

Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42005 Entry Year 2023

Acreage: 2,471 County Luce

Management Area: Deer Park

Revision Date: 2021-12-29

Stand Examiner: Jacob Kriehn

Legal Description:

T49N-R12W Sections 1-2 & 10-15

Identified Planning Goals:

Vegetative management for the Deer Park Management Area will emphasize balancing the age classes of jack pine and red pine, and provide various timber products. Management will maintain or enhance wildlife habitat.

Soil and topography:

This compartment is a mix of Histols, Aquents, Spot-Finch Complex, Croswell-Spot Complex, Dawson, Greenwood, Loxley, Carbondale, Lupton, Tawas, and Deer Park Sand. The compartment is mostly upland and fairly level. It has a gentle downward grade into lowland the Blind Sucker Flooding and the Blind Sucker River.

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

This compartment is made up of solid state ownership with no private inholdings. The compartment includes the western reaches of the Blind Sucker Flooding which is designated as a State Wildlife Flooding. Land Use in and around the compartment is generally low with recreational activities being the main use of the area. These activities include fishing, waterfowl hunting, deer hunting, trapping, canoeing and kayaking, snowmobiling, ORV riding and berry picking.

Unique Natural Features:

Michigan Natural Features Inventory (MNFI) notes numerous communities dry northern forest, dry-mesic northern forest, mesic northern forest, bog, muskeg, rich conifer swamp, hardwood-conifer swamp, and patterned fen. MNFI also lists potential for osprey, eagle, merlin, goshawk, great blue heron rookery, loon, Blanding's turtle, marsh birds including, yellow rail, American bittern, least bittern, marsh wren, and common moorhen. Potential for calypso, round-leaved orchid, ram's head lady's slipper, and limestone oak fern. Potential for pine-drops, auricled twayblade orchid, American shoregrass, moor rush, panicled srew-stem, Hill's pondweed, alternate-leaved water-milfoil, and autumnal water star-wort.

Archeological, Historical, and Cultural Features:

None listed at this time.

Special Management Designations or Considerations:

The Blind Sucker Flooding is a designated Wildlife Flooding. Normal BMP guidelines will be followed as well as any special considerations that may be defined in the Master Plan for the Operation and Maintenance for the Blind Sucker Wildlife Flooding.

Watershed and Fisheries Considerations:

This compartment contains Blind Sucker Flooding, Brucker Lake, and Keopfgen Lake. We have no file for Keopfgen Lake in the center of this compartment. The Brucker Lake fishery is comprised of stunted yellow perch, small pumpkinseed sunfish, golden shiner, and central mudminnows. The control structure for Blind Sucker Flooding is maintained by Wildlife Division. The Blind Sucker Flooding fishery is a premier trophy northern pike fishery. Any treatments near the riparian zones for these waterbodies should buffer 100 ft plus 5 ft per 1% increase in slope.

Wildlife Habitat Considerations:

Compartment 5 lies in far northwestern Luce county and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection and is in the Deer Park Management Area and Kirtland's warbler, red crossbill and American marten are featured species. The northern edge of the compartment lies along the Dead Sucker river and the southern edge lies along the Blind Sucker river and the Blind Sucker Flooding. Bald eagles and osprey have active and historic nests along the flooding in several places. The compartment is largely dominated by pine types. Jack pine is scattered throughout the central portion of the compartment while mixed conifer, lowland conifer and lowland types border the southern portions.

Wildlife objectives will be achieved by retaining any hard mast producing species in harvested pine stands and super canopy white pine for eagle nest trees and bear refuge trees. Hemlock will be retained in stands for species and structural

diversity and to provide warbler nesting habitat and bear refuge trees. Scattered white pine, in addition to retention pockets of pine, will provide habitat needs of red crossbill, a featured species in this compartment. Wildlife species potentially using this compartment include white-tailed deer, wolves, coyotes, black bear, fisher, marten, red crossbills and bald eagles.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. The nearest active sand/gravel pit is roughly eight miles away, and potential for non-metallic mineral development within the compartment appears to be minimal. No current mineral leasing activity exists in the area. The State does not own all mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Vehicle access to this compartment is limited. The only access road is a two track on the West side that comes off County Road 416. The rest of the compartment is blocked by water. The main road into the compartment has a steep section that could be difficult for logging trucks to get in and out on. There are several two tracks that transect the compartment and provide access within the compartment.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Recreational Opportunities consist of fishing, hunting, and wildlife viewing. There are two State Forest Campgrounds located on the Blind Sucker Flooding and each have a boat launch. The Blind Sucker Pathway is located along the northern boundary of the compartment. Country Road 416 is used as a snowmobile trail in the winter.

Fire Protection:

Wildfire response for this compartment is covered by the Seney Field Office. It is adjacent to the Two Hearted Zone Dispatch area. There is large fire potential in the continuous pine fuel types. Wildfire response times would be long in this area due to only one road leading into the compartment.

Additional Compartment Information:

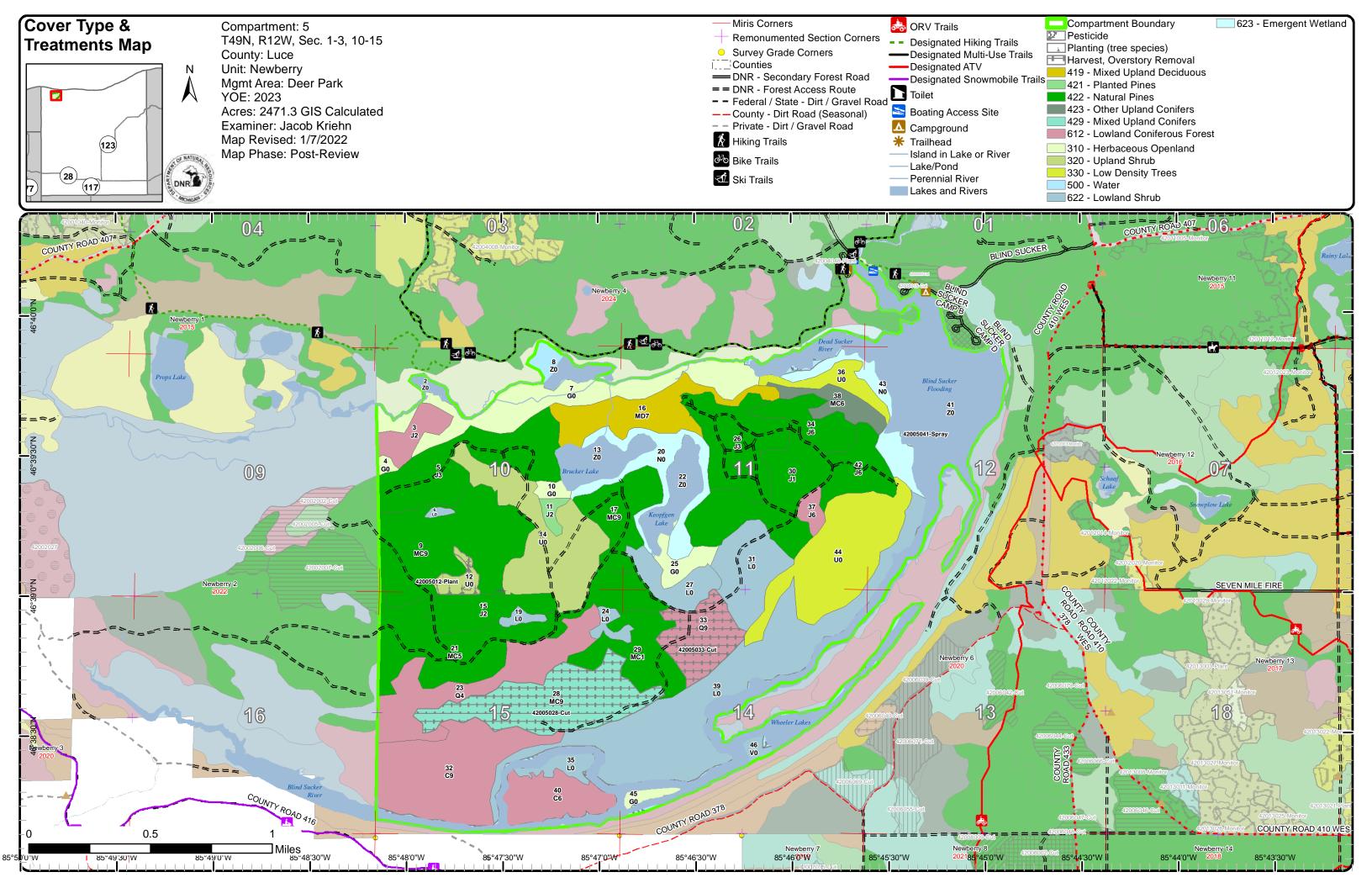
None

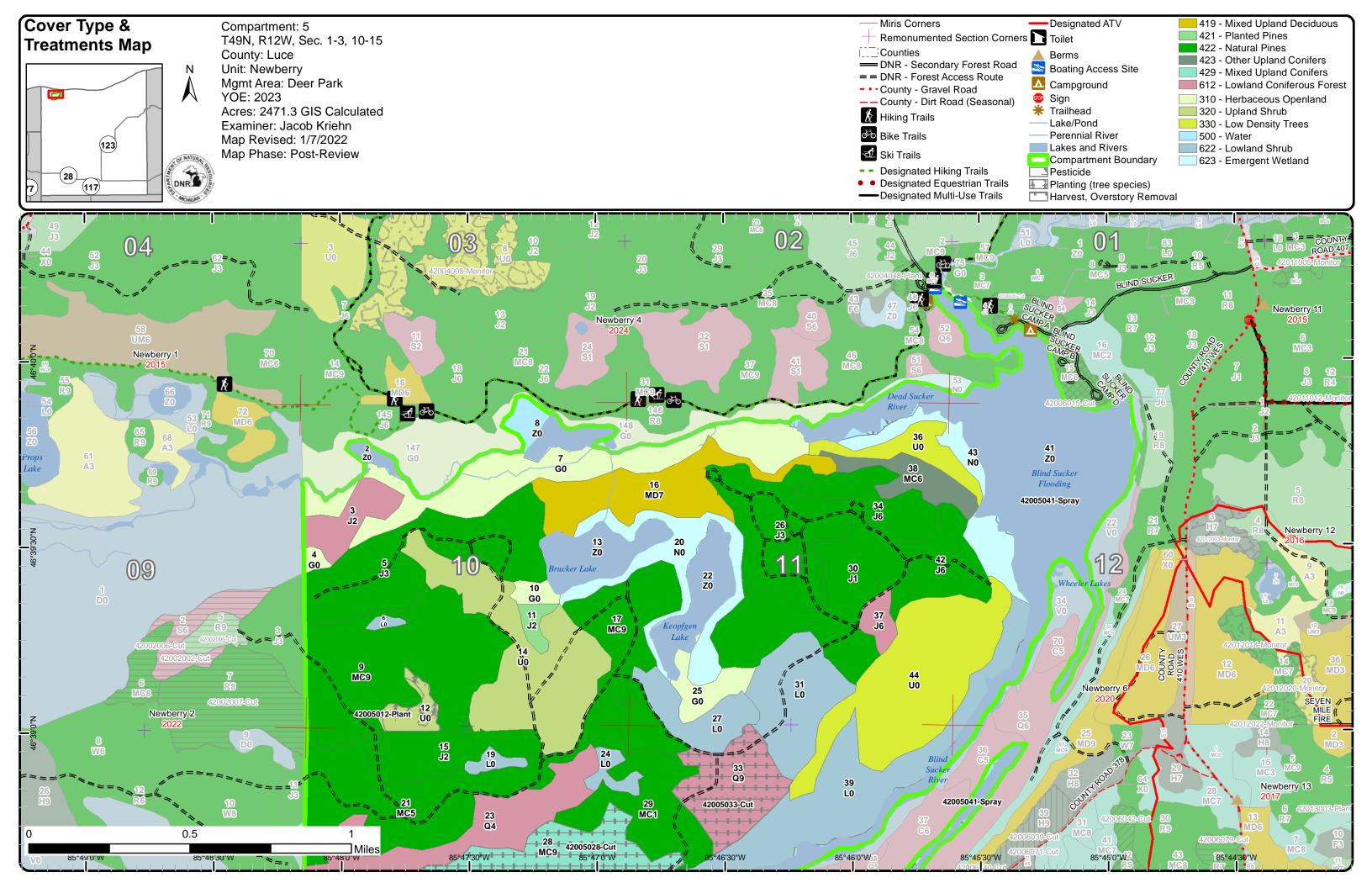
The following reports from the Inventory are attached:

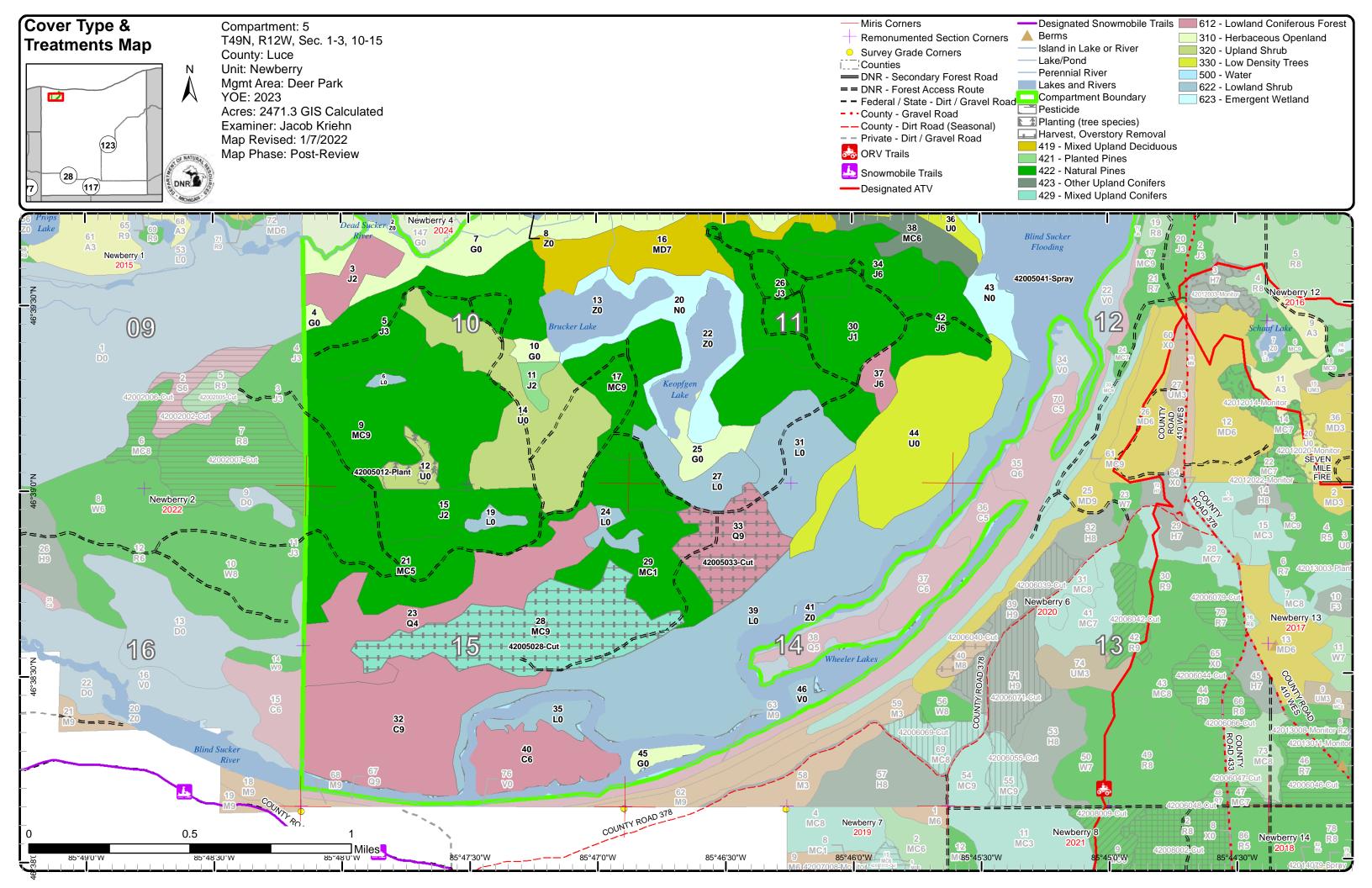
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

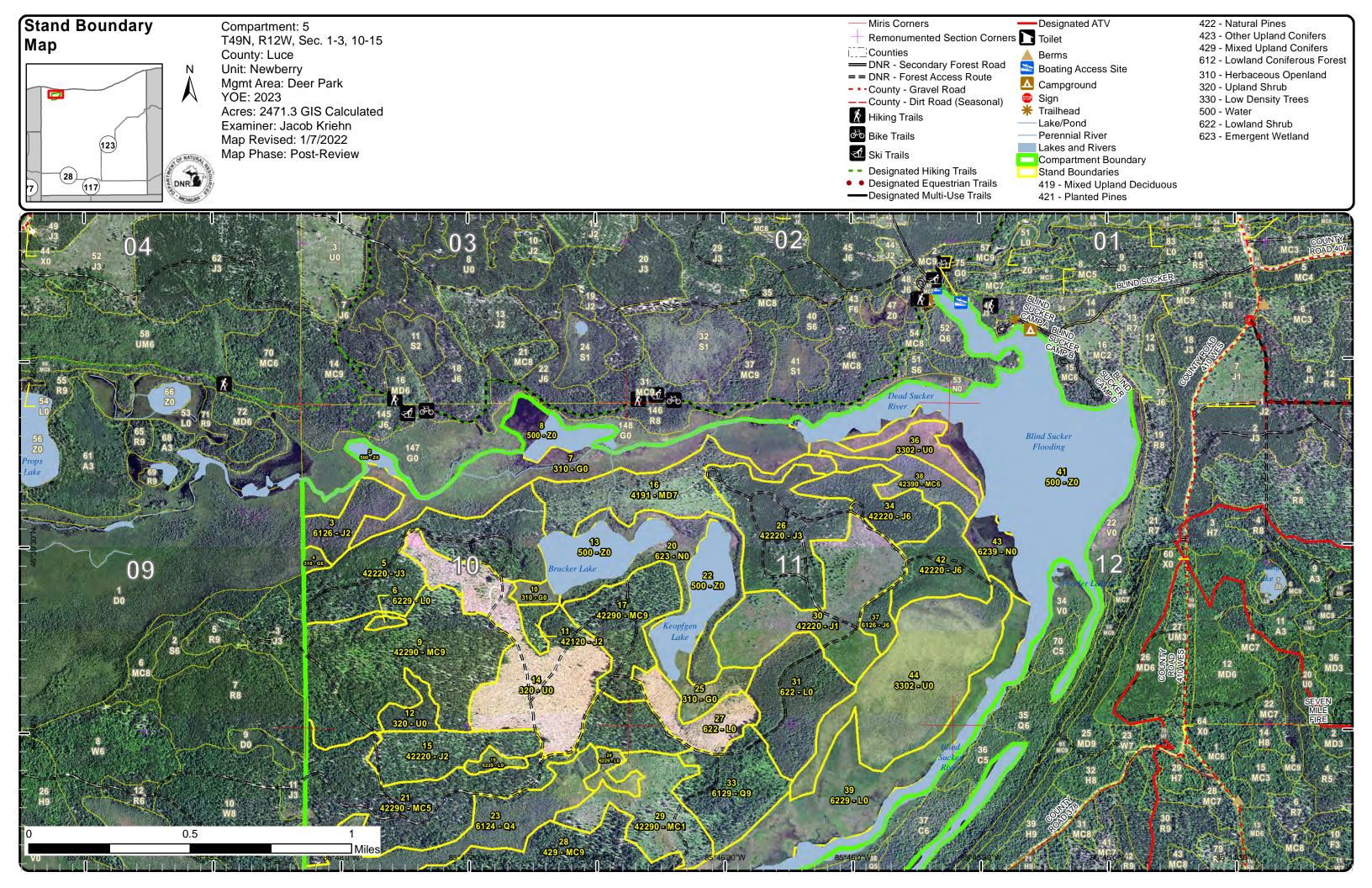
The following information is displayed, where pertinent, on the attached compartment maps:

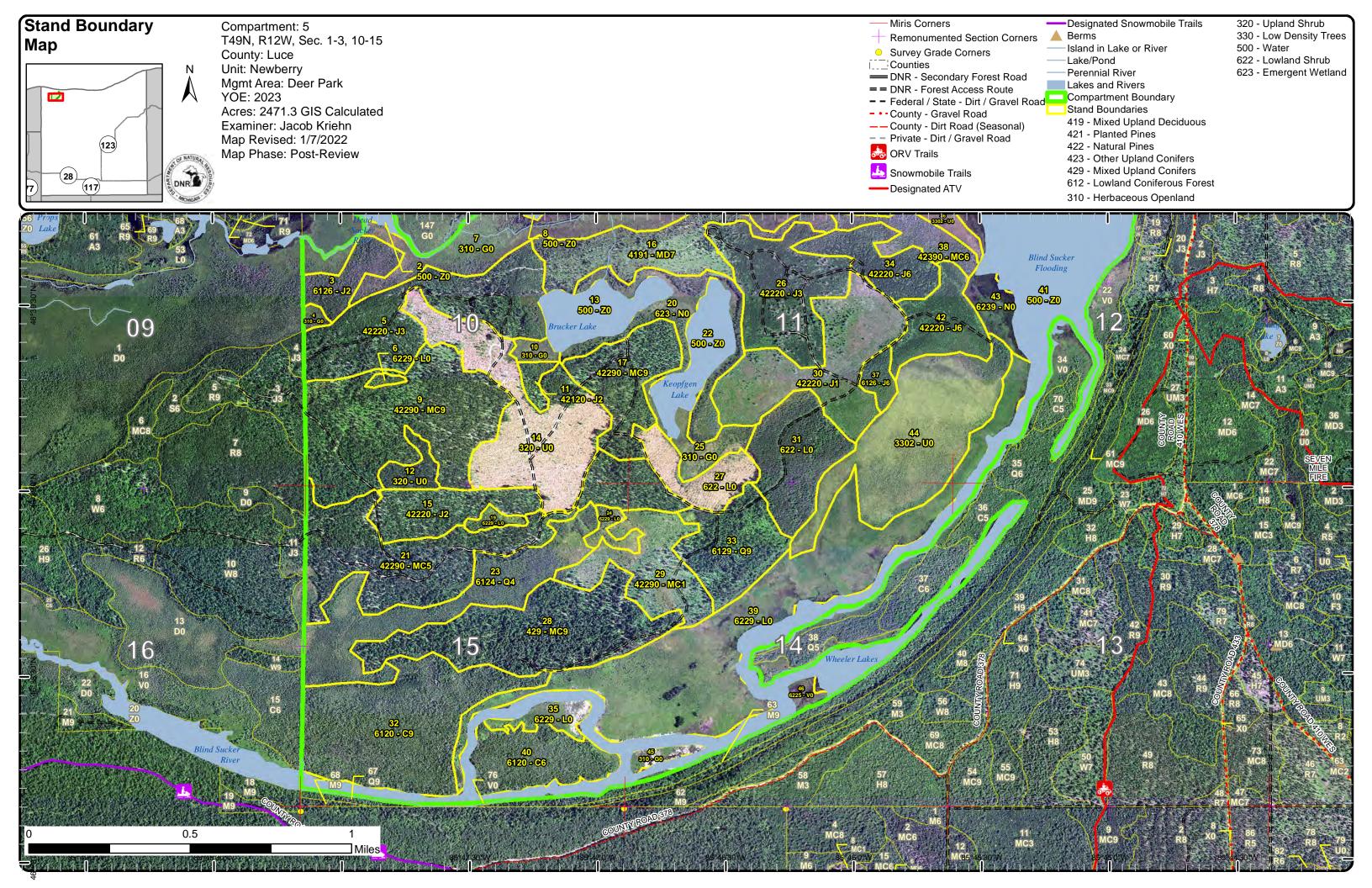
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

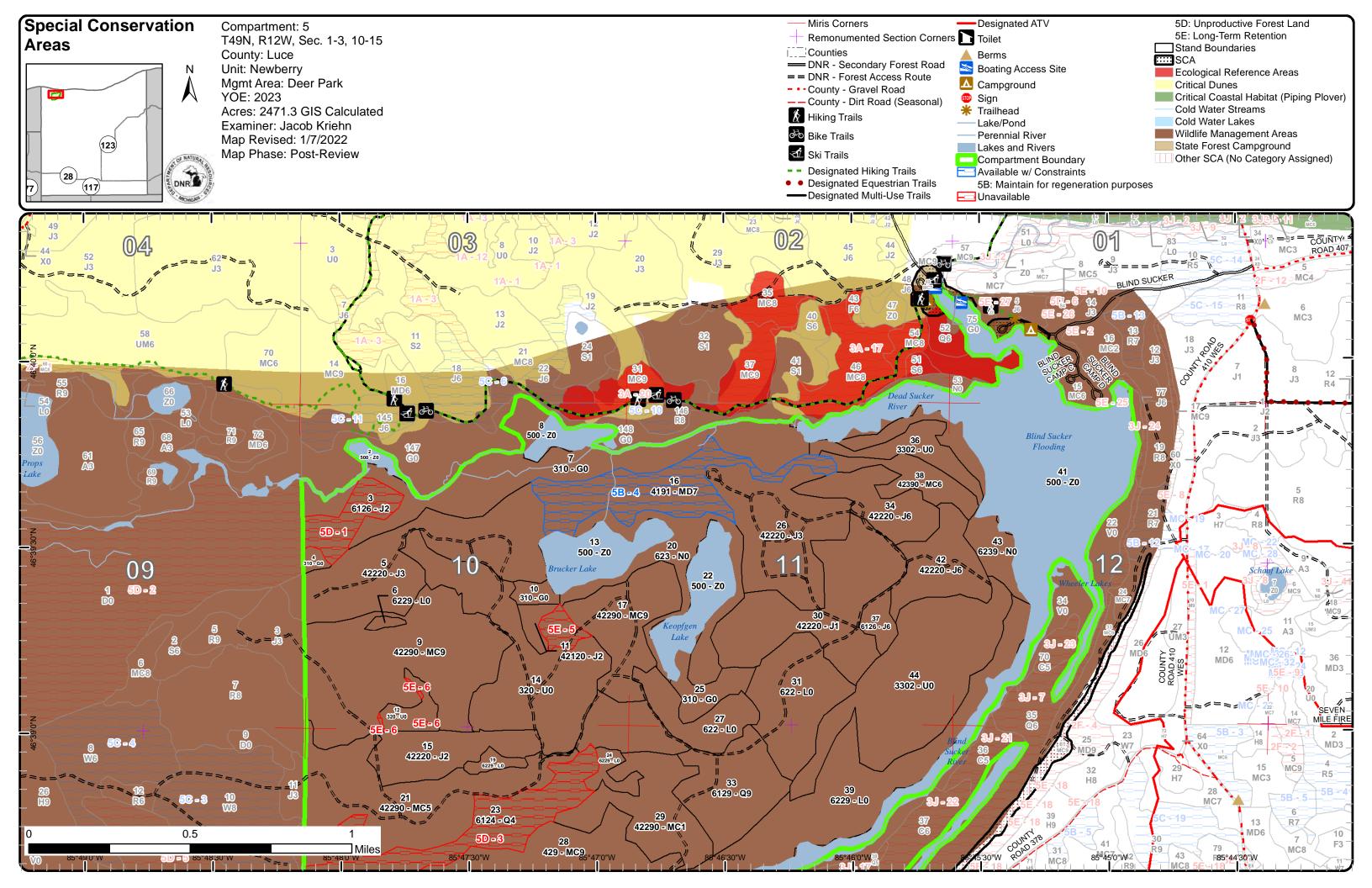


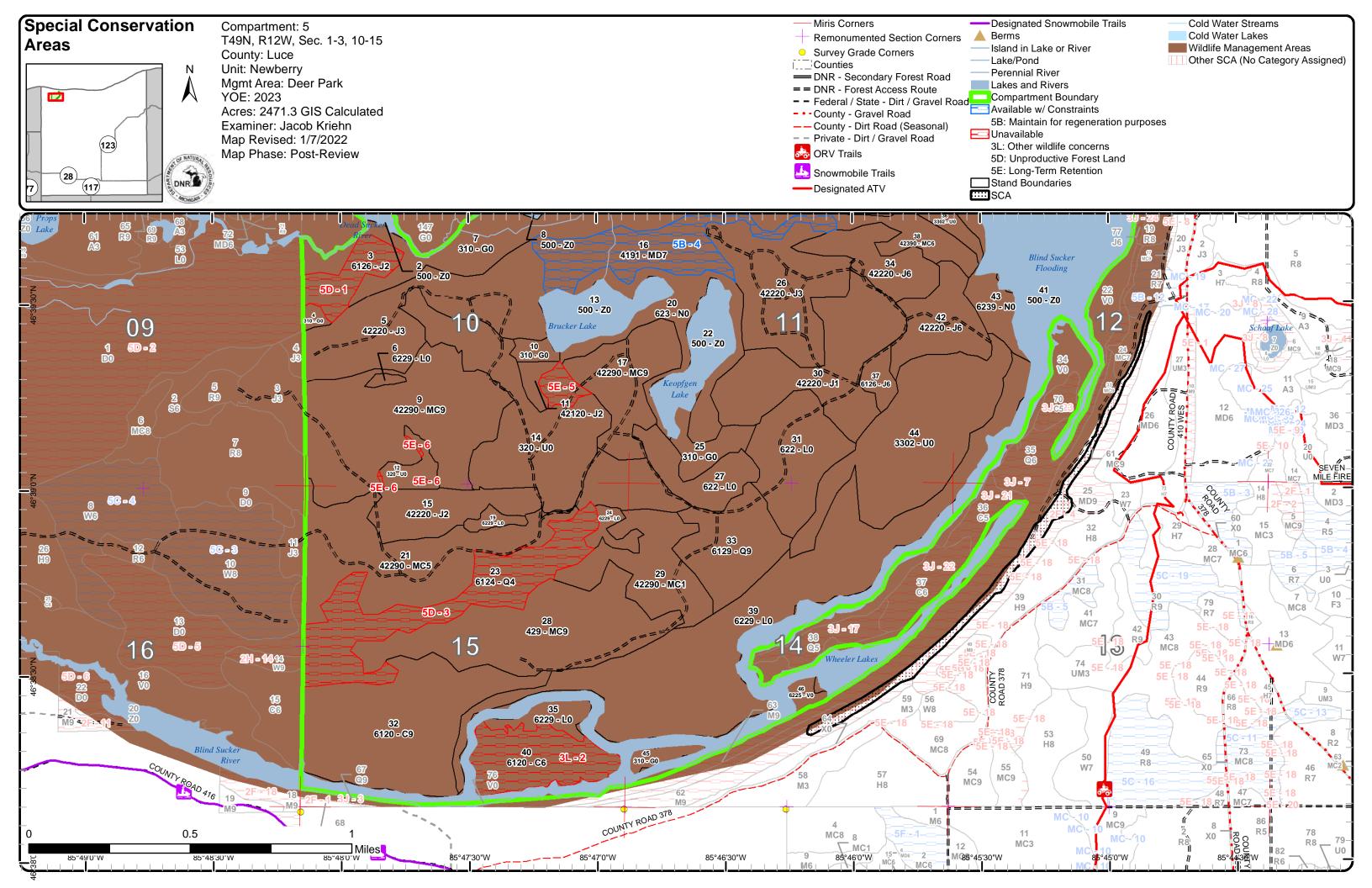












Compartment 5

Year of Entry 2023

Newberry Mgt. Unit Jacob Kriehn : Examiner



Age Class

	¥gr.		§ / ½	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	P A	3 / 6		3/8		\$\\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\			70,			\$ \	No. of the second	S See	1.00°
Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Cedar	0	0	0	0	0	0	0	0	0	47	0	123	0	0	0	0	0	0	170
Herbaceous Openland	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134
Jack Pine	0	0	166	202	37	0	0	23	0	0	0	0	0	0	0	0	0	0	427
Low-Density Trees	136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	136
Lowland Conifers	0	0	0	0	0	0	86	0	0	50	0	0	0	0	0	0	0	0	136
Lowland Shrub	316	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	316
Marsh	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	64
Natural Mixed Pines	0	0	53	0	0	50	0	128	0	99	0	0	0	0	0	0	0	0	330
Upland Conifers	0	0	0	0	0	0	23	0	0	0	0	0	0	0	108	0	0	0	131
Upland Shrub	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Water	412	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	412
Total	1214	0	219	202	37	50	109	151	0	196	0	187	0	0	108	0	0	0	2471



Report 2 – Treatment Summary

Newberry Mgt. Unit Year of Entry: 2023

Acres of Harvest

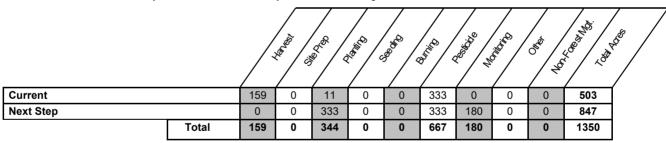
Compartment 5
Total Compartment Acres: 2,471

Commercial Harvest - 159 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



а n d

Treatment Name

Acres

Stand CoverType

Size Density

Stand Age

BA Range

Treatment Type

Treatment Method

Cover Type Objective

Age Structure Habitat Cut

Approved Treatments:

12 42005012-**Plant**

10.8 320 - Upland Shrub Nonstocked 2020

Planting

Interplant

42120 - Planted Even-Aged Jack Pine

No

Nο

Prescription This stand failed its regen check, but it should fill in over time. If we have extra trees we can hand plant them here.

Specs:

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Jack Pine, some white pine might come in on its own.

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

42005028-Cut

108.3 429 - Mixed Upland Sawtimber 139 81-110 Conifers Well

Harvest

Overstory Removal

4191 - Mixed Upland

Uneven-Aged

Deciduous with Conifer

Specs:

Prescription Overstory Removal with Retention. Retention pockets to be left scattered throughout the stand and large enough to not be blown over in the wind. Leave approximately 20% of the stand acreage in approximately 10-15 pockets. Target areas with thicker hemlock for retention. No single tree retention due to wind throw. When prepping the sale, evaluate along the road for possible retention area.

Final treatment acreage may change due to low/wet spots...

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

42005033-Cut

50.3 6129 - Mixed Coniferous Lowland

Sawtimber Well

80

Harvest

Overstory Removal

6129 - Mixed Coniferous Lowland Forest Two-Aged

No

Prescription Specs:

Overstory Removal with Retention. Retention pockets to be left scattered throughout the stand and large enough to not be blown over in the wind. Leave approximately 20% of the stand acreage in approximately 5-8 pockets. Target areas with thicker hemlock for retention. No

single tree retention due to wind throw.

Final treatment acreage may change due to low/wet spots.

Forest

Next Step

Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable Hemlock, white pine, yellow birch, jack pine, spruce Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

S t		Newberry	Mgt. Unit		Repo	rt 3 '	Treatments		Compartmer Year of Entr		DNR DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
41	42005041- Spray	333.4	500 - Water	Nonstock	ed		Pesticide	Hand Application	621 - Floating Aquatic		No
Spec: Next Treat	s: Step Pestic ments:		hand spray and oplication; Plant	•		spray					
Acce _l Rege	<u>otable</u> n:										
Other Comr											
Site C	Condition										
Propo	osed Start Date	e: 11/28/20	17								

Total Treatment Acreage Proposed: 502.8

Newberry Mgt. Unit

Jacob Kriehn : Examiner

Compartment: 5
Year of Entry: 2023

Availa	ability for	Managemer	nt					
Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	ditions
Acres	Available	With Condition	Not Available		5B	3L	5D	5E
6	6	0	0	Bog				
170	123	0	47	Cedar		47		
134	134	0	0	Herbaceous Openland				
427	404	0	23	Jack Pine			23	
136	136	0	0	Low-Density Trees				
136	50	0	86	Lowland Conifers			86	
316	316	0	0	Lowland Shrub				
97	97	0	0	Marsh				
63	0	63	0	Mixed Upland Deciduous	63			
330	330	0	0	Natural Mixed Pines				
131	131	0	0	Upland Conifers				
113	104	0	9	Upland Shrub				9
412	412	0	0	Water				
2,471	2,243	63	165	Total Forested Acres	63	47	109	9
	91%	3%	7%	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.

1 Una		5D: Unproductive Forest Land	23	Unspecified	Unspecified	Unspecified	Unspecified
Comme	nts:						
2 Una	ıvailable	3L: Other wildlife concerns	47	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comme	nts:						

Report 4 – Site Conditions

Newberry Mgt. Unit

Jacob Kriehn : Examiner

	5D: Unproductive Forest Land	86	Unspecified	Unspecified	Unspecified	Unspecified
comments:						
Available	5B: Maintain for regeneration purposes	64	Unspecified	Unspecified	Unspecified	Unspecified
comments:						
Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
comments:						
Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
comments:						
	Available omments: Unavailable omments:	Available 5B: Maintain for regeneration purposes omments: Unavailable 5E: Long-Term Retention omments: Unavailable 5E: Long-Term Retention	Available 5B: Maintain for regeneration purposes omments: Unavailable 5E: Long-Term Retention 8 omments: Unavailable 5E: Long-Term Retention 1	Available 5B: Maintain for 64 Unspecified regeneration purposes Unavailable 5E: Long-Term Retention 8 Unspecified omments: Unavailable 5E: Long-Term Retention 1 Unspecified	Available 5B: Maintain for regeneration purposes Omments: Unavailable 5E: Long-Term Retention 8 Unspecified Unspecified Omments: Unavailable 5E: Long-Term Retention 1 Unspecified Unspecified	Available 5B: Maintain for regeneration purposes Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified

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				

Newberry Mgt. Unit Compartment Year of En





Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservati Area	ion Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions stocked trout populations and those of other coldwater fish spec conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions stocked trout populations and those of other coldwater fish spectyear to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from ese conditions due to substantial
HCVA	Critical Dunes	Critical dune areas are established via the public legislative produced Dune Protection and Management, of the Natural Resources and 451. The program is administered by the Michigan Department of current distribution of designated critical dunes is established by Areas.	d Environmental Protection Act, 1994 PA of Environmental Quality (DEQ). The
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and coop U.S. Fish and Wildlife service for the recovery of threatened and 365, Endangered Species Protection, of the Natural Resources PA 451, and the Federal Endangered Species Act of 1973. This species plans in various stages of review. As of now only two explover Habitat.	l endangered species, as governed by Part and Environmental Protection Act, 1994 is an active program, with proposed
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of identified as Element Occurrences (EOs) by the Michigan Natural context of their natural community classification system. Element (Excellent) or B (Good) and a Global (G) or State (S) element (rathreatened (2), or rare (3) serve as an initial base of ERAs. They the State. The system is comprised of individual or associations managed for restoration and maintenance of natural ecological public recommendations for lands as ERAs using the DNR Contents.	al Features Inventory (MNFI) within the it Occurrences with viability ranks of A arity) ranking of endangered (1), may be located upon any ownership in of natural community types that are processes and values. The public may

Report 7 - Stands



Stand	Level 4 C	Cover Type	;	Size Dei	nsity	Acres	Stand Age I	BA Range	Managed S	Site	General Comments				
2	500	- Water		Nonsto	cked	5.6			No						
3	6126 - Low	land Jack F	Pine S	Sapling M	ledium	22.8	60		N/A		This is a wet stand, especially closer to the open water on the north side.				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	Unproductive ground for growing trees.				
	Black Spruce	10	Sapling	3		Labr	ador Tea	Medium	Variable	Tall Shrub					
	White Pine	10	Sapling	3		Lea	therleaf	Medium	Variable	Tall Shrub					
	Jack Pine	80	Sapling/Pole	4	60										
4	310 - Herbad	ceous Oper	nland	Nonsto	cked	3.1			No						
5	42220 - Na	tural Jack F	Pine	Sapling	Well	95.0	27	Immature	N/A		Good numbers of jack pine saplings coming in. There are some				
	Canopy Species	% Cover	Size Class	DBH	Age						scattered red and white pine left from the previous timber sale.				
	White Pine	10	Log	12											
	Red Pine	15	Log	11											
	Jack Pine	75	Sapling	3	27										
6	6229 - Mixe	d lowland s	hrub	Nonsto	cked	2.3			No		Low/wet spot within the surrounding stand.				
						Sub-Car	nopy Species	Density	Avg. Height	Size					
						Labr	ador Tea	Medium		Tall Shrub					
						Lea	therleaf	High		Tall Shrub					
7	310 - Herbad	ceous Oper	nland	Nonsto	cked	97.2			No						
8	500	- Water		Nonsto	cked	20.2			No						
9	42290 - Nat	ural Mixed	Pine S	Sawtimbe	er Well	127.9	60	81-110	N/A		This stand is mixed and various sized trees. There are scattered				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	overstory trees with saplings growing underneath and in some of the openings. Scattered open pockets and lowland pockets are present.				
	Quaking Aspen	10	Sapling/Pole		-		e Spruce	Low	Variable	Sapling	Stand was harvested (shelterwood) as West Brucker Pine Sale #39-03-				
	White Pine	40	Log	10	60	Wh	ite Pine	Low	Variable	Sapling	01. Sale was completed 10/2/2006. All paper birch and oak was left as				
	Red Pine	30	Log	10		Re	ed Pine	Low	Variable	Sapling	residual. FTP 42-596 was canceled (per TMS) because the site was too old.				
	Jack Pine	20	Pole	6	-						olu.				
10	310 - Herbad	ceous Oper	ıland	Nonsto	cked	5.8			No		This area floods when the water in the adjacent lake is high.				



Stand	Level 4 C	el 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments						
11	42120 - Pla	nted Jack P	Pine S	apling N	1edium	6.4	19	51-80	N/A		Stand was planted as part of FTP C42-574. Machine planting completed
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	5/16/02, 500 JP/ac. Some of the non-jack pine trees are nice sized logs, some are various sizes from 12 feet and greater. The young jack pine
	White Pine	5	Pole/Sap/Log	10		Blac	ck Spruce	Low	Variable	Sapling	looks really good. There are a few scattered openings in the stand.
	Red Pine	5	Pole/Sap/Log	12		Wh	nite Pine	Medium	Variable	Sapling	
	Jack Pine	90	Sapling/Pole	4	19	Re	ed Pine	Low	Variable	Sapling	
						Ja	ick Pine	Full	Variable	Sapling	
12	320 - Up	oland Shrub		Nonsto	cked	11.9	2020		4222 - Natural	Jack Pine	Cut in 2016 as part of Comp 5, #002-13. TCR 10/30/18. Scarified in 2017. FTP 42-832. There were two retention pockets left.
											There is only about 300-400 tpa in this stand. The Jack pine is coming in kind of "patchy". Higher trees per acre in some areas, lower in others. Also some white pine that are growing into the stand. The stand will fill in overtime, but if we have extra jack pine seedlings, we can hand plant them here.
13	500	- Water		Nonsto	cked	30.1			No		There is a two track that leads up to the south side of the lake. It looks like people launch kayaks and canoes here.
14	320 - Up	oland Shrub		Nonsto	cked	101.4	2020 U	Inspecified	4222 - Natural	Jack Pine	This stand is filling in nicely with jack pine seedlings. There were some
						Sub-Ca	nopy Species	Density	Avg. Height	Size	red and white pine seedlings scattered, but mostly jack pine. 2021 Regen count: 792 jack pine tpa. Slightly lower tpa in the northern portion.
						Jack Pine		Full	Full < 5 feet	Seeding	
						Re	ed Pine	Trace	< 5 feet	Seeding	Cut as part of Comp 5, #002-13. TCR 10/30/18. Units were scarified in
						Wh	nite Pine	Trace	< 5 feet	Seeding	2017 and finished in 2018 under FTP C42-832.
15	42220 - Nat	tural Jack P	Pine S	apling N	1edium	64.5	19	51-80	N/A		Cut as part of sale # 36-84-01. FTP 42-574; stand was mahine planted
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	500-600 tpa. Cultivation work was completed 5/16/02. Regen survey date: 5/12/2005: JP 510 t/ac. Scattered red pine, white pine, red maple,
	White Pine	5	Log	10	59	Blac	ck Spruce	Low	Variable	Sapling	and scpruce. Some of the non-jack pine trees are nice sized logs, some
	Red Pine	5	Log	11		Wh	nite Pine	Medium	Variable	Sapling	are various sizes from 12 feet and greater. The young jack pine looks
	Jack Pine	90	Sapling	4	19	Re	ed Pine	Low	Variable	Sapling	really good. There are a few scattered openings in the stand.
						Ja	ick Pine	Full	Variable	Sapling	
16	4191 - Mixed Upl	and Decidu	ous with S	awtimbe	er Poor	63.5	100	1-50	N/A		Stand was harvested as Brucker Lake Jack Pine Sale #020-03-01. Sale was completed 11/18/04. Red pine was left scattered throughout the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	ecies Density Avg. Height Size	stand. Scarification was completed 8/2/2006 FTP C42-590. West 1/2 of Unit 1 of the sale was NOT scarified due to heavy blowdown of timber		
	Red Maple	30	Log/Pole	11		Blac	ck Spruce	Low	Variable	Sapling	and regeneration was noted (from 4" to 2' in heights, mixed spp). 2010
	Paper Birch	30	Pole/Log	8		Wh	nite Pine	Low	Variable	Sapling	Regen count results: 608 RP/JP/WP trees/ac; All Spp. 960 t/ac.
	White Pine	10	Log/XLog	14		Re		Low	Variable	Sapling	I control of the cont



Stand	Level 4 C	over Type		Size Density	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
17	42290 - Natu	ural Mixed F	Pine	Sawtimber We	I 50.0	41	81-110	N/A		This is a very mixed stand. Some areas are dominated by pockets of
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	piack pine, while others are dominated by red pine with white pine mixed in. There are also areas with black spruce. This stand should be ready
	Black Spruce	20	Sapling/Pole	e 4	W	hite Pine	Medium	Variable	Sapling	for a harvest during the next inventory cycle.
	White Pine	25	Pole	6	F	Red Pine	Medium	Variable	Sapling	NE compared standays and of ETD 40 574 Denon summer dates
	Red Pine Jack Pine	30 25	Log Pole	12 41 6						NE corner of stand was part of FTP 42-574 Regen survey date: 5/12/2005: JP 510 t/ac. Southern part of stand was part of FTP C42-416. Regen survey 5/13/2003 JP 1391 t/ac. Mix of WP, RP, & JP.
19	6229 - Mixed	d lowland sh	nrub	Nonstocked	5.1			No		
					Sub-Ca	anopy Species	Density	Avg. Height	Size	
					Le	atherleaf	Full		Tall Shrub	
					J	ack Pine	Low		Sapling	
					Lab	orador Tea	High		Tall Shrub	
20	623 - Emer	gent Wetla	nd	Nonstocked	55.3			No		
21	42290 - Natu	ural Mixed F	Pine Po	oletimber Mediu	ım 98.8	88	81-110	N/A		This stand has scattered low pockets and a wide range of heights. Stand
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	has been cut in the past but it is hard to tell what the managment objective was. It is now an uneven aged mixed pine stand. There is a
	Black Spruce	25	Pole	8	Bla	ck Spruce	Medium	Variable	Sapling	range of BA throughout the stand.
	White Pine	25	Pole	8	T	amarack	Medium	Variable	Sapling	
	Red Pine	25	Pole	8 88	W	hite Pine	High	Variable	Sapling	
	Jack Pine	25	Pole	8 37	F	Red Pine	Medium	Variable	Sapling	
					J	ack Pine	Medium	Variable	Sapling	
22	500	- Water		Nonstocked	22.2			No		
23	6124 - Lowla	and Spruce	-Fir F	Poletimber Poo	r 85.8	50		N/A		There are some scattered jack pine throughout the stand that are dying. This is a very wet stand and it is unproductive.
	Canopy Species	% Cover	Size Class	DBH Age		anopy Species	Density	Avg. Height	Size	
	White Spruce	60	Pole	8 50	Wh	ite Spruce	Low	Variable	Tall Shrub	
	Tamarack	38	Pole/Sapling		-	amarack	Low	Variable	Tall Shrub	
	Jack Pine	2	Pole	8	W	hite Pine	Low	Variable	Tall Shrub	
24	6229 - Mixed	d lowland sh	nrub	Nonstocked	7.9			No		
25	310 - Herbac	eous Open	land	Nonstocked	21.3			No		

Compartment: 5 Year of Entry: 2023



Stand	d Level 4 C	over Type		Size Dei	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments				
26	42220 - Nat Canopy Species White Pine Red Pine Jack Pine		Pine T Size Class Log Log Sapling/Pole	Sapling DBH 13 13 4		74.0	23	Immature	N/A		Cut as sale #32-93-01 in 1997. Stand was scarified in 11/98 under FTP C42-416. Stocking survey was completed 5/13/2003 - 1,391 trees per acre; mix of white, red, and jack pine. The Jack pine is looking good in this stand.				
27	622 - Lov	wland Shru	b	Nonsto	cked	28.3	2020		6122 - Black	Spruce	Stand was clearcut part of Comp 5 Sale, #002-13, cut in summer/fall 2016. TCR 10/30/18. Some scattered spruce were left in attempt to				
						Sub-Ca	anopy Species	s Density	Avg. Height	Size	convert stand to more spruce.				
						Bla	ck Spruce	Medium	< 5 feet	Sapling	'				
						Ja	ack Pine	High	< 5 feet	Sapling	There is a lot of jack pine coming up in this stand. The regen in this stand is roughly 1,650 trees per acre. There is about 1,210 tpa jack pine,				
						W	hite Pine	Low	< 5 feet	Sapling	330 tpa spruce, 55 tpa white pine, and 55 tpa balsam fir. The spruce is				
						Ва	alsam Fir	Low	< 5 feet	Sapling	nicely distributed. The jack pine is coming "patchy" There are some very				
						R	Red Pine	Low	10 - 20 feet	Sapling	dense patches and other areas that are thinner. The jack pine should "self-thin" over time. There is also some spruce and red pine saplings				
											The management objective listed for this stand is black spruce. It is currently dominated by jack pine, but that might change over time, The MO may need to be adjusted in the future depending on if the jack pine starts to out-compete the black spruce. Currently, the western part of the stand is more jack pine, but there is more spruce on the eastern side of the stand.				
28	429 - Mixed	Upland Cor	nifers S	awtimbe	er Well	108.3	139	81-110	N/A		Stand was harvested as Blind Sucker Mix Sale #38-03-01. Sale was				
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	complete 5/30/08. Some parts of the stand has good hemlock regeneration, other parts are dominated by white pine, a lot of red maple				
	Red Maple	5	Sapling/Pole	4	13	Stri	ped Maple	Low	Variable	Sapling	sprouting through the stand. FTP C42-595 was canceled in the spring				
	Yellow Birch	5	Pole	5		H	Hemlock	Low	Variable	Sapling	(site too old to scarify) per TMS.				
	Balsam Fir	5	Pole	5		W	hite Pine	Low	Variable	Sapling	Spring 2011 Regen counts:				
	Black Spruce	5	Pole	5		Ja	ack Pine	Low	Variable	Sapling	Hem 236 t/a, WP 269 t/a, JP 285 t/a, RP 77 t/a, BS 153 t/a.				
	White Pine	40	Log/XLog/Pole	18		R	Red Pine	Low	Variable	Sapling					
	Hemlock	40	Log/XLog/Pole	16	139	Bla	ck Spruce	Low	Variable	Sapling					
29	42290 - Nati			Sapling		52.9	14	Immature	N/A		Pockets of red pine scattered throughout the stand. A lot of windtrhow present. Stand was cut as part of the Blind Sucker Mix Sale #38-03-01.				
	Canopy Species Balsam Fir	% Cover	r Size Class	DBH 2	Aye						Sale was completed 5/30/2008.				
	Black Spruce	20	Sapling Sapling/Pole	2							Spring 2011 Regen counts: Hem 236 t/a, WP 269 t/a, JP 285 t/a, RP 77 t/a, BS 153 t/a.				
	White Pine	5	Pole/Log	9											
	Red Pine	25	Log/XLog	15	99						There is good jack pine regen throughout this stand. There are some very wet areas in this stand.				
	. tou i iiio	20	LogiALog	.0	00						very wer areas in this stand.				

Jack Pine

45

Sapling

1 14

Report 7 - Stands



Stand	d Level 4 Co	ver Type	•	Size De	ensitv	Acres	Stand Age	BA Range	Managed S	ite	General Comments
30	42220 - Natu			Sapling		85.5	15	Immature	N/A		Stand was harvested as Keopfgen Lake Jack Pine Sale #019-03-01. Sale
30	Canopy Species		Size Class		l Age						was completed 09/06/05. Stand was scarified under FTP C42-589.
	Red Pine	5	Log/XLog	14	ı Age						Scarification completed 7/31/2006. Jack pine is starting to regenerate.
	Jack Pine	95	Sapling/Pole		15						
31	622 - Lowl	land Shrub	b	Nonst	ocked	54.9	2020	Unspecified	612 - Lowland C		Sale was cut as Comp 5 #002-13 in fall of 2016 and 2017. TCR 10/30/18
						Sub-Ca	nopy Specie	s Density	Avg. Height	Size	This stand averages roughly 935 trees per acre. About 495 tpa spruce and 440 jack pine. There is also some scattered red maple, white pine,
						Ja	ack Pine	Medium	< 5 feet	Sapling	and balsam fir seedlings that did not show up in my survey. Overall, this
						Re	ed Maple	Low	< 5 feet	Sapling	stand is growing back very nicely. It looks like there are some low spots
					Ī	W	hite Pine	Low	< 5 feet	Sapling	scattered throughout the stand, but they were dry at the time of this survey.
						Ва	alsam Fir	Low	< 5 feet	Sapling	Sulvey.
						Wh	ite Spruce	Medium	< 5 feet	Sapling	
32	6120 - Low	land Ceda	ar S	awtimb	er Well	122.6	100	Unspecified	N/A		
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Red Maple	5	Sapling/Pole	4		Ва	alsam Fir	Medium	Variable	Sapling	
	Yellow Birch	5	Pole	7		Norther	n White Ceda	r Medium	Variable	Sapling	
	Balsam Fir	5	Sapling/Pole	4		H	lemlock	Low	Variable	Sapling	
	Black Spruce	10	Sapling/Pole	4							-
No	orthern White Cedar	65	Log/Pole	10	100						
	Hemlock	10	Log/Pole	16							
33	6129 - Mixed Conife	rous Lowl	and Forest S	awtimb	er Well	50.3	80		N/A		Stand was harvested as Blind Sucker Mix Sale #038-03-01. Unit 1. Sale
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	was complete 5/30/2008. This stand is growing in nicely. There is a small pocket of jack pine along the road.
	Yellow Birch	7	Pole	8		Re	ed Maple	Medium	Variable	Sapling	of the position of just pine along the road.
	White Pine	10	Log/XLog	16		Ва	alsam Fir	Low	Variable	Sapling	
	Hemlock	80	Log/XLog	16	80	H	lemlock	Low	Variable	Sapling	
	Jack Pine	3	Log	12							-
34	42220 - Natu	ıral Jack P	Pine P	oletimb	er Well	33.1	29	Immature	N/A		Stand was cut as Sale #36-84-01.
	Canopy Species	% Cover	Size Class	DBI	l Age						
	Black Spruce	10	Pole/Sapling	6							
	Jack Pine	90	Pole/Sapling	5	29						
35	6229 - Mixed	lowland sł	hrub	Nonst	ocked	13.4			No		
	3302 - Low Dens	sity Conife	r Trees	Nonst	ncked	21.8			No		
36	3302 - LOW DON'S	,		1401130	Jonea						
36	3002 - LOW DOING	,		1401130	JORGG [nopy Specie	s Density	Avg. Height	Size	

Report 7 - Stands



Stand	Level 4 Cover Type			Size Density	Acres	Stand Age	BA Range	Managed Site		General Comments
37	6126 - Lowland Jack Pine			Poletimber Well	9.1	19	Immature	N/A		Stand was cut as part of Sale #36-84-01. FTP C42-574; machine planted 500 JP/ac. Planting complete 5/16/2002.
	Canopy Species		Size Class							3 3
	Paper Birch	3	Pole	7						
	Black Spruce	3	Pole	6						
	Tamarack	3	Sapling/Po							
	Jack Pine	91	Pole	5 19						
38	42390 - Mixed Non-Pine Upland Conifers				22.6	50	1-50	N/A		Part of this stand was cut as Keopfgen Lake Jack Pine Sale #019-03-01, Sale was completed 09/06/05.
	Canopy Species		Size Class							
	Black Spruce	50	Pole/Saplir	-						
	Tamarack	25	Pole/Saplir	-						
	Jack Pine	25	Pole/Saplir	ng 6 18						
39	6229 - Mixed lowland shrub			Nonstocked	203.7			No		
40	6120 - Lowland Cedar		Poletimber Well	47.1	82	Unspecified	N/A		No Access.	
41	500 - Water		Nonstocked	333.9			No		Blind Sucker Flooding	
42	42220 - Nate Canopy Species Jack Pine		ine Size Class	Poletimber Well DBH Age 5 33	36.8	33	Immature	N/A		Cut as Sale #31-93-01. Treated under FTP C42-419 (jack pine scarification). FTP completed 6/1998, The southern part of the stand is a little wetter than the north. The ground is covered with a mix of leather leaf and fern.
	Jack I IIIC	100	1 010	0 00						icai anu icin.
43	6239 - Mixed E	mergent W	etland	Nonstocked	41.2			No		Grassy/Shrubby wetland area surrounding the flooding.
44	3302 - Low Den	sity Conifer	Trees	Nonstocked	114.4			No		
					Sub-Ca	nopy Speci	es Density	Avg. Height	Size	
			Т		amarack Low		Pole			
45	310 - Herbac	eous Openl	and	Nonstocked	7.1		Unspecified	No		No Access.
46	6225 - Bog			Nonstocked	6.3			No		