Regeneration check needed in 2016.	
	Red Pine	5		16		Re	ed Pine	Trace	< 5 feet	< 5 feet	Trogottoration chock needed in 2010.	
	White Pine	5		10		Wh	ite Pine	Low	< 5 feet	< 5 feet	Regen 2016: Payment units 2 and 3 were well stocked with 611	
	Jack Pine	85	Log	1	13	Ja	ck Pine	Low	< 5 feet	< 5 feet	and 1027 TPA of jack pine, respectively. Payment unit 8 had 365 TPA of jack pine, 426 TPA of white pine, and 167 TPA of red pine. Higher	
	Red Maple	5	Sapling	5							residual basal area in southeastern section (Payment unit 8).	
											Regen 2015: Payment units 3, 4, 5, 6, 7. Jack pine 447 TPA, red maple 114 TPA, oak 47 TPA.	
											11/23 Stand updated. SE portion of stand contains pole and log size red pine.	
30	4222 - Nat	ural Jack Pi	ne	Unspe	cifed	79.7	1				Stand harvested via Clearcut: Way Up North Pine - 42-11-16. TCR	
						Sub-Car	nopy Species	Density	Avg. Height	Size	Complete 8/26/2020. Site scarified in late summer of 2018. Lots of 1 year old jack pine seedlings. Monitoring in place for next	
						Re	ed Oak	Trace	>20 feet	>20 feet	year.Regen checked in 11/23, several linear plots were run, few	
						Ja	ck Pine	Low	Variable	Variable	trees counted in. Regen (jack pine) is even and sometimes clumped with ages of approx 3 years and approx 6 years. scattered residual	
											oak throughout stand. Did not pass, check again in FY 2025.Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 385 TPA avg height 2.9 ftNon-target - 485 TPAFailed- Plant recommended	
31	500	- Water		Unspe	cifed	18.2			No		The Shelldrake River	
32	42220 - Na	tural Jack P	ine	Sapling	Well	136.7	26	Immature	N/A		Harvested in 1998, sale #016-96-01. Scarified in June 1999. Good regeneration, especially north and western portions of the stand.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Scattered residual pole and log size red pine, one patch as well. Old	
	Jack Pine	85	Log	2	26	Ja	ck Pine	Medium	< 5 feet	< 5 feet	roads are beginning to fill in with jack pine.	
	Red Pine	10		9		Re	ed Pine	Trace	< 5 feet	< 5 feet	11/23	
	White Spruce	5	Log	4							Roads are still passable. Previous inventory adequately depicts stand updates made.	
33	42220 - Na	tural Jack P	ine	Poletimb	er Well	6.5	100	81-110	N/A		Ridge of jack pine and some red pine, retained when adjacent stand	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	to the east was cut. Good long term retention.	
	Red Pine	10		12		Re	ed Pine	Medium	5 - 10 feet	5 - 10 feet	Large pines over toping mature jack that is throughout. Pockets of	
	White Pine	10		22		Wh	ite Pine	Medium	5 - 10 feet	5 - 10 feet	thick regeneration of various species. Highly variable.	
	Jack Pine	70	Seedling	9	100	Ja	ck Pine	Low	10 - 20 feet	10 - 20 feet	Site conditioned for topography and/or retention.	
	Red Oak	5	Seedling	5				,	1		. One contained for topography unare following.	
	Paper Birch	5	Seedling	5								

Newberry Mgt. Unit

Stand	Level 4 Cover Type			Size Density		710100	Stand Age BA Range		Managed Site		General Comments
34	6124 - Lowland Spruce-Fir			Poletimber Well		156.4	106	111-140	N/A		11/23 Edge call, previous inventory adequate to depict stand. Stand
	Canopy Species % Cover Size Class		Size Class	s DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size	surrounded by large ridge and no known roads. Difficult access and winter cut only due to wet areas. Lowland stand of mixed conifers.
Balsam Fir		10 Seedl	Seedling	7		Blac	Black Spruce hern White Cedar	Medium Medium	10 - 20 feet	10 - 20 feet	Areas thicker to black spruce, mostly in the western portion of the stand. Real mix of species. Some open areas with more tag alder.
	Black Spruce	45 Seedling		8	106 Nort	Northern			5 - 10 feet	5 - 10 feet	
Nor	rthern White Cedar	20	Seedling	10		Ta	g Alder	Low	5 - 10 feet	5 - 10 feet	Areas of a "Q5" with tag alder. Small slight ridges with some low quality jack and red pine. Southern end is mostly black spruce with
	Red Maple 15 Seedling		Seedling	g 8		Bal	sam Fir	Low	Variable	Variable	cedar. Fairly wet stand throughout. Winter only.
	Paper Birch	10	Seedling	9							
35	42290 - Natural Mixed Pine		Pine	Sawtimber Poor		16.8 116 1-50		N/A		Stand has a high variability of species in the northern portions of the	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	s Density	Avg. Height	Size	stand. Southern portion of the stand has higher BA of red pine and white pine. Large mature red pine and white pine.
	White Pine	30		12		Bal	sam Fir	Low	Variable	Variable	
	Red Oak	15		9		Re	d Maple	Low	10 - 20 feet	10 - 20 feet	Stand harvested via shelterwood with retention: Way Up North Pine
	Paper Birch	10	Seedling	8		Re	ed Pine	Low	< 5 feet	< 5 feet	42-11-16. TCR Complete 8/26/2020. Scarification of site completed 7/28/2020. Monitoring in place.
	Red Pine	40		12	116	Wh	ite Pine	Low	Variable	Variable	·
	Balsam Fir	5	Seedling	5							Previous inventory records are adequate to depict stand. Some notable blow down of residual trees, several spp, from previous
36	42221 - Natural	,	Mixed	Unspe	cifed	47.7	1				if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc
36		Jack Pine, iduous	Mixed	Unspe	cifed			o Domoitu	Ave Usight	Cima .	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up
36		,	Mixed	Unspe	cifed	Sub-Car	nopy Specie		Avg. Height	Size >20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified
36		,	Mixed	Unspe	cifed	Sub-Car	nopy Specie	Low	>20 feet	>20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place. Inventory for November 2023
36		,	Mixed	Unspe	cifed	Sub-Car Re	nopy Specie ed Pine d Maple	Low Low	>20 feet >20 feet	>20 feet >20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory.Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place.Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium.Natural regen check autumn
36		,	Mixed	Unspe	cifed	Sub-Car Re Rec Pap	nopy Specie ed Pine d Maple per Birch	Low Low Low	>20 feet >20 feet >20 feet	>20 feet >20 feet >20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory.Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place.Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium.Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 696 TPA avg height
36		,	Mixed	Unspe	cifed	Sub-Car Re Rec Pap Whit	nopy Specie ed Pine d Maple	Low Low	>20 feet >20 feet	>20 feet >20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory.Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place.Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium.Natural regen check autumn
36		,	Mixed	Unspe	cifed	Sub-Car Re Rec Pap Whit	nopy Specie ed Pine d Maple per Birch e Spruce	Low Low Low Trace	>20 feet >20 feet >20 feet < 5 feet	>20 feet >20 feet >20 feet < 5 feet	Nice tall jack pine. Red pine, white pine and occasional black spruce Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place. Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium. Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 696 TPA avg height
	Deci	,	Mixed	Unspe		Sub-Car Re Rec Pap Whit	nopy Specie ed Pine d Maple ber Birch be Spruce uite Pine	Low Low Trace Medium	>20 feet >20 feet >20 feet >20 feet < 5 feet < 5 feet	>20 feet >20 feet >20 feet < 5 feet < 5 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory.Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place.Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium.Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 696 TPA avg height
37	Deci	iduous É			cifed	Sub-Car Re Rec Pap Whit Wh	nopy Specie ed Pine d Maple per Birch ee Spruce uite Pine	Low Low Trace Medium	>20 feet >20 feet >20 feet <5 feet <5 feet >20 feet	>20 feet >20 feet >20 feet <5 feet <5 feet >20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place. Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium. Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 696 TPA avg height 1.5 ftNon-target - 717 TPAFailed- Plant recommended Fen of the Shelldrake River.
37	Deci	iduous 1 - Fen ural Jack P	ine	Unspe	cifed er Well	Sub-Car Re Rec Pap Whit Wh	nopy Specie ed Pine d Maple per Birch ee Spruce uite Pine	Low Low Trace Medium Low	>20 feet >20 feet >20 feet >20 feet < 5 feet < 5 feet >20 feet	>20 feet >20 feet >20 feet <5 feet <5 feet >20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place. Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium. Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 696 TPA avg height 1.5 ftNon-target - 717 TPAFailed- Plant recommended Fen of the Shelldrake River. Long term retention zone, for wildlife concerns, from stand harvester via clearcut with retention to the south: Way Up North Pine - 42-11-7 Tall, row of overmature, natural jack pine. Approx 80 years old. Mature jack pine. Overall stand health is good. Some budworm
37	6221 42220 - Nati	iduous 1 - Fen ural Jack P	ine	Unspe	cifed er Well	Sub-Car Rei Rei Pap Whit Wh 59.8	nopy Specie ed Pine d Maple ber Birch be Spruce hite Pine hite Pine	Low Low Trace Medium Low Unspecified	>20 feet >20 feet >20 feet >20 feet < 5 feet < 5 feet >20 feet	>20 feet >20 feet >20 feet <5 feet <5 feet >20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruc Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place. Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium. Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 696 TPA avg height 1.5 ftNon-target - 717 TPAFailed- Plant recommended Fen of the Shelldrake River. Long term retention zone, for wildlife concerns, from stand harvester via clearcut with retention to the south: Way Up North Pine - 42-11-7 Tall, row of overmature, natural jack pine. Approx 80 years old. Mature jack pine. Overall stand health is good. Some budworm damage. White pine and black spruce component. High BA with lo
36 37 38 39	6221 42220 - Nati	iduous 1 - Fen ural Jack P	ine	Unspe	cifed er Well	Sub-Car Re Rec Pap Whit Wh 59.8 5.6	nopy Specie ed Pine d Maple ber Birch ee Spruce uite Pine uite Pine	Low Low Trace Medium Low Unspecified	>20 feet >20 feet >20 feet >20 feet < 5 feet < 5 feet >20 feet No	>20 feet >20 feet >20 feet < 5 feet < 5 feet >20 feet	Nice tall jack pine. Red pine, white pine and occasional black spruce Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place. Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium. Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 696 TPA avg height 1.5 ftNon-target - 717 TPAFailed- Plant recommended Fen of the Shelldrake River. Long term retention zone, for wildlife concerns, from stand harvested via clearcut with retention to the south: Way Up North Pine - 42-11-1 Tall, row of overmature, natural jack pine. Approx 80 years old. Mature jack pine. Overall stand health is good. Some budworm damage. White pine and black spruce component. High BA with lot of small diameter jack pine.
37	6221 42220 - Nati	iduous 1 - Fen ural Jack P	ine	Unspe	cifed er Well	Sub-Car Re Rei Pap Whit Wh 59.8 5.6 3.4 Sub-Car	nopy Specie ed Pine d Maple per Birch ee Spruce uite Pine iite Pine 81	Low Low Low Trace Medium Low Unspecified Immature S Density	>20 feet >20 feet >20 feet < 5 feet < 5 feet >20 feet No N/A Avg. Height	>20 feet >20 feet >20 feet < 5 feet < 5 feet >20 feet	if natural regen fails. More BA of birch than first estimated. Nice tall jack pine. Red pine, white pine and occasional black spruce Blowdown patches, evidence of budworm damage. Small spruce in the understory. Stand harvested clearcut with retention: Way Up North Pine - 42-11-16. TCR Complete 8/26/2020. Site scarified 7/30/2020. Monitoring in place. Inventory for November 2023 seedlings include Jack pine and white pine with trace amounts of white spruce density is low to medium. Natural regen check autumn 2024, FRS contract. Natural jack pine. Target- 696 TPA avg height 1.5 ftNon-target - 717 TPAFailed- Plant recommended Fen of the Shelldrake River. Long term retention zone, for wildlife concerns, from stand harvested via clearcut with retention to the south: Way Up North Pine - 42-11-1 Tall, row of overmature, natural jack pine. Approx 80 years old. Mature jack pine. Overall stand health is good. Some budworm damage. White pine and black spruce component. High BA with lot

									rear of Lifty, 2020		
Stand	Level 4 Cover Type 42210 - Natural Red Pine			Size Density Sawtimber Well		Acres Stand Age BA Range		Managed Site		General Comments	
40						30.9	95	111-140	N/A		Harvested as sale #006-96-01. Completed in 1999. No records of
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species Thite Pine	Density Medium	Avg. Height 10 - 20 feet	Size 10 - 20 feet	scarification, regenerating naturally. Thicker regeneration in pockets. Good component of residual mature red pine throughout the stand. Jack pine regeneration averaging 10 ft tall.
	White Pine	15		16		WI					
	Red Pine 85		14 9	95	Ja	Jack Pine		5 - 10 feet	5 - 10 feet	44/02 Chand was delineated from the 10 to the word De	
						Re	ed Pine	Medium	10 - 20 feet	10 - 20 feet	11/23 .Stand was delineated from stand 8 to the west. Does not appear to have been harvested in 1999. Stand includes second age
											class of pine and regeneration that is averaging 15 feet tall Including Jack pine, red pine and white pine. Major component of overstory red and white pine that is found throughout the area along with red and white pine regen and intermediate trees. Release should initiate growth.
41	42200 - Natural White Pine		Pine	Sawtimber Well		11.8	77	51-80	N/A		11/23 Stand delineated from adjacent stand due to high component of
	Canopy Species	% Cover	% Cover Size Class		DBH Age		nopy Species	Density	Avg. Height	Size	natural overstory white pine. Site conditioned for natural pine
	Red Pine	10		15		Blac	k Spruce	Medium	10 - 20 feet	10 - 20 feet	guidance.
	Balsam Fir	5	Seedling	9		Ва	lsam Fir	Medium	10 - 20 feet	10 - 20 feet	
	White Pine	65		17	77	Ja	Jack Pine		< 5 feet	< 5 feet	
	Black Spruce	5	Seedling	6							
	Red Maple	10	Seedling	8							
	Paper Birch	5		10							
42	42210 - Natural Red Pine			Poletimber Well		6.0	6.0 92 1-		N/A	Α	Harvested in 1998, sale #016-96-01. Scarified in June 1999. Good
	Canopy Species	% Cover	Size Class	DBH	l Age						regeneration, especially north and western portions of the stand. Scattered residual pole and log size red pine, one patch as well. Old
	Jack Pine	30	Log	2	25						roads are beginning to fill in with jack pine.
	Red Oak	1	Seedling	9							44/00:
	Red Pine	9	Log	2							11/23 inventory, roads still passable, scattered residual red oak and red pine saplings. Residual Red Pine are large (18" plus) and overtop
	Red Pine	60		18	92						current cohort of jack pine saplings. Site conditioned for natural pine guidance.
43	6229 - Mixed Lowland Shrub Unspec			cifed	13.7			No	1	Lowland shrub with Shelldrake River flowing through.	
46	42290 - Natural Mixed Pine			Sawtimber Well		20.2 87 1		111-140 N/A		4	Jack pine with a good component of red pine. Pockets of larger
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	diameter red pine throughout. Areas with lots of limby jack pine. Good amount of variability in the stand.
	Black Spruce	5	Seedling	9		Blac	k Spruce	Medium	10 - 20 feet	10 - 20 feet	·
	White Pine	10		18		Wh	nite Pine	Medium	10 - 20 feet	10 - 20 feet	11/23 jack pine in stand are over mature, showing signs of mortality
	Jack Pine	50		10	87	Jack Pine Red Pine		Low	10 - 20 feet		throughout. Two age classes of red pine are present, including x-log and log size overstory trees and pole size sub canopy trees. Large
	Red Pine	15	Seedling	5				Medium	10 - 20 feet 10 - 20 fee	white pine also found throughout.	
	D 10:	00		00							· · · · · · · · · · · · · · · · · · ·

Red Pine

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20

Compartment: 55