Compartment Review Presentation

Traverse City Forest Management Unit Compartment 61102 Entry Year: 2027 Acreage: 2,471 County: Kalkaska Management Area: Kalkaska Sandy Moraines

Stand Examiner: Thomas Peterson III

Legal Description:

Kalkaska County T28N, R5W, Sec. 4, 5, 6, 7, 8, 9

Identified Planning Goals:

Management in the Kalkaska Sandy Moraines management area (MA) will emphasize continuing balancing the age class of aspen on suitable sites and thinning the northern hardwoods, balancing age classes of red pine and jack pine and regenerating the aging swamp hardwood and conifer resource where possible. Management will strive to sustainably produce various timber products, enhance game and non-game wildlife habitat, protect areas of unique character and provide for forest-based recreational uses. Management activities are constrained by poor access in the swampy (16% lowland) portions of this area, some of which fall in the riparian zone of the Manistee River, a dedicated natural river. Expected trends within this 10-year planning period are increased recreational pressure, introduced pests and diseases and the difficulty in regenerating swamp types.

Soil and topography:

The north and west side of the compartment is mostly flat with gently rolling hills. The south and eastern part of the stand is larger rolling hills some of which my present obstacles to harvesting timber. There are scattered vernal ponds across the compartment as well as larger lakes in the central portion of the compartment. Most of the soil is Kalkaska Sand and Blue Lake Loamy sand.

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

Private ownership with high residential & second home development around the lakes. The rest of the area is mostly state ownership.

Unique Natural Features:

This compartment falls within landtype associations (LTAs) 3121, 5211, and 5521 of sub-subsection VII.2.2. LTA 3121, which occurs in the southeastern portion of the compartment, is characterized by large irregular ice-contact ridges, few kettle lakes, and well drained loamy sand. Northern hardwood forests of beech and sugar maple occurred on 73% of this LTA circa 1800. Hemlock and white pine probably occurred in low numbers throughout most of these hardwood forests, and these two conifers also co-dominated forests on the remainder of the LTA. Specifically, hemlock, was co-dominant with either beech or white pine on about 19% of the LTA. In addition to its association with hemlock, white pine also occurred in mixed forests with red pine on about 6% of the LTA. Northern hardwood forests remain the dominant cover type on LTA 3121, covering about 70% of its surface. However, most of these second growth forests lack the structural complexity of mature northern hardwoods and, in addition, the conifer component has been greatly reduced or eliminated. Conifer dominated forests, once common on this LTA, have been essentially eliminated, whereas aspen/white birch forests now cover about 19% of the area. The northwestern two-thirds of the compartment contains LTA 5211, a pitted outwash plain with excessively drained sand. Forests of beech and sugar maple covered 34% of the LTA. One guarter of the landscape was dominated by fire-prone red pine mixed with white or jack pine. Jack pine, occurring in pure stands or in open, savannalike pine and oak/pine barrens covered approximately 13% of the LTA. The remainder of the LTA supported forests of white pine, beech, and red maple, often including a significant portion of hemlock, and lowland conifer swamps. The uplandconifer forests, which occupied over 50% of the LTA at the time of the General Land Office survey have been drastically reduced and now occur on about 19% of the landscape. Further, much of these remaining conifer forests are red or jack pine plantations, while oak and pine barrens and forests co-dominated by hemlock have been virtually eliminated. In contrast, aspen/white birch forests, which covered about 3% of the LTA at the time of the General Land Office survey, have increased to about 20% cover today. LTA 5521 is found in southeastern corner of the compartment. LTA 5521 is characterized by narrow, north-south trending outwash channels with well-drained sand between large ice-contact ridges. Circa 1800, white pine was co-dominant with hemlock, red pine, or American beech and red maple, in 61% of the original forests of the LTA. Eastern hemlock also occurred with American beech in forests that covered about 8% of the LTA. The remaining upland area supported less extensive forests of American beech and sugar maple, and red pine mixed with oak or jack pine. Wetlands, which covered 13% of the LTA, were predominately cedar, mixed conifer, or mixed hardwood/conifer swamps. The LTA has become guite fragmented and 21% of its area supports cover types with less than 5% individual cover. Aspen/white birch forest, which was not noted by the original land surveyors, has become the

predominant cover type and occurs on 25% of the LTA. Pine forest persists on only 20% of the area and forests with hemlock as a co-dominant have been virtually eliminated. Unmanaged herbaceous and shrublands collectively cover about 18% of the LTA, while northern and central hardwoods occur on another 15%. Much of the original conifer-dominated wetlands have been converted to either lowland hardwoods or lowland shrubs.

Archeological, Historical, and Cultural Features:

Big Wheel" roads are located on private to the west of this compartment. Also, a number of old Antrim Iron Company logging camps are located just outside the compartment boundaries.

Special Management Designations or Considerations:

Sections 8 and 9 did have a Potential Old Growth Area but this area does not meet the Old Growth criteria. In addition there is a lot of oil and gas activity and the motorized recreation trails in these sections.

Watershed and Fisheries Considerations:

Starvation Lake, Eagle Lake, Waddell's Pond, and McNeil's Pond all lie within Compartment 102. Starvation Lake is stocked annually with rainbow and brown trout, and also offers good fishing for largemouth bass, smallmouth bass, bluegill, and yellow perch. Eagle Lake offers fishing for largemouth bass, bluegill, pumpkinseed sunfish, and yellow perch. No timber harvests should take place within 100' of these lakes or the two ponds, per MDNR BMPs.

Wildlife Habitat Considerations:

The north half of the compartment consists of a pitted outwash plain (LTA 5211). This type of outwash plain consists of numerous kettle lakes and sandy, excessively drained soils. Within this compartment, numerous aspen and shrub stands are located here. There are also maple and pine stands. Portions of Sec. 08 and Sec. 09 lie on an ice contact ridge (LTA 3121). Topography is steep, broken, and irregular. Soils are well drained, loamy sand. Within this compartment, maple stands dominate. There are also some limited aspen stands, along with a few old well pad sites. A small, narrow outwash channel (LTA 5521) is located in the SE corner of Sec. 09. A red pine plantation and young maple/aspen/tamarack stand are located here. FMFM planted tamarack within the deciduous stand and it is doing well.

Ruffed grouse use different aged aspen throughout their life cycle. Younger stands provide cover while older stands provide catkins (food source) for the winter months. Aspen clearcuts help facilitate different sized trees by mimicking the necessary disturbance vital for regeneration. The creation of CWD trees for drumming logs and maintaining berry-producing shrubs is also desirable. Wildlife considerations for northern hardwood stands involve maintaining tree species diversity, the protection of den/nesting trees & snags, Coarse Woody Debris (CWD), and maintaining a scattering of mast-producing trees/shrubs. This will insure use by many species of wildlife. Examples of species include scarlet tanager, raccoon, broadwinged hawk, wild turkey, and white-tailed deer. Many wildlife species rely on small forest openings and upland shrubland. These openings provide grassy nest sites, plentiful seeds and insects, and cover. Examples of species include northern flicker, eastern chipmunk, and blue racer. Upland shrub stands are important because they contain many berry-producing trees and shrubs. Handfelling with chainsaws may be needed to maintain these habitat types. Any degraded site should be considered for planting of trees, rye, or into a native grass. The tamarack planted within one stand provides an interesting alternative for tree species diversification and does provide some wildlife value.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 600 and 1,000 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have an economic use. No gravel pits are located in the area. Sand and gravel potential is considered good, but economic development may be limited by the high density of oil and gas wells in the area. This area is located in the Niagaran reef trend with many producing wells. The Antrim Shale gas play may have some limited potential. Most of the compartment is currently leased for oil and gas development. Parts of three gas storage fields are also in the compartment.

Vehicle Access:

There is good vehicle access through out the compartment with poor dirt roads and County roads. New temporary roads might need to be made into stand 41 for the hardwood thinning.

Survey Needs:

Survey work is needed in section 8 and 9 to establish the treatment boundaries.

Recreational Facilities and Opportunities:

There are a variety of recreational opportunities within this compartment. Motorized trail opportunities include: the Kalkaska ORV route (designed for vehicles 72 inches and wider), the Kalkaska ORV trail (designed for ORV's <50 inches), the Michigan Cross Country Cycle Trail (MCCCT), and the Blue Bear snowmobile and connector trail to the Jordan Valley snowmobile system. Non-motorized trail opportunities include the North Country National Scenic Trail-which runs north/south thru the center of this compartment. There is also a public boating access site located on Starvation Lake. Trail protection specifications should be included in any timber sale potentially impacting these recreational facilities. Specifically, appropriate measures identified in DNR Policy and Procedures document "32.22XX Best Management Practices for Forest and Wildlife Management Adjacent to Recreational Trails" should be taken into consideration. (T.M.N. 12/9/14).

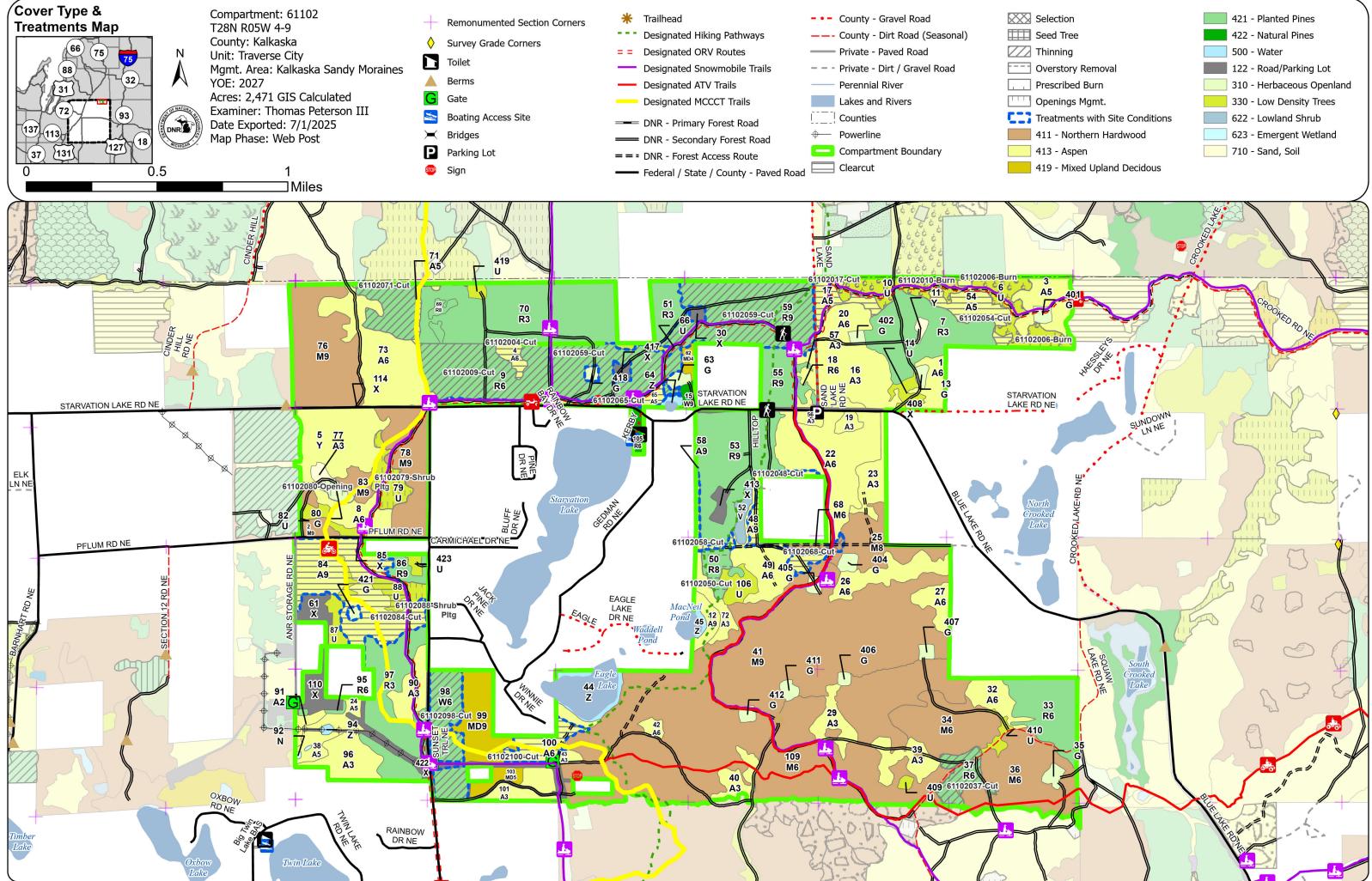
Fire Protection:

Kalkaska DNR and Blue Lake Township Fire Department cover this compartment for fire suppression.

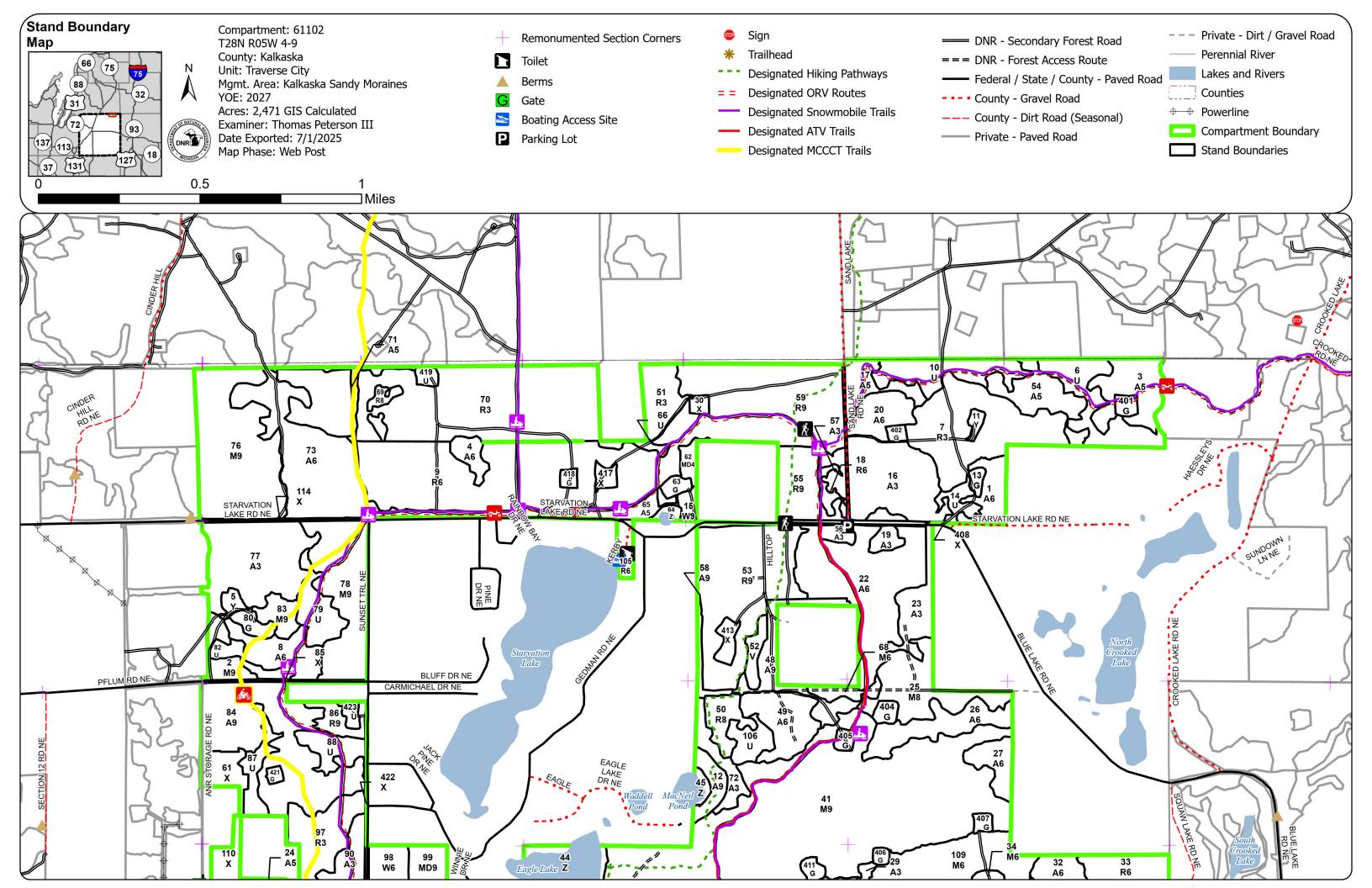
Additional Compartment Information:

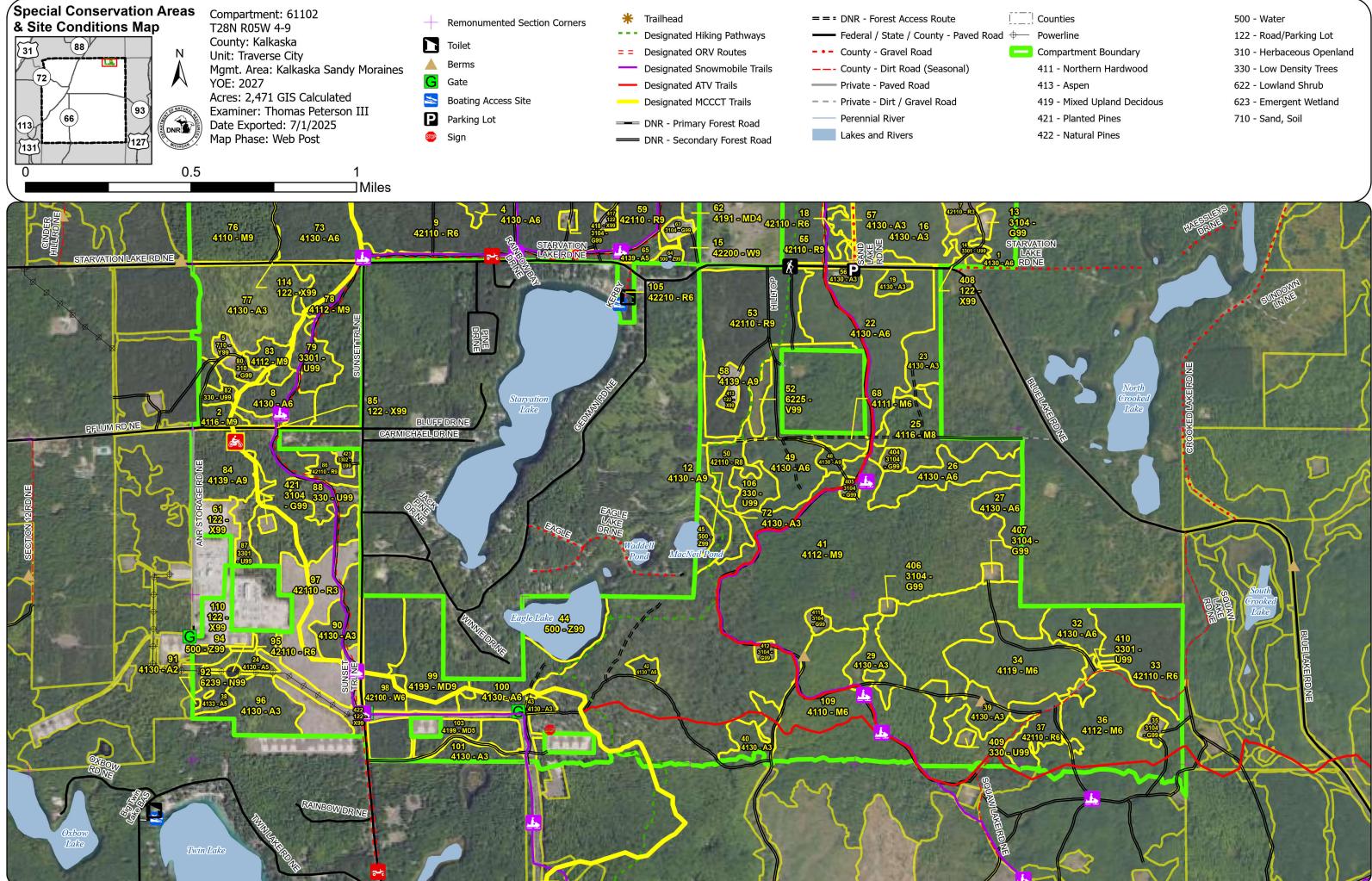
The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas Site Condition Details

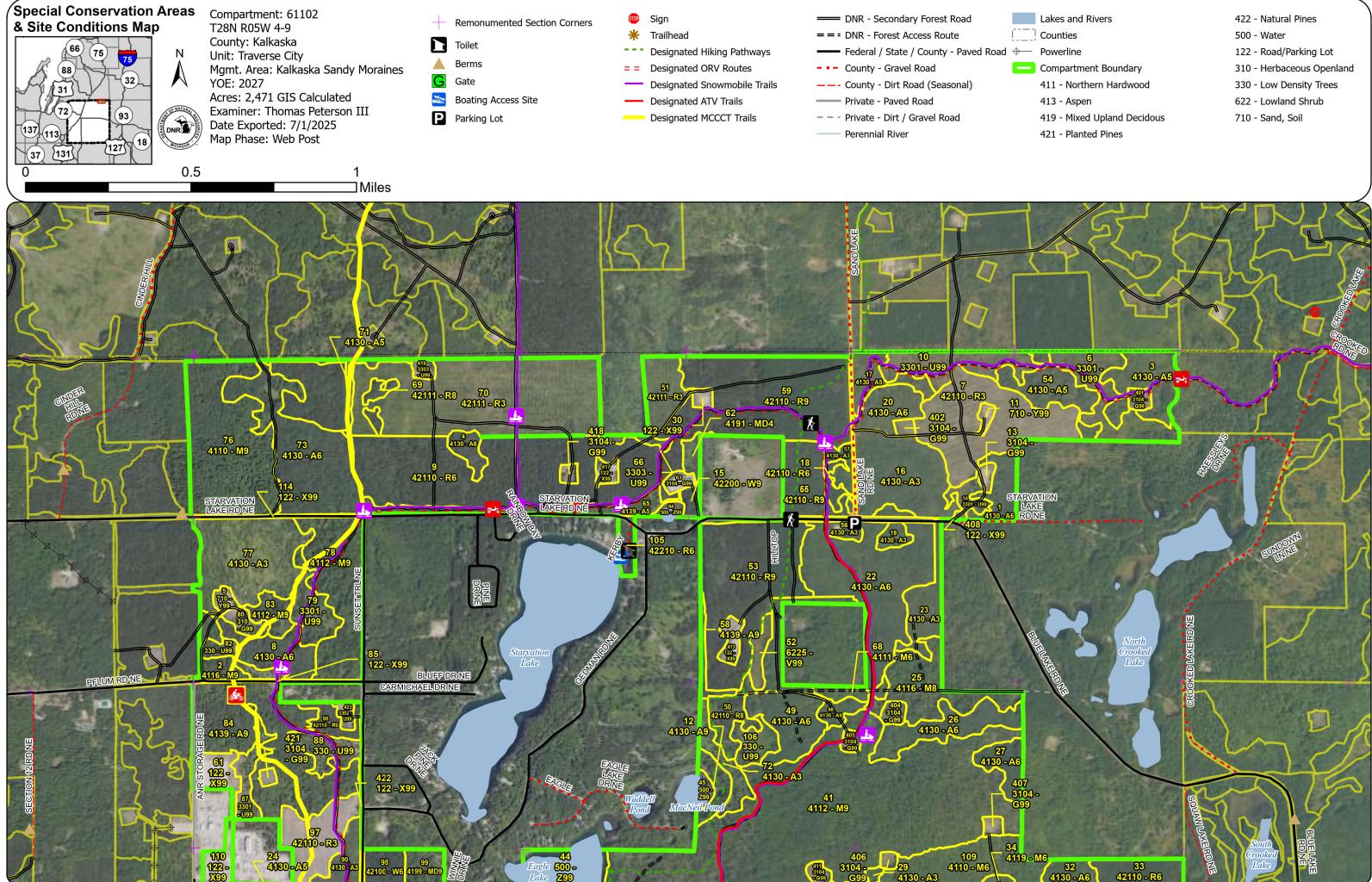
The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers Proposed treatments Site condition boundaries Details on the road access system

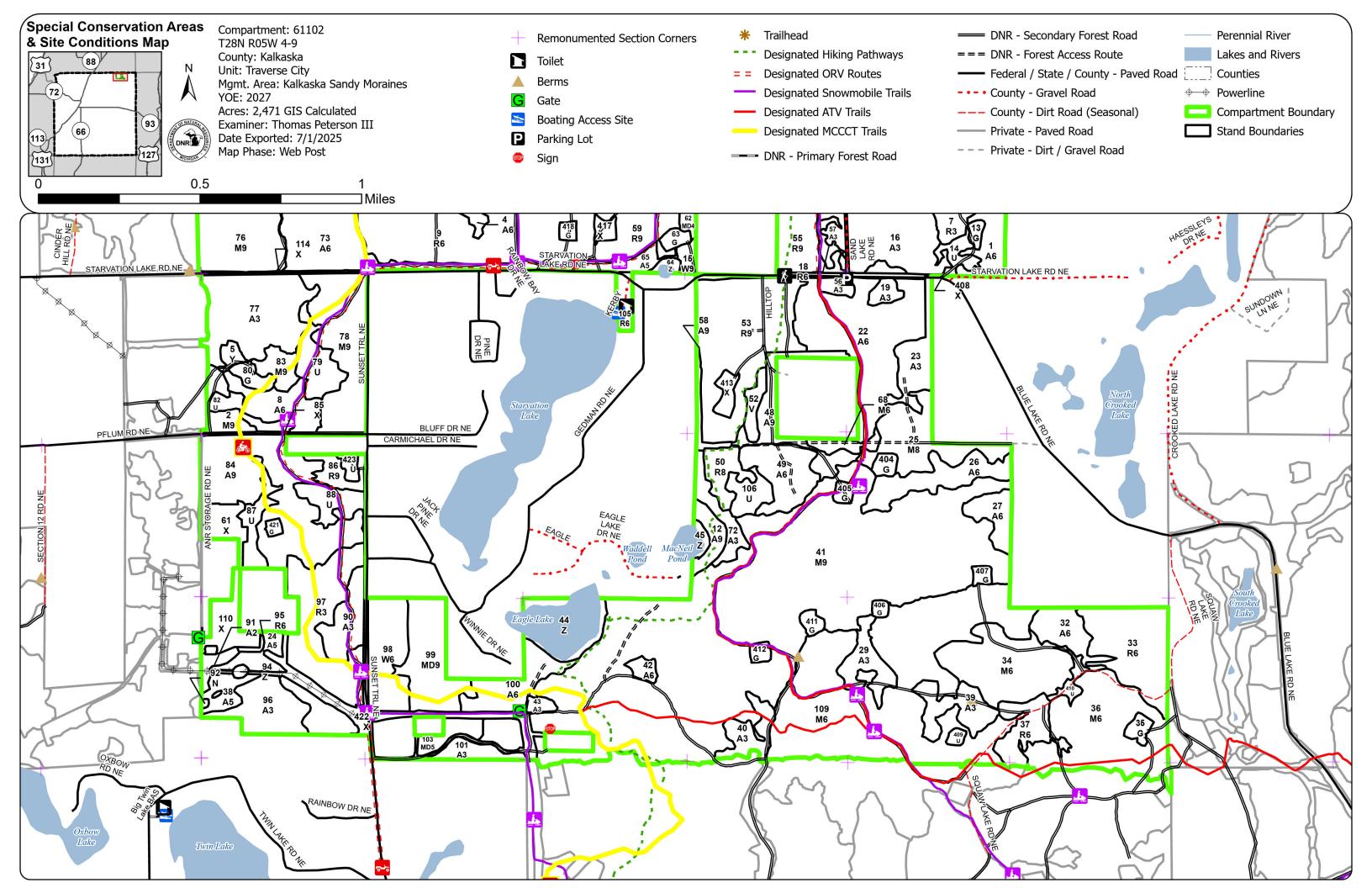












Age Class

Traverse City Mgt. Unit

Thomas Peterson III: Examiner

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Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Herbaceous Openland	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Low-Density Trees	117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	117
Marsh	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Mixed Upland Deciduous	0	0	0	0	0	4	38	0	0	0	0	0	0	0	0	0	0	0	42
Northern Hardwood	0	0	0	0	44	0	0	30	644	76	0	0	0	0	0	0	0	9	803
Red Pine	0	111	118	0	0	0	13	364	19	0	0	0	0	0	0	0	0	0	624
Sand, Soil	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Urban	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
Water	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
White Pine	0	0	0	0	0	0	0	37	3	0	0	0	0	0	0	0	0	0	40
Total	271	169	191	104	200	48	183	473	678	76	0	0	0	0	0	0	0	80	2472
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Report 2 – Treatment Summary

Acres of Harvest Total Compartment Acres: nercial Harvest - 186	2,471
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sts with Site Condition - 401	
Step Harvest - 0	
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Cover Type by Harvest Method

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Aspen		174	0	0	4	0	0	0	0	0	178	Í
Northern Hardwood		0	5	0	0	0	0	0	0	0	5	
Red Pine		0	0	0	0	0	236	10	0	0	245	
White Pine		0	0	0	0	0	37	0	0	0	37	
	Total	174	5	0	4	0	273	10	0	0	466]

Proposed and Next Step Treatments by Method

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Current		466	0	0	0	47	0	0	0	0	535	
Next Step		0	0	0	0	0	0	123	0	0	123	
	Total	466	0	0	0	47	0	123	0	0	658	

S t			y Mgt. Unit		керо	13	Freatments		Compartmen Year of Entry		
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<u>Next Si</u> Treatm											
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Report 3 -- Treatments

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	atment Iame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habit Cut
10 61	102010- Burn	21.7 3	3301 - Low Density Deciduous Trees	99			Burn	Prescribed Burn	3105 - Mixed Upland Herbaceous	Previous Inventory	No
Prescripti Specs: Next Step Treatmen	The tim grasses grasses	ing and fre versus fo	least once per entr equency of the burn rbs. Remove exoti , planting native ma	s will be b ics as nee	ased on ded by I	currents nerbiciding	needs of restor g or other meth	ation such as reduc ods. Maintain as n	ing woody encroa	achment or pro	omoting
Acceptab Regen:											
<u>Other</u> Comment	<u>.</u>										
Site Cond	lition: Start Date:	10/01/20	126								
	02017-Cut	11.9	4130 - Aspen	5	56	51-80	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Planting s Record	N
Prescripti Specs:	drumm		th no retention due t ec when writing sale						Use snowmobile	protection spe	
Next Step	spec. Monitor	ing Notur									
<u>Treatmen</u> <u>Acceptab</u> <u>Regen:</u> <u>Other</u> Comment	t <u>s:</u> e_Fully to	-	al Regen (Re-Inven		ny mixtu	ure of red	l maple, cherry	or pine.			
Acceptab Regen: Other Comment Site Cond Proposed	is: e Fully to : : ition: Start Date:	moderate	ly stocked aspen st		-	ure of red	l maple, cherry Harvest	or pine.	4133 - Aspen.	Planting	N
Acceptab Regen: Other Comment Site Cond Proposed 48 611	ts: e Fully to ition: Start Date: 02048-Cut	moderate 10/01/20 16.8	ly stocked aspen sta 026 4130 - Aspen	and with a	68	81-110	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Planting Record	N
Acceptab Regen: Other Comment Site Cond Proposed 48 611	ts: e Fully to ition: Start Date: 02048-Cut on Final ha	moderate 10/01/20 16.8 arvest star	ly stocked aspen st	and with a 9 etention is	68 mappe	81-110 d out in M	Harvest	Clearcut 52. Follow BMP G	Mixed Pine	Record	
Acceptab Regen: Other Comment Site Cond Proposed 48 611 Prescripti	<u>is:</u> <u>ition:</u> <u>Start Date:</u> 02048-Cut on Final ha trees do	moderate 10/01/20 16.8 arvest star	ly stocked aspen sta 026 4130 - Aspen ad with retention. Re	and with a 9 etention is	68 mappe	81-110 d out in M	Harvest	Clearcut 52. Follow BMP G	Mixed Pine	Record	
Acceptab Regen: Other Comment Site Cond Proposed 48 611 Prescripti Specs: Next Step Treatmen	<u>is:</u> <u>ition:</u> <u>Start Date:</u> 02048-Cut <u>on</u> Final ha trees do	moderate 10/01/20 16.8 arvest star own to 2 in	ly stocked aspen sta 026 4130 - Aspen ad with retention. Re	9 9 etention is ect all pine	68 mappe	81-110 d out in M harvest. L	Harvest IIFI along stand Jse drumming I	Clearcut 52. Follow BMP G og spec.	Mixed Pine	Record	
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Report 3 -- Treatments

S	Year of Entry: 2027
t a n Treatment Acres Stand Size Stand BA Treatmen d Name CoverType Density Age Range Type	nt Treatment Cover Type Age Habita Method Objective Structure Cut
50 61102050-Cut 9.5 42110 - Planted 8 64 111- Harvest Red Pine 140	st Overstory 4116 - Mixed N. Planting No Removal Hardwood - Record Aspen
Prescription Remove pine overstory from stand. Cut only aspen, cherry and red pine ov seed source. Leave retention along stand 106. Retention is already mapper red pine as seed source across the stand.	ver 4.5 inches in DBH. Protect all merchantable maple as extra
Next Step Treatments:	
<u>Acceptable</u> Fully stocked stand of Maple, cherry and aspen, with small pine component <u>Regen:</u>	t.
Other Comment:	
Site Condition:	
Proposed Start Date: 10/01/2026	
4 61102004-Cut 6.3 4130 - Aspen 6 64 111- Harves 140	st Clearcut 4139 - Aspen, Planting No Mixed Deciduous Record
<u>Prescription</u> Clearcut stand with no retention due to small size. Cut all trees down to 1 in <u>Specs</u> :	nch in DBH. Use drumming log spec.
Next Step Treatments:	
Acceptable Fully Stocked Aspen Stand with any mix of maple, cherry or pine.	
Regen:	
Other Comment:	
Site Condition:	
Proposed Start Date: 10/01/2026	
58 61102058-Cut 3.9 4139 - Aspen, 9 78 111- Harves Mixed Deciduous 140	st Seed Tree 4139 - Aspen, Planting No Mixed Deciduous Record
PrescriptionSeed tree cut stand with no retention due to small size of stand. Leave an aSpecs:Where there is aspen present clearcut those sections. Mark to leave large source for stand. Protect all pine advance regeneration in stand during har	crown maple trees, cherry trees or white pine trees as seed
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u>	
Acceptable Fully stocked stand aspen, with any mixture of maple, cherry, or pine. Regen:	
Other Comment:	
Site Condition: Survey Needed	
Proposed Start Date: 10/01/2026	

Report 3 -- Treatments

s	•		y mgi. onit		керо	11.5	reatments		Year of Entr		
t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
100	61102100-Cu	it 16.1	4130 - Aspen	6	50	51-80	Harvest	Clearcut	4139 - Aspen, Mixed Deciduou	Planting s Record	No
<u>Spec</u>	<u>s:</u> any v log sj	hite pine or	nds and leave stand oak within in stand						d is already mappe	ed out in MIFI.	
<u>Acce</u> <u>Rege</u>		Stocked as	pen stand with any	mixture of	sugar m	aple, red	maple white pir	ne or cherry.			
<u>Other</u> Comr	<u>í</u> ment:										
Site (Condition: S	urvey Neede	ed								
Propo	osed Start Da	<u>te:</u> 10/01/2	026								
65	61102065-Cu	it 16.3	4139 - Aspen, Mixed Deciduous	5	68	51-80	Harvest	Clearcut	4139 - Aspen, Mixed Deciduou	Planting s Record	No
<u>Preso</u> Spec	<u>s:</u> down	to 2 inches	ith retention. Leav in size. Green tree ection spec.								
<u>Next</u> Treat			·								
<u>Acce</u> <u>Rege</u>		Stocked as	pen stand with any	mixture of	sugar m	aple, red	maple or cherry	/.			
<u>Othei</u> <u>Comr</u>	<u>nent:</u>										
<u>Site (</u>	Condition: S	urvey Neede	ed								
Propo	osed Start Da	<u>te:</u> 10/01/2	026								
68	61102068-Cu	ıt 5.4	4111 - S.Maple, Hard Mast Association	6	78	81-110	Harvest	Selection	4116 - Mixed N. Hardwood - Aspen	Cutting Record	No
<u>Presc</u> Spec		stand to an a	average basal area	of 60. Re	move m	ulti stem t	trees first. Any	part of stand ther	e is aspen mark st	and harder to	promote
<u>Next</u> Treat	<u>Step</u> Moni ments:	oring, Natur	ral Regen (Re-Inve	ntory)							
<u>Acce</u> Rege		n, Red map	le sugar maple, che	erry are all	accepta	ble specie	es.				
<u>Other</u> Comr	-										
<u>Site (</u>	Condition: S	urvey Neede	ed								
<u>Propo</u>	osed Start Da	<u>te:</u> 10/01/2	026								
71	61102071-Cu	it 5.2	4130 - Aspen	5	52	1-50	Harvest	Clearcut	4139 - Aspen, Mixed Deciduou	Planting s Record	No
Preso Spec			nds and do not leav DBH during harves					s. Do not cut any c	oak within in stand.	Protect all m	aple 6
	<u>Step</u> ments:										
<u>Acce</u> Rege		Stocked asp	pen stand with any	mixture of	sugar m	aple, red	maple, cherry c	or oak is acceptabl	e.		
<u>Other</u> Comr											
<u>Site (</u>	Condition:										
Propo	osed Start Da	<u>te:</u> 10/01/2	026								

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Report 3 -- Treatments

a Treatment Acros Stand CoverType Stand Density Age Age Range Treatment Treatment CoverType Method Age CoverType Age Structure Habitation 79 61102070- Shrub Plg 14.3 30.1 - Low Density Deciduous Trees 99 Openings Mgmt. Openings Mgmt. Zour Busice Trees Doesnity Provious Low Density No Prescription Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire Seasas: Seasas: Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire Provious State Data: No Mad Stein Comment: Seasas: 1001/2028 99 Openings Mgmt. Openings Mgmt. 3105 - Mixed Inventory Previous Inventory No Prescription Contract 60 61102080- Opening 4.6 310 - Herbaceous Opening 99 Openings Mgmt. Openings Mgmt. 3105 - Mixed Inventory No Prescription Contract Rescription Opening Act 310 - Herbaceous Opening 99 Openings Mgmt. Openings Mgmt. 3105 - Mixed Inventory No Prescription Freaction State Condition: Rescription Provious and forbs. fertilizing, buming, or	S t										Year of Entry	/: 2027	
Shrub Ptig Deciduous Trees Low Density Inventory Trees Prescription Spess. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire Spess. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire Spess. View Sien. Treatments: Acceptable Reagan: Other Opening Opening Opening Opening Opening Opening Opening Prescription Remove exolics as needed by herbiciding, or other methods. Seed in forage crop appropriat for site location and seasonal (i.e. summer vs. seeding of native grasses and forbs, fertilizing, burning, or removal of woody encreachment. Next Sign. Next Sign. Treatments: Acceptable Reagan: Other Commant: Site Condition: Prescription Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do Mixed Deciduous Second within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Spess: Indition; Principal price or ask within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec.	n			Acres								-	
Spess: cages or tubex. Next Step. Treatments: Acceptable. Regen: Other Comment: Site Condition: Preposed Start Date: 10/01/2026 80 61102080- Opening 4.6 310 - Herbaceous 99 Openings Mgmt. 0penings Mgmt. 3105 - Mixed Upland Inventory No Prescription Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. Spess: winer forage) wildlife uses. May wantheed to work around existing beneficial vegetation (i.e. blackberry). Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Next Step. Treatments: Acceptable. Regen: Other Comment: Site Condition: Prescription Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or cak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Use drumming log spec. Next Step. Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Regan: Other Comment: Site Condition: Survey	79			14.3	,	99			Openings Mgmt.	Openings Mgmt.	Low Density		No
Treatments: Acceptable. Resen: Other Comment: Site Condition: Procesed Start Date: 10/01/2026 80 61102080- 4.6 310 - Herbaceous 99 Openings Mgmt. Openings Mgmt. 3105 - Mixed Previous No Upland Inventory Herbaceous 99 Openings Mgmt. Openings Mgmt. 3105 - Mixed Previous No Special contraction Opening Opening Opening Inventory Herbaceous Prescription Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. Special winter forage) wildlife uses. May want/need to work around existing beneficial vegetation (i.e. blackberry). Maintain as needed with moving, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Naintain as needed with moving, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Next Stein Comments: Comments: Acceptable. Regen: Mixed Declouous No Breacription Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do Specs. No cort ut any white pine or cak within in stand. Protect all maple 6 i					appropriate native sh	rubs and/	or mast	producinę	g trees for wildlife	e food and cover.	Fertilize plantings	and protect w	ith wire
Regen: Other Comment: Site Condition: Proposed Start Date: 10/01/2026 80 61102080- Opening A.6 310 - Herbaceous 99 Openings Mgmt. Openings Mgmt. 3105 - Mixed Upland Inventory No Prescription Specs: Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Next Step. Treatments: Acceptable. Regan. Other Charter Comment: Site Condition: Prescription Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or oak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Use drumming log spec. Next Step. Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or oak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Use drumming log spec. Next Step. Monitoring. Natural Regen (Re-Inventory)<	-												
Comment: Site Condition: Proposed Start Date: 10/01/2026 80 61102080- Opening 4.6 310.5 - Hizka Previous Upland Upland No Upland Herbaceous No Prescription Specs: Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Naintain as needed with mowing. Next Step Treatments: Acceptable Regen: Stet Condition: Previous University of the Stet Stet Stet Stet Stet Stet Stet	_												
Proposed Start Date: 10/01/2026 80 61102080- Opening 4.6 310 - Herbaceous 99 Openings Mgmt. Openings Mgmt. 3105 - Mixed Upland Inventory Previous Inventory No Prescription Specs: Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Naintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Next Step. Treatments: Acceptable Regen: Quantity Remove exotics as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. No Site Condition: Proposed Start Date: 10/01/2026 No 84 61102084-Cut 81.2 4139 - Aspen, Mixed Deciduous Planting Record No Prescription Specs: Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or cak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Use drumming log spec. Next Step. Use drumming. Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Regen: Cherrication: Survey Needed Survey Needed													
80 61102080- Opening 4.6 310 - Herbaceous 99 Openings Mgmt. Openings Mgmt. 3105 - Mixed Upland Inventory Herbaceous Previous Inventory Herbaceous No Prescription Spects: Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Next Step. Treatments: Acceptable Regen: Cher Comment: Site Condition: Previous 9 62 51-80 Harvest Clearcut 4139 - Aspen, Mixed Deciduous Planting No Mixed Deciduous No Prescription Sue condition: Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or oak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Next Step. Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Regen: Chert Comment: Site Condition: Survey Needed Survey Needed				10/01/5	2026								
Prescription Specs: Remove exotics as needed by herbiciding, or other methods. Seed in forage crop appropriate for site location and seasonal (i.e. summer vs. Specs): Specs: winter forage) wildlife uses. May want/need to work around existing beneficial vegetation (i.e. blackberry). Maintain as needed with mowing, seeding of native grasses and forbs, fertilizing, burning, or removal of woody encroachment. Next Step. Treatments: Acceptable Regen: Comment: Site Condition: Proposed Start Date: 10/01/2026 84 61102084-Cut 81.2 4139 - Aspen, Mixed Deciduous 9 62 51-80 Harvest Clearcut 4139 - Aspen, Mixed Deciduous No Prescription Specs: Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do specs: No Mext Step. Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Regen: Other Comment: Site Condition: Survey Needed		61102	2080-		310 - Herbaceous	99			Openings Mgmt.	Openings Mgmt.	Upland		No
Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/01/2026 84 61102084-Cut 81.2 4139 - Aspen, Mixed Deciduous 9 62 51-80 Prescription Spees: Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or oak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Use drumming log spec. Not cut any white pine or oak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Regen: Other Comment: Survey Needed Survey Needed	<u>Spec</u>	<u> 25:</u>	winter f	orage) wi	Idlife uses. May wan	nt/need to	work ard	ound exis	ting beneficial ve	getation (i.e. black	ite location and se berry). Maintain a	easonal (i.e. su as needed with	ummer vs. ו mowing,
Regen: Other Comment: Site Condition: Proposed Start Date: 10/01/2026 84 61102084-Cut 81.2 4139 - Aspen, Mixed Deciduous Prescription Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do Specs: No Rext Step. Monitoring, Natural Regen (Re-Inventory) Ireatments: Acceptable Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Regen: Other Comment: Survey Needed	-												
Comment: Site Condition: Proposed Start Date: 10/01/2026 84 61102084-Cut 81.2 4139 - Aspen, Mixed Deciduous Prescription Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or oak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Use drumming log spec. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Regen: Other Comment: Site Condition: Site Condition: Survey Needed	_												
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84 61102084-Cut 81.2 4139 - Aspen, Mixed Deciduous 9 62 51-80 Harvest Clearcut 4139 - Aspen, Mixed Deciduous Planting Record No Prescription Specs: Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or oak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Use drumming log spec. Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Acceptable Regen: Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Other Comment: Survey Needed				40/04/0	2000								
Mixed Deciduous Mixed Deciduous Record Prescription Specs: Final harvest stands and leave standard area retention. Retention pocket should be left were long lived hardwood species are present. Do not cut any white pine or oak within in stand. Protect all maple 6 inches or less in DBH during harvest. Use snowmobile trail protection spec. Use drumming log spec. Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Regen: Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Other Comment: Site Condition: Site Condition: Survey Needed													
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Treatments: Acceptable Fully Stocked aspen stand with any mixture of sugar maple, red maple or cherry. Regen: Other Comment: Site Condition: Site Condition: Survey Needed		CS:	not cut	any white	e pine or oak within ir								
Regen: Other Comment: Site Condition: Survey Needed			Monitor	ing, Natu	iral Regen (Re-Invent	tory)							
Comment: Site Condition: Survey Needed			Fully St	ocked as	pen stand with any n	nixture of s	sugar m	aple, red	maple or cherry.				
Proposed Start Date: 10/01/2026	<u>Site</u>	Conditior	<u>n:</u> Surv	vey Need	ed								
	Prop	osed Sta	rt Date:	10/01/2	2026								

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Report 3 -- Treatments

Compartment: 102 Year of Entry: 2027

t Treatment Acres Stand Coverype Size Density Stand Age BA Treatment Type Treatment Method Cover Type Objective Age Structure Hab Cover Hab 88 61102088- Shrub Pitg 3.9 30 - Low-Density Trees 99 Openings Mgmt. Openings Mgmt. Upenings Mgmt. Up	c			·, …g. ·		poi		meatments		Compartmen		
n Treatment Acres Stand BA Treatment Treatment Cover Type Age Hab 88 61102084 3.9 330 - Low-Density 99 Openings Mgmt. Openings Mgmt. 303 - Mixed Previous Low Density Previous	S t									Tear of Entr	y. 2021	
Shrub Ptg Trees Low Density Inventory Prescription Stress Plant site appropriate native shrubs, conifers, and/or mast producing trees for wildlife food and cover. May want to fertilize plantings and protect with wire cages or tubes. Next Step. Next Step. Inventory Inventory Regen: Other Step. Inventory Compliable Regen: Other Step. Inventory Prescription Plant site appropriate native shrubs, conifers, and/or mast producing trees for wildlife food and cover. May want to fertilize plantings and protect with wire cages or tubes. Next Step. Regen: Other Other Step. Planting N Prescription Out 2 rows leave 2 rows. Use cak wilt spec no exceptions to protect oak established in understory. Protect all seedlings outside the designated rows for cutting. Snowmobile protection spec should be used. Next Step. Next Step. Inger management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere Gamment. Step Condition: Survey Needed Prescription Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and Mixed Deciduous Record N Ste Condition: Nonitoring, Natural Regen (Re-Inventory) N	n		Acres								•	Habita Cut
Specs: protect with wire cages or tubex. Next Step. Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Stan Date: 10/01/2026 98 61102098-Cut 37.3 42100 - Planted 6 65 141- Harvest Thinning 411 - Northern Planting N Prescription Cut 2 rows leave 2 rows. Use oak will spec no exceptions to protect oak established in understory. Protect all seedlings outside the Specs: designated rows for cutting. Snowmobile protection spec should be used. Next Step. Treatments: Acceptable Sugar maple, red oak, red maple, cherry, aspen and white pine. Regen: Cuber Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere Commant: light conditions for the maple to thrive in. Follow up with an overstory removal in 10-20 yrs, by removing rest of rows. Site Condition: Survey Needed Proposed Stant Date: 1/001/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Mix	88		3.9		99			Openings Mgmt.	Openings Mgmt.	Low Density		No
Treatments: Acceptable, Regan: Other Comment: Site Condition: Proposed Start Date: 10/1/2026 98 61102098-Cut 37.3 42100 - Planted 6 65 141 - Harvest Thinning 411 - Northern Planting N Prescription Cut 2 rows leave 2 rows. Use cak wilt spec no exceptions to protect cak established in understory. Protect all seedlings outside the Specs: designated rows for cutting. Snowmobile protection spec should be used. Next Step Creatments: Acceptable Sugar maple, red oak, red maple, cherry, aspen and white pine. Regen: Quite to only the only the only the in. Follow up with an overstory removal in 10-20 yrs, by removing rest of rows. Site Condition: Surve Needed Proposed Start Date: 10/1/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Planting Mixed Deciduous Record N Prescription Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and Stepse: Mixed Deciduous Record N Prescription Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protec				,	conifers, a	ind/or m	ast prod	ucing trees for wild	dlife food and cove	er. May want to f	ertilize planting	is and
Regen: Other Other Comment: Site Condition: Proposed Start Date: Proposed Start Date: 10/01/2026 98 61102098-Cut 37.3 42100 - Planted 6 65 141 - Harvest Thinning 411 - Northern Planting N Prescription Cut 2 rows have 2 rows. Use oak wilt spec no exceptions to protect oak established in understory. Protect all seedlings outside the designated rows for cutting. Snowmobile protection spec should be used. Next Step. Next Step. Cut 2 rows have 2 rows, red maple, cherry, aspen and white pine. Regen: Nong term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere light conditions for the maple to thrive in. Follow up with an overstory removal in 10-20 yrs, by removing rest of rows. Site Condition: Surger Maple. Surger Maple. Proposed Start Date: 10/1/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Maring Mixed Deciduous Record Mixed Deciduous Rec												
Comment: Site Condition: Proposed Start Date: 10/01/2026 98 61102098-Cut 37.3 42100 - Planted 6 65 141 - Harvest Thinning 411 - Northern Planting N Prescription Cut 2 rows leave 2 rows. Use oak wilt spec no exceptions to protect oak established in understory. Protect all seedlings outside the designated rows for cutting. Snowmobile protection spec should be used. Next Step Treatments: Acceptable. Sugar maple, red oak, red maple, cherry, aspen and white pine. Regen: Other Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere Comment: Ight conditions for the maple to thrive in. Follow up with an overstory removal in 10-20 yrs, by removing rest of rows. Site Condition: Survey Needed Proposed Start Date: 10/1/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Planting Mixed Deciduous Record N Specs: Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and drumming log spec when writing sale up. N Next Step Monitoring, Natural Regen (Re-Inventory) Ireatiments: Acceeptable, Fully Stocked asp												
Proposed Start Date: 10/01/2026 98 61102098-Cut 37.3 42100 - Planted White Pine 6 65 141 - 170 Harvest Thinning 411 - Northern Hardwood Planting Record N Prescription Cut 2 rows leave 2 rows. Use oak wilt spec no exceptions to protect oak established in understory. Protect all seedlings outside the designated rows for cutting. Snowmobile protection spec should be used. Next Step. Next Step. Treatments: - - - - - - - - - - - - - - - - - - Notify and the providing some filtere comment. -	-											
98 61102098-Cut 37.3 42100 - Planted White Pine 6 65 141- 170 Harvest Thinning 411 - Northern Hardwood Planting Record N Prescription Specs: Cut 2 rows leave 2 rows. Use oak will spec no exceptions to protect oak established in understory. Protect all seedlings outside the designated rows for cutting. Snowmobile protection spec should be used. Next Step. Treatments: Acceptable. Sugar maple, red oak, red maple, cherry, aspen and white pine. Regen: Other Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere Comment: Ight conditions for the maple to thrive in. Follow up with an overstory removal in 10-20 yrs, by removing rest of rows. Site Condition: Survey Needed Proposed Start Date: 10/01/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Planting Mixed Deciduous N Prescription Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and drumming log spec when writing sale up. Next Step Monitoring, Natural Regen (Re-Inventory) N Teatments: Acceptable Regen: Fully Stocked aspen stand with any mixture of red maple or cherry. Regen: Fully Stocked aspen stand w	<u>Site</u>	Condition:										
White Pine 170 Hardwood Record Prescription Specs: Cut 2 rows leave 2 rows. Use oak wilt spec no exceptions to protect oak established in understory. Protect all seedlings outside the designated rows for cutting. Snowmobile protection spec should be used. Next Step. Treatments: Sugar maple, red oak, red maple, cherry, aspen and white pine. Regen: Sugar maple, red oak, red maple, cherry, aspen and white pine. Comment: Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere comment: Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere comment: Other Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere Comment: Sugar maple, red oak, red maple, cherry, aspen and white pine. Stite Condition: Survey Needed Econdition: Survey Needed Proposed Start Date: 10/01/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Maining N Next Step. Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and drumming log spec when writing sale up. Next Step. Nonitoring, Natural Regen (Re-Inventory) Nonitoring, Natural Regen (Re-Inventory) <td><u>Prop</u></td> <td>osed Start Date</td> <td><u>e:</u> 10/01/2</td> <td>026</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	<u>Prop</u>	osed Start Date	<u>e:</u> 10/01/2	026								
Specs: designated rows for cutting. Snowmobile protection spec should be used. Next Step. Treatments:	98	61102098-Cut	37.3		6	65		Harvest	Thinning		•	No
Next Step Treatments: Acceptable Regen: Sugar maple, red oak, red maple, cherry, aspen and white pine. Other Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere Comment: Other Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere Comment: Site Condition: Survey Needed Proposed Start Date: 10/01/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Planting Mixed Deciduous Nexord Prescription Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and Specs: Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Fully Stocked aspen stand with any mixture of red maple or cherry. Regen: Other Comment: Comment:	-								ned in understory.	Protect all seedli	ngs outside th	е
Other Comment: Long term management objective of hardwoods. Goal is to minimize damage to the existing regeneration while still providing some filtere light conditions for the maple to thrive in. Follow up with an overstory removal in 10-20 yrs, by removing rest of rows. Site Condition: Survey Needed Proposed Start Date: 10/01/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Planting Mixed Deciduous Record N Prescription Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and drumming log spec when writing sale up. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Fully Stocked aspen stand with any mixture of red maple or cherry. Regen: Other Other Comment: Stocked aspen stand with any mixture of red maple or cherry.	Trea Acce	tments: eptable_Sugar	maple, rec	d oak, red maple, ch	erry, aspe	n and wl	hite pine.					
Proposed Start Date: 10/01/2026 54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Planting Nixed Deciduous Necord	<u>Othe</u>	er Long t										e filtered
54 61102054-Cut 20.1 4130 - Aspen 5 56 51-80 Harvest Clearcut 4139 - Aspen, Mixed Deciduous Planting Record N Prescription Specs: Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and drumming log spec when writing sale up. N Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Fully Stocked aspen stand with any mixture of red maple or cherry. Regen: Other Comment: Comment: Comment:	<u>Site</u>	Condition: Su	vey Neede	ed								
Mixed Deciduous Record Prescription Specs: Clearcut stand leave standard area retention in stand. Cut all trees down to 2 inches in DBH. Use snowmobile protection spec and drumming log spec when writing sale up. Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Acceptable Regen: Fully Stocked aspen stand with any mixture of red maple or cherry. Other Comment: Other	Prop	osed Start Date	<u>e:</u> 10/01/2	026								
Specs: drumming log spec when writing sale up. Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Acceptable Regen: Fully Stocked aspen stand with any mixture of red maple or cherry. Other Comment: Other	54	61102054-Cut	20.1	4130 - Aspen	5	56	51-80	Harvest	Clearcut		0	No
Acceptable Fully Stocked aspen stand with any mixture of red maple or cherry. Regen: Other Comment: Comment:						stand. (Cut all tre	ees down to 2 incl	nes in DBH. Use s	snowmobile prote	ction spec and	1
Regen: Other Comment:		<u>Step</u> Monito	ring, Natu	ral Regen (Re-Inven	itory)							
Comment:	-	,	tocked as	pen stand with any r	mixture of	red map	le or che	erry.				
Site Condition:												
	<u>Site</u>	Condition:										
Proposed Start Date: 10/01/2026	<u>Prop</u>	osed Start Date	<u>e:</u> 10/01/2	026								

Approved Treatments:

37	61102037	'-Cut	17.5	42110 - Planted Red Pine	6	65	111- 140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
	escription Ic	e Storm I	Damag	e Salvage Harvest.	Cut all tree	s dama	aged from	the recent ice s	storm. Cut all tops	s up that are laying	on ground.	
	<u>xt Step</u> atments:											
	<u>ceptable</u> gen:											
<u>Oth</u> Co	<u>ner</u> mment:											
Site	e Condition:											

S	Ti	raverse Cit	y Mgt. Unit		Repo	rt 3 ⁻	Treatments		Compartme Year of Ent		
t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
Prop	osed Start Date	<u>e:</u> 05/01/2	025								

Total Treatment 535 Acreage Proposed:

Compartment: 102 Year of Entry: 2027



Thomas Peterson III: Examiner

Availability for Management

Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition	S
Acres	Available	With Condition	Not Available		21	5B	3D	3J	5E
676	538	121	17	Aspen	121			12	4
6	6	0	0	Bog					
35	35	0	0	Herbaceous Openland					
117	117	0	0	Low-Density Trees					
1	1	0	0	Marsh					
43	43	0	0	Mixed Upland Deciduous					
802	729	73	0	Northern Hardwood	5	68			
614	471	135	8	Red Pine	135		6		3
5	5	0	0	Sand, Soil					
75	75	0	0	Urban					
32	32	0	0	Water					
41	0	37	3	White Pine	37			3	
2,447	2,052	367	28	Total Forested Acres	299	68	6	16	7
	84%	15%	1%	Relative Percent					

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

1 Available 21: Survey needed 16 Unspecified Unspecified Unspecified Comments: 2 Unavailable 3J: Water quality/BMPs (stream, river, or lake) 10 3A: Conservation values incompatible with harvest at this time Unspecified Unspecified	fied Unspecified
2 Unavailable 3J: Water quality/BMPs 10 3A: Conservation values Unspecified Unspecified Unspecified Unspecified	
(stream, river, or lake) incompatible with	
haivest at this time	fied Unspecified
Comments: Buffer for Eagle Lake. Is mostly on a bluff. Also contains an access site.	

		e City Mgt. Unit son III: Examiner		Report 4 – Site Cor	nditions	Compartment: 102 Year of Entry: 2027	ATT NATURA CHINA DA
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	3A: Conservation values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
	Comments:						
4	Available	2I: Survey needed	37	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Available	2I: Survey needed	71	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	2I: Survey needed	135	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
		d is along a powerline cooridor ged for natural regen.	r and is	just not a good place to try	and maintain a red pine p	antation with all the vernal pond	ls as well. In the
8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
		d is along a powerline coorido ged for natural regen.	and is	just not a good place to try	and maintain a red pine p	antation with all the vernal pond	is as well. In the
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Compartment: 102



Thomas Peterson III: Examiner

Traverse City Mgt. Unit

10	Available	2I: Survey needed	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
11	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
12	Unavailable	3D: Recreational/scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Boat landing for Sta	arvation lake.					
13	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
14	Available	2I: Survey needed	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
15	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
16	Available	2I: Survey needed	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

		e City Mgt. Unit son III: Examiner		Report 4 – Site Cor	nditions	Compartment: 102 Year of Entry: 2027	DIR MATURE
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						
18	Available	2I: Survey needed	4	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
19	Available	5B: Maintain for regeneration purposes	68	Unspecified	Unspecified	Unspecified	Unspecified
С	omments:						

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

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

SCA Name SCA Category Detail Type Recommendation Acres

Comments

Report 7 – Stands

tan	d Level 4 Cover Type			Size Density			Acres Stand Age BA Range			lite	General Comments		
1	4130	- Aspen	I	Poletimb	er Well	12.5	36	1-50	N/A	A	2025 - Stand transitioned to pole stand this year of entry. 1989 -		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Stand was final harvested under 'North Crooked Lake Sale' (Sale #6 006-88).		
	Black Cherry	10	Pole	3		Wit	ch Hazel	Medium	5 - 10 feet	5 - 10 feet			
	Bigtooth Aspen	90	Sapling	5	36						-		
2	4116 - Mixed N.	Hardwood	- Aspen	Sawtimb	er Well	9.0	62	51-80	N/A	A	2025 - There are aspen clones throughout stand. Hardwood is clump		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	low quality. Lots of desirable advance regeneration.		
	Red Oak	2		8		Blac	ck Cherry	Low	10 - 20 feet	10 - 20 feet			
	Black Cherry	15		12		Irc	onwood	Low	10 - 20 feet	10 - 20 feet			
	Sugar Maple	15		12		E	Beech	Low	Variable	Variable			
	Red Maple	43		14	62	Sug	ar Maple	Low	Variable	Variable			
	Bigtooth Aspen	25		10	62	Re	d Maple	High	Variable	Variable			
3	4130 -	- Aspen	Po	oletimbe	Medium	22.2	46	51-80	N/A	A	2025 - Poor quality aspen stand off site aspen. Hold stand to avoid		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	green up issues this YOE.		
	Bigtooth Aspen	80	Seedling	7	46	Blac	ck Cherry	Medium	10 - 20 feet	10 - 20 feet			
	Black Cherry	20	Seedling	7		Quak	ing Aspen	Low	5 - 10 feet	5 - 10 feet			
4	4130 -	- Aspen	I	Poletimb	er Well	6.3	64	111-140	N/A	A	2025 - Fully stocked aspen stand.2007 - Stand was thinned under		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	timber sale ' Starvation Lake Pine' (Sale #61-085-07).2007 - Stand was third row thinned under timber sale ' Starvation Lake Pine' (Sale		
	Red Pine	10	Seedling	8	64	Blac	ck Cherry	Medium	10 - 20 feet	10 - 20 feet	#61-085-07).		
	Bigtooth Aspen	90	Seedling	9	64	Sug	ar Maple	Low	5 - 10 feet	5 - 10 feet			
						Re	d Maple	Low	5 - 10 feet	5 - 10 feet			
						Quak	ing Aspen	Medium	5 - 10 feet	5 - 10 feet			
						E	Beech	Medium	5 - 10 feet	5 - 10 feet			
						R	ed Oak	Low	5 - 10 feet	5 - 10 feet			
5	710 - S	and, Soil		Unspe	cifed	3.0					2025 - Active Well Site		
6	3301 - Low Densi	ty Deciduo	us Trees	Unspe	cifed	25.0			Yes	3	2025 - Scattered Black Cherry Trees throughout stand.		
7	42110 - Plar	nted Red P	ine	Unspe	cifed	55.9	4 1	mmature	N/A	A	2024 - Stand passed year 3 regeneration check on 10/3/2024. Stan has an estimated 764 TPA that are 99% free to grow.2022 - Stand		
	Canopy Species	% Cover	Size Class	DBH	Age						has passed its year 1 regeneration check on 10/25/2024. Stand has		
	Red Pine	98	Log	1	4						an estimated 832 TPA that are 99% free to grow.2022 - Stand was		
	Black Cherry	1	Log	1	4						planted to red pine 5/14/20242021 - Stand was site prep		
	Quaking Aspen	1	Log	1	4						sprayed2020 - Stand was trenched to plant red pine.2018 - Stand was final harvested under sale name 'Confusing Corners Mix' 61-13		
		· ·									17-01.		

Report 7 – Stands

Stand	d Level 4 C	71					Stand Age B				
8	4130	- Aspen	P	Poletim	er Well	18.1	57	51-80	N/A	,	2025 - Stand has a lot of desirable regeneration at this time. Remove
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	overstory next YOE or allow stand to run its course and naturally convert to hardwoods.
	Black Cherry	10		12		Sug	ar Maple	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	10	Seedling	8		Re	d Maple	Low	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	75	Seedling	8	57	E	Beech	Low	Variable	Variable	
	Basswood	5		10		Irc	onwood	Low	5 - 10 feet	5 - 10 feet	
9	42110 - Pla	nted Red Pi	ne P	Poletim	er Well	82.6	64	141-170	N/A	L.	2025 - Stand is sitting around an average basal area of 160. Stand
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	has fully stocked hardwood understory. 2007 - Stand was thinned under timber sale ' Starvation Lake Pine' (Sale #61-085-07).2007 -
	Red Pine	100		11	64	Blac	ck Cherry	Medium	10 - 20 feet	10 - 20 feet	Stand was third row thinned under timber sale ' Starvation Lake Pine
					·	Sug	ar Maple	Medium	5 - 10 feet	5 - 10 feet	(Sale #61-085-07).
						Re	d Maple	Medium	5 - 10 feet	5 - 10 feet	
						Bigto	oth Aspen	Medium	5 - 10 feet	5 - 10 feet	
						Irc	onwood	Medium	5 - 10 feet	5 - 10 feet	
						E	Beech	Medium	5 - 10 feet	5 - 10 feet	
	2201 Jaw Dara	ite : De sidues					ed Oak	Medium	5 - 10 feet	5 - 10 feet	
10 11	3301 - Low Dens 710 - S	ity Deciduou Sand, Soil	us Trees	Unspe		21.7 2.1	ed Oak	Medium	5 - 10 feet Yes		2025 - Scattered Black Cherry trees throughout stand. 2025 - Active well site.
	710 - S	,		Unspe		21.7	ed Oak 78	Medium 81-110			2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand
11	710 - S	Sand, Soil - Aspen		Unspe	ecifed	21.7 2.1 7.8			Yes		2025 - Active well site.
11	710 - S 4130	Sand, Soil - Aspen	S	Unspe	ecifed ber Well	21.7 2.1 7.8 Sub-Car	78	81-110	Yes N/A		2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand
11	710 - 5 4130 Canopy Species	Sand, Soil - Aspen % Cover	Size Class	Unspe Sawtimb	ecifed ber Well	21.7 2.1 7.8 Sub-Car Ret	78 nopy Species	81-110 Density	Yes N/A Avg. Height	Size	2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand
11	710 - S 4130 Canopy Species Red Maple	Sand, Soil - Aspen % Cover 35	Size Class Seedling	Unspe Sawtimt DBH	ecifed ber Well	21.7 2.1 7.8 Sub-Car Ret	78 nopy Species d Maple	81-110 Density Medium	Yes N/A Avg. Height 5 - 10 feet	Size 5 - 10 feet	2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand
11	710 - S 4130 Canopy Species Red Maple Paper Birch Bigtooth Aspen	Sand, Soil - Aspen % Cover 35 5	Size Class Seedling	Unspe Sawtimb DBH 8 8	ecifed her Well Age 78	21.7 2.1 7.8 Sub-Car Ret	78 nopy Species d Maple	81-110 Density Medium	Yes N/A Avg. Height 5 - 10 feet	Size 5 - 10 feet	2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand 72.
11 12	710 - S 4130 Canopy Species Red Maple Paper Birch Bigtooth Aspen	Sand, Soil - Aspen % Cover 35 60 Degraded	Size Class Seedling Seedling	Unspe Sawtimb DBH 8 8 8 10	ecifed eer Well Age 78 ecifed	21.7 2.1 7.8 Sub-Car Ret E	78 nopy Species d Maple	81-110 Density Medium	Yes N/A Avg. Height 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand 72. 2025 - One pipe sticking out of ground in center of well pad. No othe
11 12 13	710 - S 4130 Canopy Species Red Maple Paper Birch Bigtooth Aspen 3104 -	Sand, Soil - Aspen % Cover 35 60 Degraded ity Deciduou	Size Class Seedling Seedling us Trees	Unspe Sawtimb BB 8 8 8 10 Unspe Unspe	ecifed eer Well Age 78 ecifed	21.7 2.1 7.8 Sub-Car Ret E 2.1	78 nopy Species d Maple	81-110 Density Medium	Yes N/A Avg. Height 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet 5 - 10 feet	2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand 72. 2025 - One pipe sticking out of ground in center of well pad. No othe equipment on site during inventory. 2025 - Scattered cherry throughout stand. Stand has some topography. 2025 - Entire stand slopes down to stand 64. Do not harvest stand d
11 12 13 14	710 - S 4130 Canopy Species Red Maple Paper Birch Bigtooth Aspen 3104 - 3301 - Low Densi	Sand, Soil - Aspen % Cover 35 60 Degraded ity Deciduou	Size Class Seedling Seedling us Trees	Unspe Sawtimb 8 8 10 Unspe Gawtimb	ecifed eer Well I Age 78 ecifed	21.7 2.1 7.8 Sub-Car Rec 2.1 6.0 3.3	78 nopy Species d Maple Beech	81-110 Density Medium Low	Yes N/A Avg. Height 5 - 10 feet 5 - 10 feet Yes	Size 5 - 10 feet 5 - 10 feet	2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand 72. 2025 - One pipe sticking out of ground in center of well pad. No other equipment on site during inventory. 2025 - Scattered cherry throughout stand. Stand has some topography.
11 12 13 14	710 - S 4130 Canopy Species Red Maple Paper Birch Bigtooth Aspen 3104 - 3301 - Low Dens 42200 - Nate	Sand, Soil - Aspen % Cover 35 60 Degraded ity Deciduou	Size Class Seedling Seedling us Trees	Unspe Sawtimb 8 8 10 Unspe Gawtimb	ecifed er Well I Age 78 ecifed ecifed ecifed	21.7 2.1 7.8 Sub-Car Rea 2.1 6.0 3.3 Sub-Car	78 nopy Species d Maple Beech 78	81-110 Density Medium Low	Yes N/A Avg. Height 5 - 10 feet 5 - 10 feet Yes N/A	Size 5 - 10 feet 5 - 10 feet	2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand 72. 2025 - One pipe sticking out of ground in center of well pad. No othe equipment on site during inventory. 2025 - Scattered cherry throughout stand. Stand has some topography. 2025 - Entire stand slopes down to stand 64. Do not harvest stand d
11 12 13 14	710 - S 4130 Canopy Species Red Maple Paper Birch Bigtooth Aspen 3104 - 3301 - Low Dens 42200 - Natu	Sand, Soil - Aspen % Cover 35 60 Degraded ity Deciduou ural White F % Cover	Size Class Seedling Seedling us Trees	Unspe Sawtimb 8 8 10 Unspe Gawtimb	ecifed er Well I Age 78 ecifed ecifed ecifed	21.7 2.1 7.8 Sub-Car Rea 2.1 6.0 3.3 Sub-Car	78 nopy Species d Maple Beech Beech 78 78	81-110 Density Medium Low 81-110 Density	Yes N/A Avg. Height 5 - 10 feet 5 - 10 feet Yes N/A Avg. Height	Size 5 - 10 feet 5 - 10 feet Size	2025 - Active well site. 2025 - Retention for MacNeil Pond and long term retention for stand 72. 2025 - One pipe sticking out of ground in center of well pad. No othe equipment on site during inventory. 2025 - Scattered cherry throughout stand. Stand has some topography. 2025 - Entire stand slopes down to stand 64. Do not harvest stand d

Report 7 – Stands

Stand	d Level 4 C	over Type		Size Density	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
16	4130	- Aspen		Sapling Well	41.5	27	Immature	N/A	Ą	2025 - Fully Stocked aspen stand. Should be pole stand next YOE.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Cherry	10	Log	2	Wi	tch Hazel	Medium	5 - 10 feet	5 - 10 feet	
	Red Maple	5	Log	2						
	Bigtooth Aspen	85	Log	2 27						
17	4130	- Aspen	Po	oletimber Mediur	m 11.9	56	51-80	N/A	Ą	2025 - Stand is poorly stocked. Final Harvest stand to try to expand
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen component throughout stand.
	Black Cherry	15	Seedling	6	Bla	ck Cherry	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	70	Seedling	7 56	Qual	king Aspen	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	5	Seedling	6	Wi	tch Hazel	Low	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	10	Seedling	7						-
18	42110 - Pla	nted Red P	ine I	Poletimber Well	4.1	64	111-140	N/A	A	2025 - Stand has fully stocked understory at this time. Thin stand
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	when stand 55 is ready to thin again. 2007 - Stand was thinned under timber sale ' Starvation Lake Pine' (Sale #61-085-07).2007 -
	Red Pine	100		11 64	Bla	ck Cherry	Medium	10 - 20 feet	10 - 20 feet	Stand was third row thinned under timber sale ' Starvation Lake Pin
					Qual	king Aspen	Medium	5 - 10 feet	5 - 10 feet	(Sale #61-085-07).
					Su	gar Maple	Low	5 - 10 feet	5 - 10 feet	
					Re	ed Maple	Low	5 - 10 feet	5 - 10 feet	
				_		Beech	Medium	5 - 10 feet	5 - 10 feet	
					R	led Oak	Low	5 - 10 feet	5 - 10 feet	
19	4130	- Aspen		Sapling Well	6.0	17	Immature	N/A	A	2025 - Fully Stocked Aspen stand. 2008 - Stand was final harvested under timber sale 'Starvation Lake Aspen' (61-092-07).
	Canopy Species	% Cover	Size Class	DBH Age						under timber sale Starvation Lake Aspen (01-032-07).
	Black Cherry	10	Log	1						
	Red Maple	20	Log	1						
	Bigtooth Aspen	60	Log	1 17						
	Ironwood	10	Log	1						
20	4130	- Aspen	I	Poletimber Well	14.4	40	1-50	N/A	A	2025 - Stand transitioned to pole size stand this year of entry.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Black Cherry	10	Sapling	6 40	Bla	ck Cherry	Medium	10 - 20 feet	10 - 20 feet	
	Bigtooth Aspen	90	Sapling	6 40	Servicebe	erry (Juneberry) Low	10 - 20 feet	10 - 20 feet	
22	4130	- Aspen			65.6	36	51-80	N/A	Ą	2025 - A few scattered oak in stand. Lots of maple under aspen at
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	this time. 1989 - Stand was final harvested under sale name Starvation Lake' (Sale #61-009-88
	Black Cherry	10	Seedling	7	Re	ed Maple	High	Variable	Variable	
	Red Maple	10	Seedling	8						
	Bigtooth Aspen	80	Seedling	8 36						

Report 7 – Stands

											Year of Entry: 2027
Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Sit	e	General Comments
23	4130	- Aspen				15.5	17	Immature	N/A		2025 - Fully stocked aspen stand at this time.2008 - Stand was final
	Canopy Species	% Cover	Size Class	DBH	Age						harvested under timber sale 'Starvation Lake Aspen' (61-092-07).
	Bigtooth Aspen	90	Log	2	17						
	Black Cherry	10	Log	1							
24	4130	- Aspen	Po	oletimbe	r Mediu	m 7.8	42	1-50	N/A		2025 - Stand has some pole size aspen and some saplings size
	Canopy Species	% Cover	Size Class	DBH	Age						aspen. Poor quality cherry and aspen. A few vernal ponds scattere in the southwestern portion of the stand.
	Black Cherry	15	Seedling	8							
	Red Pine	5	Sapling	6							
	Red Maple	10	Seedling	8							
	Bigtooth Aspen	70	Seedling	8	42						
25	4116 - Mixed N.	Hardwood	- Aspen			29.8	68	1-50	N/A		2025 - Basal area varies from across stand from 0 -100. There are
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	several aspen clones scattered throughout stand. Maple clumpy po quality. Cherry more open grown and lower stocking in these areas
	Sugar Maple	10	Seedling	8		Bla	ck Cherry	Medium	Variable	Variable	
	Red Maple	25		12		Re	ed Maple	Low	Variable	Variable	
	Bigtooth Aspen	35		10	68						-
	Black Cherry	30		10							
26	4130	- Aspen				22.2	36	1-50	N/A		2025 - Stand has ironwood, maple and black cherry under aspen.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	Ironwood does dominate a few areas in stand. 1989 - Stand was final harvested under 'Blue Lake Trail' (Sale #61-057-87).
	Black Cherry	10	Sapling	6		Re	ed Maple	Medium	Variable	Variable	
	Red Maple	10	Sapling	6		Bla	ck Cherry	Medium	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	80	Sapling	6	36	Ire	onwood	Medium	Variable	Variable	
27	4130	- Aspen		Sapling	g Well	10.9	35	1-50	N/A		2025 - Stand transitioned into pole stand this year of entry.
	Canopy Species	% Cover	Size Class	DBH	Age						
	Bigtooth Aspen	100	Sapling	5	35						
29	4130	- Aspen		Sapling	g Well	13.5	27	Immature	N/A		2025 - A couple openings in stand. Stand has some topography.
	Canopy Species	% Cover	Size Class	DBH	Age						Were aspen is dominate it is fully stocked.
	Bigtooth Aspen	60	Log	2	27						
	Beech	20	Log	2							
	Black Cherry	20	Log	2							
30	122 - Roa	d/Parking L	ot	Unspe	cifed	2.2					2025 - Active Well Site
	4130	- Aspen				14.1	37	51-80	N/A		2025 - Stand has a few open areas in it. Aspen should expand in to
32											these after a final harvest. 1988 - Stand was final harvested under
32	Canopy Species	% Cover	Size Class	DBH	Age						
32	Canopy Species Black Cherry	% Cover 10	Size Class	DB H 8	Age						timber sale 'Conversion' (Sale# 61-050-87)
32			Size Class		Age						timber sale 'Conversion' (Sale# 61-050-87)

Report 7 – Stands

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Stan	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	e BA Range	e Mar	aged S	ite	General Comments
33	42110 - Pla	nted Red P	line			39.0	65	111-140		N/A		2025 - Stands has average basal area of 130 at this time. Stand has
	Canopy Species	% Cover	Size Class	DBH	Age							one die back pocket. Diameters still relatively small for this age of r pine.2020 - Stand was third row thinned under timber sale name
	Red Pine	100	Seedling	8	65							CO2 Crazy Red Pine (61-132-17).
34	4119 - Mixed No	orthern Har	dwoods			43.8	37	1-50		N/A		2025 - Some very large scattered red oak throughout stand. Stand
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Speci	ies Densi	ity Avg. H	eight	Size	has several aspen clones throughout it. Still a couple larch from original planting alive in stand. See below for stand history. 2005 -
	Red Oak	20	Sapling	5			onwood	Mediu		-	Variable	12/13/2005 This is a proposed old growth area. (Grieve) 3/23/05
	Red Oak	2		24		W	hite Pine	Lov	v < 5 f	eet	< 5 feet	Old experimental cut. This was first a clear cut of marginal hardwo
	White Pine	2		14								to see if European larch could be planted and out grow the sprout hardwoods. (Two larches were planted. One of Polish extraction 8
	Black Cherry	25	Sapling	5	37							hybrid between European & Japanese larch) About a week after th
	Sugar Maple	15	Sapling	5	37							larch was planted a late killer frost killed almost all of the planting.
	Red Maple	21	Sapling	5								With the experiment a failure before it even started, the next year o
	Bigtooth Aspen	15	Sapling	5								acorns were planted. (Grieve) 1994 PLANTED TO UNRCH,OAK HYBREDASPEN (Byres)
35	3104 -	Degraded				3.4						2025 - Active well Site
36	4112 - Maple, Beec	h, Cherry A	Association			60.8	72	51-80		N/A		2025 - Stand has several aspen clones throughout it. Timber is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Speci	ies Densi	ity Avg. H	eight	Size	poorer quality hardwoods. Stand is still pole size with very little to r saw logs at this time. Stand has rolling terrain.
	Ironwood	5	Seedling	6			Beech	Mediu	um 5 - 10	feet	5 - 10 feet	
	Sugar Maple	40	Seedling	7	72	Ir	onwood	Mediu	um 5 - 10	feet	5 - 10 feet	
	Red Maple	35	Seedling	7								-
	Bigtooth Aspen	10		12								
	Beech	10	Seedling	7								
37	42110 - Pla	nted Red P	line	Poletimb	er Well	16.4	65	111-140		N/A		2025 - Stand has an average basal area of around 130 at this time.
-	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Speci	ies Densi	ity Avg. H	eiaht	Size	Stands understory starting to fill in.2020 - Stand was row thinned in 2020.
	Red Pine	100	Seedling	8	65		ed Maple	Lov		-	5 - 10 feet	2020.
			0]		Beech	Lov	v < 5 1	eet	< 5 feet	
38	4133 - Aspe	en, Mixed P	rine Po	oletimber	Mediur	m 7.7	30	1-50		N/A		2025 - Stand has aspen clones throughout it. Larger white pine
	Canopy Species	% Cover	Size Class	DBH	Age							scattered in stand. Opening areas filling in with pine. Stand could transition into white pine stand next YOE.
	Bigtooth Aspen	45	Log	3	30							
	White Pine	15		16								
	White Pine	15	Log	1								
	Black Cherry	25	Pole	4								
39		- Aspen		Sapling		15.9	27	Immature	9	N/A		2025 - Fully stocked aspen stand.
	Canopy Species		Size Class		Age							
	Bigtooth Aspen	80	Log	3	27							
	Black Cherry	10	Log	2								
				2								

Report 7 – Stands

Stan	d Level 4 Co	over Type		Size Densit	ty A	cres	Stand Age	BA Range	Managed Si	te	General Comments
40	4130	- Aspen		Sapling We	ell 1	1.8	27	Immature	N/A		2025 - Aspen stand with some ironwood in it.
	Canopy Species	% Cover	Size Class	DBH Ag	je						
	Black Cherry	20	Log	2							
	Red Maple	20	Log	2							
	Bigtooth Aspen	60	Pole	4 27	7						
41	4112 - Maple, Beec	h, Cherry A	ssociation	Poletimber V	Vell 3	75.6	78	51-80	N/A		2025 - Beech is starting to fill in the understory. No desirable
	Canopy Species	% Cover	Size Class	DBH Ag	je Si	ub-Ca	nopy Species	5 Density	Avg. Height	Size	regeneration outside of aspen at this time. Stands basal area is sitting at an average of around 84.2022 - Stand was thinned under
	Sugar Maple	63		10 78	В		Beech	Medium	5 - 10 feet	5 - 10 feet	timber sale Lake Effect Hardwoods (Sale # 61-104-17).2015 -QD
	Red Maple	17		11		Ir	onwood	Low	5 - 10 feet	5 - 10 feet	plots were taken on this stand in 2013 for recon on beech and ash
	Paper Birch	4		10							volumes. Average BA is 117sqft/ac, 12 cords/ac & 3.5 mbf/ac = tota of 19 cords per/ac. Stand has some hilly terrain and was previously
	Basswood	16		10							a proposed old growth area.
42	4130	- Aspen	l	Poletimber V	Vell	3.3	27	1-50	N/A		2025 - Stand transitioned to pole stand this YOE.
	Canopy Species	% Cover	Size Class	DBH Ag	je						
	Red Maple	15	Log	2							
	Bigtooth Aspen	70	Sapling	5 27	7						
	Black Cherry	15	Log	2							
43	4130	- Aspen		Sapling We	ell	2.7	27	Immature	N/A		2025 - Fully Stocked Aspen Stand.
	Canopy Species	% Cover	Size Class	DBH Ag	je						
	Red Maple	20	Log	2							
	Bigtooth Aspen	80	Log	3 27	7						
44	500 -	Water		Unspecife	d 2	26.2			No		2025 - Eagle Lake.
45	500 -	Water		Unspecife	d	3.0			No		2025 - McNeil's Pond
48	4130	- Aspen			ŕ	9.3	68	81-110	N/A		2025 - Stand has private one side and bog on other side.
	Canopy Species	% Cover	Size Class	DBH Ag	je Si	ub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	18		12		W	hite Pine	Low	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	72		11 68	В						-
	White Pine	10		12							
49	4130	- Aspen			2	22.4	37	51-80	N/A		2025 - Stand Transitioned to pole size stand this YOE.1989 - Stand
	Canopy Species	% Cover	Size Class	DBH Ag	je						was final harvested under timber sale 'McNeils Pond' (Sale #61-002- 88).
	Bigtooth Aspen	100	Seedling	7 37	7						

Report 7 – Stands

Stan	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
50	42110 - Pla	42110 - Planted Red Pine					64	111-140	N/A	L.	2025 - Stand has fully stocked understory across most of stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	2022 - Stand was thinned in 2018 and had most of the aspen cut out
	Black Cherry	5	Seedling	8		E	Beech		5 - 10 feet	5 - 10 feet	•
	Red Maple	10	Seedling	8		Blac	k Cherry	Medium	Variable V	Variable	2015 - quite a bit of aspen and red maple mixed into overstory. NC
	Red Pine	85		12	64	Sugar Maple		Low	Variable	Variable	ins along the northern boundary. Tall and skinny red pine.
						Re	d Maple	Medium	Variable	Variable	
							oth Aspen	Medium	Variable	Variable	
51	42111 - Planted Dec	l Red Pine, iduous	Mixed	Sapling	l Well	15.0 15 I		Immature	N/A		2013 Stand was released sprayed 2012 Stand was planted 2011 - Stand was Trenched2010 - Stand was final harvested under timber
	Canopy Species	% Cover	Size Class	DBH Age							sale ' Starvation Lake Pine' (Sale #61-085-07).
	Black Cherry	10	Log	1							
	Red Pine	70	Log	1	15						
	Red Maple	10	Log	1							
	Quaking Aspen	10	Log	1							
52	6225	5 - Bog				5.6			No		2025 - Leatherleaf bog no trees in center of bog
53	42110 - Planted Red Pine					68.6	64	111-140	N/A		2025 - Stand is currently sitting at an average basal area of 133 at the
	Canopy Species	% Cover	Size Class	s DBH Age		Sub-Car	nopy Species	Density	Avg. Height	Size	time. Basal area ranged from 90 to 170. Stand seemed to have a lot of aspen cut out of stand on east side. 2007 - Stand was third row
	White Pine	2		12		Bigto	oth Aspen	Medium	10 - 20 feet	10 - 20 feet	thinned under timber sale ' Starvation Lake Pine' (Sale #61-085-07).
	Red Pine	98		11	64	Wh	ite Pine	Medium	Variable	Variable	
						Blac	k Cherry	Low	5 - 10 feet	5 - 10 feet	
						E	Beech	Medium	< 5 feet	< 5 feet	
54	4130	- Aspen	Po	oletimbe	Medium	n 20.1	56	51-80	N/A		2025 - Poor quality aspen stand. Final harvest stand to expand aspence to the stand to expand aspence to the stand to expand aspence to the stand stand to expand as the stand
	Canopy Species	% Cover	Size Class		Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Black Cherry	15	Seedling	6			ing Aspen	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	70	Seedling	7	56		ch Hazel	Low	5 - 10 feet	5 - 10 feet	-
	Red Maple	5	Seedling	6		Blac	k Cherry	Medium	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	10	Seedling	7							
55	42110 - Pla	42110 - Planted Red Pine Sawtimber Wel				18.7 72 1		111-140	N/A		2025 - Stand is currently sitting at an average basal area of 125.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	2020 - Stand was thinned under timber sale name CO2 Crazy Red
	Red Pine	100		13	72	E	Beech	Low	5 - 10 feet	5 - 10 feet	Pine (61-132-17).2007 - Stand was thinned under timber sale
						Re	d Maple	Low	5 - 10 feet	5 - 10 feet	Starvation Lake Pine' (Sale #61-085-07).1989 - Stand was row thinned under timber sale name 'Hideway Pine' (61-056-87).
					1	Diato	oth Aspen	Low	5 - 10 feet	5 - 10 feet	uninica andei unibei sale name i ndeway Fine (01-030-07).

Report 7 – Stands

											Year of Entry: 2027
Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed S	lite	General Comments
56	4130 - Aspen			Sapling	Well 5.3	5.3	17	Immature	N/A	١	2025 - Fully Stocked aspen stand. Snowmobile trailhead parking lot
	Canopy Species % Cover Size Class		DBH	H Age						in center of stand.2008 - Stand was final harvested under timber sale 'Starvation Lake Aspen' (61-092-07).	
	Black Cherry	10	Log	1	-						sale Starvation Lake Aspen (01-032-07).
	Red Maple	10	Log	1							
	Bigtooth Aspen	60	Log	1	17						
	Ironwood	20	Log	1							
57	4130	4130 - Aspen Sapling Well		5.7	17	Immature	N/A	١	2025 - Full stocked aspen stand.2008 - Stand was final harvested		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	under timber sale 'Starvation Lake Aspen' (61-092-07).
	Black Cherry	10	Log	1		R	ed Pine	Low	< 5 feet	< 5 feet	
	Red Maple	10	Log	1		Wi	tch Hazel	Medium	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	80	Log	1	17						
58	4139 - Aspen, I	Mixed Deci	duous			3.9	78	111-140	N/A	١	2025 - East / west portion of stand is more hardwoods. North / south
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	part of stand is more aspen / cherry
	White Pine	10		12		W	hite Pine	Low	Variable	Variable	
	Black Cherry	10		10		Bla	ck Cherry	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	40		12	78	R	ed Pine	Low	Variable	Variable	
	Bigtooth Aspen	40		12	78		Beech	Low	5 - 10 feet	5 - 10 feet	
59	42110 - Plar	nted Red Pi	ine	Poletimb	er Well	135.4	64	171-200	N/A	N N	2025 - Stand has an average basal area of 190 at this time. No
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	understory in east half of stand. Western part of stand has a full understory. Planted with stand 9, red pine has higher stocking in th
	Red Pine	100		11	64		Beech	Medium	5 - 10 feet	5 - 10 feet	stand. 2007 - Stand was thinned under timber sale ' Starvation Lake
						R	ed Oak	Low	5 - 10 feet	5 - 10 feet	Pine' (Sale #61-085-07).2007 - Stand was third row thinned under timber sale ' Starvation Lake Pine' (Sale #61-085-07).
61	122 - Road	/Parking Lo	ot	Unspe	cifed	9.2					2025 - Used by gas and oil facility fenced off
62	4191 - Mixed Upla Co	and Deciduo nifer	ous with	Poletimb	er Poor	4.1	40	1-50	N/A	A Contraction of the second se	2025 - Lots of pine seeding into stand. Pine is starting to out compet aspen in stand.
	Canopy Species	% Cover	Size Class	DBH	Age						
	Bigtooth Aspen	39	Sapling	5	40						
	White Pine	20	Sapling	5							
	Black Cherry	25	Sapling	5	40						
	Scotch Pine	6	Sapling	5							
	Red Pine	10	Sapling	5							
	3104 - [Degraded		Unspe	cifed	2.9					2025 - Active well site.
63											

Report 7 – Stands

Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
65	4139 - Aspen, Mixed Deciduous Pol			letimber	Medium	16.3	68	51-80	N/A	۱.	2025 - Stand is between snowmobile trail and Starvation Lk Rd.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Some scattered log sized trees. Stocking is variable.
	Red Oak	5	Seedling	8			ck Cherry	Low	5 - 10 feet	5 - 10 feet	
	Red Pine	10	Seedling	8		Re	d Maple	Medium	5 - 10 feet	5 - 10 feet	
	Black Cherry	25	Seedling	8		E	Beech	Low	5 - 10 feet	5 - 10 feet	
	Sugar Maple	10	Seedling	8							1
	Red Maple	10	Seedling	8							
	Bigtooth Aspen	40	Seedling	8	68						
66	3303 - Mixed L	ow Density	Trees	Unspe	cifed	3.0			Yes	3	2025 -Scattered Black Cherry Trees.
68	4111 - S.Maple, H	ard Mast As	ssociation			5.4	78	81-110	N/A	N N	2025 - Stand has a lot of multiple stems poor quality trees. Stand H
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	an old railroad grade running through it.
	Beech	10	Seedling	8		Irc	onwood	Low	5 - 10 feet	5 - 10 feet	
	Basswood	10	Seedling	8		E	Beech	Low	5 - 10 feet	5 - 10 feet	
	Sugar Maple	50		10	78						1
	Red Maple	20	Seedling	8							
	Bigtooth Aspen	10		10							
69	42111 - Planted Dec	Red Pine, iduous	Mixed			4.5	50	81-110	N/A	A	2025 - Stand is long term Retention pockets for stand 70.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	35	Seedling	7	50	Blac	ck Cherry	Medium	5 - 10 feet	5 - 10 feet	
	Red Pine	65		11	50						
70	42111 - Planted Dec	Red Pine, iduous	Mixed	Sapling	Well	103.1	13 I	mmature	N/A	۱.	2025. Stand does have some competition in spots. Stand is still fre to grow bout 10 foot tall t this time2013 - Stand was released
	Canopy Species	% Cover	Size Class	DBH	Age						sprayed2012 Stand was planted in spring2011 - Stand was trenched to plant red pine 2010 - Stand was final harvested under
	Bigtooth Aspen	10	Log	1							timber sale ' Starvation Lake Pine' (Sale #61-085-07).
	Red Pine	80	Log	1	13						
71	4130	- Aspen	Po	letimber	Medium	5.2	52	1-50	N/A	۱.	2025 - Aspen overstory with decent amount of maple coming in under
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen.
	Black Cherry	20	Seedling	8		Sug	ar Maple	Medium	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	80		10	52	Re	d Maple	Medium	10 - 20 feet	10 - 20 feet	
						Blac	ck Cherry	Medium	5 - 10 feet	5 - 10 feet	
						F	Beech	Low	5 - 10 feet	5 - 10 feet	

Report 7 – Stands

											Tear of Entry: 2021	
Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	te	General Comments	
72	4130		Sapling Well		10.4	7	Immature	N/A		2025 - Stand passed natural regeneration monitoring treatment.		
	Canopy Species	% Cover	Size Class	DBH	Age						2018 - Stand was final harvested in 2018.	
	Red Maple	35	Log	1								
	Paper Birch	5	Log	1								
	Bigtooth Aspen	60	Log	1	7							
73	4130	- Aspen		Poletimb	er Well	57.5	56	51-80	N/A	N/A 2025 - Nice quality Aspen stand. North side has desirab		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	B Density	Avg. Height	Size	in it. Hold stand for 10 years and then clearcut.	
	Bigtooth Aspen	80	Seedling	8	56	Sug	gar Maple	Medium	10 - 20 feet	10 - 20 feet		
	Basswood	10	Seedling	8								
	Quaking Aspen	10	Seedling	8								
76	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	67.7	88	111-140	N/A		2025 - Stand is currently sitting at an average basal area of 132.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	Stand is high quality hardwoods.2008 - Stand was thinned under Starvation Lake Road Hardwoods (Sale# 61-059-07).	
	Yellow Birch	5		10			Beech	Medium	5 - 10 feet	5 - 10 feet	Starvation Lake Road Hardwoods (Sale# 01-039-07).	
	Beech	5		10		Black	Raspberry	Low	5 - 10 feet	5 - 10 feet		
	Red Oak	3		14		In	onwood	Medium	5 - 10 feet	5 - 10 feet		
	Black Cherry	5		13		Sug	gar Maple	Low	5 - 10 feet	5 - 10 feet		
	Sugar Maple	67		14	88						1	
	Basswood	15		14								
77	4130	- Aspen		Sapling	Well	47.6	6	Immature	N/A		2025 - Stand passed it natural regeneration treatment. Stand is fully	
	Canopy Species	% Cover	Size Class	DBH	Age						stocked.2019 - Stand was final harvested under timbe sale 'Shoot Chute Aspen' (Sale #61-138-17).	
	Sugar Maple	10	Pole	3								
	Red Maple	20	Pole	3								
	Bigtooth Aspen	70	Log	1	6							
78	4112 - Maple, Beec	h, Cherry A	ssociation	Sawtimb	er Well	44.7	78	81-110	N/A		2025 - Stand has average basal area of 100 at this time. Stand has	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	large oaks scattered throughout it.2013 - Stand was thinned under sale 'Sun-Beech Hardwoods' (Sale # 61- 050-13).	
	Sugar Maple	52		12	78	Bla	ck Cherry	Medium	Variable	Variable		
	Red Maple	36		9		In	onwood	High	5 - 10 feet	5 - 10 feet		
	Beech	2		10			Beech	High	5 - 10 feet	5 - 10 feet		
	Red Oak	5		14							-	
	Black Cherry	5		11								
79	3301 - Low Densi	ty Deciduo	us Trees	Unspe	cifed	14.3			Yes		2025 - Opening is filling there are scattered aspen clones, black cherry, oak and red maple	
80	310 - Herbac	eous Open	land	Unspe	cifed	4.6			Yes		2025 - Stand has a Couple black cherry trees scattered throughout	
82	330 - Low-I	Density Tre	es	Unspe	cifed	6.5			Yes		2025 - Several aspen clones in stand. Opening is starting to fill.	

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Level 4 Co	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
4112 - Maple, Beec	h, Cherry A	ssociation	Sawtimb	er Well	7.8	82	51-80	 N/A	A	2025 - A small pocket of nice hardwoods amongst the large aspen
							Avg. Height	Size	stand.2020 Stand was thinned in 2020 'Shoot Chute Aspen'. Residual BA is around 80sqft/ac	
Red Maple	25		10	82	Irc	DNWOOD	Medium	5 - 10 feet	5 - 10 feet	
4139 - Aspen, Mixed Deciduous			Sawtimb	er Well	70.8	70.8 62	51-80	N/A	A	2025 - Aspen clones spread throughout stand. Hardwood is clumpy
Canopy Species	% Cover	Size Class	5 DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	low quality. Lots of desirable advance regeneration.
	15		12				Low	10 - 20 feet	10 - 20 feet	-
	8		12			ę.	Low	Variable	Variable	-
Red Maple	30		14		Suc	ar Maple	Low	Variable	Variable	-
Bigtooth Aspen	45		10	62		-	Hiah	Variable	Variable	
Red Oak	2		8			•	Low	10 - 20 feet	10 - 20 feet	
122 - Road	d/Parking Lc	ot	Unspe	cifed	2.7			Yes	8	2025 - Pflum Road
42110 - Planted Red Pine			Sawtimber Well		7.5	50	111-140	N/A	A	2025 - Stand is currently sitting around an average basal area of 130
Canopy Species	% Cover	Size Class	s DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	at this time.2020 - Stand was thinned for second time under timber sale: Shoot Chute Aspen (61-138-17).2005 - Stand was third row
Red Pine	100		10	50	Blac	ck Cherry	Low	5 - 10 feet	5 - 10 feet	thinned.
					Re	d Maple	Low	5 - 10 feet	5 - 10 feet	
					I	Beech	Low	Variable	Variable	
					R	ed Oak	Low	Variable	Variable	
3301 - Low Densi	ty Deciduou	is Trees	Unspe	cifed	9.8			Yes	6	2025 - Opening is filling in with scattered red maple and cherry
330 - Low-I	Density Tree	es	Unspe	cifed	11.1			Yes	5	2025 - Opening is filling in. West of snowmobile trail is almost a fore stand.
4130	- Aspen		Sapling	Well	15.2	28	Immature	N/A	Ą	2025 - Fully stocked aspen stand.
Canopy Species	% Cover	Size Class	s DBH	Age						
Black Cherry	10	Log	2							
Ironwood	10	Log	2							
Red Maple	10	Log	2							
Bigtooth Aspen	70	Log	2	28						
4130 - Aspen		Sapling Medium		4.0	14	Immature	N/A	A	2025 - Stand has some open pockets. Fully stocked were aspen is	
Canopy Species	% Cover	Size Class	5 DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cherry is more open grown.2011 Stand was final harvested under Sale 'Comp 102 09 Aspen' (Sale # 61-013-09).
Black Cherry	40	Pole	1		Haze	Inut (Spp.)	Low	5 - 10 feet	5 - 10 feet	
Bigtooth Aspen	60	Log	2	14						-
	4112 - Maple, Beec Canopy Species Basswood Sugar Maple Red Maple 4139 - Aspen, Canopy Species Black Cherry Bigtooth Aspen Red Oak 122 - Road 42110 - Plan Canopy Species Red Pine 3301 - Low Densi 3301 - Low Densi Canopy Species Red Pine 4130 Canopy Species Black Cherry Ironwood Red Maple Black Cherry A130 Canopy Species Black Cherry Ironwood Red Maple Black Cherry A130	4112 - Maple, Beech, Cherry A Canopy Species % Cover Basswood 15 Sugar Maple 60 Red Maple 25 41139 - Aspen, Mixet Decid 0 Canopy Species % Cover Black Cherry 15 Sugar Maple 8 Red Maple 30 Bigtooth Aspen 45 Red Oak 2 122 - Road/Parking Loc 42110 - Plantet Red Pin 100 3301 - Low Density Deciduou 3301 - Low Density Tree Black Cherry 10 Ironwood 10 Red Maple 10 Ironwood 10 Red Maple 10 Sigtooth Aspen 10 Ganopy Species % Cover Black Cherry 10 Ironwood 10 Red Maple 10 Bigtooth Aspen 70 Black Cherry 10 Bigtooth Aspen 70 Kathable 10 Red Maple 10	4112 - Maple, Beech, Cherry Association Canopy Species % Cover Size Class Basswood 15 Sugar Maple 60 Red Maple 25 4139 - Aspen, Mixet Decistous Canopy Species % Cover Size Class Black Cherry 15 Sugar Maple 8 Red Maple 30 Bigtooth Aspen 45 Red Oak 2 122 - Road/Parking Lot 122 Canopy Species % Cover Size Class Red Oak 2 42110 - Plantet Red Pine 100 Ganopy Species % Cover Size Class Red Pine 100 3301 - Low Density Deciduous Trees 3302 - Low-Density Trees Size Class Black Cherry 10 Log Ironwood 10 Log Red Maple 10 Log Black Cherry 10 Log Bigtooth Aspen 70 Log Black Cher	4112 - Maple, Beech, Cherry Association Sawimb Canopy Species % Cover Size Class DBH Basswood 15 10 Sugar Maple 60 10 Red Maple 25 10 4139 - Aspen, Mixet Deciduous Sawimb Canopy Species % Cover Size Class DBH Black Cherry 15 12 Sugar Maple 8 12 12 Sugar Maple 8 12 14 Biack Cherry 15 10 14 Bigtooth Aspen 45 10 14 Red Oak 2 10 8 10 Red Oak 2 5ize Class DBH Red Pine 100 10 10 3301 - Low Density Deciduous Trees Unspective 3301 - Low Density Trees Unspective Sayling Ganopy Species % Cover Size Class DBH Black Cherry 10 Log 2 Ironwood 10 Log 2 Red Maple	4112 - Maple, Beech, Cherry Association Sawtimber Well Canopy Species % Cover Size Class DBH Age Basswood 15 10 82 Basswood 15 10 82 Red Maple 60 10 82 At139 - Aspen, Wixed Deciduous Sawtimber Well Canopy Species % Cover Size Class DBH Age Black Cherry 15 12 12 12 Sugar Maple 8 12 14 14 Bigtooth Aspen 45 10 62 62 Red Oak 2 2 8 2 62 122 - Road/Parking Lot Unspecifed 60 10 50 42110 - Planted Red Pine Sawtimber Well 62 64 62 64 Age Pine 100 10 10 50 6 64	4112 - Maple, Beech, Cherry Association Sawtimber Well 7.8 Canopy Species % Cover Size Class DBH Age Basswood 15 10 10 Sugar Maple 60 10 82 Ind Red Maple 25 10 10 82 4139 - Aspen, Mixed Deciduous Sawtimber Well 70.8 Sub-Ca Ganopy Species % Cover Size Class DBH Age Black Cherry 15 12 12 Red Maple 30 14 Sub-Ca Bigtooth Aspen 45 10 62 Red Oak 2 10 62 122 - Road/Parking Lot Unspecifed 7.5 Canopy Species % Cover Size Class DBH Age 122 - Road/Parking Lot Unspecifed 7.5 Canopy Species % Cover Size Class DBH Age Red Pine 100 10 50 13301 - Low Density Deciduous Trees Unspecifed 11.1 3301 - Low Density Trees Sapling Well 15.2 <t< td=""><td>4112 - Maple, Beech, Cherry Association Sawtimber Well 7.8 82 Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Basswood 15 10 Beech Beech Sugar Maple 60 10 82 Beech 4139 - Aspen, Mixed Deciduous Sawtimber Well 70.8 62 Canopy Species % Cover Size Class DBH Age Beech Black Cherry 15 12 Beech Beech Sugar Maple 8 12 Beech Beech Red Maple 30 14 Sugar Maple Bigtooth Aspen 45 10 62 Red Maple Red Oak 2 8 Ironwood Ironwood 122 - Road/Parking Lot Unspecifed 2.7 Sub-Canopy Species Red Pine 100 10 50 Black Cherry Red Maple 3301 - Low Density Trees Unspecifed 11.1 Ironwood 11.1 4130 - Aspen Sapl</td><td>4112 - Maple, Beech, Cherry Association Sawtimber Well 7.8 82 51-80 Canopy Species % Cover Size Class DBH Age Basswood 15 10 Sugar Maple 60 10 82 51-80 Sub-Canopy Species Density 4139 - Aspen, Mixed Deciduous Sawtimber Well 7.8 62 51-80 Canopy Species % Cover Size Class DBH Age Biack Cherry Low Black Cherry 15 12 Black Cherry Low Black Cherry Low Bigtoth Aspen 45 10 62 Red Maple Low Bigtoth Aspen 45 10 62 Red Maple Low 122 - Road/Parking Lot Unspecifed 2.7 Sub-Canopy Species Density Red Pine 100 10 50 111-140 Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Sayling Meli 10 Low Black Cherry Low Red</td><td>4112 - Maple, Beech, Cherry Association Sawtimber Well 7.8 82 51-80 N// Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Basswood 15 10 Beech High 5 - 10 feet Ked Maple 25 10 7.8 82 51-80 N// 4139 - Aspen, Mixed Deciduous Sawtimber Well 7.8 62 51-80 N// Ganopy Species % Cover Size Class DBH Age Black Cherry Low Variable Black Cherry 15 12 Black Cherry Low Variable N// Red Maple 30 14 Super Maple Low Variable N// Red Oak 2 8 10 62 Red Maple Low Variable Black Cherry 10 Low Variable Inonwood Low 10 - 20 feet Red Oak 2 Other Saver Black Cherry Low</td><td>Atta: - Maple, Beech, Cherry Association Sawtimber Well 7.8 82 51-80 N/A Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Basswood 15 10 82 51-80 N/A Gamopy Species % Cover Size Class DBH Age Beech High 5 - 10 feet 5 - 10 f</td></t<>	4112 - Maple, Beech, Cherry Association Sawtimber Well 7.8 82 Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Basswood 15 10 Beech Beech Sugar Maple 60 10 82 Beech 4139 - Aspen, Mixed Deciduous Sawtimber Well 70.8 62 Canopy Species % Cover Size Class DBH Age Beech Black Cherry 15 12 Beech Beech Sugar Maple 8 12 Beech Beech Red Maple 30 14 Sugar Maple Bigtooth Aspen 45 10 62 Red Maple Red Oak 2 8 Ironwood Ironwood 122 - Road/Parking Lot Unspecifed 2.7 Sub-Canopy Species Red Pine 100 10 50 Black Cherry Red Maple 3301 - Low Density Trees Unspecifed 11.1 Ironwood 11.1 4130 - Aspen Sapl	4112 - Maple, Beech, Cherry Association Sawtimber Well 7.8 82 51-80 Canopy Species % Cover Size Class DBH Age Basswood 15 10 Sugar Maple 60 10 82 51-80 Sub-Canopy Species Density 4139 - Aspen, Mixed Deciduous Sawtimber Well 7.8 62 51-80 Canopy Species % Cover Size Class DBH Age Biack Cherry Low Black Cherry 15 12 Black Cherry Low Black Cherry Low Bigtoth Aspen 45 10 62 Red Maple Low Bigtoth Aspen 45 10 62 Red Maple Low 122 - Road/Parking Lot Unspecifed 2.7 Sub-Canopy Species Density Red Pine 100 10 50 111-140 Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Sayling Meli 10 Low Black Cherry Low Red	4112 - Maple, Beech, Cherry Association Sawtimber Well 7.8 82 51-80 N// Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Basswood 15 10 Beech High 5 - 10 feet Ked Maple 25 10 7.8 82 51-80 N// 4139 - Aspen, Mixed Deciduous Sawtimber Well 7.8 62 51-80 N// Ganopy Species % Cover Size Class DBH Age Black Cherry Low Variable Black Cherry 15 12 Black Cherry Low Variable N// Red Maple 30 14 Super Maple Low Variable N// Red Oak 2 8 10 62 Red Maple Low Variable Black Cherry 10 Low Variable Inonwood Low 10 - 20 feet Red Oak 2 Other Saver Black Cherry Low	Atta: - Maple, Beech, Cherry Association Sawtimber Well 7.8 82 51-80 N/A Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Basswood 15 10 82 51-80 N/A Gamopy Species % Cover Size Class DBH Age Beech High 5 - 10 feet 5 - 10 f

Report 7 – Stands

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Stand	d Level 4 C	Level 4 Cover Type			Acres	Stand Age E	BA Range	Managed Si	te	General Comments		
94	500 -	- Water		Unspecifed	1.0	L	Inspecified	No		2025 - Bog - with seasonal water in it.		
95	42110 - Pla	nted Red P	Pine	Poletimber Well	1.5	65	81-110	N/A		2025 - Most of this stand is within the TransCanada fence. Most of		
	Canopy Species	% Cover	Size Class	DBH Age						the timber is open grown timber. Leave for visual and sound buffer.		
	Red Pine	95	Seedling	8 65								
	White Spruce	5	Seedling	8								
96	4130	- Aspen		Sapling Well	22.1	14	Immature	N/A		2025 - Fully Stocked aspen stand.2011 - Stand was final harvested		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	under Sale 'Comp 102 09 Aspen' (Sale # 61-013-09).		
	Ironwood	5	Log	1	Wit	ch Hazel	Low	5 - 10 feet	5 - 10 feet			
	White Pine	2		15	Wł	nite Pine	Low	< 5 feet	< 5 feet			
	Black Cherry	15	Log	1				1		-		
	Red Maple	18	Log	1								
	Bigtooth Aspen	60	Log	2 14								
97	42110 - Pla	nted Red P	Pine	Unspecifed	55.4	4	Immature	N/A		2024 - Stand had year 3 regeneration check completed on 10/1/2024. Stand is estimated to be 823 TPA and is 98% free to grow.2022 -		
	Canopy Species		Size Class	DBH Age						Stand had first year regeneration check completed 10/25/2022. Stand		
	Black Cherry	2	Log	1 4						is estimated to be 843 Trees per acre and is currently 99% free to		
	Quaking Aspen	2	Log	1 4						grow.2022 - Stand was planted to red pine 5/13/20242021- Stand was site prep sprayed2020 - Stand was trenched by west LP		
	Red Pine	96	Log	1 4						skidder.2018 - Stand was Final Harvested and chipped in late summer of 2018. 'Confusing Corners Mix' 61-132-17-01.		
98	42100 - Plan	ted White I	Pine	Poletimber Well	37.3	65	141-170	N/A		2025 - Stand has fully stocked understory1998 - Stand was row		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	thinned cut 2 rows leave 2 rows. Under sale 'Sunset White Pine' (61- 012-97).		
	White Pine	100		9 65	Wł	nite Pine	Low	5 - 10 feet	5 - 10 feet			
					Quak	ing Aspen	Low	5 - 10 feet	5 - 10 feet			
						Beech	Low	5 - 10 feet	5 - 10 feet			
						ed Oak	Low	5 - 10 feet	5 - 10 feet			
					Re	d Maple	Low	5 - 10 feet	5 - 10 feet			
99	4199 - Other Mixe	d Upland D	Deciduous	Sawtimber Well	31.4	55	51-80	N/A		2025 - A couple aspen clones. White pine is seeding in from adjacent stand. Overstory trees are clumpy and poor quality. Stand is fully of		
	Canopy Species	% Cover	Size Class			nopy Species	-	Avg. Height	Size	desirable regeneration.		
	White Pine	5		15		nite Pine	Medium	5 - 10 feet	5 - 10 feet			
	Black Cherry	10		10		ar Maple	Medium	5 - 10 feet	5 - 10 feet	4		
	Red Oak	5		14	Re	d Maple	Medium	10 - 20 feet	10 - 20 feet			
	Sugar Maple	10		10								
	Red Maple	35		10 55								
	Bigtooth Aspen	35		10 55								

Report 7 – Stands

Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
100	4130	- Aspen		Poletim	ber Well	19.8	50	51-80	N/A	λ	2025 - Stands stocking level varies across it. Good stand to restart
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	and try to expand aspen clones.
	White Pine	5		15	_		ed Maple	Medium	10 - 20 feet	10 - 20 feet	
	Beech	3	Seedling	8			Beech	Low	10 - 20 feet	10 - 20 feet	
	Red Oak	2	Seedling	6					•		-
	Red Maple	20	Seedling	6							
	Bigtooth Aspen	70		9	50						
101	4130	- Aspen		Saplin	ng Well	14.2	14	Immature	N/A	١	2025 - Stand is fully stocked aspen stand.2011 Stand was final
	Canopy Species	% Cover	Size Class	DB	H Age						harvested under Sale 'Comp 102 09 Aspen' (Sale # 61-013-09).
	White Pine	2	Seedling	6							
	Red Maple	18	Log	1							
	Quaking Aspen	70	Log	1	14						
	Red Oak	10	Seedling	6							
103	4199 - Other Mixe	ed Upland D	eciduous P	oletimbe	er Medium	n 7.2	54	1-50	N/A	١	2025 - Stand is surrounded by pipelines and well sites.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	White Pine	10		15		W	hite Pine	Medium	10 - 20 feet	10 - 20 feet	
	Black Cherry	15	Seedling	8	54	Bla	ck Cherry	Low	10 - 20 feet	10 - 20 feet	
	Red Oak	15		8		Re	Red Maple		10 - 20 feet	10 - 20 feet	
	Sugar Maple	5		10		Beech		Low	10 - 20 feet	10 - 20 feet	
	Red Maple	20	Seedling	8							
	Bigtooth Aspen	35		9	54						
105	42210 - Na	tural Red Pi	ine	Poletim	ber Well	5.7	65	111-140	N/A	١	2025 - Access site for Starvation lake. Stand is a mix of red and wh
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	pine.
	White Pine	30	Seedling	8		W	hite Pine	Medium	5 - 10 feet	5 - 10 feet	
	Red Pine	65		9	65	Bigto	ooth Aspen	Low	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	5	Seedling	6							-
106	330 - Low-	Density Tre	es			8.8			No		2025 - Stand is large kettle hole. Appears to be water in bottom of stand. Stand has Black cherry and red pine seeding into it.
109	4110 - Sugar N	Aaple Assoc	ciation	Poletim	ber Well	157.3	78	51-80	N/A	N N	2025 - Stand is currently sitting at an average basal area of 80 at th
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	time. Beech is seeding in no desirable regeneration at this time.2016 - Stand was thinned as 'Pinched Saw Hardwood' (Sale #
	Black Cherry	9	Seedling	6		Ironwood		Low	5 - 10 feet	5 - 10 feet	61-055-13).
	Basswood	13		9			Beech	Low	5 - 10 feet	5 - 10 feet	
	Sugar Maple	72	Seedling	8	78						
	Red Maple	6		10							
110	122 - Roa	d/Parking Lo	ot	Unsp	ecifed	12.9					2025 - Oil and gas buildings in stand. Stand fenced off.
		č									

Report 7 – Stands

						Tear of Entry. 2027
Stand	Level 4 Cover Type	Size Density	Acres	Stand Age BA Range	Managed Site	General Comments
114	122 - Road/Parking Lot	Unspecifed	3.0		No	2025 - Starvation Lake Road.
401	3104 - Degraded	Unspecifed	2.7		No	2025 - Abandon well site. 1986 - well site was plugged in 1986.
402	3104 - Degraded	Unspecifed	1.9		No	2025 - Abandon well site
404	3104 - Degraded		3.0		No	2025 - Abandon well site. Plugged in 1984.
405	3104 - Degraded		2.4		No	2025 - Abandon well site. Plugged in 1978
406	3104 - Degraded	Unspecifed	1.6		No	2025 - Old oil well pad. Abandon well site. Knapweed. Well plugged in 1985.
407	3104 - Degraded		2.1		No	2025 - Old oil well pad.1990 - Abandon well site. Knapweed. well plugged in 1990.
408	122 - Road/Parking Lot	Unspecifed	8.4		No	2025 - County roads and pipelines
409	330 - Low-Density Trees	Unspecifed	1.6		No	2025 - Old well pad, well was plugged in the mid 80s. Trees are slowly filling in stand.
410	3301 - Low Density Deciduous Trees	Unspecifed	4.1		Yes	2025 - Scattered Larger trees, edges are filling in.
411	3104 - Degraded		2.8		No	2025 - Abandon well site. Well was plugged in 1999
412	3104 - Degraded	Unspecifed	2.3		No	2025 - Old oil well pad2003 - Abandon well site. plugged in 2003, in need of rehab. Stand data update not "managed oil/gas". Savoy is not responsible for additional surface restoration. R Merrick
413	122 - Road/Parking Lot	Unspecifed	4.4			2025 - Active well pad.
417	122 - Road/Parking Lot	Unspecifed	3.0			2025 - Active well site
418	3104 - Degraded	Unspecifed	1.9		No	2025 - Decent amount of pine seeding intoold well pad, plugged in 1974
419	3303 - Mixed Low Density Trees	Unspecifed	2.5		No	2025 - Abandoned well site. Red pine seeding into stand.

Report 7 – Stands

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age BA Range	Managed Site	General Comments
421	3104 - Degraded	Unspecifed	1.5		No	2025 - Abandoned well site. ANR well site, well plugged in 2006, in need of rehab. Stand data updated not "managed oil/gas". ANR not responsible for additional surface restoration. R Merrick
422	122 - Road/Parking Lot	Unspecifed	29.4			2025 - Pipe line ROW & Sunset Trail road
423	3302 - Low Density Conifer Trees	Unspecifed	2.6			2025 - Abandon well site, plugged in 1978. Spruce trees planted south edge of stand.