

# **Compartment Review Presentation**

**Newberry Forest Management Unit** 

Compartment 42010 Entry Year 2021 Acreage: 1,497 County Luce

Management Area: Two Hearted Headwaters

Revision Date: 2019-08-30

Stand Examiner: Lester Livermore

**Legal Description:** 

T48N R11W Sec. 7, 8, 16-18 and T48N R12W Sec. 11.

#### **Identified Planning Goals:**

Wildlife, timber, and recreation are the main uses of this area. The goal is to manage for all these simultaneously and to provide, enhance and perpetuate their uses through proper management. Forest treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat.

### Soil and topography:

Topography is variable throughout the compartment with a complex of uplands and lowlands. The soils are mostly complexes as well due to the upland and lowland nature of the landscape. Most of the uplands are dominated by beech-maple-hemlock, white pine-hemlock forest types where the topography is level to rolling with steep ridges mixed throughout and the major soil types are Wallace, Paquin, Rubicon and AuGres. The lowland areas are relatively level and dominated by mixed conifer swamp and shrub/emergent marsh cover types. They mostly consist of soil complexes such as Tawas/Spot/Finch, Carbondale/Lupton/Tawas and Dawson/Greenwood/Loxely.

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

The compartment lies to the west of Pine Stump Junction. The West Branch of the Two Hearted River is the northern boundary and the South Branch of the Two Hearted River is the east boundary of the compartment. This compartment is rather contiguous with isolated parcels adjacent to the West Branch of the Two Hearted River in Section 11 of 48N, 12W, which are surrounded by The Nature Conservancy (TNC) Lands. A land acquisition (swap) in 2019 with TNC majorly altered the compartment. Newly acquired parcels occur in Sections 9, 16, 17, and 18. Parcels traded away occur in Sections 19, 20, 28-30, 32, and 33 of T48N, R11W and Sections 10, 14 and 15 of T48N, R12W. The compartment is within the Two Hearted River Watershed. Predominate land use in the area is mostly involves timber production and recreation such as hunting, fishing, dispersed camping, ORV and snowmobile riding, dog sledding and wildlife/nature viewing.

#### **Unique Natural Features:**

Unique features of the compartment would be the watershed of the Two Hearted River and its corridors. The Michigan Natural Features Inventory (MNFI) identified the compartment as containing natural communities of hardwood-conifer swamp and poor fen. Within these communities MNFI lists the potential for red-shouldered hawk, goshawk, merlin, great blue heron rookery, black-backed woodpecker, spruce grouse, eagle, and osprey. Potential for moose and wolf. Potential for incurvate emerald, frigga fritillary, freija fritillary, and ebony boghaunter in boggy areas. Potential for wood turtle. Potential for loon in lakes. They also list the potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, English sundew, meadow beauty, round-leaved orchis, black crowberry, yellow pitcher plant, and panicled screwstem in bogs and open wetlands.

#### **Archeological, Historical, and Cultural Features:**

The Bureau of History does not list any historical features.

### **Special Management Designations or Considerations:**

The Beavertown Lakes ERA encompasses two natural communities that occur within the compartment: Poor Fen and Hardwood-Conifer Swamp. State ownership within the hardwood conifer swamp is an isolated parcel and currently exhibits old growth criteria characteristics.

#### **Watershed and Fisheries Considerations:**

Fisheries Values: Excellent

The South and West Branches of the Two Hearted River border this compartment. Brook trout are present in these tributaries and offer an outstanding remote experience for trout anglers. Both are included in the Natural River Plan and have appropriate protections in place for any proposed treatments in stands located in the management zones.

#### Wildlife Habitat Considerations:

Compartment 10 lies in northwestern Luce County and is in the Seney Sand Lake Plain ecological sub-subsection and the Two Hearted Headwaters Management Area with blackburnian warbler, black bear, pileated woodpecker and American Marten as featured species. The west branch of the Two-Hearted River makes up portions of the northern boundary of the compartment and the Little Two-Hearted Lakes are within the compartment. The compartment is intermixed with large portions of Nature Conservancy ownership and is a mix of mature hardwood, lowland conifer types, and bogs and marshes.

Wildlife objectives for this compartment will be met by maintaining species diversity in harvested stands including retaining conifers in thinned hardwood stands. Soft mast species will be retained as will some good quality potential raptor nest trees. Interspersion of harvested stands will ensure that travel corridors for wildlife will remain intact. Marshes will be buffered and low ground leatherleaf areas will be avoided during harvest to preserve wetland wildlife values and habitats. White-tailed deer, black bear, moose, marten, grouse and otter and mink are species expected to inhabit this compartment.

### Mineral Resource and Development Concerns and/or Restrictions

Sections 7-8 & 16-18, T48N-R11W and Section 11, T48N-R12W, Luce County

The nearest active sand/gravel pit is located six miles to the northeast, and potential for any sand & gravel development within the compartment appears low. There is no history of mineral leasing in the compartment. There is no known potential for metallic minerals in this area, and no known potential exists economic hydrocarbon production in the UP. 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:**

The main access to the compartment via the CCI Road. There are several unnamed two tracks that lead into various parts of the compartment. Most of, if not all the roads in this compartment were created by past logging activities on both State and private land. Currently some of these roads are only passable by 4-wheel drive vehicle and many of them are not well traveled. Because of this some roads have become abandoned and overgrown with trees making areas of the compartment relatively remote and difficult to access by vehicle.

#### **Survey Needs:**

The establishment of a survey corner in the SESE of Section 11 would be needed for the treatment prescribed.

# **Recreational Facilities and Opportunities:**

The CCI Road serves as a DNR designated snowmobile trail during the winter months. Other recreational opportunities in and near this compartment would be hunting, fishing, trapping, ORV riding and wildlife viewing. In the fall this area is typically hunted heavily for bear.

#### **Fire Protection:**

The compartment is partially in the Two Hearted Zone Dispatch area. Large fire runs are not likely but possible because of the scattered lowland area and cover types not typical of large fire runs. Fire suppression will be difficult in some areas because of poor heavy wheeled equipment access and remoteness. Private properties risk would be moderate to low.

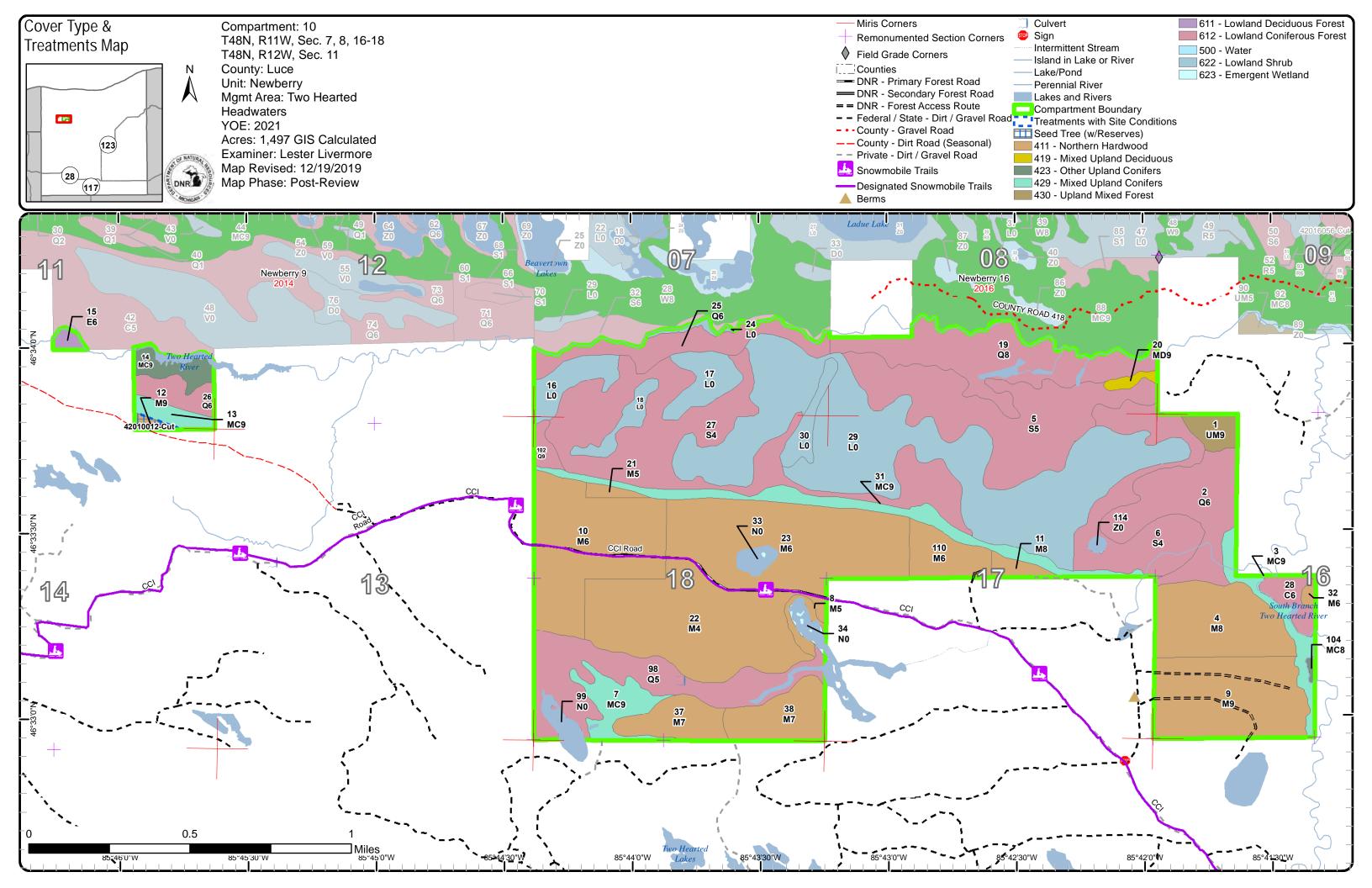
# **Additional Compartment Information:**

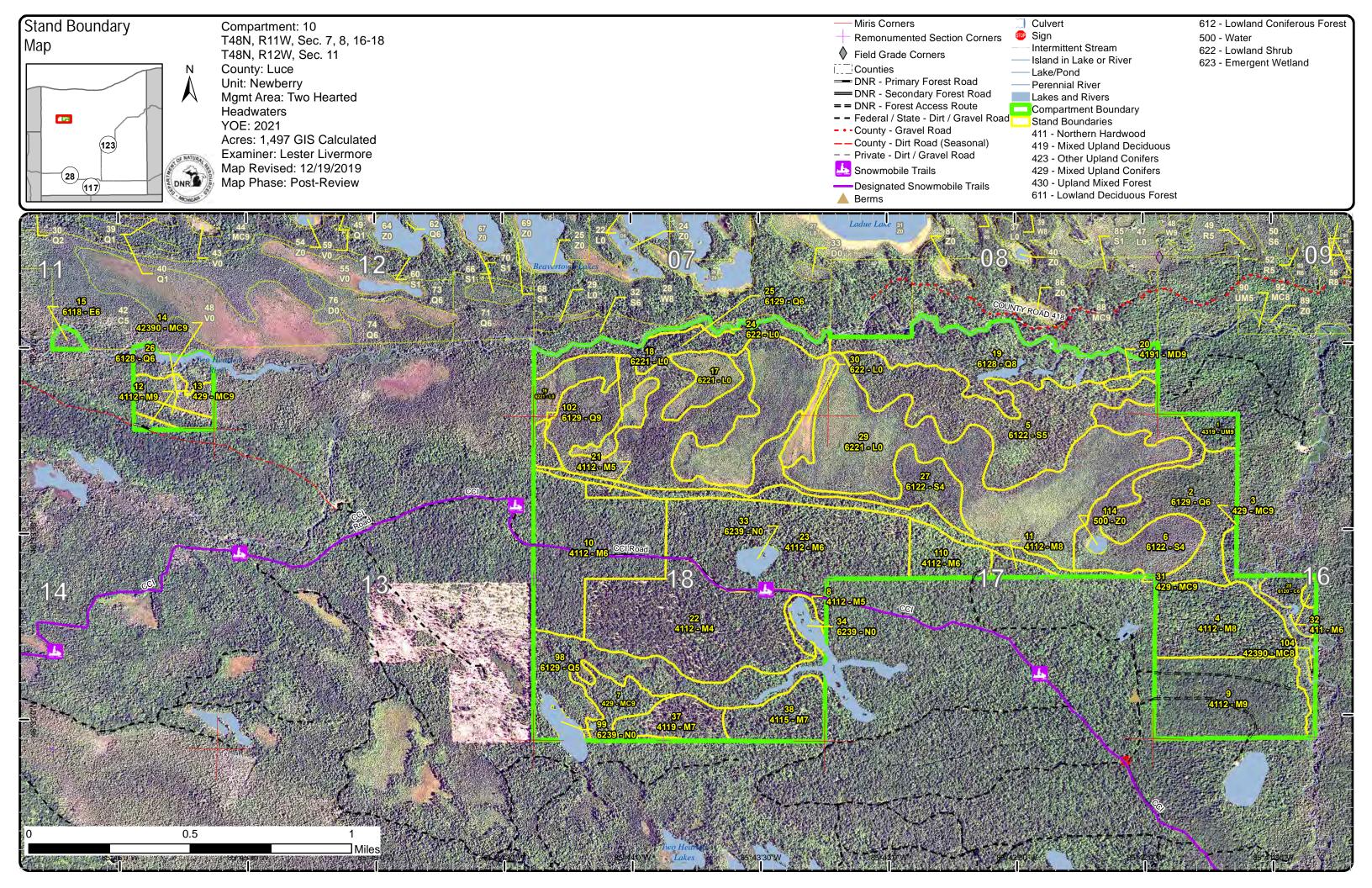
The following reports from the Inventory are attached:

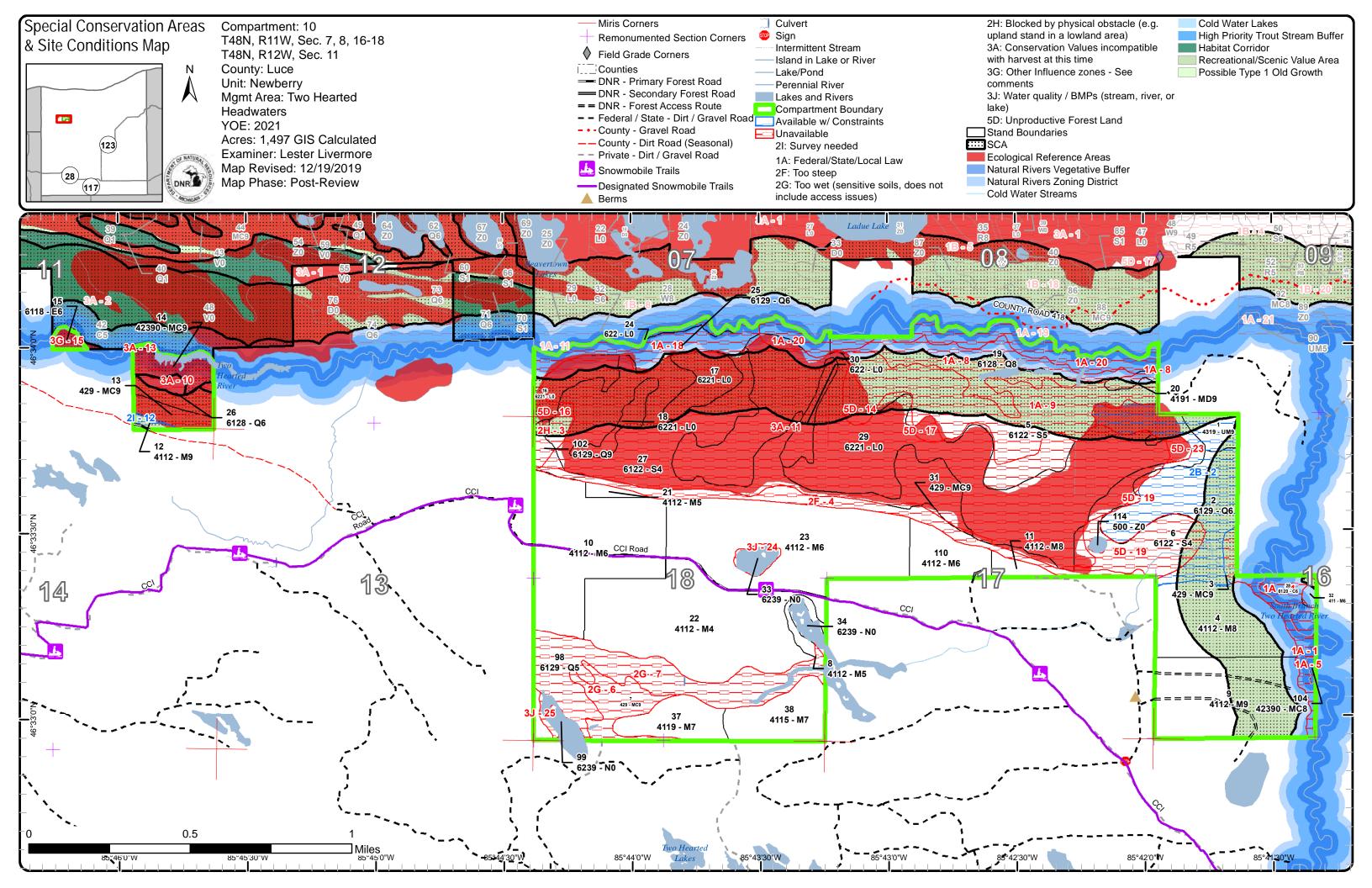
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

Compartment 10 Year of Entry 2021

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## Age Class

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Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	11
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	130	5	0	0	13	0	0	103	251
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
Lowland Shrub	281	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	281
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	129	101	60	0	0	0	0	0	0	290
Marsh	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3
Northern Hardwood	0	0	0	0	0	0	0	0	245	15	31	0	0	0	0	0	0	245	536
Upland Conifers	0	0	0	0	0	0	0	0	0	20	18	0	0	0	0	0	57	0	94
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	297	0	0	0	0	0	0	0	245	164	283	78	0	11	13	0	57	348	1495



# **Report 2 – Treatment Summary**

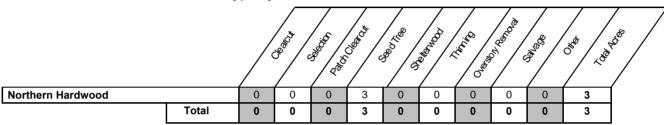
# Newberry Mgt. Unit Year of Entry: 2021

#### **Acres of Harvest**

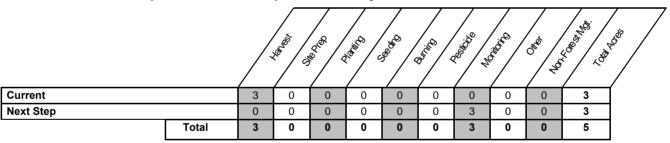
Compartment 10
Total Compartment Acres: 1,497

Commercial Harvest Harvests with Site Condition - 3
Next Step Harvest - 0
Habitat Cut - 0

# **Cover Type by Harvest Method**



# **Proposed and Next Step Treatments by Method**



Newberry Mgt. Unit Report 3 -- Treatments Compartment: 10 Year of Entry: 2021 **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat Method Objective

Type

**Approved Treatments:** 

Name

12 42010012-Cut 2.6 4112 - Maple, Sawtimber 125 81-110 Harvest Seed Tree with 411 - Northern Two-Aged No Beech, Cherry Well Hardwood Retention

Range

Association

CoverType

Prescription Seed tree cut. Retain approximately 20-30 BA, targeting good quality individuals as crop trees. Leave all hemlock.

Age

Density

Specs:

S

t а

n

d

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, beech, balsam, spruce, hemlock, white pine.

Regen:

Other Missed opportunity to treat stand with adjacent TNC hardwoods. Survey needed.

Comment:

Site Condition Survey Needed Proposed Start Date: 10/1 /2020

Total Treatment 2.6 Acreage Proposed:

Structure

Cut

Newberry Mgt. Unit

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Compartment: 10 Year of Entry: 2021

Availa	ability for	Managemer	nt											
Total	Acres	Acres Avail	Acres		Domina	nt Site	e Cond	ditions	S					
Acres	Available	With Condition	Not Available		2B	21	1A	2F	2G	2H	3A	3G	3J	5D
11	0	0	11	Cedar			11							
252	3	55	194	Lowland Conifers	55		108	0	65	4	16		1	0
3	0	0	3	Lowland Deciduous								3		
281	0	0	281	Lowland Shrub			6	1		0	257			16
290	0	18	271	Lowland Spruce/Fir	18		83	1		4	152			32
15	15	0	0	Marsh										
3	0	0	3	Mixed Upland Deciduous			3							
536	531	3	2	Northern Hardwood		3	0	0			0		2	
95	0	0	95	Upland Conifers			18	32	20		25			
10	0	10	0	Upland Mixed Forest	10									
1	1	0	0	Water										
1,497	550	86	861	Total Forested Acres	83	3	229	33	85	8	450	3	4	49
-	37%	6%	58%	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.

<b>Comment</b> Natural riv	ts:	ederal/State/Local Law one. River corridor/si	17	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Natural riv		one. River corridor/si	ide hill				
) Avai			100 11111.				
Avai	th	nknown if access rough adjacent wner(s) is possible	83	2E: Road needed	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified
Comment				Mar Tarabana de Pirana			
Portable b	oriage would be ne	eded to cross south t	oranch of	the Two-Hearted River on	private land to the east.		

Newberry Mgt. Unit
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3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	3A: Conservation Values incompatible with harvest at this time	2E: Road needed	Unspecified	Unspecified
	Comments:						
4	Unavailable	2F: Too steep	34	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
	Comments: Steep side hill. Eva	luated for SBW.					
5	Unavailable	1A: Federal/State/Local Law	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: South Branch of the	e Two- Hearted River. Natural	River P	lan.			
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	65	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Unavailable	1A: Federal/State/Local Law	43	3J: Water quality / BMPs (stream, river, or lake)	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible	2D: Portable Bridge Needed (Dept. bridge will be adequate)
	Comments: Natural River Mana	gement Zone. Several drains a	and/or o	old oxbows from the Two-He	arted river throughout th	e site. Other underlying cond	litions listed.

Newberry Mgt. Unit

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9	Unavailable	Law		2E: Road needed	2D: Portable Bridge Needed (Dept. bridge will be adequate)	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified
	Comments: Natural River Mana	agement Zone. Access through	private	landowner with inadequate	crossing for logging equi	pment.	
10	Unavailable	3A: Conservation Values incompatible with harvest at this time	34	Unspecified	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> ERA						
11	Unavailable	3A: Conservation Values incompatible with harvest at this time	415	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments: ERA - Poor Fen						
12	Available	2l: Survey needed	3	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
	Comments: Survey and Access	s through TNC needed					
13	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	2B: Unknown if access through adjacent landowner(s) is possible	2I: Survey needed	Unspecified	Unspecified
	Comments:						

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14	Unavailable	5D: Unproductive Forest Land	7	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
C	Comments:						
15	Unavailable	3G: Other Influence zones - See comments	3	3J: Water quality / BMPs (stream, river, or lake)	2E: Road needed	Unspecified	Unspecified
C	Comments:						
16	Unavailable	5D: Unproductive Forest Land	5	2E: Road needed	Unspecified	Unspecified	Unspecified
	Comments: Natural river manaç	gement zone					
17	Unavailable	5D: Unproductive Forest Land	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
C	Comments:						
18	Unavailable	1A: Federal/State/Local Law	31	2E: Road needed	Unspecified	Unspecified	Unspecified
	Comments: Natural river manaç	gement zone					
19	Unavailable	5D: Unproductive Forest Land	31	2E: Road needed	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	Unspecified	Unspecified
C	Comments:						
	040 44.40.40 AM . Do.						CWADTZ

Newberry Mgt. Unit

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20	Unavailable	1A: Federal/State/Local Law	41	2E: Road needed	Unspecified	Unspecified	Unspecified
	Comments: Natural river manaç	gement zone					
21	Unavailable	1A: Federal/State/Local Law	11	2I: Survey needed	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> Natural River Mana	agement Zone.					
23	Unavailable	5D: Unproductive Forest Land	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments:						
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Approximately 100'	buffer around boggy drainage.					

Newberry Mgt. Unit Compartment: 010

Year of Entry: 2021



# 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 Category	Detail Type	Recommendation	Acres
Type 1 or Type 2 Old Growth	Verified Type 1 Old Growth Area	SCA	16
neeting the age criteria and compo	ositional and structure criteria met. No	obvious evidence of past of	cutting.
	Type 1 or Type 2 Old Growth	Type 1 or Type 2 Old Growth Verified Type 1 Old Growth Area	

Newberry Mgt. Unit Compartment: 10
Year of Entry 2021



ERA = Ecological Reference Area

# 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	on Type	Description	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 speconditions 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	cies to persist from year to year. Suitable hey are relatively deep, have substantial of the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen constocked trout populations and those of other coldwater fish speyear to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such stream designated as trout resources by Fisheries Order 210.	cies (e.g., slimy sculpin) to persist from nese conditions due to substantial
SCA	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, viforest, or primeval forest) is an area of forest that has few or no exhibits unique ecological features related to age, composition are of natural origin. They may be dominated by late succession American beech), or may be a very old example of a stand dom species (i.e. oak, or red pine).	o signs of human disturbance and that and associated structure. Old growth forests nal forest species (i.e. sugar maple and
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effects as aesthetics, habitat, bank stability, timber production, and the	he unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian fects on water quality and quantity, as well
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from sapproved distance from the river centerlines. The Natural River most Natural Rivers. The Vegetative Buffer ranges from 25 to and Vegetative Buffers for each Natural River see the table located folder.	rs Zoning District is a 400 foot buffer for 100 feet. To view specific Zoning Districts
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of identified as Element Occurrences (EOs) by the Michigan Nature context of their natural community classification system. Eleme (Excellent) or B (Good) and a Global (G) or State (S) element (Interestence (2), or rare (3) serve as an initial base of ERAs. The the State. The system is comprised of individual or associations managed for restoration and maintenance of natural ecological submit recommendations for lands as ERAs using the DNR Co	ral Features Inventory (MNFI) within the ent Occurrences with viability ranks of A rarity) ranking of endangered (1), by may be located upon any ownership in s of natural community types that are processes and values. The public may



Stand	Level 4 C	over Type	;	Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments				
1	4319 - Mixed	d Upland Fo	orest S	awtimb	er Well	9.9	103	81-110	N/A		Eastern portion of the stand is moderate to low quality hardwoods. White				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pine and hemlock dominate the south and east parts of the stand. Some American beech present that occupies small component of BA; evidence				
	Red Maple	35	Log/Pole	12	103	Re	ed Maple	Medium	Variable	Sapling	of BBD in larger log size classes.				
	White Pine	35	Log/XLog/Pole	13		Ма	ple (spp.)	Low	< 5 feet	Seeding					
	Beech	10	Pole/Log/XLog	9			Beech	Low	Variable	Sapling	OPIC - FMD: Mixed bag stand. Hardwood stand, mostly lower quality. Conifer component throughout - WP/hemlock/spruce/balsam/cedar.				
	Hemlock	10	Log/XLog	15		WI	hite Pine	Low	< 5 feet	Sapling	Heavy to white pine on the southern fringe of stand. Difficult stand to				
	White Spruce	10	Pole	9		Н	lemlock	Low	Variable	Sapling	treat. The access to this stand is across PVT land where there gated road as well as a bridge crossing the S.Branch Two Heart that does not look like it will hold a log truck.				
2	6129 - Mixed Co	oniferous L orest	owland P	oletimb	er Well	56.3	95	111-140	N/A		Stand is mostly a Q type. Large white pine scattered in overstory.  Difficult stand to access. PVT land and low ground surrounding State				
	Canopy Species	% Cover	Size Class	DBH	l Age						land with no existing roads to the stand. Would need permission to cross PVT land as well as a new road. The closest access to this stand is				
	Black Spruce	40	Pole/Log	9	95						across PVT land where there gated road as well as a bridge crossing the				
Nor	thern White Cedar	18	Pole/Log	9							S.Branch Two Heart that does not look like it will hold a log truck.				
	White Pine	10	XLog	18							Portions of stand fall in the Two Hearted Natural River Zone.				
	Balsam Fir	6	Pole/Log	8											
	Hemlock	10	Log/Pole/XLog	13											
3	429 - Mixed l	Jpland Cor	nifers S	awtimb	er Well	16.5	90	111-140	N/A		Stand is adjacent to S.Branch Two Hearted River and is situated on the				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	slope of the river as well as some lowlands around the river. South half o stand is being acquired from The Nature Conservancy in 2019.				
	Red Maple	40	Log/Pole	12	90		Beech	Low	10 - 20 feet	Sapling	,				
	Balsam Fir	20	Pole/Log	9		Ва	alsam Fir	High	Variable	Sapling	OPIC - FMD: Stand falls adjacent to S.Branch Two Hearted River. Stand is situated on the side of hill leading to the river bank.				
	White Spruce	15	Log/Pole	10		Whi	te Spruce	Medium	Variable	Sapling	Soil=Croswell/Deford.				
	White Pine	8	XLog/Log	20		Yel	low Birch	Low	5 - 10 feet	Sapling					
	Hemlock	15	XLog/Log/Pole	20		Bla	ck Cherry	Low	10 - 20 feet	Sapling					
4	4112 - Maple Asso	, Beech, Cl ociation	herry Sa	wtimber	· Mediur	n 56.0	87	1-50	N/A		Lower quality hardwood stand. Variable BA between 1 to 40. Good regeneration and recruitment of maple from below with trace amounts of				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	yellow birch and cherry. Pockets of higher beech saplings but relatively low across the stand as a whole. Evidence of BBD with standing snags				
	Sugar Maple	55	Log/Pole	11	87	Ма	ple (spp.)	High	10 - 20 feet	Sapling	and course woody debris. Current stand conditions are a result of seed				
	Red Maple	25	Log/Pole	11			Beech	Medium	Variable	Sapling	tree treatment. Relatively lower canopy density in this stand compared to				
	Black Cherry	7	Pole/Log	8		Ма	ple (spp.)	Medium	< 5 feet	Seeding	other treated in the same sale.				
	Yellow Birch	6	Pole	8							Stand harvested via seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.				
											OPIC - FMD: Stand was treated in 1965 T.Sale#050-64. It is now large hardwood trees over-topping abundant sapling sized hardwood reproduction. Some hemlock and white pine present. The beech in here has been severely impacted by beech bark disease, many dead standing snags and dying trees. Quality of the standing timber is not that great because the trees are over-mature and defective. A portion of this stand				

treated.

falls within the Two Hearted Natural river zone, follow plan if stand is

Compartment: 10 Year of Entry: 2021



Stand	d Level 4 C	over Type	\$	Size Density	Acres	Stand Age	BA Range	Managed S	Site	General Comments		
5	6122 - Bl	ack Spruce	e Pol	etimber Mediur	n 100.6	97	Unspecified	N/A		Large variable stand with black spruce continuous across the stand.		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Specie	s Density	Avg. Height	Size	Better site index within stand than that of the ERA to the south. Portions of the stand are within the ERA boundary. Northeastern and north		
	Black Spruce	50	Pole	8 97	Northern	White Cedar	r Medium	Variable	Sapling	western portions of the stand have higher components of log/ pole sized		
	White Pine	20	Pole/Log	8	Blac	k Spruce	Medium	10 - 20 feet	Sapling	birch and red maple as associate species. Western portions of the stand		
	Paper Birch	7	Log	12	Re	d Maple	Medium	Variable	Sapling	have higher cedar, white pine associates. Majority of the stand was acquired from The Nature Conservancy (TNC) in 2019. Access from east		
	Balsam Fir	10	Log/Pole	10	Ta	marack	Low	Variable	Sapling	with issues still applicable (see OPIC comments below).		
	6122 - Bl	- Black Spruce		6122 - Black Spruce		oletimber Poor	59.8	109	1-50	N/A		PVT land where there gated road as well as a bridge crossing the S.Branch Two Heart that does not look like it will hold a log truck.  Stunted black spruce comprises a majority of the stand with white pine,
-	Canopy Species	% Cover		DBH Age		nopy Specie		Avg. Height	Size	cedar and tamarack as associates. Some edge dynamics present in sub- canopy species from hardwoods to the north. Slightly higher site index		
	Black Spruce	70	Pole/Sapling	5 109	Wh	nite Pine	Low	< 5 feet	Seeding			
	Tamarack	15	Pole/Sapling	5	Northern	White Cedar	r Low	< 5 feet	Seeding	from The Nature Conservancy (TNC) in 2019. Portion of the stand falls		
No	orthern White Cedar	10	Sapling/Pole	4						□ within Beavertown Lakes Fen ERA.		
										OPIC - FMD: Difficult stand to treat. The access to this stand is across		

Medium

Variable

Sapling

7	429 - Mixed U	nifers	Sawtimb	er Wel	1 20.4	85	111-140	N/A		
	Canopy Species	% Cover Size Class		s DBH Age		Sub-Car	nopy Species	s Density	Avg. Height	Size
	Hemlock	50 Log/XLog		14	85	He	Hemlock		Variable	Sapling

Red Maple

12

9

Mostly upland stand with log sized hemlock with white pine and red maple associates. Portions of the stand have influence from adjacent wet areas with lower size classes and higher species diversity. Southern portion of the stand contains slightly higher component of maple overstory. Medium to high hemlock regeneration throughout which should be considered if prescribed.

PVT land where there gated road as well as a bridge crossing the S.Branch Two Heart that does not look like it will hold a log truck. Low

ground in here, would need to treat in winter conditions.

Seeding Red Maple Low < 5 feet White Pine Medium < 5 feet Seeding OPIC - FMD: Stand is a mixed bag of species with variable size classes. Stand is mostly hemlock but white pine dominates the supercanopy. Intermittant wet areas throughout stand that seasonally fluctuate. Many portions of the stand have been treated in the past, mostly in the 60's. The north end of stand was last treated in 1982. There are some knobs/ridges in the south end of the stand near Two Hearted Lakes that have no records of treatment.. Soil=Spot/Finch Complex.

White Pine

Red Maple

20

20

Log

Pole/Log



Stand	Level 4 C	Si	Size Density			Stand Age B	A Range	Managed Site		General Comments		
8	4112 - Maple Asso	, Beech, Ch	nerry Polet	timbe	r Mediu	m 5.1	87	1-50	N/A		Large stand situated between newly acquired parcels from The Nature Conservancy (TNC) in 2019. Some variability in residual trees left from most recent harvest in basel area and species. Southern area of stand	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	most recent harvest in basal area and species; Southern area of stand are relatively lower BA; Hemlock component protrudes into the stand	
	Sugar Maple	45	Pole	8	87	Maple (spp.)	High	10 - 20 feet	Sapling	from the south. Variable regeneration post-seed tree harvest with higher		
	Red Maple	19	Pole	9		Blad	ck Cherry	Low	10 - 20 feet	Sapling	components maple with some areas heavy to beech. Stand was	
	Beech	15	Pole/Log	9		Maj	aple (spp.)	Medium	< 5 feet	Seeding	treated via seed tree: sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.OPIC - FMD: Low quality hardwoods. Beech	
	Sugar Maple	10	XLog	18		-	Beech	Medium	Variable	Sapling	that is in stand has been severly impacted by beech bark disease, many	
						Н	emlock	Low	5 - 10 feet	Sapling	standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A.	
					-	Ва	lsam Fir	Low	Variable	Sapling	Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory.	
	4442 Monlo	Dasah Ch	nounce Co	4:	\ \ / .	74.0	00	04.440	N/A		99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.	
9	4112 - Maple Asso	, Beech, Cr ociation	nerry Sa		er Well	74.3	86	81-110	N/A		Moderate to Low quality site with variable BA. High beech mortality in stand as it appears to be either dead and down or heavily infested. Areas of the stand with higher beech concentrations have low BA/ canopy gaps	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and show recruitment of maple and beech from the sapling/seedling	
	Sugar Maple	25	Log/Pole/XLog	12		Pir	n Cherry	Low	Variable	Sapling	layer. Stand should be considered for treatment next year of entry based	
	Red Maple	50	Log/Pole/XLog	11	86	Sug	gar Maple	Low	Variable	Sapling	on basal area and current and future canopy dynamics, allowing for	
		1 -	Log/XLog	15		Re	Red Maple		Variable	Sapling	recruitment into the canopy and sub-canopy.	
	Beech	15	Log/ALog									
	Beech	15	209,71209				Beech	High	Variable	Sapling	Stand was acquired from The Nature Conservancy (TNC) in 2019 land transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.	
10	4112 - Maple				er Well	-	Beech	High 81-110	N/A	Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component	
10	4112 - Maple	, Beech, Ch			er Well	89.9	Beech			Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand.	
10	4112 - Maple Asso	, Beech, Crociation  % Cover	nerry Pol	<b>DB</b> F		89.9 <b>Sub-Ca</b>	Beech 130	81-110	N/A  Avg. Height  Variable		transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole	
10	4112 - Maple Asso Canopy Species	, Beech, Chociation	nerry Pol	DBH		89.9 <b>Sub-Ca</b>	130 nopy Species	81-110 <b>Density</b>	N/A Avg. Height	Size	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent standals has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good	
10	4112 - Maple Asso Canopy Species Beech	, Beech, Crociation  % Cover	nerry Pol Size Class Pole/Log/XLog	9 8 9		89.9  Sub-Ca	130 nopy Species Beech	81-110  Density  High	N/A  Avg. Height  Variable	Size Sapling Sapling Seeding	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole	
10	4112 - Maple Asso Canopy Species Beech Black Cherry	, Beech, Chociation  % Cover  23 10	Size Class Pole/Log/XLog Pole/Log	<b>DBH</b> 9 8	l Age	89.9  Sub-Ca  Sug  Maj	nopy Species Beech gar Maple ple (spp.)	81-110  Density  High  Medium	N/A  Avg. Height  Variable  Variable  < 5 feet  >20 feet	Size Sapling Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good	
10	4112 - Maple Asso Canopy Species Beech Black Cherry Sugar Maple	, Beech, Chociation  % Cover  23  10  40	Size Class Pole/Log/XLog Pole/Log Pole/Log	9 8 9	l Age	89.9  Sub-Ca  Sug  Maj	130 nopy Species Beech gar Maple ple (spp.)	81-110  Pensity High Medium Low	N/A  Avg. Height  Variable  Variable  < 5 feet	Size Sapling Sapling Seeding	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent standa has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good succession of pole class into the sub-canopy and overstory at this point.  Stand was acquired from The Nature Conservancy (TNC) in 2019.	
10	4112 - Maple Asso Canopy Species Beech Black Cherry Sugar Maple Red Maple	, Beech, Chociation  % Cover 23 10 40 13	Size Class Pole/Log/XLog Pole/Log Pole/Log Pole/Log	9 8 9 8	1 Age	89.9  Sub-Ca  I  Sug  Maj  Ba	nopy Species Beech gar Maple ple (spp.)	81-110  Density High Medium Low Low	N/A  Avg. Height  Variable  Variable  < 5 feet  >20 feet	Size Sapling Sapling Seeding Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good succession of pole class into the sub-canopy and overstory at this point.  Stand was acquired from The Nature Conservancy (TNC) in 2019.  Stand should be reevaluated and considered being treated next inventory cycle.  Variable BA ranging from 20 to 60; average approximately 40 to 50. Good recruitment of maple in canopy gaps with some beech saplings	
	4112 - Maple Asso Canopy Species Beech Black Cherry Sugar Maple Red Maple	, Beech, Crociation  % Cover 23 10 40 13  , Beech, Crociation	Size Class Pole/Log/XLog Pole/Log Pole/Log Pole/Log	9 8 9 8	1 Age	89.9  Sub-Ca  Sug  Maj  Ba  H	130 nopy Species Beech gar Maple ple (spp.) llsam Fir emlock	81-110  Density High Medium Low Low Low	N/A  Avg. Height  Variable  Variable  < 5 feet  >20 feet  Variable	Size Sapling Sapling Seeding Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good succession of pole class into the sub-canopy and overstory at this point.  Stand was acquired from The Nature Conservancy (TNC) in 2019.  Stand should be reevaluated and considered being treated next inventor cycle.	
	4112 - Maple Asso Canopy Species Beech Black Cherry Sugar Maple Red Maple  4112 - Maple Asso Canopy Species Red Maple	, Beech, Crociation  % Cover 23 10 40 13  , Beech, Crociation	Size Class Pole/Log/XLog Pole/Log Pole/Log Pole/Log Pole/Log	9 8 9 8 timbe	1 Age	Sub-Ca Sug Map Ba H  m 6.0	130 nopy Species Beech gar Maple ple (spp.) llsam Fir emlock	81-110  Density High Medium Low Low Low Low	N/A  Avg. Height  Variable  Variable  < 5 feet  >20 feet  Variable	Size Sapling Sapling Seeding Sapling Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good succession of pole class into the sub-canopy and overstory at this point.  Stand was acquired from The Nature Conservancy (TNC) in 2019.  Stand should be reevaluated and considered being treated next inventor cycle.  Variable BA ranging from 20 to 60; average approximately 40 to 50. Good recruitment of maple in canopy gaps with some beech saplings throughout. Edge effect from adjacent stand is diverse conifer.  Stand harvested via seed tree, sale #42-026-11-01, Compartment 10	
	4112 - Maple Asso Canopy Species Beech Black Cherry Sugar Maple Red Maple  4112 - Maple Asso Canopy Species	, Beech, Crociation  % Cover 23 10 40 13  , Beech, Crociation  % Cover	nerry Pol Size Class Pole/Log/XLog Pole/Log Pole/Log Pole/Log Size Class	DBH 9 8 9 8	130 130 r Mediur	89.9  Sub-Ca  Sug  Maj  Ba  H  m 6.0  Sub-Ca	130 nopy Species Beech gar Maple ple (spp.) llsam Fir emlock  87 nopy Species	81-110  Density High Medium Low Low Low Density	N/A  Avg. Height  Variable  Variable  < 5 feet  >20 feet  Variable  N/A  Avg. Height	Size Sapling Sapling Seeding Sapling Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good succession of pole class into the sub-canopy and overstory at this point.  Stand was acquired from The Nature Conservancy (TNC) in 2019.  Stand should be reevaluated and considered being treated next inventor cycle.  Variable BA ranging from 20 to 60; average approximately 40 to 50. Good recruitment of maple in canopy gaps with some beech saplings throughout. Edge effect from adjacent stand is diverse conifer.	
	4112 - Maple Asso Canopy Species Beech Black Cherry Sugar Maple Red Maple  4112 - Maple Asso Canopy Species Red Maple	, Beech, Crociation  % Cover 23 10 40 13  , Beech, Crociation  % Cover 60	nerry Pol Size Class Pole/Log/XLog Pole/Log Pole/Log Pole/Log Size Class Log	9 8 9 8 timbe	130 130 r Mediur	89.9  Sub-Ca  Sug  Mai  Ba  H  m 6.0  Sub-Ca  Mai  Che	130 nopy Species Beech gar Maple ple (spp.) llsam Fir emlock  87 nopy Species ple (spp.)	81-110  Density High Medium Low Low Low  1-50  Density High	N/A  Avg. Height  Variable  Variable  < 5 feet  >20 feet  Variable  N/A  Avg. Height  10 - 20 feet	Size Sapling Sapling Seeding Sapling Sapling Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good succession of pole class into the sub-canopy and overstory at this point.  Stand was acquired from The Nature Conservancy (TNC) in 2019.  Stand should be reevaluated and considered being treated next inventor cycle.  Variable BA ranging from 20 to 60; average approximately 40 to 50. Good recruitment of maple in canopy gaps with some beech saplings throughout. Edge effect from adjacent stand is diverse conifer.  Stand harvested via seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.	
	4112 - Maple Asso Canopy Species Beech Black Cherry Sugar Maple Red Maple  4112 - Maple Asso Canopy Species Red Maple	, Beech, Crociation  % Cover 23 10 40 13  , Beech, Crociation  % Cover 60	nerry Pol Size Class Pole/Log/XLog Pole/Log Pole/Log Pole/Log Size Class Log	9 8 9 8 timbe	130 130 r Mediur	89.9  Sub-Ca  Sug  Maj  Ba  H  m 6.0  Sub-Ca	130 nopy Species Beech gar Maple ple (spp.) dsam Fir emlock  87 nopy Species ple (spp.)	81-110  Density High Medium Low Low Low  1-50  Density High Low	N/A  Avg. Height  Variable  Variable  < 5 feet  >20 feet  Variable  N/A  Avg. Height  10 - 20 feet  >20 feet	Size Sapling Sapling Seeding Sapling Sapling Sapling Sapling Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good succession of pole class into the sub-canopy and overstory at this point.  Stand was acquired from The Nature Conservancy (TNC) in 2019.  Stand should be reevaluated and considered being treated next inventory cycle.  Variable BA ranging from 20 to 60; average approximately 40 to 50. Good recruitment of maple in canopy gaps with some beech saplings throughout. Edge effect from adjacent stand is diverse conifer.  Stand harvested via seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.  OPIC - FMD: Low quality hardwoods. Beech that is in stand has been	
	4112 - Maple Asso Canopy Species Beech Black Cherry Sugar Maple Red Maple  4112 - Maple Asso Canopy Species Red Maple	, Beech, Crociation  % Cover 23 10 40 13  , Beech, Crociation  % Cover 60	nerry Pol Size Class Pole/Log/XLog Pole/Log Pole/Log Pole/Log Size Class Log	9 8 9 8 timbe	130 130 r Mediur	Sub-Ca I Sug Maj Ba H m 6.0 Sub-Ca Maj Che	130 nopy Species Beech gar Maple ple (spp.) alsam Fir emlock  87 nopy Species ple (spp.) erry (spp.) Beech	81-110  Density High Medium Low Low Low  1-50  Density High Low Medium	N/A  Avg. Height  Variable  Variable  < 5 feet  >20 feet  Variable  N/A  Avg. Height  10 - 20 feet  >20 feet  Variable	Size Sapling Sapling Seeding Sapling Sapling Sapling Sapling Sapling Sapling Sapling	transaction. A portion of the stand, south of the southernmost road appears to have been recently marked with orange paint.  A more moderate quality hardwood stand than that to the east, with higher component of sugar maple present. Heavier red maple component toward the southern portion of the stand. Edge effect from adjacent stand has hemlock and white pine components. Some scattered large beech within the stand show little resistance to BBD. Majority of stand is pole sized (6-8 inch class) and is direct result of historical management. Good succession of pole class into the sub-canopy and overstory at this point.  Stand was acquired from The Nature Conservancy (TNC) in 2019.  Stand should be reevaluated and considered being treated next inventory cycle.  Variable BA ranging from 20 to 60; average approximately 40 to 50. Good recruitment of maple in canopy gaps with some beech saplings throughout. Edge effect from adjacent stand is diverse conifer.  Stand harvested via seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.	



Stand	Level 4 C	over Type	;	Size De	nsity	Acres Stand Age	BA Range	Managed S	Site	General Comments
12	4112 - Maple, Asso	nerry S	Sawtimber Well		2.6 125	81-110	N/A		Stand is isolated geographically within the compartment and is small acreage. Since last inventory stream crossing to the east has been	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	s Density	Avg. Height	Size	improved. Majority of beech now is dead and down and beech
	White Pine			182	Beech	High	>20 feet Sapli		regeneration now recruiting from the understory and BBD likely to be reoccurring issue within the stand. Treatments prescription should try to	
	Red Maple	65	Pole/Log/Sap	9	125	Red Maple	Low	ow Variable Sapling	Sapling	address this issue.
	Sugar Maple	10	Pole/Log	8		Yellow Birch	Low	Variable	Sapling	Dominant age of stand estimated based on current age measurements
	Beech	15	Log/Pole	11		White Pine	Low	Variable	Sapling	within other hardwoods within compartment. Second age estimated
						Red Maple	Low	< 5 feet	Seeding	based on canopy dynamics.
										OPIC - FMD: Stand falls on the edge of upland site. Defective and overmature hardwoods. Beech has scale. Stand was last treated in th mid 50's. Beech in stand has scale and is dead and/or dying. Stand is too small to treat by itself, road work would be needed with a possible bridge/culvert to the east ~1/2 mile. Could possibley treat stand if TNC treats their land nearby otherwise is too small to work with. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.
13	429 - Mixed L		nifers S		er Well	8.7 150  Sub-Canopy Species	81-110 <b>Density</b>	N/A Avg. Height	Size	Majority of the stand situated on the north facing slope, leading to lowlands. Stand falls within the Two-Hearted River Zone. Element
	Hemlock	40	Log/XLog/Pole			Balsam Fir	Medium	Variable	Sapling	Occurrence - Hardwood-Conifer Swamp community.
	White Pine	30	Log/XLog/Pole			Black Spruce	Low	Variable	Sapling	
	Yellow Birch	8	Log/Pole	10		Northern White Cedar		>20 feet	Sapling	
Nor	rthern White Cedar	6	Log/Pole	10		White Pine	Medium	Variable	Sapling	
	Red Maple	12	Pole/Log	9		Yellow Birch	Low	>20 feet	Sapling	
			<u> </u>			Hemlock	Medium	10 - 20 feet	Sapling	
14	42390 - Mixed Non-Pine Upland Conifers		Jpland S	Sawtimber Well		13.7 200	111-140	N/A		Diverse lowland stand. Majority of the stand contains large cedar, hemlock and white pine with red maple with elm and birch as associate:
	Canopy Species	% Cover	Size Class		l Age	Sub-Canopy Species	Density	Avg. Height	Size	near central southern portion of stand. No obvious evidence of historica cutting.
Nor	rthern White Cedar	32	XLog/Log	22	200	Red Maple	Medium	Variable	Sapling	3
	Black Spruce	11	Pole/Log/Sap	8		Northern White Cedar	Low	Variable	Sapling	Element Occurrence - Hardwood-Conifer Swamp community.
	Hemlock	10	XLog/Log	22		Balsam Fir	Medium	>20 feet	Pole	OPIC - FMD: Stand falls in the Two Hearted River zone.
	Balsam Fir	15	Log/XLog/Pole	e 14		Balsam Fir	Low	Variable	Sapling	5
								T 40 fact	0 !!	1
	White Pine	10	XLog/Log	22		Hemlock	Low	5 - 10 feet	Sapling	



Stand	Level 4 Co	over Type	e Si	ze Density	Acres	Stand Age	BA Range	Managed	Site	General Comments			
16	6221	- Fen	١	lonstocked	17.1	0	Unspecified	No		Stand includes Beavertown Lakes Fen, EO_ID: 22086. This area was			
					Sub-Ca	nopy Specie	es Density	Avg. Height	Size	previously included in a 2,000 acre muskeg complex (EO_ID:7430), but it was separated out in 2018. More details in Beavertown Lakes ERA plan			
					Bla	ck Spruce	High	Variable	Sapling	(currently pending draft).			
					Ta	amarack	Medium	Variable	Sapling				
					Norther	n White Ceda	ar Medium	Variable	Sapling				
					W	hite Pine	Low	Variable	Sapling				
					Spha	gnum Moss	Full	Unspecified	Non-Wood				
17	6221	- Fen	N	lonstocked	18.1	0	Unspecified	No		Stand includes majority of Beavertown Lakes Fen, EO_ID: 22086. This			
					Sub-Ca	nopy Specie	es Density	Avg. Height	Size	area was previously included in a 2,000 acre muskeg complex (EO_ID:7430), but it was separated out in 2018. More details in			
					Bla	ck Spruce	High	Variable	Sapling	Beavertown Lakes ERA plan (currently pending draft). OPIC - FMD:			
					Ta	amarack	Medium	Variable	Sapling	OI Stand Year Origin was			
					Norther	n White Ceda	ar Medium	Variable	Sapling				
					W	hite Pine	Low	Variable	Sapling				
					Sphagnum Moss		Full	Unspecified	Non-Wood				
18	6221	6221 - Fen Nonstocked		lonstocked			Unspecified	No		Stand includes majority of Beavertown Lakes Fen, EO_ID: 22086. This area was previously included in a 2,000 acre muskeg complex (EO_ID:7430), but it was separated out in 2018. More details in			
						Sub-Canopy Species		Avg. Height	Size				
					Bla	ck Spruce	High	Variable	Sapling	Beavertown Lakes ERA plan (currently pending draft).			
						amarack	Medium	Variable	Variable Sapling OPIC - FMD: OI Stand Year Origin was	OPIC - FMD: OI Stand Year Origin was			
						n White Ceda	ar Medium	m Variable		OPIC - FMD: Of Stand Year Origin was			
						White Pine		Variable	Sapling				
					Spha	gnum Moss	Full	Unspecified	Non-Wood				
19	6128 - Lowland ( Deci	Coniferous duous	s, Mixed Saw	timber Mediu	m 74.3	95	111-140	N/A		Stand is adjacent to the West Branch of the Two Hearted River. Old oxbows from the river seasonally hold water and have fairly open canopy			
(	Canopy Species	% Cove	r Size Class	DBH Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	with lowland conifer, aspen and birch. Portions of the stand type out to S type or Q type and upland areas have larger MC types. Lowland portions			
	Black Spruce	30	Pole/Log	8 95	Re	ed Maple	Medium	Variable	Sapling	of the stand have pole and log sized spruce, balsam and some cedar and			
	White Pine	25	Log/Pole/XLog	12 95	W	hite Pine	Low	Variable	Sapling	tamarack. Ridges around oxbows contain largest diameter white pine,			
	Red Maple	20	Log/Pole	10	F	lemlock	Low	5 - 10 feet	Sapling	birch and red maple. Research plot observed in stand on east side (possibly FIA). Difficult access to the stand through private gated road			
	Hemlock	7	Log/Pole/XLog	11	Bla	ck Spruce	Medium	Variable	Sapling	from the east as well as small private bridge (12,000 GVW). Large			
					Ва	alsam Fir	Low	5 - 10 feet	Sapling	portion of the stand was acquired from The Nature Conservancy (TNC) ir 2019.			



Stand	d Level 4 C	Level 4 Cover Type				Acres	Stand Age B	A Range Managed Site		ite	General Comments	
20		4191 - Mixed Upland Deciduous with Sa Conifer				3.4	97	111-140	N/A		Upland stand situated between mixed conifer site to north and lowland spruce/cedar site to south. Stand is dominated by log sized white birch	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	and red maple with white pine and cedar associates. Few birch dead and down currently and expected to increase as birch is at the end of its life	
	White Pine	30	Log/XLog/Pole	16			d Maple	Medium	>20 feet	Pole	expectancy. If accessed, stand could be treated. Site adjacent to private	
	Red Maple	30	Log/Pole	14		Red	d Maple	Medium	Variable	Sapling	and where the site continues to the northeast. Access issues arise (see	
Noi	orthern White Cedar	10	Pole/Log	8		Bal	sam Fir	Low	>20 feet	Pole	OPIC comments below).	
	Paper Birch	30	XLog/Log	18	97	White	e Spruce	Low	Variable	Sapling	OPIC - FMD: Difficult stand to treat. The access to this stand is across	
						Northern	White Cedar	Medium	>20 feet	Pole	PVT land where there gated road as well as a bridge crossing the	
						Northern	White Cedar	Medium	Variable	Sapling	S.Branch Two Heart that does not look like it will hold a log truck.	
21	4112 - Maple Asso	, Beech, Ch	nerry Pole	etimbei	r Mediui	m 3.6	87	1-50	N/A		Small hardwood stand situated adjacent to the slope that bisects most of the compartment. Variable regeneration post-seed tree harvest with good	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	flush of maple from below. Relatively less beech within this stand than the neighboring site treated at the same time.	
	Sugar Maple	45	Pole	8	87	Мар	ole (spp.)	High	10 - 20 feet	Sapling	the neighboring site treated at the same time.	
	Red Maple	19	Pole	9		Blac	k Cherry	Low	10 - 20 feet	Sapling	Stand was treated via seed tree: sale #42-026-11-01, Compartment 10	
	Beech	15	Pole/Log	9		Мар	ole (spp.)	Medium	< 5 feet	Seeding	Hardwoods. Completed 09/27/2016.	
		10	XLog	18		В	Beech	Medium	Variable	Sapling	OPIC - FMD: Low quality hardwoods. Beech that is in stand has been	
	Sugar Maple	10	ougui Mapie 10 ALog			_					Of 10 - 1 MD. Low quality hardwoods. Decel that is in stand has been	
	Sugar Maple	10	71=09				emlock	Low	5 - 10 feet	Sapling	severely impacted by beech bark disease, many standing dead/dying	
	Sugar Maple	10	, and			He	emlock sam Fir	Low	5 - 10 feet Variable	Sapling Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9	
22	4112 - Maple	, Beech, Ch		oletimb	er Poor	He Bal					severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand.	
22	4112 - Maple Asso	, Beech, Ch	nerry Po			He Bal 112.9	sam Fir	1-50	Variable N/A	Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand.	
22	4112 - Maple Asso Canopy Species	, Beech, Ch ociation <b>% Cove</b> r	nerry Po	DBH	I Age	He Bal 112.9 Sub-Car	75 nopy Species	1-50  Density	Variable  N/A  Avg. Height	Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment	
22	4112 - Maple Asso Canopy Species Sugar Maple	, Beech, Chociation  % Cover	nerry Po Size Class Pole	<b>DBH</b>		He Bal	75 nopy Species ble (spp.)	1-50  Density High	N/A  Avg. Height 10 - 20 feet	Sapling  Size  Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-	
22	4112 - Maple Asso Canopy Species Sugar Maple Red Maple	, Beech, Chociation  % Cover  45	nerry Po Size Class Pole Pole	<b>DBH</b> 8 9	I Age	He Bal	75 nopy Species ble (spp.)	1-50  Density High Low	N/A  Avg. Height 10 - 20 feet 10 - 20 feet	Sapling  Size Sapling Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment	
22	4112 - Maple Asso Canopy Species Sugar Maple Red Maple Beech	, Beech, Crociation  **Cover* 45 19 15	Size Class Pole Pole Pole/Log	<b>DBH</b> 8 9	I Age	He Bal  112.9  Sub-Car  Map Blac  Map	75 nopy Species ble (spp.) ck Cherry ble (spp.)	1-50  Density High Low Medium	N/A  Avg. Height 10 - 20 feet 10 - 20 feet < 5 feet	Sapling  Size Sapling Sapling Sapling Seeding	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment	
22	4112 - Maple Asso Canopy Species Sugar Maple Red Maple	, Beech, Chociation  % Cover  45	nerry Po Size Class Pole Pole	<b>DBH</b> 8 9	I Age	112.9  Sub-Car  Map Blac  Map	75 nopy Species ble (spp.) ck Cherry ble (spp.) Beech	1-50  Density High Low Medium Medium	N/A  Avg. Height 10 - 20 feet 10 - 20 feet < 5 feet Variable	Size Sapling Sapling Sapling Seeding Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment	
22	4112 - Maple Asso Canopy Species Sugar Maple Red Maple Beech	, Beech, Crociation  **Cover* 45 19 15	Size Class Pole Pole Pole/Log	<b>DBH</b> 8 9	I Age	112.9  Sub-Car  Map Blac  Map	75 nopy Species ble (spp.) ck Cherry ble (spp.)	1-50  Density High Low Medium	N/A  Avg. Height 10 - 20 feet 10 - 20 feet < 5 feet	Sapling  Size Sapling Sapling Sapling Seeding	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment	
22	4112 - Maple Asso Canopy Species Sugar Maple Red Maple Beech Sugar Maple	, Beech, Chociation  % Cover  45  19  15  10	Size Class Pole Pole Pole/Log XLog	<b>DBH</b> 8 9 9 18	I Age	112.9  Sub-Car  Map Blac  Map E He	75 nopy Species ble (spp.) ck Cherry ble (spp.) Beech	1-50  Density High Low Medium Medium	N/A  Avg. Height 10 - 20 feet 10 - 20 feet < 5 feet Variable	Size Sapling Sapling Sapling Seeding Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.	
	4112 - Maple Asso Canopy Species Sugar Maple Red Maple Beech Sugar Maple	, Beech, Chociation  % Cover  45 19 15 10  , Beech, Chociation	Size Class Pole Pole Pole/Log XLog	B	75 Per Well	112.9  Sub-Car  Map Blac  Map B He	75 nopy Species ble (spp.) ck Cherry ble (spp.) Seech emlock	1-50  Density High Low Medium Medium Low	N/A  Avg. Height 10 - 20 feet 10 - 20 feet < 5 feet Variable 5 - 10 feet	Size Sapling Sapling Sapling Seeding Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.	
	4112 - Maple Asso Canopy Species Sugar Maple Red Maple Beech Sugar Maple	, Beech, Chociation  % Cover  45 19 15 10  , Beech, Chociation  % Cover  45	Size Class Pole Pole Pole/Log XLog	B	75 75 Per Well	He Bal  112.9  Sub-Car  Map Blac  Map He  111.3	75 nopy Species ole (spp.) ck Cherry ole (spp.) Beech emlock 75	1-50  Density High Low Medium Medium Low	N/A  Avg. Height 10 - 20 feet 10 - 20 feet < 5 feet Variable 5 - 10 feet	Size Sapling Sapling Sapling Seeding Sapling Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand.  Stand was treated in 1982, T.sale#020-82A	
	4112 - Maple Asso Canopy Species Sugar Maple Red Maple Beech Sugar Maple 4112 - Maple Asso Canopy Species	, Beech, Chociation  % Cover  45 19 15 10  , Beech, Chociation  % Cover	Size Class Pole Pole Pole/Log XLog	DBH   8   9   9   18	75 Per Well	He Bal  112.9  Sub-Car  Map Blac  Map Blac  Map Sub-Car  Map	75 nopy Species ble (spp.) ck Cherry ble (spp.) Beech emlock 75 nopy Species	1-50  Density High Low Medium Low  1-50  Density	N/A  Avg. Height 10 - 20 feet 10 - 20 feet < 5 feet Variable 5 - 10 feet  N/A  Avg. Height	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand.  Stand was treated in 1982, T.sale#020-82A Stand harvested as seed tree, sale #42-026-11-01, Compartment 10	
	4112 - Maple Asso Canopy Species Sugar Maple Red Maple Beech Sugar Maple 4112 - Maple Asso Canopy Species Sugar Maple	, Beech, Chociation  % Cover  45 19 15 10  , Beech, Chociation  % Cover  45	Size Class Pole Pole Pole/Log XLog  nerry Pole Size Class Pole	B	75 Per Well	Sub-Car Map Blac Map Blac Map Blac Map Blac Map Blac Map Blac Blac Blac Blac	75 nopy Species ble (spp.) ck Cherry ble (spp.) Beech emlock 75 nopy Species ble (spp.)	1-50  Density High Low Medium Medium Low  1-50  Density High	N/A  Avg. Height 10 - 20 feet 10 - 20 feet < 5 feet Variable 5 - 10 feet  N/A  Avg. Height 10 - 20 feet	Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand.  Stand was treated in 1982, T.sale#020-82A	
	4112 - Maple Asso Canopy Species Sugar Maple Red Maple Beech Sugar Maple  4112 - Maple Asso Canopy Species Sugar Maple Red Maple	, Beech, Chociation  % Cover  45 19 15 10  , Beech, Chociation  % Cover 45 19	Size Class Pole Pole/Log XLog  Merry Pole Size Class Pole Pole	BH	75 Per Well	He Bal  112.9  Sub-Car  Map Blac  Map  111.3  Sub-Car  Map Blac  Map	75 nopy Species ble (spp.) ck Cherry ble (spp.) Beech emlock 75 nopy Species ble (spp.)	1-50  Density High Low Medium Medium Low  1-50  Density High Low	N/A  Avg. Height 10 - 20 feet 10 - 20 feet Variable 5 - 10 feet  N/A  Avg. Height 10 - 20 feet 10 - 20 feet	Size Sapling	severely impacted by beech bark disease, many standing dead/dying trees. Stand was treated in 1982, T.sale#020-82A. Residual BA is variable across stand. Plenty of advanced regen. If treated release what is established by removing some of the overstory. 99=04,01. At compartment review it was agreed to possibly plant oak trees in all M9 stands where feasible after the harvest to replace mast trees. Wildlife division would find the necessary funding.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand. Stand was treated in 1982, T.sale#020-82AStand harvested as seed tree, sale #42-026-11-01, Compartment 10 Hardwoods. Completed 09/27/2016.  Upland low quality hardwood stand. Residual BA varies across the stand. Good mix of sugar maple and red maple. Some healthy pole sized beech remain in the stand.  Stand was treated in 1982, T.sale#020-82A Stand harvested as seed tree, sale #42-026-11-01, Compartment 10	



Stand	Level 4 Co	Si	Size Density			Stand Age B	A Range	Managed 9	Site	General Comments				
24	622 - Low	land Shru	b N	lonst	ocked	2.8	Ur	nspecified	No		OPIC - FMD: Tag alder along the bank of the Two Hearted River. Soil=Aquents/histosols.			
					Sub-Cano	nopy Species	Density	Avg. Height 5 - 10 feet	Size	Soli=Aquerits/filstosols.				
						Tag	Alder		Medium	Tall Shrub				
						Black	Spruce	Low	>20 feet	Pole				
25	6129 - Mixed Co Fo	oniferous L orest	owland Po	etimb	er Well	33.9	90	51-80	N/A		Larger white pine within the central part of the stand. Inclusions from the Two Hearted River into some parts of the stand.OPIC - FMD: Stand			
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Cano	py Species	Density	Avg. Height	Size	falls in the Two Hearted River zone. Very limited access to stand, no roads, low ground, adjacent to river, etc. Soil=Carbondale/Lupton/Tawas			
	White Pine	25	Log/XLog/Pole	16		Northern V	Vhite Cedar	Medium	Variable	Sapling	Complex.			
	Black Spruce	35	Pole	8	90	Black	Spruce	Medium	Variable	Sapling				
	Tamarack	10	Pole	8		Tam	arack	Trace	10 - 20 feet	Sapling				
Nor	thern White Cedar	20	Log/Pole	11		White	e Pine	Low	< 5 feet	Seeding				
26	6128 - Lowland ( Deci	Coniferous duous	s, Mixed Po	etimb	er Well	13.0	130	111-140	N/A		Diverse lowland stand. Portions of the stand near the river contain large cedar, hemlock and white pine. Pocket of red maple with elm and birch			
	Canopy Species	% Cove	r Size Class	DBH	l Age	Sub-Cano	py Species	Density	Avg. Height	Size	as associates in center of stand. Portion of the stand near the river has no evidence of historical cutting. Element Occurrence - Hardwood-			
Nor	thern White Cedar	32	Pole/Log/XLog	9	130	Red I	Maple	Medium	Variable	Sapling	Conifer Swamp community. OPIC - FMD: Stand falls in the Two			
	Black Spruce	20	Pole/Log/Sap	8		Northern V	Vhite Cedar	Low	Variable	Sapling	Hearted River zone.			
	Hemlock	10	Log/XLog/Pole	14		Balsa	am Fir	Medium	>20 feet	Pole				
	Balsam Fir	15	Pole/Log	8		Balsam Fir		Low	Variable	Sapling				
						Hemlock		Low	5 - 10 feet	Sapling				
27	6122 - Bl	ack Spruc	e Po	etimb	er Poor	129.4 89		1-50	N/A		Some variability in site condition across the stand with product size			
	Canopy Species	% Cove	r Size Class	DBH Age		Sub-Canopy Species		Density	Avg. Height Siz	Size	classes ranging from larger sapling size to larger pole sized with seldom small log sized scattered. Stand falls within the Beavertown Lakes Fen			
	Black Spruce	85	Pole	8			PJ - P							
	thern White Cedar		. 0.0		89	Northern V	Vhite Cedar		Variable					
1401		8	Pole		89		Vhite Cedar	Medium	Variable	Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.			
		8	Pole	9	89	Black	Spruce	Medium Medium	>20 feet	Sapling Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.			
		8	Pole		89	Black		Medium		Sapling	ERA. Evidence of old ice roads in the eastern and central portions of			
28	6120 - Lov			9	er Well	Black	Spruce Maple	Medium Medium	>20 feet	Sapling Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.			
28			ar Po	9 letimb		11.1 222.4	Spruce Maple  128  0 Ur	Medium Medium Medium 111-140	>20 feet Variable N/A	Sapling Sapling Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.  OPIC - FMD: Trees are small and suppressed.  HCVA = Two Hearted River - Natural River Zone. South Branch of Two Hearted River forms west boundary of stand. Pockets of pure C6. White pine overstory associates. Fairly steep, long bank separates this stand from hardwood stand to east. Data from 2011 YOE.  Stand includes majority of Beavertown Lakes Fen, EO_ID: 22086. This			
		wland Ced	ar Po	9 letimb	per Well	Black Red I  11.1  222.4  Sub-Cano	Spruce Maple  128  0 Ur  ppy Species	Medium Medium Medium Medium  111-140  Inspecified Density	>20 feet Variable N/A No Avg. Height	Sapling Sapling Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.  OPIC - FMD: Trees are small and suppressed.  HCVA = Two Hearted River - Natural River Zone. South Branch of Two Hearted River forms west boundary of stand. Pockets of pure C6. White pine overstory associates. Fairly steep, long bank separates this stand from hardwood stand to east. Data from 2011 YOE.  Stand includes majority of Beavertown Lakes Fen, EO_ID: 22086. This area was previously included in a 2,000 acre muskeg complex (EO_ID:7430), but it was separated out in 2018. More details in			
		wland Ced	ar Po	9 letimb	per Well	Black Red I  11.1  222.4  Sub-Cano	Spruce Maple  128  0 Ur	Medium Medium Medium 111-140	>20 feet Variable N/A	Sapling Sapling Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.  OPIC - FMD: Trees are small and suppressed.  HCVA = Two Hearted River - Natural River Zone. South Branch of Two Hearted River forms west boundary of stand. Pockets of pure C6. White pine overstory associates. Fairly steep, long bank separates this stand from hardwood stand to east. Data from 2011 YOE.  Stand includes majority of Beavertown Lakes Fen, EO_ID: 22086. This area was previously included in a 2,000 acre muskeg complex (EO_ID:7430), but it was separated out in 2018. More details in Beavertown Lakes ERA plan (currently pending draft). OPIC - FMD:			
		wland Ced	ar Po	9 letimb	per Well	Black Red I  11.1  222.4  Sub-Cano	Spruce Maple  128  0 Ur  ppy Species	Medium Medium Medium Medium  111-140  Inspecified Density	>20 feet Variable N/A No Avg. Height	Sapling Sapling Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.  OPIC - FMD: Trees are small and suppressed.  HCVA = Two Hearted River - Natural River Zone. South Branch of Two Hearted River forms west boundary of stand. Pockets of pure C6. White pine overstory associates. Fairly steep, long bank separates this stand from hardwood stand to east. Data from 2011 YOE.  Stand includes majority of Beavertown Lakes Fen, EO_ID: 22086. This area was previously included in a 2,000 acre muskeg complex (EO_ID:7430), but it was separated out in 2018. More details in			
		wland Ced	ar Po	9 letimb	per Well	Black Red I  11.1  222.4  Sub-Cano Black Tam.	Spruce Maple  128  0 Ur  ppy Species  Spruce	Medium Medium Medium Medium  111-140  Inspecified  Density High	>20 feet Variable  N/A  No  Avg. Height Variable	Sapling Sapling Sapling Sapling Size Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.  OPIC - FMD: Trees are small and suppressed.  HCVA = Two Hearted River - Natural River Zone. South Branch of Two Hearted River forms west boundary of stand. Pockets of pure C6. White pine overstory associates. Fairly steep, long bank separates this stand from hardwood stand to east. Data from 2011 YOE.  Stand includes majority of Beavertown Lakes Fen, EO_ID: 22086. This area was previously included in a 2,000 acre muskeg complex (EO_ID:7430), but it was separated out in 2018. More details in Beavertown Lakes ERA plan (currently pending draft). OPIC - FMD:			
		wland Ced	ar Po	9 letimb	per Well	Black Red I  11.1  222.4  Sub-Cano Black Tam. Northern V	Spruce Maple  128  0 Ur  ppy Species Spruce arack	Medium Medium Medium Medium  111-140  Inspecified  Density High Medium	>20 feet Variable  N/A  No  Avg. Height Variable Variable	Sapling Sapling Sapling Size Sapling Sapling	ERA. Evidence of old ice roads in the eastern and central portions of stand.  OPIC - FMD: Trees are small and suppressed.  HCVA = Two Hearted River - Natural River Zone. South Branch of Two Hearted River forms west boundary of stand. Pockets of pure C6. White pine overstory associates. Fairly steep, long bank separates this stand from hardwood stand to east. Data from 2011 YOE.  Stand includes majority of Beavertown Lakes Fen, EO_ID: 22086. This area was previously included in a 2,000 acre muskeg complex (EO_ID:7430), but it was separated out in 2018. More details in Beavertown Lakes ERA plan (currently pending draft). OPIC - FMD:			



Stand	Level 4 C	over Type	\$	Size De	ensity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
30	622 - Lowland Shrub		)	Nonstocked		10.7	Unspecifie		d No		
31	429 - Mixed l	Upland Cor	ifers S	Sawtimber Well		34.2	150	81-110	N/A		Western portion of the stand was acquired from The Nature Conservancy
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	(TNC) in 2019. Portions of the stand have evidence of old beds leading to lowlands to north. Stand species densities vary across the stand. Decent
	Hemlock	40	Log/XLog/Pole	14	150	Ва	Isam Fir	Medium	Variable	Sapling	hemlock regeneration in portions with higher hemlock component.
	White Pine	30	Log/XLog/Pole	12		Blac	k Spruce	Low	Variable	Sapling	
	Yellow Birch	8	Log/Pole	10		Northern	White Cedar	r Low	>20 feet	Sapling	OPIC - FMD: Stand falls on a side hill where uplands drop off into lowlands. Mixed bag of hemlock, white pine, spruce, balsam, cedar, red
No	rthern White Cedar	6	Log/Pole	10		Wh	nite Pine	Medium	Variable	Sapling	maple, yellow/white birch.
	Red Maple	12	Pole/Log	9		Yell	ow Birch	Low	>20 feet	Sapling	
				'		Н	emlock	Medium	10 - 20 feet	Sapling	
32	411 - North	ern Hardwo	ood P	oletimb	er Well	2.1	95	81-110	N/A		HCVA = Two Hearted River - Natural River Zone. On the Northeast section of the stand there are a bunch of trees that are numbered with blue paint but there are no records indicating what these are for. Abundant beech saplings in M2 layer. White spruce and hemlock are overstory components. Section 16. Data from previous YOE.
33	6239 - Mixed E	mergent W	etland	Nonstocked  Nonstocked		4.1		Unspecified	No		OPIC - FMD: Stand seasonally holds water, dried up now. Stand is bare dirt with scattered herbaceous plants/grasses growing.
34	6239 - Mixed E	mergent W	etland			5.5		Unspecified	No		OPIC - FMD: Stand seasonally holds water, dried up now. Stand is bare dirt with scattered herbaceous plants/grasses growing.
37	4119 - Mixed No	orthern Har	dwoods S	awtimb	er Poor	22.2	87	1-50	N/A		Current canopy composition is a good mix of hardwood (mostly sugar
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	maple with red maple, cherry and a few beech as associates) and large conifer (white pine and hemlock). Stand harvested as seed tree, sale #42
	Sugar Maple	54	Pole/Log	9	87		ole (spp.)	High	Variable	Sapling	026-11-01, Compartment 10 Hardwoods. Completed 09/27/16. Plenty of
	Red Maple	10	Pole/Log	9		Blac	ck Cherry	Low	10 - 20 feet	Sapling	advanced regeneration and past understory residual will flush and recruit
	Hemlock	15	Log/XLog	16		E	Beech	Low	10 - 20 feet	Sapling	to the canopy by the next inventory cycle.
			1 /2/1								
	White Pine	15	Log/XLog	13		Re	d Maple	Medium	Variable	Sapling	2009 compartment review it was agreed to possibly plant oak trees in all



Stand	Level 4 Co	Level 4 Cover Type				Acres Stand Age BA	A Range	Managed S	ite	General Comments		
38	4115 - Y.Birc	h, Hemloc	k NH Sa	wtimbe	er Poor	28.7 92	1-50	N/A		Current overstory is composed of various hardwood species with exception of American beech which is now dead and down (DDW).		
	Canopy Species	% Cover	r Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Average basal area throughout the stand is 10 - 40; slightly higher in th		
	Red Maple	35	Log/XLog	13	92	Beech	Full	>20 feet	Sapling	central south portion where a conifer dominated swale protrudes into the		
	Sugar Maple	20	Log/XLog	14	92	Maple (spp.)	Medium	>20 feet	Sapling	stand. Since last inventory rigorous recruitment from the seedling layer		
	Yellow Birch	15	Log	15		Maple (spp.)	High	< 5 feet	Seeding	now is sapling sized and full. At this time no treatment needed to relea second age class however, beech has outcompeted maple in places a		
	White Pine	10	Log	14		White Pine	Low	5 - 10 feet	Sapling	may need to be addressed for future forest health concerns.		
	Hemlock	10	Log/XLog	17		White Spruce	Low	5 - 10 feet	Sapling			
						White Pine	Low	< 5 feet	Seeding	OPIC - FMD: Stand was treated in 2003. It was selectively marked and several beech that were left behind as residual have now been severel		
						Balsam Fir	Medium	10 - 20 feet	Sapling	attacked by beech bark disease and the trees are now dead or dying.		
						Yellow Birch	Low	Variable	Sapling	There are several blowdowns and snaped off snags on the ground now Maybe do a delayed removal in future to release regen. Soil=Paguin.		
98		prest			Mediu		51-80	N/A		OPIC - FMD: Stand is a mixed bag of species with variable size classed Stand is mostly hemlock but white pine dominates the supercanopy.		
	Canopy Species		r Size Class		Age	Sub-Canopy Species	Density	Avg. Height	Size	Intermittant wet areas throughout stand that seasonally fluctuate. Man		
	Hemlock	35	Log/Pole/XLog	10	95	Hemlock	Low	Variable	Sapling	portions of the stand have been treated in the past, mostly in the 60's.		
	White Pine	20	Log/Pole/XLog	10		Black Spruce	Medium	10 - 20 feet	Sapling	The north end of stand was last treated in 1982. There are some knobs/ridges in the south end of the stand near Two Hearted Lakes the		
	Red Maple	10	Pole/Log	8		Red Maple	Low	< 5 feet	Seeding	have no records of treatment Soil=Spot/Finch Complex.		
99	Balsam Fir 6239 - Mixed E	mergent V	Pole Vetland	7 Nonsto	cked	Red Maple 5.1 Un	Low	< 5 feet No	Sapling			
99 102	6239 - Mixed E	mergent V	Vetland I	Nonsto	ocked er Well	5.1 Un			Sapling	Stand is situated on the north side of the ridge that bisects the compartment. Very large hemlock and white pine with yellow birch		
102	6239 - Mixed E 6129 - Mixed Co Fo	mergent V	Vetland I	Nonsto	er Well	5.1 Un 5.4 105 1	specified	No N/A	Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes		
102	6239 - Mixed E	mergent W oniferous L orest	Vetland I	Nonsto		5.1 Un	specified	No		compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into		
102	6239 - Mixed E 6129 - Mixed Co Fo Canopy Species	mergent Woniferous Lorest  Cover	Vetland I  owland Sa  r Size Class  XLog/Log	Nonsto wtimb	er Well	5.1 Un 5.4 105 1 Sub-Canopy Species	specified 41-170 Density	No N/A Avg. Height	Size	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star		
102	6239 - Mixed E 6129 - Mixed Co Fo Canopy Species Hemlock	mergent Woniferous Lorest  Cover	Vetland I owland Sa	Nonsto wtimber DBH	er Well	5.1 Un 5.4 105 1  Sub-Canopy Species  Balsam Fir	specified  41-170  Density  Medium	No N/A Avg. Height >20 feet	Size Pole Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star acquired from The Nature Conservancy (TNC) in 2019. Evidence of		
102	6239 - Mixed E 6129 - Mixed Co Fo Canopy Species Hemlock White Pine	mergent Wooniferous Lorest  Cover 40 20	vetland !  owland Sa  r Size Class  XLog/Log  XLog/Log	Nonsto  Witimber  DBH  18  20	er Well	5.1 Un 5.4 105 1  Sub-Canopy Species  Balsam Fir  Balsam Fir	41-170  Density  Medium Low	No  N/A  Avg. Height >20 feet  Variable	Size Pole	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star		
102	6239 - Mixed E  6129 - Mixed Co Fo  Canopy Species Hemlock White Pine Black Spruce	mergent Wooniferous Lorest  Cover 40 20 20	Vetland I  Lowland Sa  T Size Class  XLog/Log  XLog/Log  Pole	Nonsto  DBH  18 20 9	er Well	5.1 Un  5.4 105 1  Sub-Canopy Species  Balsam Fir  Balsam Fir  Hemlock  Northern White Cedar	specified  41-170  Density  Medium  Low  Medium	No  N/A  Avg. Height >20 feet  Variable  Variable	Size Pole Sapling Sapling Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star acquired from The Nature Conservancy (TNC) in 2019. Evidence of historic road apparent intersecting the middle of the stand.		
102	6239 - Mixed E  6129 - Mixed Co Fo  Canopy Species Hemlock White Pine Black Spruce	mergent Wooniferous Lorest  Cover 40 20 20	Vetland I  Lowland Sa  T Size Class  XLog/Log  XLog/Log  Pole	Nonsto  DBH  18 20 9	er Well	5.1 Un 5.4 105 1  Sub-Canopy Species Balsam Fir Balsam Fir Hemlock	41-170  Density  Medium  Low  Medium  Low	No  N/A  Avg. Height >20 feet Variable Variable Variable	Size Pole Sapling Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star acquired from The Nature Conservancy (TNC) in 2019. Evidence of historic road apparent intersecting the middle of the stand.  Portion of the stand currently included within the Beavertown Lakes Fe (previously included in a 2,000 acre muskeg complex (EO_ID:7430), but the content of the stand to the		
102	6239 - Mixed E  6129 - Mixed Co Fo  Canopy Species Hemlock White Pine Black Spruce	mergent Wooniferous Lorest  Cover 40 20 20	Vetland I  Lowland Sa  T Size Class  XLog/Log  XLog/Log  Pole	Nonsto  DBH  18 20 9	er Well	5.1 Un  5.4 105 1  Sub-Canopy Species  Balsam Fir  Balsam Fir  Hemlock  Northern White Cedar  Black Spruce	A1-170  Density  Medium  Low  Medium  Low  Low  Low	No  N/A  Avg. Height >20 feet  Variable  Variable  Variable  Variable	Size Pole Sapling Sapling Sapling Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. State acquired from The Nature Conservancy (TNC) in 2019. Evidence of historic road apparent intersecting the middle of the stand.  Portion of the stand currently included within the Beavertown Lakes Formatten associated within the properties of the stand.		
102	6239 - Mixed E  6129 - Mixed Core Formal Core Canopy Species Hemlock White Pine Black Spruce rthern White Cedar	mergent Woniferous Lorest  Cover 40 20 20 10	vetland I	Nonsto   Witimbe   DBH	er Well	5.1 Un  5.4 105 1  Sub-Canopy Species  Balsam Fir  Balsam Fir  Hemlock  Northern White Cedar  Black Spruce  Red Maple	A1-170  Density  Medium  Low  Medium  Low  Low  Low	No  N/A  Avg. Height >20 feet  Variable  Variable  Variable  Variable	Size Pole Sapling Sapling Sapling Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star acquired from The Nature Conservancy (TNC) in 2019. Evidence of historic road apparent intersecting the middle of the stand.  Portion of the stand currently included within the Beavertown Lakes Fe (previously included in a 2,000 acre muskeg complex (EO_ID:7430), b it was separated out in 2018).  Elimination of this stand from the Beavertown Lakes Fen boundary should be considered.  Mixed composition within the stand with higher component of conifer (less hardwood influence than that of adjacent compartment stand).		
Nor	6239 - Mixed E  6129 - Mixed Core Formal Core Canopy Species Hemlock White Pine Black Spruce rthern White Cedar	mergent Woniferous Lorest  **Cover**  40 20 20 10  Non-Pine Unifers	vetland I	Nonston Nonsto	Age 105	5.1 Un  5.4 105 1  Sub-Canopy Species  Balsam Fir  Balsam Fir  Hemlock  Northern White Cedar  Black Spruce  Red Maple	A1-170  Density  Medium  Low  Medium  Low  Low  Low  Low  Low	No  N/A  Avg. Height >20 feet Variable Variable Variable Variable 5 - 10 feet	Size Pole Sapling Sapling Sapling Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star acquired from The Nature Conservancy (TNC) in 2019. Evidence of historic road apparent intersecting the middle of the stand.  Portion of the stand currently included within the Beavertown Lakes Fe (previously included in a 2,000 acre muskeg complex (EO_ID:7430), b it was separated out in 2018). Elimination of this stand from the Beavertown Lakes Fen boundary should be considered.  Mixed composition within the stand with higher component of conifer (less hardwood influence than that of adjacent compartment stand). Portions of the stand seasonally flood with river fluctuations, affecting		
Nor	6239 - Mixed E  6129 - Mixed Co Fo  Canopy Species  Hemlock  White Pine  Black Spruce  rthern White Cedar	mergent Woniferous Lorest  **Cover**  40 20 20 10  Non-Pine Unifers	Vetland I  Lowland Sa  r Size Class     XLog/Log     XLog/Log     Pole     Log/XLog  Upland Saw	Nonston Nonsto	Age 105	5.1 Un  5.4 105 1  Sub-Canopy Species  Balsam Fir  Balsam Fir  Hemlock  Northern White Cedar  Black Spruce  Red Maple  m 1.1 90 1	Density Medium Low Medium Low Low Low Low Low A1-170	No  N/A  Avg. Height  >20 feet  Variable  Variable  Variable  Variable  5 - 10 feet	Size Pole Sapling Sapling Sapling Sapling Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star acquired from The Nature Conservancy (TNC) in 2019. Evidence of historic road apparent intersecting the middle of the stand.  Portion of the stand currently included within the Beavertown Lakes Fe (previously included in a 2,000 acre muskeg complex (EO_ID:7430), b it was separated out in 2018).  Elimination of this stand from the Beavertown Lakes Fen boundary should be considered.  Mixed composition within the stand with higher component of conifer (less hardwood influence than that of adjacent compartment stand).		
Nor	6239 - Mixed E  6129 - Mixed Co Fo  Canopy Species  Hemlock  White Pine  Black Spruce  rthern White Cedar  42390 - Mixed I Coil	mergent Woniferous Lorest  Cover 40 20 20 10  Non-Pine Unifers  Cover Woniferous Lorest	Vetland I  Lowland Sa  r Size Class     XLog/Log     XLog/Log     Pole     Log/XLog  Upland Saw  r Size Class	Nonsto  DBH  18 20 9 14  rtimber	Age 105	5.1 Un  5.4 105 1  Sub-Canopy Species  Balsam Fir  Balsam Fir  Hemlock  Northern White Cedar  Black Spruce  Red Maple  m 1.1 90 1  Sub-Canopy Species	Density Medium Low Low Low Low Low Density	No  N/A  Avg. Height >20 feet Variable Variable Variable Variable 5 - 10 feet  N/A  Avg. Height	Size Pole Sapling Sapling Sapling Sapling Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Star acquired from The Nature Conservancy (TNC) in 2019. Evidence of historic road apparent intersecting the middle of the stand.  Portion of the stand currently included within the Beavertown Lakes Fe (previously included in a 2,000 acre muskeg complex (EO_ID:7430), bit was separated out in 2018). Elimination of this stand from the Beavertown Lakes Fen boundary should be considered.  Mixed composition within the stand with higher component of conifer (less hardwood influence than that of adjacent compartment stand). Portions of the stand seasonally flood with river fluctuations, affecting canopy composition and closer. Some large white pine and hemlock		
Nor	6239 - Mixed E  6129 - Mixed Co Fo  Canopy Species Hemlock White Pine Black Spruce rthern White Cedar  42390 - Mixed I Cool  Canopy Species Red Maple	mergent Woniferous Lorest  Cover 40 20 20 10  Non-Pine Unifers  Cover 15	Vetland I  Lowland Sa  r Size Class	Nonsto  DBH  18 20 9 14  Ttimber  DBH  12	Age 105	5.1 Un  5.4 105 1  Sub-Canopy Species  Balsam Fir  Balsam Fir  Hemlock  Northern White Cedar  Black Spruce  Red Maple  m 1.1 90 1  Sub-Canopy Species  Balsam Fir	Density Medium Low Medium Low Low Low Low Low High	No  N/A  Avg. Height  >20 feet  Variable  Variable  Variable  Variable  5 - 10 feet  N/A  Avg. Height  Variable	Size Pole Sapling Sapling Sapling Sapling Sapling Sapling Sapling	compartment. Very large hemlock and white pine with yellow birch associate dominates south eastern portion of the stand. Size classes decreases and species diversity increases as you move northward into more black spruce dominated portions of stand. More species diversity within the overstory and understory compared to adjacent stands. Stan acquired from The Nature Conservancy (TNC) in 2019. Evidence of historic road apparent intersecting the middle of the stand.  Portion of the stand currently included within the Beavertown Lakes Fe (previously included in a 2,000 acre muskeg complex (EO_ID:7430), bit was separated out in 2018). Elimination of this stand from the Beavertown Lakes Fen boundary should be considered.  Mixed composition within the stand with higher component of conifer (less hardwood influence than that of adjacent compartment stand). Portions of the stand seasonally flood with river fluctuations, affecting canopy composition and closer. Some large white pine and hemlock visible from stand edge. Stand falls within the Two-Hearted River		

Report 7 - Stands



Stand	Level 4 C	over Type		Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments
110	4112 - Maple Asso	Poletimber Well		21.4	75	81-110	N/A		Stand was acquired from The Nature Conservancy (TNC) in 2019. Low mid-quality hardwoods. Basal area somewhat variable average between		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	80-90. Diameter distribution throughout the stand is skewed right with relatively high sapling and pole sized diameter classes within the canopy
	Red Maple	55	Pole/Log	9	75	Re	ed Maple	High	Variable	Sapling	and sub-canopy. Current conditions indicate previous heavy
	Sugar Maple	18	Pole/Log	9		Sug	gar Maple	Low	Variable	Sapling	
	Yellow Birch	8	Pole	7		Yel	low Birch	Low	10 - 20 feet	Sapling	Nice component and recruitment of yellow birch within the stand.
	Beech	12	Pole/Log	9							Stand should be considered for single tree selection treatment next inventory cycle following proper q-factor distribution, giving time for size classes to increase within the stand.
114	500	- Water		Nonsto	cked	1.4		Unspecified	No		