

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	Q 6	Q 1	69	77	8	100	52	mixed swamp conifer	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA. Converting to cedar from mixed swamp conifer. Mostly well-stocked Q along high ground edge fading to poorly stocked small cedar interior with good cedar regeneration 2-5' tall in gaps. Many sparse areas along with thickly stocked cedar patches. Wet ground, overall mixed swamp conifers. Also w. birch and r. maple west side. Stream and springs in stand. Put in biodiversity maintenance to protect riparian values.</p> <p>Wld : Special conservation area corridor along stream and around springs. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
2	M 9	M 3	53		14	80	75	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Thinned 1990. Excellent regen. 1" dbh Sugar maple. High quality sawlog stand. BA only about 80. Some mortality. Some older large trees here with good wildlife values. Small patch of aspen west probably convert to hardwoods when stand is cut next. Wet swales, some seasonal drainage. More gaps west where blowdown occurred. Crown room, no needs this entry period.</p>														
3	M 6	M 2	5		8	80	70	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : Cut 2002 northern michigan veneers(Gehling) permit #25-99-01. Drainage swale across stand in center. Fair quality yellow birch, red maple stand. Some sugar maple. Some regeneration, mostly beech and red maple 3' tall. Some very large yellow birch and hemlock. No needs this entry period.</p>														
4	M 6	M 2	6		8	90	70	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : A lot of vernal ponds. Knife edge slope west about 1/2 of stand. Ready to thin but need stream crossing north. Not much volume to remove due to bmp's. Medium quality, good potential. Recommend wait until stand north is cut again. Diverse stand, hemlock and beech in spots.</p>														
5	M 9	M 3	8		14	110	60	northern hardwood	unevenaged	N	thinning	within 0-9 years	2	planting
<p><u>Treatment Limiting Factors:</u> Blocked by other physical obstacle</p> <p>comnts Fmd : Thinned 1992. Good quality large trees mostly high quality sugar maple. Some areas ok BA so overall would be light thin. Need access through private land, unknown at this time. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.</p> <p>Wld : Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity. Leave all white spruce, black spruce, cedar, hemlock, and white pine. Underplant mesic conifers after stand overstory is treated.</p>														
6	M 9	M 3	14		14	80	75	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : cut 2000-2002 northern michigan veneers permit #25-99-01. Good quality M9 or M8M6 stand. Looks good, no needs this entry. Good regeneration 3-6' sugar maple. Some N-S swales with seasonal drainage. Areas of M7M6 but center ridge is M9 good quality sawlog sugar maple.</p>														
7	Q 6	Q 1	25	77	8	70	50	mixed swamp conifer	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Seasonal drainage. Mix of E and Q. More ash north part with more cedar and mixed swamp conifers south. Some patches of thick cedar. Some gaps. Mostly low, wet but some more upland areas with y. birch, red maple, and black ash.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, fish, and birds. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
8	M 9	M 3	100		12	80	75	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : High quality sawlog stand. Good regeneration of sugar maple, 2 cohorts 1979 and 2002, 2" dbh and 6' tall. . Cut permit #15-99-01 in 2000-2002 northern michigan veneers (Gehling). Almost all good quality trees with 4-6 log(8') potential. A few ruts south end. Mostly a lovely stand, about the best in the unit. Crown room with vigorous trees, no needs this entry period. Some sugar 24" nice quality. More red maple and yellow birch south.</p>														

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					B	Tot. BA	Site Indx							
9	E 6	E 1	16	87	9	100	50	swamp hardwoods	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Inadequate volume due to low stocking/small diameter/etc.														
Cedar or Hemlock cutting restraints														
comnts Fmd : SCA. Mix of Q and E. Pockets of water with cattails, marsh marigolds. Big spruce and cedar with smaller ash, fir. Some nice yellow birch on high ground edge. Wet, low with drainage south. Smaller trees and more sparse interior of stand. A few high areas with red maple. Riparian area to protect values such as movement corridor and ond riparian values associated with Johnson Creek.														
Wld : Special conservation area. Provides for consistent management of the stream corridors within this compartment. This headwaters area is critical to the natural functioning of the extensive system of riparian SCAs dominating this compartment. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances.														
10	M 9	M 3	32		14	110	60	northern hardwood	unevenaged	N	thinning	within 0-9 years	2	planting
<u>Treatment Limiting Factors:</u>														
Blocked by other physical obstacle														
comnts Fmd : Thinned 1992. Good quality large trees mostly high quality sugar maple. 1/2 of area sw of stream is red maple type. Also patches of hemlock. Some areas ok BA so overall would be light thin. Need access through private land, unknown at this time. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.														
Wld : Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity. Leave all white spruce, black spruce, cedar, hemlock, and white pine. Underplant hemlock, white pine, and/or white spruce upon completion of cutting.														
11	P 2	N 0	26	14	2	0	49	balsam poplar & swamp aspen and swamp white birch	immature	N		not scheduled	0	
comnts Fmd : P2 wet site 2" dbh average. Sparse areas. Some fir, red maple clumps w. birch cherry etc. with willow and alder. Should completely fill in with trees eventually. Sparse overall and many non-stocked areas now.														
12	M 9	M 3	71		14	110	65	northern hardwood	unevenaged	N	selection	within 0-9 years	2	planting
<u>Treatment Limiting Factors:</u>														
Blocked by other physical obstacle														
comnts Fmd : Thinned 1992. M3 1" dbh in gaps. Patch of hemlock north point of stand. Fair to good quality. Some dieback, due to soil compaction? Ready for thinning but some gaps so will be light thin. Swales and vernal ponds. Need private land access, unknown at this time. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.														
Wld : Apply appropriate BMPs to conserve vernal ponds. Underplant hemlock, white spruce, and/or white pine upon completion of cutting. Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity. Retain all white spruce, black spruce, cedar, hemlock, and white pine.														
13	Q 6	F 1	12	72	8	100	58	mixed swamp conifer	immature	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Cedar or Hemlock cutting restraints														
comnts Fmd : A mix of Q,C, and E. Cedar patches with gaps containing small ash, yellow birch and red maple. Sparse, not overstocked in most areas.. Young trees mostly.														

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					D	Tot. BA								
14	Q 6	Q 1	4	82	10	70	60	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Cedar or Hemlock cutting restraints Influence zones</p> <p>comnts Fmd : SCA. Sparse blowdown. Open. High banks merge to M type. Mix of E6 and Q6 with sparse areas. Put in biodiversity maintenance to protect riparian values of stream.</p> <p>Wld : Special conservation area - Maintain as movement corridor for mammals, amphibians, reptiles, fish, and birds. Promote habitat element such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
15	C 9	C 1	11	82	14	140	48	cedar	mature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Mostly big cedar especially east. Some E6 areas and wetter west. Overall C9 with slightly higher ground than most cedar.</p>														
16	M 9	M 3	64		9	80	67	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : High quality stand. Thinned 2001-2003 Taskey forest mgmt. Permit #26-99-01. No needs at this time. Nice sugar maple on center of ridges. More red maple and yellow birch toward cedar. Some high BA areas but overall OK. Good regeneration started about 3' tall.</p>														
17	C 9	C 1	2	82	12	130	56	cedar	mature	N		not scheduled	0	
<p>comnts Fmd : Mostly cedar but some big spruce and yellow birch mixed in. Just a sliver on state land so is higher ground larger cedar near upland hardwood.</p>														
18	M 9	M 2	6		10	90	68	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA. Mostly fair or poor quality hardwood. Good cherry. Some hemlock. Some large trees, cull but good wildlife value. Put in biodiversity maintenance 1999 entry to balance out hardwood percentage. Stand ties in well with adjacent riparian areas of Johnson creek. Poor access.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
19	M 9	M 1	15		12	90	55	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA. Big cedar and hemlock on edges of stand. Large hemlock interior 30"+ dbh but not sawlog quality. Poor timber quality hardwood mostly red maple. Some low ground in stand area. Big yellow birch. High wildlife value den trees etc. Stand was put in biodiversity maintenance to add to hardwood percentage in 1999. Also has old growth characteristics. Good tie in to adjacent riparian area of Johnson creek.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
20	E 6	E 1	25	77	8	70	50	swamp hardwoods	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA. Mostly 2-3 stick ash with scattered cedar, spruce, fir and w. birch. Some Q6 mostly along upland areas. Some cedar in patches. Some alder areas. E6E5 mostly overall. Put into biodiversity maintenance in 1999 to protect riparian values of Johnson creek headwaters.</p> <p>Wld : Special conservation area. Promote habitat element such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
21	C 6	C 1	37	82	8	110	46	cedar	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA. Mix of C6 patches with ash scattered. Some sparser E5 or C5 areas. Some thick high BA cedar areas. Thickest cedar between hardwood islands north with wetter, more sparse areas mostly south. Put in biodiversity maintenance in 1999 to protect riparian values of Johnson creek.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
22	M 6	M 1	17		10	110	65	northern hardwood	unevenaged	N	thinning	within 0-9 years	3	planting
<p><u>Treatment Limiting Factors:</u> Bridge needed (portable bridge not available or inadequate) Road needed (resources not presently available) Blocked by other physical obstacle</p> <p>comnts Fmd : Mostly good quality hardwood stand marked in 1989 not cut. Also sold again in 1999 and not cut. Paint is mostly faded. Recommend re-marking in 2019 when stand 16 is marked again. This won't sell by itself due to very poor access. Stand has limiting factors. Some vernal ponds and drainages. Areas of large poor timber quality trees with dens and other wildlife values. East side has some fir and aspen mixed with white birch but would be converted to hardwood stand so is included in this stand. 1/2 of stand is red maple type but not poor quality. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.</p> <p>Wld : Strive to enhance species and size-clas diversity in overstory, as well as providing for structural diversity. Leave all white spruce, balck spruce, cedar, hemlock, and white pine. Underplant hemlock, white spruce, and/or white pine after cutting completed.</p>														
23	M 6	F 2	4		8	90	65	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : Small hardwood stand mostly red maple type. Upland cedar mixed in. Mostly pole stand but some larger trees. Could thin when adjacent areas are cut. Would be a swamp crossing.</p>														
24	B 6	F 1	16	57	7	90	70	paper birch	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Too steep Bridge needed (portable bridge not available or inadequate) Road needed (resources not presently available) Blocked by other physical obstacle</p> <p>comnts Fmd : Steep moraine or esker. Knife edge with narrow peak and steep slopes to swamp. Birch is converting to hardwood, mostly sugar maple. Some areas no aspen. Birch look in good shape and are mostly smaller trees 2-3 stick. Poor access.</p>														
25	Q 6	Q 1	5	77	6	80	46	mixed swamp conifer	immature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Small trees, mix of Q and E. Not real low ground.</p>														
26	S 6	S 2	5	77	7	90	46	black spruce-swamp	immature	N		20-29 years	0	
<p>comnts Fmd : Black spruce 3-5 stick. Some w. birch and q type south. Small trees well-stocked.</p>														

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					D	B	Tot. BA							
27	M 9	M 3	59	14	120	67	northern hardwood	unevenaged	Y	selection	within 0-9 years	3	planting	
<u>Treatment Limiting Factors:</u>														
Bridge needed (portable bridge not available or inadequate)														
Road needed (resources not presently available)														
Blocked by other physical obstacle														
comnts Fmd : Most of stand is M9 very good quality sugar maple with large log trees to 24"+ dbh. M3 1" areas near old opening. Areas around opening small trees and aspen in former open area filling in. Aspen south. Vernal ponds and drainages. Steep topography in spots, not feasible for cutting. No access at this time due to private landowner and numerous stream crossings. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.														
Wld : Apply proper BMPs to vernal ponds. Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity. Leave all white spruce, black spruce, cedar, hemlock, and white pine. Underplant hemlock, white spruce, and/or white pine after cutting completed.														
28	P 5	F 1	29	67	8	50	46	balsam poplar & swamp aspen and swamp white birch	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
Too wet														
comnts Fmd : SCA. Smaller trees P6 fades to P4. Mostly P5. Small area of upland aspen. Dogwood shrub layer as well as alder more south. Mostly wet ground. Put in biodiversity maintenance in 1999 to protect riparian values of Johnson creek headwaters.														
Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.														
29	A 6	F 2	12	67	10	70	57	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
Road needed (resources not presently available)														
Bridge needed (portable bridge not available or inadequate)														
Blocked by other physical obstacle														
comnts Fmd : Mostly A6 with about 1 acre of M6 SE. Some fir on edges. 3-4 stick hardwood under mature 6-stick aspen. 1 acre sparse. Vernal areas. Poor access through private and numerous stream crossings. Mature, but probably will not cut due to poor access. In the aspen stands, we will retain some trees such as hemlock, cedar, and white pine if present as well as some hardwood along travel corridors.														
Wld : Apply proper BMPs to vernal areas when treat in future. Follow FMFMD retention comments.														
30	M 9	M 3	48	14	110	64	northern hardwood	unevenaged	N	selection	within 0-9 years	3	planting	
<u>Treatment Limiting Factors:</u>														
Adjacent landowner denies access														
Road needed (resources not presently available)														
Blocked by other physical obstacle														
Influence zones														
comnts Fmd : Good quality especially on higher ground. Large trees in spots. Over half the stand ready for thinning, other areas not overstocked. Defect in some large trees but some nice stems too. Excellent regeneration. M5 with big aspen on east side. Poor access through private and many stream crossings. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.														
Wld : Leave all cedar, hemlock, black spruce, white spruce, and white pine. Underplant hemlock, white spruce, and/or white pine after cutting completed. Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity including partial retention of existing tree cavities.														

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					B	Tot. BA	Site Indx							
31	Q 6	C 1	28	82	8	80	27	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints Influence zones</p> <p>comnts Fmd : SCA. Mix of C nd Q. Sparse areas wet with alder. Stream in center. Cedar mostly small except high ground edge is larger. Q6Q5. Small area of high ground NW included in stand. Riparian area biodiversity maintenance to protect movement corridor.</p> <p>Wld : Special conservation area due to two branches of stream passing through stand. Stand also borders the largest water body in compartment. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and aquatic fauna. Promote habitat elements such as supercanopy trees, numerous large snags, abundant and varied tree cavities/dens, frequent large diameter downed trees, and natural processes/disturbances.</p>														
32	A 6	F 1	17	82	10	90	64	aspen (upland)	mature	Y	final harvest	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u> Bridge needed (portable bridge not available or inadequate) Blocked by other physical obstacle</p> <p>comnts Fmd : Aspen 12-14". Access very poor due to streams and private land. Would need large road and bridge project as well as access through private land. Much of stand north is converting to poor quality hardwood and fir mix. Most of the rest of stand still contains a lot of aspen. Some Balsam poplar areas west with a little wetter soil. Recent beaver activity east. In the aspen stands, we will retain some trees such as hemlock, cedar, and white pine if present as well as some hardwood along travel corridors.</p> <p>Wld : Retain some scattered white spruce across stand. Leave all cedar, cherry, elm, hemlock, red pine, and white pine. Leave one chain wide strip of uncut timber along edge of stand 33 (pond). Try to incorporate some mature aspen in boundary line of sale as a source of mature aspen retention.</p>														
33	Z 0	Z 0	12		0	0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Flooded beaver pond at this time in 2007.</p>														
34	M 6	F 1	19	82	8	80	57	northern hardwood	immature	N		not scheduled	0	
<p>comnts Fmd : M6M5. Dead fir areas. Some aspen but most aspen gone from stand from age or beaver activity. Sparse areas with thick hazel and M3. Some low areas with ash.</p>														
35	Q 5	X 0	10	17	6	50	21	mixed swamp conifer	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : SCA. Mix of E and Q. Ash swale with stream. More Q east but more ash in swale. Some wider areas upstream. Brush areas with hazel, alder and scattered spruce and ash. Put in biodiversity maintenance to protect riparian values of the stream. Year origin due to past beaver activity.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, fish, and birds. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
36	A 6	M 1	5	77	7	70	65	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u> Bridge needed (portable bridge not available or inadequate) Blocked by other physical obstacle</p> <p>comnts Fmd : Poor access due to being blocked by private land and numerous stream crossings. Mix of aspen mature with poor quality hardwood. Would leave pine and cedar in a harvest. However a harvest is unlikely. Some of this could be converted to hardwood on the higher, better soil. Fish diviosion would like 100' uncut buffer and attempt to convert adjacent part of stand to conifer or hardwood. Probably at least 1/2 of stand not managed for aspen. In the aspen stands, we will retain some trees such as hemlock, cedar, and white pine if present as well as some hardwood along travel corridors.</p> <p>Wld : Leave some scattered white spruce. Leave hemlock, chery, and elm.</p>														

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					D	Tot. BA								
37	Q 5	X 0	18	82	6	50	21	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : SCA. Mix of E and Q. Ash swale with stream. More Q east but more ash in swale. Some wider areas upstream. Brush areas with hazel, alder and scattered spruce and ash. Put in biodiversity maintenance to protect riparian values of the stream.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, fish, and birds. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
38	Q 5	X 0	4	82	6	50	21	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : SCA. Mix of E and Q. Ash swale with stream. More Q east but more ash in swale. Some wider areas upstream. Brush areas with hazel, alder and scattered spruce and ash. Put in biodiversity maintenance to protect riparian values of the stream.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, fish, and birds. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
39	F 6	F 2	14	82	8	80	57	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones Blocked by other physical obstacle</p> <p>comnts Fmd : SCA. Upland area mostly spruce/fir with hardwood mixed in. Beaver active, and most aspen cut out. Remote beaver flooding area and blocked by private land so access is poor. Not feasible to cut. N-S ridge with some smaller aspen south. Most of stand well-stocked well-spaced mature spruce and fir. Recommended for biodiversity maintenance to protect and enhance riparian area.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
40	L 0	L 0	11		0	0	45	lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA. Drained beaver pond. Sparse alder and scattered trees. Put in biodiversity maintenance to protect riparian values of stream.</p> <p>Wld : Special conservation area. Maintain as a movement corridor for mammals, amphibians, reptiles, birds, and fish. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
41	M 9	M 3	24		14	110	64	northern hardwood	unevenaged	N	selection	within 0-9 years	3	planting
<p><u>Treatment Limiting Factors:</u> Adjacent landowner denies access Road needed (resources not presently available) Blocked by other physical obstacle Influence zones</p> <p>comnts Fmd : Good quality especially on higher ground. Large trees in spots. Over half the stand ready for thinning, other areas not overstocked. Defect in some large trees but some nice stems too. Excellent regeneration. M5 with big aspen on east side. Poor access through private and many stream crossings. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.</p> <p>Wld : Strive to enhance species and size-class diversity in overstory, as well as providing for structural diversity including retention of some cavity trees. Leave all white spruce, black spruce, cedar, hemlock, and white pine. Underplant hemlock, white spruce, and/or white pine when cutting completed.</p>														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
42	A 5	F 2	17	57	10	70	57	aspen (upland)	immature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Influence zones Blocked by other physical obstacle</p> <p>comnts Fmd : Cutover 20 years ago. Mix of 25 year and 50 year aspen. N-S vernal stream in stand. Hardwood and fir patches. 4-5 stick aspen with with some 3-stick aspen and 3 stick hardwood. Red maple clumps and cherry poor timber quality. Wet areas, drainages, alder areas. Access poor due to private land.</p> <p>Wld : Leave riparian corridor intact when cutting stand in futue.</p>														
43	M 6	M 1	3		8	80	64	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Bridge needed (portable bridge not available or inadequate) Influence zones</p> <p>comnts Fmd : SCA. Stream 10-15' wide on all sides of this small "island" Cedar on edge. Large trees. Good sugar M9 also big yellow birch. Put into potential old growth to add to hardwood acreage in 1996 under escanaba river forest plan. Also to protect riparian values of the stream areas.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
44	L 0	L 0	143			0		lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA. Mostly lowland brush (alder) with some areas more recently drained grass and sedge. Some scattered trees and patches of lowland conifers. Some flooded areas. Johnson Creek. Put in biodiversity maintenance to protect riparian values of stream.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and fish. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
45	M 6	F 1	4		8	80	50	northern hardwood	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Blocked by other physical obstacle</p> <p>comnts Fmd : SCA. Small hardwood island in swamp mostly poor quality red maple with fir. Big trees, dens etc. Some hemlock. Dead fir areas, not overstocked. Put in biodiversity maintenance in 1996 to add hardwood into escanaba river state forest plan. Also to have larger varied landscape associated with riparian area.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
46	M 6	M 3	6		8	120	63	northern hardwood	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Blocked by other physical obstacle</p> <p>comnts Fmd : SCA. Sugar maple type. Larger trees with dens and generally poor timber quality but good potential. Poor access. Put in biodivrsity maintenance to protect riparian values in a more varied landscape context. .</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
47	M 6	M 1	6	8	90	68	northern hardwood	old growth (potential or actual)	N			not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Blocked by other physical obstacle</p> <p>comnts Fmd : SCA. Big trees scattered large hemlock to 25"+dbh. Mostly red maple poor timber quality but good wildlife values. Some good sugar maple potential. Was put into biodiversity maintenance in 1996 to protect riparian values in a varied landscape context.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
48	M 6	F 1	4	77	8	80	50	northern hardwood	old growth (potential or actual)	N			not scheduled	0
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Blocked by other physical obstacle</p> <p>comnts Fmd : SCA. Poor timber quality red maple yellow birch, hemlock. Upland cedar. Dens. Stream on north edge too. Put in biodiversity maintenance to protect riparian and old growth potential in a larger landscape context.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
49	F 6	F 2	1	67	6	90	59	spruce-fir (uplands-including upland black spruce)	old growth (potential or actual)	Y			not scheduled	0
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Blocked by other physical obstacle Influence zones</p> <p>comnts Fmd : SCA. Small area of upland mostly small black spruce and fir thickly stocked and mixed with white birch. Smaller trees. Surrounded by alder stand. Put in biodiversity stewardship to provide a larger mosaic of riparian protection.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
50	M 6	M 2	4	7	100	64	northern hardwood	unevenaged	N	selection		within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u> Bridge needed (portable bridge not available or inadequate) Blocked by other physical obstacle Influence zones</p> <p>comnts Fmd : Mostly red maple type but good sugar on top of slope. Steep slopes in spots. Vernal lower. Some M# 4" dbh in areas. Cut only if possible to get road through. However blocked by streams and lack of access through private so sale unlikely. In the northern hardwood stands we will retain representatives of all species present as well as all size classes. We will retain some den trees as well as other trees important to wildlife.</p> <p>Wld : Leave all cedar, hemlock, black spruce, white spruce, and white pine.</p>														
51	C 9	C 1	1	82	14	140	48	cedar	mature	N			not scheduled	0
<p><u>Treatment Limiting Factors:</u> Cedar or Hemlock cutting restraints</p> <p>comnts Fmd : Overall C9 with slightly higher ground than most cedar. Small stand next to private land.</p>														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
52	E 4	E 2	6	17	8	40	50	swamp hardwoods	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones Blocked by other physical obstacle</p> <p>comnts Fmd : SCA. Small ash E4E2 with alder. Flooded by beaver in past. Put in Biodiversity maintenance to protect riparian values of stream in a larger landscape context.</p> <p>Wld : Special conservation area. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes.</p>														
53	M 6	M 3	3		10	90	65	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : Small stand was cut with stand 12 in 1992. This time does not need thinning. .Mix of red and sugar maple with some yellow birch, hemlock, cherry. Good quality.Good regen 3' tall.</p>														
54	M 3	X 0	1	14	1	0	65	northern hardwood	immature	N		not scheduled	0	
<p>comnts Fmd : Cut in 1993. Cherry left. Mostly M3 1-2" dbh. Cherry on wetter edge. Sugar on upland. Some small wet G areas but overall M3.</p>														
55	E 6	E 1	5	67	6	70	50	swamp hardwoods	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth Influence zones</p> <p>comnts Fmd : SCA. Stream , sparse grass areas. Areas of Q6E6. Smaller trees. Put in biodiversity maintenance to protect riparian values of stream. Hardwood is mostly red maple and elm.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and fish. Promote habitat elements such as supercanopy trees, large snags, abundant tree cavities, large diameter downed trees, and natural processes. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
56	N 0	N 0	3					marsh	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA. Mostly drained beaver flooding. Put in biodiversity maintenance to protect riparian values of stream.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and fish. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
57	Z 0	Z 0	4		0	0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Flooded beaver pond at this time in 2007.</p>														
58	Z 0	Z 0	2		0	0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Flooded beaver pond at this time in 2007.</p>														
59	Z 0	Z 0	2		0	0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Flooded beaver pond at this time in 2007.</p>														
60	Z 0	Z 0	8		0	0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Flooded beaver pond at this time in 2007.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					DH	Tot. BA								
61	L 0	L 0	4			0		lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : SCA. Mostly lowland brush (alder) with some areas more recently drained grass and sedge. Some scattered trees and patches of lowland conifers. Some flooded areas. Johnson Creek. Put in biodiversity maintenance to protect riparian values of stream.</p> <p>Wld : Special conservation area. Maintain as movement corridor for mammals, amphibians, reptiles, birds, and fish. Connectivity along waterways is especially useful because of the many ecological values riparian areas provide.</p>														
400	G 0	G 0	1			0	64	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Trees are filling in, mostly maple and some fir.</p> <p>Wld : Allow succession to occur.</p>														
Total Acres.....			1186											