

# Newberry Forest Management Unit<br/>Compartment Review PresentationCompartment #75Entry Year: 2013Compartment Acreage: 4314County: Chippewa

Revision Date: 9/14/11

Stand Examiner: Keith Magnusson

Legal Description: T45N R7W, Sections 21-27, 35, 36

**RMU (if applicable):** This compartment is located within the Sage Truck Trail Management Area. For further description of this management unit go to the following web site: <u>http://www.midnr.com/publications/pdfs/forestslandwater/Ecosystem/EUP/final-</u> <u>MAsummaries/26\_Sage\_Truck\_Trai\_%20MA\_summary.pdf</u>

**Management Goals:** Maintain forest productivity, forest health, species diversity, and age class diversity through silvicultural and natural processes of the area through proper management. Timber and wildlife habitat are both important management goals within the compartment. Treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat. Maintain and/or improve the integrity of the deeryard and surrounding area.

**Soil and Topography:** Topography consists of rolling upland areas to level wet lowland areas. The major soil type(s) associated with the lowland areas is Markey and Carbondale Mucks. Cover types supported on these muck soils include cedar, lowland swamp conifer, tamarack, and lowland black spruce. Narrow ridges of red pine and white pine are found throughout these cover types. The main upland soil type is Kalkaska sand, on which good quality northern hardwoods (maple) are found. In the "transition area" between the muck soils and the Kalkaska sand is an array of soils such as Allendale-Fibre complex, Wainola-Kinross-Rousseau complex, Croswell-Au Gres sands, Allendale-Croswell complex, Kinross-Au Gres complex and Biscuit very fine sandy loam. White pine, aspen, northern hardwoods and hemlock are cover types associated with this array of soils.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** The compartment is mostly made up of a continuous block of State ownership. The compartment's east boundary is the Hiawatha National Forest. There are some seasonal cabins along the east edge of the compartment boundary on the surrounding private parcels. There is one private hunting camp (Hendrie River Camp) on the private land parcel located in the northeast corner of the compartment boundary. Development within the compartment and surrounding area is limited due to the lowland nature of the area. Land use in the area is primarily deer hunting.

**Unique, Natural Features:** MNFI lists the potential for eagle, osprey, red-shouldered hawk, goshawk, great blue heron rookery. Potential wood turtle along creeks and rivers. Potential for incurvate emerald, frigga fritillary, freija fritillary and ebony boghaunter in open boggy areas. Potential for rare plants of rich mesic forests: Assiniboia sedge, showy orchis, ginseng, and goblin fern. Potential for English sundew, northern prostrate clubmoss, alga pondweed, Wiegand's sedge, sweet colts-foot, and autumnal water star-wort in bogs. Potential for Canada ricegrass and western moonwort in dry grassy openings.

Archeological, Historical, and Cultural Features: Nothing listed.

**Special Management Designations or Considerations:** A large area of the compartment south of the Hendrie River was designated as potential old growth in the last year of entry inventory. This was due to the lack of good access in this portion of the compartment. This will need to be discussed at the reviews of this inventory cycle as to keeping the designation or removing it.

## Watershed and Fisheries Considerations:

### Fisheries Values: Minimal

*Fisheries Concerns:* The Hendrie River in this compartment is a warm transitional river. The treatments along the river have limited access. If bridging the river is required then minimal to zero bank erosion would be required. Adjacent prescribed treatment areas should have appropriate BMP's followed at all times.

**Wildlife Habitat Considerations:** Compartment 75 lies in western Chippewa county and is in the Seney Sand Lake Plain ecological sub-subsection. The compartment lies within the Hendrie River Deer yard which supports high numbers of deer during stressful winter periods. The majority of the compartment is comprised of a mix of lowland and mixed conifer types and spruce stands with the northern portion containing a bit more upland types with mixed deciduous, aspen and northern hardwoods. Stands are very diverse in the compartment supporting many varied wildlife species. The railroad tracks border the western edge of the compartment and the Hendrie river runs through the central portion of the compartment serving as excellent wildlife travel corridors.

Harvests will be scheduled during winter to provide food sources for wintering deer which are a featured species in the compartment. Large diameter aspen and birch will occasionally be retained in aspen and upland harvested stands to provide food sources (ruffed grouse) and later snags and den trees for wildlife such as cavity nesting birds and coarse woody debris for marten (featured species) and small mammals. Large, super canopy white pine will be left as future eagle nest trees and as refuge trees for black bear (featured species).

# Mineral Resource and Development Concerns and/or Restrictions:

Sections 21-27 and 35 & 36, T45N-R7W, Chippewa County

Surface sediments consist of peat and muck and an end moraine of coarse-textured till. There is insufficient data to determine the glacial drift thickness. The Ordovician Stonington Formation, Big Hill Dolomite and Queenston Shale subcrop below the glacial drift. The Stonington and Big Hill could be used for stone. Fiborn Quarry is located three miles to the south. A gravel pit is located three miles to the north and potential appears good on the high ground in the northeast. There is no economic oil and gas production in the UP.

**Vehicle Access:** Vehicle access into compartment is poor. The only vehicle access is in the northern portions of the compartment that come from a two-track leading off of the Basnau Road to the north. There are some roads in along the eastern edges of the compartment but little in the way of decent access leading into the compartment. The western edges of the compartment are bordered by railroad tracks and lowland areas with no drivable roads.

**Survey Needs:** If timber harvest treatments occur, some survey corners will need to be established in sections 24, 25 and 36 where they interface with other landowners (see inventory map for what corners will be needed).

**Recreational Facilities and Opportunities:** Recreational opportunities would primarily include hunting (deer and grouse) as well as some fishing.

**Fire Protection:** Possibility of large fire growth would be low because of the lowland cover types. The lack of access routes and soft ground will make initial attack with heavy equipment challenging or impossible. Modified suppression tactics may need to be used on fires in the compartment.

# **Additional Compartment Information:**

- > The following reports from the Inventory are attached:
  - Total Acres by Cover Type and Age Class
  - ♦ Proposed Treatment Summary
  - Proposed Treatments No Limiting Factors
  - Proposed Treatments With Limiting Factors
  - Stand Details (Forested and Nonforested)
  - Dedicated and Proposed Special Conservation Areas
- > The following information is displayed, where pertinent, on the attached compartment maps:
  - Base feature information, stand boundaries, cover types, and numbers
  - Proposed treatments
  - Details on the road access system

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# Compartment 075 T45N, R07W, Sec. 21-27, 35, 36 County: Chippewa Unit: Newberry YOE: 2013 Acres: 4,314 GIS Calculated Stand Examiner: Keith Magnusson Map Revised: 10/31/2011 Map Phase: Pre-Review

Stand # Stocking 23 Density (412)0) - A7 Level 3 Ol Level 4 Code Cover Type Code

21

4 6120-C

22

27

0.5

# Stand Boundary Map

85°9'0"V

# Legend

- Miris Corners
- $\diamond$ Survey Corners
- Berms
- $\mathbf{X}$ Gates
- 台 Structures
- **Remonumented Section Corners**
- Railroads -----
- Culverts
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation) Closed Roads
- Stream
- Intermittent Stream Snowmobile Trail
- Stand Boundaries

# Forest Stands

- Level 3
- 411 Northern Hardwood
- 413 Aspen Types 419 Mixed Upland Deciduous

- 419 Mixed Opland Deciduous
  422 Natural Pines
  423 Other Upland Conifers
  429 Mixed Upland Conifers
  431 Upland Mixed Forest
  611 Lowland Deciduous Forest
- 612 Lowland Coniferous Forest
- 613 Lowland Mixed Forest

# Non-Forest Stands

- Level 3
- 330 Low-Density Trees 622 Lowland Shrub
- 623 Emergent Wetland







# Table 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

#### Keith Magnusson : Examiner





							Age	lass									
	HOL	A A A A A A A A A A A A A A A A A A A	6.1	61.0	6 <sup>2</sup>	63. 10	AL COL	Shine Contraction	69-190 190	10,10	00-00-00-00-00-00-00-00-00-00-00-00-00-	6	001.001	61101,	20 × 150	No Charles A	1810.
Aspen	0	29	0	11	0	0	0	0	16	51	0	0	0	0	0	108	ĺ
Cedar	0	0	0	0	0	0	0	0	0	174	27	665	0	0	0	865	
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	
Lowland Conifers	0	0	0	0	81	0	214	0	0	307	77	7	0	0	0	687	1
Lowland Deciduous	0	0	0	0	0	0	0	94	18	64	32	0	0	0	0	209	
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	21	0	0	0	14	35	
Lowland Shrub	760	0	0	0	0	0	0	0	0	0	0	0	0	0	0	760	
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	126	63	114	84	0	0	6	393	
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
Mixed Upland Deciduous	0	0	0	5	24	0	0	0	57	9	0	0	0	0	0	95	
Natural Mixed Pines	0	0	0	0	0	0	0	0	7	50	35	39	0	0	0	130	
Northern Hardwood	0	0	0	9	0	0	0	0	0	88	3	0	0	0	0	100	1
Paper Birch	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	1
Red Pine	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	
Tamarack	0	0	0	0	0	15	0	49	0	0	69	138	0	0	0	271	l
Treed Bog	146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146	l
Upland Conifers	0	0	0	0	30	0	0	0	0	123	188	0	0	0	0	341	
Upland Mixed Forest	0	0	0	0	6	0	0	0	0	59	72	0	0	0	0	138	
Total	936	29	0	26	141	15	214	143	228	988	641	933	0	0	20	4314	



# Table 2 – Proposed Treatment Summaries

MICHIGAN .	Newberry Mgt. Unit Year of Entry 2013										Compartment Total Compartment Acres:	075 4314
				Acres	s by T	reatm	ent Ty	ре				
	Commercial Harvest - 1409 Habitat Cut - 0	Site Prep - 0 Opening Maintena	ince - 0	T T	ree Pl ree Se	anting eeding	- 0 - 0		Presc Pestic	ribed Burn - 0 cide - 0	Other - 0	
				Cov	er Typ	be by H	larves	st Meth	nod			
			5	Col Col	ee co	Cool Loo	Necton of	initian or	to the city	Se S		
	Aspen		68	0	0	0	0	0	68			
	Lowland	Conifers	287	0	0	7	0	0	294			
	Lowland	Deciduous	109	0	0	0	0	0	109			
	Lowland	Mixed Forest	14	0	0	21	0	0	35			
	Lowland	Spruce/Fir	203	0	0	0	0	0	203			
	Mixed Up	bland Deciduous	37	0	0	28	0	0	65			
	Natural M	lixed Pines	0	0	32	88	0	0	120			
	Northern	Hardwood	0	88	0	0	0	0	88			
	Red Pine	)	0	0	0	4	0	0	4			
	Upland C	Conifers	150	0	0	141	0	0	291			
	Upland M	lixed Forest	0	0	0	131	0	0	131			
		Total	868	88	32	421	0	0	1409			

S t			New	vberry Mgt. Unit	Table 3 wi	Tre th No I	atments Pre _imiting Fac	escribed ctor	Compartment: 075 Year of Entry 2013	AND NATURE CHARLEN
a n d	Trea Na	tment ame	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
13	42075	013-Cut	32.2	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	90	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
<u>Pres</u> Spec	cription s:	Treat sta white pin food for o	nd by re e where deer usir	moving maple, birch, it does not impede lo ng nearby deer yards.	aspen, spruce and gging operations. L Stand would likely	balsam. eave sor need to	Leave cedar re ne yellow birch be treated in wi	etention pockets if they oc (1 tree/ 5 acres). Harves inter anyhow due to soil/te	cur. In addition leave a t stand in winter month errain issues.	all hemlock and s to provide
<u>Othe</u> Com	<u>r</u> ments:									
<u>Next</u> Step	<u>s:</u>	Monitor s	stand aft	er harvest for regener	ation. All species of	currently	present would b	be acceptable regeneratio	n.	
18	42075	018-Cut	71.9	4319 - Mixed Upland Forest	High Density Log	90	Harvest	Shelter Wood with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
Pres Spec	cription :s:	Shelterw tree /5 ac Harvest s soil/terra	vood sta cres). In stand in in issues	nd removing some main addition, leave some winter months to proves.	aple, birch and whit yellow birch (1 tree ide food for deer us	e pine. ( e/ 5 acres sing near	Cut all aspen, s s). Leave all he by deer yards.	pruce and balsam. Leave mlock and cedar. Residu Stand would likely need t	e some aspen and/or w lal BA of stand should l o be treated in winter a	hite birch (1 be approx. 60. nyhow due to
<u>Othe</u> <u>Com</u> <u>Next</u> <u>Step</u>	<u>r</u> ments: <u>s:</u>	Monitor s	stand aft	er harvest for regener	ation. All species of	currently	present would t	be acceptable regen.		
24	42075	024-Cut	5.0	4113 - R.Maple, Conifer	High Density Log	80	Harvest	Single Tree Selection	4113 - R.Maple, Conifer	Cmpt. Review Proposal
<u>Pres</u> Spec	cription :s:	Stand is help esta using nea	a mix of Iblish reg arby dee	log/pole sized timber generation. Residual er yards.	Selection cut reco BA should be appro	ommende ox. 70. L	ed, remove som eave all hemloo	ne of the maple componen ck. Harvest stand in winte	nt as well as the conifer er months to provide for	component to od for deer
<u>Othe</u> Com	<u>r</u> ments:									
<u>Next</u> Step	<u>s:</u>	Monitor s	stand aft	er harvest for regener	ation. Regeneratio	n of all s	pecies currently	/ present would be accept	able.	
26	42075	026-Cut	82.8	4113 - R.Maple, Conifer	High Density Log	80	Harvest	Single Tree Selection	4113 - R.Maple, Conifer	Cmpt. Review Proposal
Pres Spec	cription s:	Recomm hemlock. should be	iend a so In add e approx	election cut in stand to ition, leave some mat k. 70. Harvest stand in	o promote regen of ure trees of all spec n winter months to p	all specie cies prese provide fe	es currently pre ent as well as s ood for deer usi	sent as well as enhancing ome large white pine for s ing nearby deer yards.	y what is here already. supercanopy trees. Re	Leave all sidual BA
<u>Com</u> <u>Next</u> Step	<u>r</u> ments: s:	Monitor s	stand aft	er harvest for regener	ation.					
28	42075	028-Cut	20.5	6132 - Mixed Lowland Forest with Cedar	High Density Log	90	Harvest	Shelter Wood with Reserves	6132 - Mixed Lowland Forest with Cedar	Cmpt. Review Proposal
<u>Pres</u> Spec	cription s:	Treat sta Encouraç BA shoul	nd by re ge new r ld be ap	emoving red maple, sp regen and promote ex prox. 50.	ruce, balsam and y isting regen. Harve	ellow bir st stand	ch. Leave mos in winter month	t WP and all hemlock and to provide food for deer	d cedar and sub mercha using nearby deer yard	antable trees. ds. Residual
<u>Othe</u> Com	<u>r</u> ments:	NA- "	4 1 - C		attan D					
<u>Step</u>	<u>s:</u>	ivionitor s	stand aft	er narvest for regener	auon. Regeneratio	n of all s	pecies present	would be acceptable.		

Table 3 -- Treatments Prescribed Compartment: 075 Newberry Mgt. Unit Year of Entry 2013 with No Limiting Factor s t а Treatment Size Stand Treatment Treatment Cover Type n Acres Stage1 Approval Method Name Objective Status CoverType Density d Age Type 30 42075030-Cut 28.4 4191 - Mixed High Density Log 75 Harvest Shelter Wood with 4191 - Mixed Upland Cmpt. Review Proposal Upland Deciduous Reserves Deciduous with with Conifer Conifer Prescription Shelterwood stand to promote regeneration of all species present. Harvest aspen, spruce, balsam, paper birch. Selectively harvest upland Specs: hardwood species as well as some white pine. Leave all hemlock. Leave a component of aspen and/or birch (1 tree / 5acres), as well as some large white pine. Harvest stand in winter months to provide food for deer using nearby deer yards. Residual BA should be approx. 60. Other Comments: Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. Next Steps: 31 42075031-Cut 33.3 6128 - Lowland Medium Density 80 Harvest Clearcut with 6128 - Lowland Cmpt. Review Coniferous, Mixed Pole Reserves Coniferous, Mixed Proposal Deciduous Deciduous Prescription Harvest spruce, balsam, aspen, red maple, paper birch. Leave white pine, hemlock and cedar. Treat with adjacent stands if they are treated. Consider deer habitat concerns. Harvest stand in winter months to provide food for deer using nearby deer yards. Stand would likely need to be Specs: treated in winter anyhow due to soil/terrain issues. Other Do not treat stand if adjacent stands are not harvested. Comments: Monitor for regeneration. All species currently present would be acceptable regeneration. <u>Next</u> Steps: 42075035-Cut 103.4 429 - Mixed Upland Shelter Wood with 429 - Mixed Upland Cmpt. Review 35 High Density Log 80 Harvest Conifers Reserves Conifers Proposal Prescription Shelterwood stand removing some maple, birch and white pine. Cut all aspen, spruce and balsam. Leave hemlock and cedar. Leave super canopy white pine if they exist. Residual BA should be approx. 50. Harvest stand in winter months to provide food for deer using nearby deer Specs: yards. Stand would likely need to be treated in winter anyhow due to soil/terrain issues. Other Comments: Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. <u>Next</u> Steps: 36 42075036-Cut 8.6 6122 - Black Spruce High Density Pole 80 Harvest Clearcut with 6122 - Black Spruce Cmpt. Review Reserves Proposal Prescription Treat stand if surrounding stand is treated. Final harvest spruce, tamarack, balsam, paper birch, red maple. Leave all WP, cedar as well as submerchantable species. Specs: Other Comments: <u>Next</u> Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. Steps: 42075039-Cut 51.2 39 4134 - Aspen, Medium Density 80 Harvest Clearcut with 4134 - Aspen, Cmpt. Review Spruce/Fir Log Reserves Spruce/Fir Proposal Prescription Final harvest stand, leave any white pine, hemlock, cedar. Leave some mature aspen (1 tree / 5 acres), particularly along the Hendrie River. Specs: Harvest stand in winter months to provide food for deer using nearby deer yards. Other Comments: <u>Next</u> Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. Steps: **Total Treatment** 437.3 Acreage Proposed:

S t			Nev	vberry Mgt. Unit	Table 4	Treatm a Limit	ents Prescrik ing Factor	oed with	Compartment: 075 Year of Entry 2013	AND
a n d	Trea Na	tment ime	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41	42075	041-Cut	35.8	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	80	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
Pres Spe	<u>scription</u> cs:	Harvest	all pape	r birch, aspen, spruce	e, balsam poplar, rec	d maple b	alsam fir and tan	narack. Leave all whit	e pine, cedar and hemlo	ock.
<u>Othe</u> <u>Corr</u>	er iment:	Stand is west. Pr Hendrie stable ba improve/ effort.	blocked obably River ar anks and establis	by the Hendrie River the best option to acc ad finding a place to c d minimal wetland imp h roads across private	to the north, variou ess the stand for ha ross with a portable pact. It may be that e land as well as Fo	s landow rvesting bridge. there is r rest Serv	ners to the east, i operations would It will take some r not a good place ice Land to the ea	road-less areas to the be to use an old existi re-con to identify a loca for a bridge site. The ast to access the stand	south and railroad/wetla ng logging road on the r ation for a bridge site wh other possible alternativ d area. This too may tal	nds to the north side of the ere there is e would be to ke considerable
<u>Next</u> Step	<u>t</u> ) <u>s:</u>	Monitor s	stand af	ter harvest for regene	ration. All species of	currently	present would be	acceptable regenerati	on.	
<u>Limi</u> Trea	<u>ting Fact</u> atment R	or and No eason	<u>)</u> 2 N d	G: Blocked by physic lay be difficult to acce ifficult to access, no e	al obstacle ess for treatment. B existing roads, other	est acces landown	ss may involve a ers to deal with, s	portable bridge crossir seasonal issues with tr	ng the Hendrie River. S eating stand, deer yard	tand is currently area
43	42075	043-Cut	31.7	42290 - Natural Mixed Pine	Low Density Log	95	Harvest	Seed Tree with Reserves	42390 - Mixed Non- Pine Upland Conifers	Cmpt. Review Proposal
Pres Spec	<u>scription</u> cs:	Treat sta should b	ind by re e no mo	emoving jack pine, as re than 20.	pen, birch, spruce a	nd few re	ed/white pine with	the objective of estab	lishing regeneration. Re	esidual BA
<u>Othe</u> Corr	er iment:	Stand is west. Pr Hendrie stable ba improve/ effort.	blocked obably f River ar anks and establis	by the Hendrie River the best option to acc d finding a place to c d minimal wetland imp h roads across private	to the north, variou ess the stand for ha ross with a portable pact. It may be that e land as well as Fo	s landow rvesting o bridge. I there is r rest Serv	ners to the east, operations would It will take some r not a good place ice Land to the ea	road-less areas to the be to use an old existi re-con to identify a loca for a bridge site. The ast to access the stand	south and railroad/wetla ng logging road on the r ation for a bridge site wh other possible alternativ d area. This too may tal	nds to the north side of the ere there is e would be to ke considerable
<u>Next</u> Step	<u>t</u> ) <u>s:</u>	Monitor s	stand af	ter harvest for regene	ration. All species of	currently	present would be	acceptable regenerati	on.	
<u>Limi</u> Trea	ting Fact atment R	or and No eason	<u>p</u> 2 M d	G: Blocked by physic lay be difficult to acce ifficult to access, no e	al obstacle ess for treatment. B existing roads, other	est acces landown	ss may involve a ers to deal with, s	portable bridge crossir seasonal issues with tr	ng the Hendrie River. Se eating stand, deer yard	and is currently area
49	42075	049-Cut	16.5	4134 - Aspen, Spruce/Fir	High Density Log	75	Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal
Pres Spe	<u>scription</u> cs:	Treat wit hinderan	h final h ce to lo	arvest with the object gging operations.	ive of establishing r	egenerati	on. Leave white	pine and any hemlock	present as retention if r	not a
<u>Othe</u> Corr	er iment:									
<u>Next</u> Step	<u>t</u> ) <u>s:</u>	Monitor s	stand af	ter harvest for regene	ration. All species of	currently	present would be	acceptable regenerati	on.	
<u>Limi</u> Trea	ting Fact	<u>or and No</u> eason	<u>)</u> 2 a	A: Adjacent landowne	er denies					
			F	ermission will need to and leading to State la	b be granted by the and that will need im	private la proveme	ndowner to gain a nt, trees cut/trimr	access to the stand. T ned, etc. Area will nee	here is an old existing reed a formal survey as we	oad on private ell to es

S t			Ne	wberry	Mgt. Unit	Table 4 1	Γreatm a Limiti	ents Prescri ing Factor	bed with	Compartment: 075 Year of Entry 2013	DNR DNR
a n d	Treat Na	ment me	Acre	s C	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
50	420750	)50-Cut	83.7	6122 -	- Black Spruce	High Density Pole	105	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
Presc Specs	<u>ription</u> s:	Treated : 'no cut' p	stand v ockets	vith a fin for ced	al haverst. Cut ar retention whe	all spruce, tamaradere no logging is to e	ck, birch, occur.	maple and any	aspen. Leave white pi	ne and any hemlock pre	sent. Establish
<u>Other</u> Comn	nent:	Stand is west. Pr Hendrie stable ba improve/ effort.	blocke obably River a anks ar establi	d by the the bes and findir ad minim sh roads	Hendrie River to st option to acce ng a place to cro nal wetland impa s across private	o the north, various ss the stand for har oss with a portable act. It may be that land as well as For	a landown rvesting o bridge. I there is r rest Servi	ners to the east, operations would t will take some not a good place ice Land to the e	road-less areas to the d be to use an old exist re-con to identify a loca for a bridge site. The east to access the stand	south and railroad/wetla ing logging road on the r ation for a bridge site wh other possible alternative d area. This too may tal	nds to the horth side of the ere there is would be to ke considerable
<u>Next</u> Steps	<u>:</u>	Monitor s	stand a	ifter harv	vest for regenera	ation. All species c	urrently	present would be	e acceptable regenerat	ion.	
<u>Limitir</u> <u>Treatr</u>	ng Facte ment Re	or and No eason	<u>)</u>	2G: Bloo May be difficult f	cked by physica difficult to acces to access, no go	l obstacle ss for treatment. Be bod existing roads,	est acces other lan	ss may involve a downers to deal	portable bridge crossi with, seasonal issues	ng the Hendrie River. St with treating stand, deer	and is currently yard
52	420750	)52-Cut	7.2	612 Conif D	8 - Lowland erous, Mixed Deciduous	Medium Density Log	105	Harvest	Shelter Wood with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
Presc Specs	<u>ription</u> s:	Treat sta and/or bi	nd wit rch (1	n a shelt tree / 5 a	terwood, removi acres). Leave I	ng some white pine nemlock and cedar	and all s as retent	spruce, balsam, tion. Residual E	maple and most birch A should be approx. 50	and aspen. Leave some ).	e mature aspen
<u>Other</u> Comn	nent:	Stand is west. Pr Hendrie stable ba improve/ effort.	blocke obably River a anks ar establi	d by the the bes and findin d minim sh roads	Hendrie River t to option to acce ng a place to cro nal wetland impa s across private	to the north, various ss the stand for har bass with a portable act. It may be that i land as well as For	s landowr rvesting o bridge. I there is r rest Servi	hers to the east, operations would t will take some not a good place ice Land to the e	road-less areas to the d be to use an old exist re-con to identify a loca for a bridge site. The east to access the stand	south and railroad/wetla ing logging road on the r ation for a bridge site wh other possible alternative d area. This too may tal	nds to the orth side of the ere there is e would be to ke considerable
<u>Next</u> <u>Steps</u>	<u>:</u>	Monitor s	stand a	ifter harv	vest for regenera	ation. All species c	urrently p	present would be	e acceptable regenerat	ion.	
<u>Limitir</u> <u>Treatr</u>	ng Facte nent Re	or and No eason	<u>)</u>	2G: Bloo May be difficult t	cked by physica difficult to acces to access, no ex	l obstacle ss for treatment. Be disting roads, other	est acces landowne	es may involve a ers to deal with,	portable bridge crossi seasonal issues with tr	ng the Hendrie River. Si eating stand, deer yard	and is currently area
53	420750	)53-Cut	59.4	43 Up	19 - Mixed land Forest	High Density Log	85	Harvest	Shelter Wood with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal
Presc Specs	ription <u>s:</u>	Shelterw some of cedar pre	ood st the wh esent a	and. Re ite pine. is retent	emove some of t Leave some m ion. Residual B	he maple overstory nature aspen and/or A should be approx	v to encou r birch (1 k. 50.	urage maple rep tree / 5 acres).	oduction. Remove asp Leave some super car	pen, spruce and balsam hopy white pine. Leave a	as well as all hemlock and
<u>Other</u> Comn	nent:	Stand is west. Pr Hendrie stable ba improve/ effort.	blocke obably River a anks ar establi	d by the the bes and findir ad minim sh roads	Hendrie River to to option to acce ng a place to cro nal wetland impa s across private	o the north, various ss the stand for har oss with a portable act. It may be that land as well as For	a landown rvesting o bridge. I there is r rest Servi	ners to the east, operations would t will take some not a good place ice Land to the e	road-less areas to the d be to use an old exist re-con to identify a loca for a bridge site. The east to access the stand	south and railroad/wetla ing logging road on the r ation for a bridge site wh other possible alternative d area. This too may tak	nds to the north side of the ere there is e would be to ke considerable
<u>Next</u> Steps	<u>:</u>	Monitor s	stand a	ifter harv	vest for regenera	ation. All species c	urrently p	present would be	e acceptable regenerat	ion.	
<u>Limitir</u> Treatr	ng Facto	or and No	<u>)</u>	2D: Roa	d needed	a fan her store ( E	4		a second sector in the state of the second		and in sum of
ncall		200011		iviay be difficult f	difficult to acces to access, no go	ss for treatment. Be ood existing roads,	est acces other lan	s may involve a downers to deal	with, seasonal issues	ng the Hendrie River. St with treating stand, deer	and is currently yard

S t			N	ewberry	Mgt. Unit	Table 4	Treatm a Limit	ents Prescril ing Factor	bed with	Compartment: 075 Year of Entry 2013	DNR DNR
a n d	Trea Na	tment me	Acre	s C	Stage1 overType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
54	42075	054-Cut	4.2	422 F	10 - Natural Red Pine	High Density Log	90	Harvest	Shelter Wood with Reserves	42210 - Natural Red Pine	Cmpt. Review Proposal
Pres Spe	<u>scription</u> cs:	Treat sta as misce	ind wit ellaneo	h a shelt us speci	erwood. Remo	ove some red pine a . Residual BA sho	and white uld be no	e pine as well as a more than 60.	all spruce and birch. Lo	eave some red and white	e pine as well
<u>Othe</u> <u>Con</u>	er iment:	Stand is west. Pr Hendrie I stable ba improve/ effort.	blocke obably River a anks ar establi	ed by the v the bes and findir nd minim ish roads	Hendrie River t option to according a place to cr al wetland imp across private	to the north, variou ess the stand for ha ross with a portable pact. It may be that a land as well as Fo	is landow arvesting bridge. there is l prest Serv	ners to the east, operations would It will take some in not a good place vice Land to the e	road-less areas to the be to use an old existi re-con to identify a loca for a bridge site. The ast to access the stand	south and railroad/wetla ng logging road on the r ation for a bridge site wh other possible alternative d area. This too may tal	nds to the north side of the ere there is e would be to ke considerable
<u>Nex</u> Ster	<u>t</u> )s:	Monitor s	stand a	after harv	est for regene	ration. All species	currently	present would be	acceptable regenerati	on.	
<u>Limi</u> Trea	ting Fact atment Re	or and No eason	<u>)</u>	2G: Bloc Stand is yard are	cked by physica currently diffic a, etc.	al obstacle ult to access, no ex	disting roa	ads, other landow	mers to deal with, seas	onal issues with treating	ı stand, deer
55	42075	055-Cut	38.6	4229 M	90 - Natural lixed Pine	High Density Log	106	Harvest	Shelter Wood with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
<u>Pres</u> Spe	<u>scription</u> cs:	Treat sta	ind wit	h a shelt	erwood. Remo	ove pine down to ap	oprox. 60	BA. Cut all spruc	e, paper birch and asp	en. May need to treat ir	n winter.
<u>Othe</u> <u>Con</u>	<u>er</u> 1ment:			<i>c</i>							
<u>Nex</u> Step	<u>[</u> ) <u>S:</u>	Monitor	stand a	atter harv	est for regene	ration. All species	currently	present would be	e acceptable regenerati	on.	
<u>Limi</u> Trea	ting Fact atment Re	or and No eason	<u>)</u>	2A: Adja access	icent landowne	r denies	nrivate la	undowner to gain	access to the stand. T	here is an old evisting r	and on private
				land lead	ding to State la	ind that will need im	proveme	ent, trees cut/trim	med, etc. Area will nee	ed a formal survey as we	ell to es
56	42075	056-Cut	8.9	6122 -	Black Spruce	High Density Pole	e 85	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
Pres Spe	<u>scription</u> cs:	Harvest a	all spru	uce, red i	maple, paper b	birch, balsam fir, an	d tamara	ck. Leave white p	pine, hemlock, yellow b	pirch and cedar as reten	tion.
<u>Othe</u> <u>Con</u>	er iment:	Stand is west. Pr Hendrie I stable ba improve/ effort.	blocke obably River a anks an establi	ed by the the bes and findir nd minim ish roads	Hendrie River t option to according a place to critical wetland imposition across private	to the north, variou ess the stand for ha ross with a portable act. It may be that e land as well as Fo	arvesting bridge. there is prest Serv	ners to the east, operations would It will take some in not a good place vice Land to the e	road-less areas to the be to use an old existi re-con to identify a loca for a bridge site. The ast to access the stand	south and railroad/wetla ng logging road on the r ation for a bridge site wh other possible alternative d area. This too may tal	nds to the north side of the ere there is e would be to ke considerable
<u>Nex</u> Ster	<u>t</u> ) <u>s:</u>	Monitor s	stand a	after harv	est for regene	ration. All species	currently	present would be	e acceptable regenerati	on.	
<u>Limi</u>	ting Fact	or and No	<u>)</u>	2G: Bloc	ked by physica	al obstacle					
Trea	atment Re	eason		May be o difficult t	difficult to acce to access, no g	ess for treatment. E lood existing roads,	Best acce other lar	ss may involve andowners to deal	portable bridge crossir with, seasonal issues	ng the Hendrie River. St with treating stand, deer	and is currently yard

S t		Ne	ewberry Mgt. Unit	Table 4	Treatm a Limit	ents Prescril ing Factor	bed with	Compartment: 075 Year of Entry 2013	ANATURA IN ATURA
a n d	Treatment Name	Acre	s Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
59	42075059-Cut	56.6	6122 - Black Spruce	High Density Pole	e 90	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
Presc Spece	<u>ription</u> Final har <u>s:</u> retention	vest a	II spruce and tamarack	with the objective c	of establis	hing regeneration	n. Leave all pine and a	any hemlock and cedar t	hat exists as
<u>Other</u> Comr	nent:								
<u>Next</u> Steps	Monitor s	stand a	after harvest for regener	ation. All species	currently	present would be	e acceptable regenerat	ion.	
<u>Limitii</u> <u>Treat</u> i	ng Factor and No ment Reason	<u>)</u>	2A: Adjacent landowner access Permission will need to land leading to State lan	r denies be granted by the nd that will need im	private la iproveme	ndowner to gain nt, trees cut/trim	access to the stand. T med, etc. Area will ne	There is an old existing re ed a formal survey as we	bad on private ell to es
65	42075065-Cut	8.1	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	e 80	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
Preso Spece	<u>ription</u> Final har s: white pin	vest st le, ced	tand, cut all paper birch, ar and any hemlock and	, spruce, aspen, ba d yellow birch as re	alsam fir, l tention.	lowland poplar ai	nd red maple with the o	bbjective of regeneration	. Leave all
<u>Other</u> Comr	nent:								
<u>Next</u> Steps	Monitor s	stand a	after harvest for regener	ation. All species	currently	present would be	e acceptable regenerat	ion.	
<u>Limitii</u> <u>Treat</u> i	ng Factor and No ment Reason	<u>)</u>	2D: Road needed Difficult stand to access yard issues, etc. Treat	s with surrounding stand if access is	owlands. created a	Currently no existence of the surrounding set	sting road. Issues to d stands are treated.	eal with such as stream	crossings, deer
66	42075066-Cut	20.1	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	e 80	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
Preso Spece	<u>ription</u> Final har <u>s:</u> hemlock	vest, c as ret	cut all birch, aspen, spru ention. Leave a compo	ice, balsam and tar ntent of mature bird	marack w ch and/or	ith the objective aspen (1 tree /	of regeneration; leave 5 acres) for wildlife hat	white pine, cedar and an bitat.	y possible
<u>Other</u> Comr	nent:								
<u>Next</u> Steps	Monitor s	stand a	after harvest for regener	ation. All species	currently	present would be	e acceptable regenerat	ion.	
<u>Limitii</u> <u>Treat</u> i	ng Factor and No ment Reason	<u>)</u>	2D: Road needed Stand is currently difficu yard area, etc. Treat st	ult to access, no ex and if surrounding	tisting roa stands ar	ids, other landow e treated.	mers to deal with, seas	conal issues with treating	stand, deer
68	42075068-Cut	16.9	42290 - Natural Mixed Pine	Medium Density Log	80	Harvest	Shelter Wood with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal
Presc Specs	<u>ription</u> Possiblty s: retention be no mo	/ treat . In ac ore tha	by with a shelterwood by ddition, leave a compon in 30.	y removing some r tent of mature bircl	ed and wi n and/or	hite pine, cut all j aspen (1 tree / 5	ack pine and spruce. acres) as they exist fo	Leave some red and whi r wildlife habitat. Residu	ite pine for Ial BA should
<u>Other</u> Comr	nent:								
<u>Next</u> Steps	Monitor s	stand a	after harvest for regener	ation. All species	currently	present would be	e acceptable regenerat	ion.	
<u>Limitii</u> <u>Treati</u>	ng Factor and No ment Reason	<u>)</u>	2D: Road needed Stand is currently difficu yard area, etc.	ult to access, no ex	isting roa	ids, other landow	mers to deal with, seas	onal issues with treating	stand, deer

S t			Ne	wberry Mgt. Unit	Table 4 1 a	Freatm a Limit	ents Prescri ing Factor	bed with	Compartment: 075 Year of Entry 2013	DNR DNR
a n d	Trea Na	itment ame	Acre	s Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
69	42075	069-Cut	38.3	6122 - Black Spruce	High Density Pole	85	Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal
Prese Spec	cription s:	Harvest all cedar	all blac and he	k spruce, red maple, pa emlock and some white	aper birch, aspen as pine/red pine as re	s well as tention.	some red and w	hite pine with the objec	ctive of obtaining regene	ation. Leave
<u>Othe</u> <u>Com</u>	<u>r</u> ment:	Stand is west. Pr Hendrie stable ba improve/ effort.	blocke obably River a anks ar establi	d by the Hendrie River the best option to acce nd finding a place to cru id minimal wetland impa sh roads across private	to the north, various iss the stand for har oss with a portable act. It may be that t land as well as For	s landow rvesting bridge. there is r rest Serv	ners to the east, operations would It will take some not a good place rice Land to the e	road-less areas to the l be to use an old exist re-con to identify a loc for a bridge site. The east to access the stan	south and railroad/wetla ing logging road on the r ation for a bridge site wh other possible alternative d area. This too may tal	nds to the north side of the ere there is e would be to ke considerable
<u>Next</u> Step	<u>s:</u>	Monitor s	stand a	fter harvest for regener	ation. All species c	urrently	present would be	e acceptable regenerat	ion.	
<u>Limit</u> Treat	ing Fac tment R	tor and No leason	<u>)</u>	2D: Road needed May be difficult to acces difficult to access, no go	ss for treatment. Be bod existing roads,	est acce other lar	ss may involve a ndowners to deal	portable bridge crossi with, seasonal issues	ng the Hendrie River. St with treating stand, deer	and is currently yard
71	42075	071-Cut	38.0	429 - Mixed Upland Conifers	High Density Log	98	Harvest	Shelter Wood with Reserves	429 - Mixed Upland Conifers	Cmpt. Review Proposal
Preso Spec	cription s:	Treat sta regenera	ind with	n a shelterwood by remo eave a compontent of r	oving some pine as mature birch and/or	well as aspen (	all red maple, as 1 tree / 5 acres) t	pen, spruce and balsai for wildlife habitat. Res	m with the objective of easidual BA should be mor	stablishing e than 40.
<u>Othe</u> <u>Com</u>	<u>r</u> ment:	Stand is west. Pr Hendrie stable ba improve/ effort.	blocke obably River a anks ar establi	d by the Hendrie River the best option to acce nd finding a place to cru d minimal wetland imp sh roads across private	to the north, various iss the stand for har oss with a portable act. It may be that i land as well as For	s landow rvesting bridge. there is r rest Serv	ners to the east, operations would It will take some not a good place rice Land to the e	road-less areas to the l be to use an old exist re-con to identify a loc: for a bridge site. The east to access the stan	south and railroad/wetla ing logging road on the r ation for a bridge site wh other possible alternativ d area. This too may tal	nds to the orth side of the ere there is e would be to ke considerable
<u>Next</u> Step	<u>s:</u>	Monitor s	stand a	fter harvest for regener	ation. All species c	urrently	present would be	e acceptable regenerat	ion.	
<u>Limit</u> Treat	<u>ing Fac</u> tment R	tor and No leason	<u>)</u>	2G: Blocked by physica Stand is currently diffic deer yard area, etc.	l obstacle ult to access, no go	od exist	ing roads, other I	andowners to deal with	n, seasonal issues with t	reating stand,
75	42075	075-Cut	12.9	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	70	Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal
Prese Spec	cription s:	Final har retention	vest w . In ac	th reserves. Cut aspen dtion, leave a compont	n, maple, birch, spru ent of mature birch	ice, bals and/or a	am with the obje spen (1 tree / 5 a	ctive of obtaining reger acres) for wildlife habita	neration. Leave WP and at.	cedar as
<u>Othe</u> <u>Com</u>	<u>r</u> ment:	Stand is to the we of the He is stable improve/ effort.	blocke est. Pr endrie I banks establi	d by the Hendrie River to bably the best option to River and finding a place and minimal wetland in sh roads across private	to the north, various o access the stand e to cross with a po npact. It may be tha land as well as For	s landow for harve rtable br at there i rest Serv	ners to the north esting operations idge. It will take s not a good plac rice Land to the e	and east, road-less ar would be to use an old some re-con to identify ce for a bridge site. The east to access the stan	eas to the south and rail d existing logging road o y a location for a bridge s he other possible alternat d area. This too may tal	road/wetlands n the north side site where there ive would be to ke considerable
<u>Next</u> Step:	<u>s:</u>	Monitor s	stand a	fter harvest for regener	ation. All species c	urrently	present would be	e acceptable regenerat	ion.	
Limit	ing Fac	tor and No	<u>)</u>	2G: Blocked by physica	l obstacle					
Ireat	tment R	eason		May be difficult to acces difficult to access, no ex	ss for treatment. Be kisting roads, other	est acce landown	ss may involve a ers to deal with,	portable bridge crossi seasonal issues with tr	ng the Hendrie River. Si reating stand, deer yard	and is currently area

Newberry Mgt. Unit Table 4 -- Treatments Prescribed with Compartment: 075 a Limiting Factor s Year of Entry 2013 t а Treatment Stand Treatment Treatment Cover Type Acres Stage1 Size Approval n Name CoverType Method Status Density Objective d Age Type 76 42075076-Cut 253.5 6129 - Mixed Medium Density 85 Harvest Clearcut with 6129 - Mixed Cmpt. Review Coniferous Lowland Log Reserves Coniferous Lowland Proposal Forest Forest Prescription Final harvest all spruce, tamarack, balsam fir, jack pine, aspen, paper birch and red maple. Leave all white pine, red pine, hemlock, cedar and Specs: yellow birch as retetention. May have leave pockets of cedar intact if cedar is too dense for logging operations to occur, establish these areas during sale prep if needed. Other Comment: Next Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. Steps: Limiting Factor and No 2D: Road needed **Treatment Reason** Difficult to access stand for treatment, the RR corridor would need to be crossed under permit of the RR company and new road would need to be constructed though stand. Quinn Creek flows adjacent and through portions of stand and would need to be conside 14 4 6132 - Mixed 6132 - Mixed Cmpt. Review 77 42075077-Cut High Density Pole 80 Harvest Clearcut with Lowland Forest with Reserves Lowland Forest with Proposal Cedar Cedar Prescription Final harvest, cut all birch, aspen, spruce, balsam and tamarack; leave white pine, cedar and any hemlock as retention. Specs: Other Comment: Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. Next Steps: 2D: Road needed Limiting Factor and No **Treatment Reason** Stand is currently difficult to access, no existing roads, other landowners to deal with, seasonal issues with treating stand, deer yard area, etc. 42075078-Cut 19.3 42290 - Natural 78 Medium Density 80 Harvest Shelter Wood with 42290 - Natural Cmpt. Review Mixed Pine Log Reserves Mixed Pine Proposal Prescription Treat by with a shelterwood by removing some red and white pine, cut all jack pine, spruce and most birch/aspen. Leave a compontent of mature birch and/or aspen (1 tree / 5 acres) for wildlife habitat. Leave some red and white pine as retention. Residual BA should be approx. of <u>Specs:</u> 30. Other Comment: <u>Next</u> Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. Steps: Limiting Factor and No 2D: Road needed **Treatment Reason** May be difficult to access for treatment. Best access may involve a portable bridge crossing the Hendrie River. Stand is currently difficult to access, no existing roads, other landowners to deal with, seasonal issues with treating stand, deer yard area 42075079-Cut 149.7 429 - Mixed Upland Medium Density 90 Clearcut with 429 - Mixed Upland Cmpt. Review 79 Harvest Conifers Log Reserves Conifers Proposal Prescription Treat stand with a final harvest. Cut all spruce, jack pine, aspen, red maple, paper birch as well as some red and white pine. Leave a compontent of mature birch and/or aspen (1 tree / 5 acres) for wildlife habitat. Leave some red an white pine as well as all cedar for retention. Specs: Other 0 Comment: Next Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. Steps: Limiting Factor and No 2D: Road needed **Treatment Reason** Difficult to access stand for treatment. If stand is accessed from the east there are various landowners to cross where there is no existing roads. If coming from the west, the RR corridor would need to be crossed under permit of the RR company and new

Newberry Mgt. Unit

#### Table 4 -- Treatments Prescribed with a Limiting Factor

Compartment: 075 Year of Entry 2013

a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
83	42075083-Cut	13.3	42290 - Natural Mixed Pine	High Density Log	80	Harvest	Shelter Wood with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal

Prescription Possiblty treat by with a shelterwood by removing some red and white pine, cut all jack pine, spruce and any birch/aspen. Leave a compontent of mature birch and/or aspen (1 tree / 5 acres) as they exist for wildlife habitat. Leave some red and white pine as retention. Residual BA should be approx. 30.

Other Comment:

S

Next Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration.

 Steps:

 Limiting Factor and No

 Treatment Reason

 May be difficult to access for treatment. Best access may involve a portable bridge crossing the Hendrie River. Stand is currently difficult to access, no existing roads, other landowners to deal with, seasonal issues with treating stand, deer yard area

85	42075085-Cut	12.5	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	75	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription Treat stand by harvesting all red maple, aspen, paper birch, black spruce and balsam fir with the objective of obtaining regeneration. Leave all specs: red and white pine as well as any hemlock and cedar thay may exist for retention.

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Comment:
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Next Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration. Steps:

Limiting Factor and No 2D: Road needed

Treatment Reason Access is limited and would need road construction/improvement for logging operations to occur. Forest Service land as well as private land would need be crossed to access stand for treatment to occur.

88	42075088-Cut	8.9	4191 - Mixed	Medium Density	80	Harvest	Clearcut with	4191 - Mixed Upland	Cmpt. Review
			Upland Deciduous	Log			Reserves	Deciduous with	Proposal
			with Conifer					Conifer	

Prescription Final harvest all red maple, aspen, paper birch, spruce and balsam with the objective of regeneration. Leave all white pine, hemlock cedar and yellow birch as retention.

Other Comment:

Next Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration.

 Steps:

 Limiting Factor and No

 Treatment Reason

 Stand is currently difficult to access vard area, etc.

 Ireatment Reason
 Stand is currently difficult to access, no existing roads, other landowners to deal with, seasonal issues with treating stand, deer yard area, etc. Treat stand if surrounding stands are treated.

 93
 42075093-Cut
 6.8
 6122 - Black Spruce
 Medium Density
 80
 Harvest
 Clearcut with
 6122 - Black Spruce
 Cmpt. Review

Reserves

 Prescription
 Final harvest stand, cut all spruce as well any balsam, jack pine, paper birch, red maple with the objective of regeneration. Leave all white pine

 Specs:
 and any hemlock, cedar and yellow birch as retention.

Other Comment:

Next Monitor stand after harvest for regeneration. All species currently present would be acceptable regeneration.

Pole

 Steps:

 Limiting Factor and No

 Treatment Reason

 Currently no roads, Forest Service land is adjacent, lowland types around stand. Possibly treat if nearby pine ridge is treated and area is made accessible.

Proposal

<sup>&</sup>lt;u>Other</u>

S t		New	vberry Mgt. Unit	Table 4 1	Treatm a Limiti	ents Prescrib ing Factor	oed with	Compartment: 075 Year of Entry 2013	DNR DNR NO
a n d	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
98	42075098-Cut	15.7	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	75	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
Pres Spec	<u>cription</u> Final har s: hemlock	vest, cut adn ced	all red maple, paper ar as retention.	birch, aspen, spruc	ce anb ba	lsam with the obje	ective of regeneration.	Leave all whtie pine, re	ed pine and any
<u>Othe</u> <u>Com</u>	<u>r</u> ment:								
<u>Next</u> Step	Monitor s <u>s:</u>	tand afte	er harvest for regener	ation. All species of	currently p	present would be	acceptable regenerati	on.	
<u>Limit</u>	ing Factor and No	<u> </u>	D: Road needed						
Treat	tment Reason	Cı ar	urrently no roads, For ea is made accessible	est Service land is e.	adjacent,	lowland types are	ound stand. Possibly	treat if nearby stands ar	e treated and

Total Treatment Acreage Proposed: 971.3

#### Out of YOE -- Treatments Prescribed with No Limiting Factor



Treatment	Acres	Stage1	Size	Stand	Treatment	Treatment	Cover Type	Approval
Name		CoverType	Density	Age	Type	Method	Objective	Status
42045001-Cut	3.9	42210 - Natural Red Pine	High Density Log	89	Harvest	Seed Tree	42210 - Natural Red Pine	Cmpt. Review Proposal

Prescription Harvest site to imitate a catastrophic crown fire by "clear-cutting all but a patchy mosaic of pine trees and clumps of trees to serve as seed trees" <u>Specs:</u> (MNFI). Focus on the 8-18 inch DBH class. Residual BA 10-20 to allow for successful pine regeneration.

Other Comments: This stand is identified by MNFI as a Dry Northern Forest. Move some of the Hemlock and Yellow Birch logs into stand 34 for Hemlock regeneration nurse logs.

 Next
 Burn the harvested area in the spring to reduce slash, hardwood competition, and to expose the mineral soil. This should be done within 2-3

 Steps:
 years after the completion of any harvesting activities. If the site is not burned within the time frame, scarify site to promote pine regeneration. If scarification fails, plant red pine. Acceptable regeneration mix is RP and a small component of WP.

Total Treatment

Acreage Proposed: 3.9

S t	Newberr	Newberry Mgt. Unit			ested Sta	Inds Compartment: 075 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6129 - Mixed Coniferous Lowland Forest	Low Density Pole	6.3	93		Stand is a mix of lowland conifers species and some birch and balsam seedlings/saplings. Stand was affected by spruce budworm approx. 15 years ago. Some overstory spruce is still alive. Some areas regenerated to spruce, tamarack, b.fir and birch. Stand is remote and difficult to access.
3	6122 - Black Spruce	Low Density Pole	6.5	90		Stand is a mix of lowland conifers species and some birch and balsam seedlings/saplings. Stand was affected by spruce budworm approx. 15 years ago. Some overstory spruce is still alive. Some areas regenerated to spruce, tamarack, b.fir and birch. Stand is remote and difficult to access.
4	6120 - Lowland Cedar	High Density Pole	562.4	100	81-110	
7	6122 - Black Spruce	Medium Density Pole	5.8	Uneven Age		
8	6121 - Tamarack	Low Density Sapling	48.7	60		
9	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	213.5	50	51-80	Stand has been logged in the past ~40 years ago. Old logging roads still evident.
10	6129 - Mixed Coniferous Lowland Forest	Medium Density	26.3	35		
11	6122 - Black Spruce	Medium Density Pole	14.2	95		Stand is mostly a mix of black spruce and tamarack. The south end of stand is dense pocket of decent timber quality. The north end of stand is more lowland with mostly tamarack scattered amongst tag alder. Stand is an island of timber amongst lowlands, remote and difficult to access.
12	6129 - Mixed Coniferous Lowland Forest	Medium Density	27.5	90		Stand was treated in the past. It is a mix of lowland conifers/hardwood. Stand occurs along a small ridge and low ground. Regeneration is mostly lowland conifers, balsam fir, spruce, tamarack, paper brich and red maple. Tag alder present in places. Large white pine scattered in the overstory with some pole sized cedar, birch, red maple and spruce.
13	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	32.2	90	81-110	Stand is quite diverse with species. Stand falls primarily in low ground but there are some areas in stand with firm ground. Most timber is large diametered and mature.
14	6129 - Mixed Coniferous Lowland Forest	Medium Density Log	10.0	95		Stand is a subtile rise in topography surrounded by lowlands. There are sawlog sized W. pine in the center of this stand, spruce, tamarack, birch on the fringes. Jack pine on the north end. Stand is and island amongst lowlands, it is remote and difficult to access.

S t	Newberry	/ Mgt. Unit		5 – Fo	prested Sta	nds Compartment: 075 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	6121 - Tamarack	Low Density Log	68.7	90		Lowland stand. Trees are scattered. Small islands of timber scattered throughout stand. Varying degrees of subcanopy species. Some spruce in stand was impacted by spruce budworm approx. 15 years ago; trees died and regen of spruce, tamarack, b.fir, maple, p.birch coming back. Plenty of tag alder throughout in subcanopy, difficult stand to access and even more difficult to get around once you are here.
17	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	94.3	60	81-110	Stand has been treated in the past ~40 years ago. Old logging roads still evident. Stand is mostly hardwood but in a lowland site that can hold up water.
18	4319 - Mixed Upland Forest	High Density Log	71.9	90	111-140	Stand is quite diverse with species. The soil types and terrain vary with depressions, swales and some intermittant drainages mixed with small ridges. The low depressions/drainages are lowland conifer types with hardwood/aspen overtopping and the ridges have WP overtopping hemlock, red maple, yellow birch and aspen. The timber varies with this topography making areas too small to map separately. Most timber is mature and larger diametered.
19	4191 - Mixed Upland Deciduous with Conifer	Medium Density	24.0	30		
20	6122 - Black Spruce	Low Density Log	126.4	70		Stand flanks the Hendrie River. Tag alder/lowland brush throughout.
21	42390 - Mixed Non- Pine Upland Conifers	High Density Sapling	29.8	30		Stand was treated in the early 80's, mostly final harvested then. It regenerated to a mix of conifers with some hardwood speces. Thick balsam fir in many places. Stand falls on irregular terrain which is mostly upland but has some low/wet areas.
22	4319 - Mixed Upland Forest	Medium Density	6.4	30		Stand was cut in the early 80's. Some residual trees were left from the cutting, they are in the overstory. Stand is sapling sized for the most part just coming into pole size. Parts of stand look like it was more open but is now filling in with trees.
23	6124 - Lowland Spruce- Fir	High Density Sapling	54.8	35		Stand was harvested in the past ~35 years ago. Some residual WP, spruce, hemlock, cedar left from cutting but it was mostly final harvested. Thick stand of lowland conifers for the most part. Tag alder present in pockets throughout stand.
24	4113 - R.Maple, Conifer	High Density Log	5.0	80	111-140	
25	4199 - Other Mixed Upland Deciduous	High Density Sapling	5.2	28		Stand was treated in the early 80's. Some scattered pole sized maple in the canopy left over from cut.
26	4113 - R.Maple, Conifer	High Density Log	82.8	80	111-140	This hardwood stand is diverse with tree species and sizes. Stand is mature. South end of stand is more red maple poles with thick balsam fir understory. Balsam fir is in the understory throughout stand and ranges from thick to thin. Occasional aspen in stand. White pine in stand is large diametered for the most part.

S t	Newberry Mgt. Unit t			5 – Fe	orested Sta	Inds Compartment: 075 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	6129 - Mixed Coniferous Lowland Forest	Medium Density Log	18.0	96		
28	6132 - Mixed Lowland Forest with Cedar	High Density Log	20.5	90	81-110	Stand is a mix of deciduous/conifer trees in mostly low ground. Most trees are older and mature, not much quality in the hardwoods.
29	429 - Mixed Upland Conifers	High Density Log	15.3	80	51-80	Stand was treated in the past, looks like it would have been a shelterwood. Larger red maple and white pine in the overstory. Heavy balsam fir understory. Stand mostly occurs along an upland ridge.
30	4191 - Mixed Upland Deciduous with Conifer	High Density Log	28.4	75	111-140	New stand added.
31	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	33.3	80		Stand is diverse with species and terrain. Stand is mostly lowland conifer dominating. There are some upland areas in the stand that are too small to map out.
32	4119 - Mixed Northern Hardwoods	High Density Sapling	9.3	29		Stand was cut in the early 80's. Sapling sized with some trees getting close to pole size.
34	6120 - Lowland Cedar	High Density Pole	72.5	105		
35	429 - Mixed Upland Conifers	High Density Log	103.4	80	111-140	Stand is quite diverse with species and sizes. The terrain is here is a mix of upland and lowlands. The soil types and terrain vary with depressions, swales and some intermittant drainages mixed with small ridges. The low depressions/drainages are lowland conifer types and the ridges have WP overtopping hemlock, red maple, yellow birch, cedar, balsam, spruce and some aspen. The timber varies with this topography making areas too small to map separately. Balsam fir dominates most of the understory and is thick in many places. The northern end of stand was treated in the early 80's.
36	6122 - Black Spruce	High Density Pole	8.6	80	81-110	New stand added.
38	4130 - Aspen	High Density Pole	11.4	29		Stand was treated in the early 80's. Just coming into pole size. Aspen is straight and tall.
39	4134 - Aspen, Spruce/Fir	Medium Density Log	51.2	80	81-110	Stand is a mix of aspen, r. maple, spruce, fir and cedar. Some W. pine present. Paper birch present but dying out. Aspen is getting old and breaking apart. R.maple and b.fir dominate understory.
41	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	35.8	80		Lowland stand consisting mostly of paper birch, aspen, spruce, balsam and cedar. Stand has timber value and is silviculturally ready.
42	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	15.5	90		

S t	Newberr	Newberry Mgt. Unit			prested Sta	nds Compartment: 075 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	42290 - Natural Mixed Pine	Low Density Log	31.7	95	1-50	Stand sits on an upland ridge complex surrounded by lowland types. Stand is open grown with a mix of pine and deciduous species. Trees are mature. Old stumps present on ridge.
44	6121 - Tamarack	Medium Density	138.5	105		Low ground. Many trees in stand are suppressed and sub- merchantable.
45	6116 - Lowland Birch	Medium Density Pole	3.9	70		
46	6122 - Black Spruce	Medium Density Pole	19.0	90		
49	4134 - Aspen, Spruce/Fir	High Density Log	16.5	75		Stand mostly aspen in the overstory with occasional white pine. Aspen is mature. Younger balsam fir and spruce in the understory coming up under the aspen.
50	6122 - Black Spruce	High Density Pole	83.7	105	111-140	Stand is a mix of lowland conifers many consisting of spruce and cedar. Decent spruce in most of the stand. Cedar/spruce density ratios vary throughout stand. Some areas are almost pure spruce while others are more mixed. Small stream on the north edge of stand.
51	6120 - Lowland Cedar	High Density Pole	158.7	80		Stand is dominated by lowland conifers, mostly cedar. Stand is variable with densities and mix of species. Some areas have more birch and spruce mixed in with the cedar.
52	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Log	7.2	105	111-140	Stand is subtile rise in topoghapy amongst lowland type, lowland on edges of stand. Balsam fir is heavy for the most part in understory.
53	4319 - Mixed Upland Forest	High Density Log	59.4	85	81-110	Stand is quite a mix. The western portion is primarily red maple with a more open understory. Maple is poor quality. Parts of the the stand has a large diametered white pine overstory. The eastern part of the stand has a aspen component that is large diametered and overmature. Balsam fir is thick in many parts of the subcanopy. The southern edges of the stand drop off into more of a lowland type. Some wintering deer in here now but very light activity. Evidence of past browsing on red maple seedlings.
54	42210 - Natural Red Pine	High Density Log	4.2	90	111-140	Stand sits on a ridge. Decent quality red pine in stand. More birch in stand on the north side of ridge.
55	42290 - Natural Mixed Pine	High Density Log	38.6	106	111-140	Stand mostly occurs along a ridge that is flanked by lowland spruce. The ridge is steep in a few places. Aspen in stand is mostly growing in pockets on ridge. Most timber is old and mature. The pine in stand is tall and straight and has quality. Balsam fir is thick in a few places in understory.
56	6122 - Black Spruce	High Density Pole	8.9	85		Stand constists mostly of black spruce with a mix of other species such as hemlock, cedar, yellow birch, red maple, paper birch and minor component of tamarack. Spruce is decent quality. Large white pine scattered on the perimeter of stand.

S t	Newberry Mgt. Unit			5 – Fo	orested Sta	Inds Compartment: 075 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
59	6122 - Black Spruce	High Density Pole	56.6	90		Stand is predominately lowland black spruce with a scattering of log sized white pine in the overstory. Lowland brush species present in places in the understory.
60	42290 - Natural Mixed Pine	Medium Density Log	3.3	90	51-80	Stand sits on a narrow upland ridge that supports red/white pine mixed with spruce, birch and maple. B. fir/spruce in understory.
61	6122 - Black Spruce	High Density Pole	18.1	90		Merchantable black spruce ranges from 1 - 4 sticks tall but several stems sub-merchantable sized. Lab tea on the ground amongst lowland brush.
62	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	5.3	75		
63	42290 - Natural Mixed Pine	Medium Density Log	6.5	75	51-80	
64	6120 - Lowland Cedar	High Density Log	29.9	105		Small drainage through the middle of stand, Quinn Creek.
65	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	8.1	80		
66	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	20.1	80		
68	42290 - Natural Mixed Pine	Medium Density Log	16.9	80	81-110	Stand falls moslty on an upland ridge. Red pine and white pine are log sized and decent quality. Jack pine is gettting old. Lowland types surrounding stand.
69	6122 - Black Spruce	High Density Pole	38.3	85		Decent spruce in stand growing mostly in lower ground. Subtile ridges throughout stand that support sawlog sized red/white pine.
70	6121 - Tamarack	Medium Density Pole	15.0	40		Some decent pole sized tamarack in some areas of stand but most is sapling sized. Low ground.
71	429 - Mixed Upland Conifers	High Density Log	38.0	98	81-110	Stand is mix of upland and lowland types. The uplands are subtile rises in topography mixed with low pockets of lowland tree species. Pine dominates the higher ground (tall and large diametered) and balsam fir is heavy in the subcanopy.
74	6129 - Mixed Coniferous Lowland Forest	Low Density Pole	12.4	80		
75	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	12.9	70		

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S t	Newberry Mgt. Unit			5 – Foi	rested Sta	Ands Compartment: 075 Year of Entry: 2013
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
76	6129 - Mixed Coniferous Lowland Forest	Medium Density Log	253.5	85	81-110	Stand is a diverse mix of species/ages on a variable mix of topography. Difficult to type out all the variability. There are upland ridges scattered throughout this mostly lowland type stand. Pine, maple, birch, aspen types dominate the upland ridges and spruce, cedar, tamarack dominate the lowlands.
77	6132 - Mixed Lowland Forest with Cedar	High Density Pole	14.4	Uneven Age		
78	42290 - Natural Mixed Pine	Medium Density Log	19.3	80	81-110	Stand falls moslty on an upland ridge. Red pine and white pine are log sized and decent quality. Jack pine is gettting old. Lowland types surrounding stand as well as a few pockets mixed within.
79	429 - Mixed Upland Conifers	Medium Density Log	149.7	90	51-80	Stand falls along a ridge for the most part, the egdes of stand are a bit more lowland but most of the stand is along a subtle upland ridge. Stand is somewhat variable with tree species/density due its shape, topography and lowland/upland interface.
83	42290 - Natural Mixed Pine	High Density Log	13.3	80	81-110	Stand falls moslty on an upland ridge. Red pine and white pine are log sized and decent quality. Jack pine is gettting old. Lowland types surrounding stand as well as a few pockets mixed within.
84	6120 - Lowland Cedar	High Density Pole	15.2	80		
85	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	12.5	75	81-110	Stand is a mix of aspen, birch, maple and conifer species. pine, spruce and balsam. Maple regen has been browsed in the past.
88	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	8.9	80		
89	4136 - Aspen, Mixed Conifer	Medium Density	28.8	9		Stand was mostly final harvested in 2002. Fully regenerated. Some scattered white pine, hemlock, red pine in overstory. Most trees that regenereated are now sapling sized 5-15' tall & 1- 2"DBH or smaller.
90	6124 - Lowland Spruce- Fir	Low Density Pole	4.5	85		Stand is a lowland pocket surrounded by upland type. North end is a low/wet area with standing dead spruce snags. The fringe of lowland supports trees where it goes up onto upland site.
91	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	3.7	85		Stand is mostly surrounded by upland type. This stand is in a low area that gradually becomes more low/wet and treed bog like as you move west.
93	6122 - Black Spruce	Medium Density Pole	6.8	80		Lower areas mixed throuhout stand with smaller trees, treed bog types. Thick tree canopy where forested.
94	4115 - Y.Birch, Hemlock NH	High Density Log	2.8	90	111-140	Stand is log sized, some very large yellow birch, w.pine, hemlock and red maple. South end of stand is lower and somewhat wet. Size of stand is small. Balsam fir understory is heavy in portions of stand.

S t	Newberry		5 – Fo	prested Stand	ds Compartment: 075 Year of Entry: 2013	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
97	6120 - Lowland Cedar	High Density Pole	21.9	90		
98	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	15.7	75		
99	429 - Mixed Upland Conifers	Low Density Pole	4.8	85		Ridge of pine, paper birch, spruce and balsam surrounded by lowlands. This ridge is fairly open.
100	6120 - Lowland Cedar	Medium Density Pole	4.7	90		

Newberry Mgt. Unit

Compartment: 075 Year of Entry: 2013



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
2	6220 - Alder/willow	224.8	No	Unspecified	There are scattered islands of trees throughout. These are subtile ridges interspersed amongst lowlands. Area is remote with little access. Spruce out here was impacted by spruce budworm approx. 15 years ago. Still live spruce out here by dead trees/snags still present.
5	6229 - Mixed lowland shrub	160.6	No	Unspecified	
6	6224 - Treed Bog	18.6	No	Unspecified	
15	6224 - Treed Bog	2.0	No	Unspecified	
33	6229 - Mixed lowland shrub	301.0	No	Unspecified	
37	6220 - Alder/willow	10.0	No	Unspecified	
40	6229 - Mixed lowland shrub	7.1	No	Unspecified	
47	6224 - Treed Bog	16.9	No	Low (NonForested)	Stand swapped from Forested to Non-Forested.
48	6224 - Treed Bog	1.8	No	Unspecified	Sapling/seedling sized cedar and tamarck. Cattail present. Old stumps in middle of stand. <20% canopy, wetland type
57	6224 - Treed Bog	45.5	No	Low (NonForested)	
58	3302 - Low Density Conifer Trees	11.3	No	Unspecified	
67	6220 - Alder/willow	1.4	No	Unspecified	
72	6220 - Alder/willow	10.4	No	Unspecified	Solid tag alder.
73	6224 - Treed Bog	16.9	No	Unspecified	
80	6229 - Mixed lowland shrub	9.9	No	Unspecified	
81	6224 - Treed Bog	17.1	No	Unspecified	
82	6229 - Mixed lowland shrub	11.4	No	Unspecified	

Newberry Mgt. Unit

#### 6 – Nonforested Stands

Compartment: 075 Year of Entry: 2013



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
86	6224 - Treed Bog	23.2	No	Unspecified	
87	6230 - Cattail	19.3	No	Unspecified	Old beaver flooding. Standing tree snags and stumps. Some cedar and tamarack seedling/saplings present. Cattails growing now.
92	6224 - Treed Bog	3.8	No	Unspecified	
95	6220 - Alder/willow	1.2	No	Unspecified	
96	6229 - Mixed lowland shrub	21.7	No	Unspecified	



### 7 – 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.

Stand	SCA Туре	SCA Name	Acres	Comments
multiple - see	Unique Site - SCA	42075_SCA	2094.6	SCA of POG removed. Area does not contain old growth characteristics. Area currently has very limited access, that was the reason for the original POG call. Area will be treated and then road access blocked/removed in order to keep limited access characteristics.



#### 8 – DEDICATED CONSERVATION AREA DETAILS

\* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Conservation Area	Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish spec year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	itions that allow naturally-reproduced or ies (e.g., slimy sculpin) to persist from ese conditions due to substantial s are established by Director's action and
SCA	Habitat Area	An area that provide some specific need for the life cycle of wild and Waterfowl Production Areas, deer wintering complexes in lo openings and savannas. Habitat areas are distinct from critical h endangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened o covered by species recovery plans that are developed in cooper	ife species, including State Wildlife Areas wland conifer communities, grassland abitat designated for recovery of piping plover areas) in that they are more r endangered species, and are not ation with Federal agencies.