

\* 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. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
1	M 6	M 1	174		8	100	52	northern hardwood	unevenaged	N		10-19 years	0	
<p>comnts Fmd : 12/11/2007 Looks good but no regeneration coming in from last cut. Oak at east end. West side has adequate regeneration. Some tree stand problems. ORV problems coming off of property to the north. (Grieve) 2/18/2003 TS# 022-01-1 (Grieve) 12/98 (Grieve) Nice stand heavy to oak in the middle. East 1/3 is not ready for a cut. Can't see this on the photo. Land owners to the north are posting state land. Also using road etc. as there own. Cutting should take care of this problem.</p> <p style="text-align: right;">10/88 (Bakker) D</p> <p>border of hills, hardwoods, to lower quality. Quality hardwoods, some aspe, some poor aspen. Hardwoods, mixed sizes, some with young. Some 6" undersory (Thin)</p>														
2	A 6	A 1	147	46	6	80	73	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 12/11/2007 Look at in ten years to break up stand &amp; cut in two different years of entry. Part of this old stand is now stand # 3. (Grieve) 12/98 (Grieve) Nice looking aspen stand. Residual red maple was left from last cut. Break stand up into two or three cutting blocks 10 years apart. . 10/88 (Bakker) A3 south of road. Mixed with much overstory of assorted species; red maple, oak, white pine. Some Red Maple, red oak, birch in understory as well.</p>														
3	A 6	A 1	58	46	8	110	73	aspen (upland)	mature	N	final harvest	within 0-9 years	1	
<p>comnts Fmd : 9/3/2008 Wildlife would like to retain all cherry, oak &amp; beech through out the stand. In the areas next to the northern hardwood stand where these trees become much more prominent, the mast barring tree will be thinned out. Two one acre leave islands will be left in the interior of the sale. (Grieve) 12/11/2007 Nice stand &amp; really growing well. Clearcut this time around. Transition stand between hardwoods &amp; poorer soils to the south. This cut will also solve a continuing property line problem to the north &amp; east. This was part of a larger stand in the past inventory which is now stand # 2. (Grieve) 12/98 (Grieve) Nice looking aspen stand. Residual red maple was left from last cut. Break stand up into two or three cutting blocks 10 years apart. 10/88 A3 south of road. Mixed with much overstory of assorted species; red maple, oak, white pine. Some Red Maple, red oak, birch in understory as well. (Bakker)</p>														
4	E 6	F 1	4	65	8	80	47	swamp hardwoods	immature	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) low lands along the Manistee River. Like stands 3,4 &amp; 6.</p>														
5	E 6	F 1	2	65	8	80	47	swamp hardwoods	immature	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve)</p>														
6	Y 0	Y 0	1			0		sand dunes	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) High banks Sand but natural stabilization.</p>														
7	E 6	F 1	3	65	8	80	47	swamp hardwoods	immature	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) low lands along the Manistee River. Like stands 3,4 &amp; 6.</p>														
8	Y 0	Y 0	1			0		sand dunes	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 12/6/2007 This area now known as the Eagle View, has been developed &amp; protected by Springfield Township. The Township corrected the old problem, built a viewing platform, parking lot &amp; stabilized the banks under Department direction. An annual Use Permit is issued. This needs to be converted to a Volunteer Agreement. The Township maintains &amp; cleans the area. Springfield Township has done an outstanding job. The Township has also developed a Township park next to state land of this compartment. 12/98 (Grieve) High banks party spot. Very Bad erosion into the Manistee River. Need to bolck off access to area. Have received public complaints about party spot and erosion.</p>														
9	A 6	M 1	21	41	6	70	66	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 12/11/2007 Look at in ten. Near over view. (Grieve) 12/98 (Grieve) Mixed stand coming back strong to aspen.</p>														

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Stand	Cover Type- 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								
10	A9	F1	17	74	12	110	60	aspen (upland)	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Too steep</p> <p>comnts Fmd : 12/6/2007 To steep to harvest. (Grieve) 12/98 (Grieve) Trees left from last cut along the side of a steep hill. Needs to be cut but is not merchantable. The east end of the stand is a little to close to the river to be cut at all. The western end is next to a small creek. Any harvest would be very difficult. If cut, take aspen and leave the rest is an option. 10/88 (Bakker) Steep! Down to cedar wamp. Non-commercial cut in 10 years for wildlife.</p>														
11	E6	F1	4	65	8	80	47	swamp hardwoods	immature	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) low lands along the Manistee River. Like stands 3,4 &amp; 6.</p>														
12	W6	A1	14		8	70	51	white pine	immature	N		20-29 years	0	
<p>comnts Fmd : 12/11/2007 Look at in twenty years. White pine is coming on strong. Next to road to viewing area. (Grieve)</p>														
13	M6	M1	41	80	8	110	38	northern hardwood	immature	N		10-19 years	0	
<p>comnts Fmd : 12/98 (Grieve) This stand is oak converting to northern hardwoods 12/11/2007 Old pine stumps. Very steep hill. Look at in ten years. (Grieve) 10/88 Mixture poor hardwoods, poor aspen, areas of A3, M3.(Bakker)</p>														
14	A3	M1	12	6	1	0	57	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : 12/11/2007 Stand looks good. (Grieve) 2/18/2003 TS# 056-00-1 (Grieve) 12/98 (Grieve) Beech reproduction (not much). This stand is a plain just below the hill and before the low land area along the river. This stand is high risk.</p>														
15	Q6	E1	59	108	8	130	60	mixed swamp conifer	immature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : 12/10/2007 Upland spruce/fir, scattered aspen. For up-land it is poorly drained. Largely along the Manistee River. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 &amp; 50. 8/2/2006 TS# 61-070-02-2 salvage sale. (Grieve)</p>														
16	Q6	E1	13	108	8	120	60	mixed swamp conifer	immature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Bridge needed (portable bridge not available or inadequate) State law or policy (identify in comments)</p> <p>comnts Fmd : 1/21/2008 This was a wetter part of the stand which was not harvested last time around because of it having more swamp softwoods &amp; a bit wetter. Natural Rivers Act will not allow this stand to be harvested at this time by clearcut. (Grieve)</p>														
17	D0	D0	11			0		treed bog	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 12/6/2007 This is an old beaver flooding which the beaver have now left. A salvage cut of cedar has been going on for the past few years. The cedar is just about all dead. Some fir is still alive. The waters are down &amp; would expect this to slowly come back to forested land. Most likely fir. (Grieve)</p>														
18	A3	M1	2	6	1	0	57	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : 12/11/2007 Stand looks good. (Grieve) 2/18/2003 TS# 056-00-1 (Grieve) 12/98 (Grieve) Beech reproduction (not much). This stand is a plain just below the hill and before the low land area along the river. This stand is high risk.</p>														
19	M6	M1	10	80	8	110	38	northern hardwood	immature	N		10-19 years	0	
<p>comnts Fmd : 12/98 (Grieve) This stand is oak converting to northern hardwoods 12/11/2007 Old pine stumps. Very steep hill. Look at in ten years. (Grieve) 10/88 Mixture poor hardwoods, poor aspen, areas of A3, M3.(Bakker)</p>														

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					B	Tot. BA								
21	A 5	A 2	103	39	6	60	64	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 12/10/2007 This is the northern 1/3 of the old stand. Look at to harvest in 10 years. (Grieve) 12/98 (Grieve) Cut 1/3 of this stand in 10 years. Cut another 1/3 in 20 years, &amp; cut the last 1/3 in 30 years. This large aspen stand needs to be put in a better age distribution. Some of the stand is progreesing faster than other parts, so this shouldn't be to difficult to do. Stand # 19 is a part of this aspen group.</p> <p style="text-align: right;">10/88 (Bakker) A3- varries from scraggly A5 over A3 to north with opennings &amp; small A3, to thick A3. 2" dbh and 20 ft high, to A3 with more E3, some overstory of hardwoods &amp; balsam, as head south to river.</p>														
23	A 5	A 2	6	39	6	60	64	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 12/10/2007 This is the northern 1/3 of the old stand. Look at to harvest in 10 years. (Grieve) 12/98 (Grieve) Cut 1/3 of this stand in 10 years. Cut another 1/3 in 20 years, &amp; cut the last 1/3 in 30 years. This large aspen stand needs to be put in a better age distribution. Some of the stand is progreesing faster than other parts, so this shouldn't be to difficult to do. Stand # 19 is a part of this aspen group.</p> <p style="text-align: right;">10/88 (Bakker) A3- varries from scraggly A5 over A3 to north with opennings &amp; small A3, to thick A3. 2" dbh and 20 ft high, to A3 with more E3, some overstory of hardwoods &amp; balsam, as head south to river.</p>														
24	A 5	A 2	2	39	6	60	64	aspen (upland)	immature	N	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : 12/10/2007 Same as stand 21 just on other side of power line. Cut with compartment to the west. (Grieve) 12/98 (Grieve) Cut 1/3 of this stand in 10 years. Cut another 1/3 in 20 years, &amp; cut the last 1/3 in 30 years. This large aspen stand needs to be put in a better age distribution. Some of the stand is progreesing faster than other parts, so this shouldn't be to difficult to do. Stand # 19 is a part of this aspen group.</p> <p style="text-align: right;">10/88 (Bakker) A3- varries from scraggly A5 over A3 to north with opennings &amp; small A3, to thick A3. 2" dbh and 20 ft high, to A3 with more E3, some overstory of hardwoods &amp; balsam, as head south to river.</p>														
25	A 4	A 2	52	39	6	20	74	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : 12/10/2007 This is the younger part of the old stand. Much blow down, look at in 20 to 30 years. Mixed age. (Grieve) 12/98 (Grieve) Cut 1/3 of this stand in 10 years. Cut another 1/3 in 20 years, &amp; cut the last 1/3 in 30 years. This large aspen stand needs to be put in a better age distribution. Some of the stand is progreesing faster than other parts, so this shouldn't be to difficult to do. Stand # 19 is a part of this aspen group.</p> <p style="text-align: right;">10/88 (Bakker) A3- varries from scraggly A5 over A3 to north with opennings &amp; small A3, to thick A3. 2" dbh and 20 ft high, to A3 with more E3, some overstory of hardwoods &amp; balsam, as head south to river.</p>														
27	W 6	W 1	7	58	8	110	51	white pine	two aged	N		10-19 years	0	
<p>comnts Fmd : 12/10/2007 Natural stand, look at in ten years for thinning. (Grieve)</p>														
28	A 4	A 3	48	39	6	30	74	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : 12/10/2007 This is the younger part of the old stand. Should be good to cut in twenty years. Mixed age. (Grieve) 12/98 (Grieve) Cut 1/3 of this stand in 10 years. Cut another 1/3 in 20 years, &amp; cut the last 1/3 in 30 years. This large aspen stand needs to be put in a better age distribution. Some of the stand is progreesing faster than other parts, so this shouldn't be to difficult to do. Stand # 19 is a part of this aspen group.</p> <p style="text-align: right;">10/88 (Bakker) A3- varries from scraggly A5 over A3 to north with opennings &amp; small A3, to thick A3. 2" dbh and 20 ft high, to A3 with more E3, some overstory of hardwoods &amp; balsam, as head south to river.</p>														
29	A 3	A 3	5	6	1	0	59	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : 12/10/2007 Nice looking stand. (Grieve) 2/18/2003 TS# 056-00-1 (Grieve) 12/98 (Grieve) perched stand. High water table. Cut now. Very sound aspen.</p>														

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					B	Tot. BA	Site Indx							
30	Q6	E 1	2	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														
Lowerland along river. Banks drop off from uplan to river, mixed conifers-cedar, black spruce, hemlock, balsam fir: Varries with location. Plus some hardwoods & aspen.														
31	Q6	E 1	13	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														
Lowerland along river. Banks drop off from uplan to river, mixed conifers-cedar, black spruce, hemlock, balsam fir: Varries with location. Plus some hardwoods & aspen.														
32	Q6	E 1	2	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														
Lowerland along river. Banks drop off from uplan to river, mixed conifers-cedar, black spruce, hemlock, balsam fir: Varries with location. Plus some hardwoods & aspen.														
33	A6	M 1	45	39	8	80	74	aspen (upland)	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : 9/3/2008 Wildlife would like all oak & cherry retained. Retention pockets should be left along the river corridor. (Grieve) 12/10/2007 Stand has been divided from last inventory. This 1/3 is to be cut this time around. Northern stand line can not be determined from photo's. This will need to be done at the time of sale. (Grieve) 12/98 (Grieve) Cut 1/3 of this stand in 10 years. Cut another 1/3 in 20 years, & cut the last 1/3 in 30 years. This large aspen stand needs to be put in a better age disribution. Some of the stand is progreesing faster than other parts, so this shouldn't be to difficult to do. Stand # 19 is a part of this aspen group.														
A3 to north with opennings & small A3, to thick A3. 2" dbh and 20 ft high, to A3 with more E3, some overstory of hardwoods & balsam, as head south to river.														
34	Q6	E 1	2	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														
35	A6	M 1	3		6	80	57	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : 12/4/2007 Most of the red maple are in clumps. Look at in ten years. (Grieve) 12/98 (Grieve) Lots of open areas. Multi age stand. Clearcut in 20 years.														

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					B	Tot. BA								
36	X0	X0	1			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : 1/17/2008 Coster Rd. (Grieve)														
37	Q6	F1	4	98	6	130	42	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet Inadequate volume due to small acreage														
comnts Fmd : 1/21/2008 Good corner in SW part of this stand. (Grieve) 11/24/1998 leather leaf forest floor. (Grieve)														
38	V0	V0	2			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : 12/6/2007 Grassy Bog . (Grieve) 12/98 (Grieve) Grassy bog with low land brush on the sides.														
39	R6	R1	24	46	8	190	53	red pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : 12/3/2007 Was not treated last time around. This area is known locally as the Big Low Flats. Will treat this are to a third row thinning, stands 68 & 39. Will clearcut "red pine project" stands 82, 62 & 67, than re-plant to red pine. Also, the plantings to the east of this compartment (251) are also to be treated with these timber sales. (Grieve) 12/98 (Grieve) Some of this stand is ready some is not. Can't pick out what is ready. This all comes and goes. Consumers Power Forester told me it had been hit by frost and spittle bug when young. Go for 3rd row thinning this time around. Best to wait for five more years. ORV Trail goes through stand at southern end. Wildlife would like to create 3 -3 acre or larger openings (non-maintained).														
40	A6	M1	33		6	80	57	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : 12/4/2007 Most of the red maple are in clumps. Look at in ten years. (Grieve) 12/98 (Grieve) Lots of open areas. Multi age stand. Clearcut in 20 years.														
41	V0	V0	1			0		bog or muskeg	nonstocked	N		not scheduled	0	
42	L0	L0	5			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : 12/6/2007 Still looks the same. (Grieve) 12/98 (Grieve) Low Land Brush pothole with A3 around the edges.														
43	A6	W1	30	38	8	110	60	aspen (upland)	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : 12/4/2007 Mixed stand. Retention along ridge edge. Also, some of the 150 ft from ridge can be harvested as a selection cut, either marked or species harvested. Have divided this stand in to three from last inventory. Will leave the middle third & clearcut the north & south thirds. This will break up a stand which is a mile long. Also, add some age diversity. Scattered oak & red maple logs through out. Old stand is now stands 43, 51 & 59. (Grieve) 12/98 (Grieve) Like Hell the SI is this high. Look at to cut in ten years. May want to hold for 20. It would be best to cut in ten. That way there would be a better age spread in the aspen types. The stand to the south is to be cut in 20 years. (stand # 28)														
44	J6	J1	2	62	6	100	39	jack pine	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : 12/4/2007 High risk. Falling down. Let go for natural re-seeding, if it turns into an opening, that would work well also. To small to manage. (Grieve) 12/98 (Grieve) Junk! Looks like it is only 30 years old.														
45	Q6	E1	1	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														

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					B	Tot. BA								
46	Y0	Y0	1			0		sand dunes	nonstocked	N		not scheduled	0	
comnts Fmd : 12/6/2007 High Banks of the Manistee. Erosion area, some white pine saps, some knapweed. Holding erosion. . (Grieve)														
47	Q6	E1	3	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														
48	F6	F2	14		6	90	48	spruce-fir (uplands-including upland black spruce)	unevenaged	N		not scheduled	0	
<u>Treatment Limiting Factors:</u> State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 High Banks of the Manistee. Natural Rivers Act, no cut, too steep anyway. (Grieve)														
49	Q6	E1	6	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														
50	Q6	E1	3	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														
Lowerland along river. Banks drop off from uplan to river, mixed conifers-cedar, black spruce, hemlock, balsam fir: Varries with location. Plus some hardwoods & aspen. 10/88 (Bakker)														
51	A6	W1	36	38	8	110	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : 12/4/2007 Mixed stand. Retention along ridge edge. Also, some of the 150 ft from ridge can be harvested as a selection cut, either marked or species harvested. Have divided this stand in to three from last inventory. Will leave the middle third & clearcut the north & south thirds. This will break up a stand which is a mile long. Also, add some age diversity. Scattered oak & red maple logs through out. Old stand is now stands 43, 51 & 59. (Grieve) 12/98 (Grieve) Like Hell the SI is this high. Look at to cut in ten years. May want to hold for 20. It would be best to cut in ten. That way there would be a better age spread in the aspen types. The stand to the south is to be cut in 20 years. (stand # 28)														
52	Q6	E1	4	108	8	150	60	mixed swamp conifer	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> State law or policy (identify in comments)														
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Was having trouble with finding a tree with out rot in the core. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 & 50.														
53	A9	M1	5	92	12	120	85	aspen (upland)	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> State law or policy (identify in comments)														
comnts Fmd : 1/21/2008 This is the part of stand 54 which was not cut because it was to close to the high banks of the Manistee River, Natural Rivers Act. (Grieve) 11/20/1998 Cut now, Nice stand, beaver are taking it. Clearcut/ leave white pine regen for visual management. (Grieve)														

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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								
54	A3	A3	4	6	1	0	85	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 12/6/2007 Good looking stand. (Grieve) 2/18/2003 TS# 054-00-1 (Grieve) 12/98 (Grieve) Cut now. Nice stand, beaver are starting to take it. Leave White pine regeneration for visual management for river and pvt.														
55	W5	F1	1		6	60		white pine	unevenaged	N		not scheduled	0	
comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve 12/98 (Grieve) Island in the Manistee River. Nice island, high enough for camping. Ownership of this island is not positive. It is most likely owned by the BLM. The BLM does not know for sure if they own it but believe they do.														
56	R9	W1	21		18	110	47	red pine	immature	N		10-19 years	0	
comnts Fmd : 12/6/2007 New owner to the north. This guy is posting state land also. TXed him, he will take them down in the spring. Let this go one more year. There is a lot of cutting going on in this section. (Grieve) 12/98 (Grieve) Nice stand. Stopped putting on growth about 20 years ago. Stand has been posted by PVT owner to the north. He is way off and knows it. Has good corners. Land owner has them marked. Forester Grieve marked corners with carsinite post in November 1998.														
57	O8	A2	18	85	10	60	44	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : 12/3/2007 Aspen coming back, also red maple. Snow was on at time of inventory so could not see if any oak was regenerating. Some white pine saps. Check for harvest in ten years. (Grieve) 2/18/2003 TS# 054-00-1 (Grieve) 12/98 (Grieve) Remove maple & aspen plus marked oak, don't cut all of the east side of the stand. It starts to run out. Don't cut down the bluff. Shelterwood.														
58	A2	A2	24	5	2	0	53	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 12/6/2007 TS# 54-00, Parts of this stand are A2, others parts are A3. Scattered oak logs. (Grieve)														
59	A6	W1	19	38	8	110	60	aspen (upland)	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : 12/4/2007 Mixed stand. Retention along ridge edge. Also, some of the 150 ft from ridge can be harvested as a selection cut, either marked or species harvested. Have divided this stand in to three from last inventory. Will leave the middle third & clearcut the north & south thirds. This will break up a stand which is a mile long. Also, add some age diversity. Scattered oak & red maple logs through out. Old stand is now stands 43, 51 & 59. (Grieve) 12/98 (Grieve) Like Hell the SI is this high. Look at to cut in ten years. May want to hold for 20. It would be best to cut in ten. That way there would be a better age spread in the aspen types. The stand to the south is to be cut in 20 years. (stand # 28)														
60	Z0	Z0	43			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : 1/22/2008 It is still the Manistee River. (Grieve) 12/98 (Grieve) Manistee River														
61	M8	M1	2	50	14	40	48	northern hardwood	immature	N		20-29 years	0	
comnts Fmd : 12/3/2007 Red pine on all sides. Look at in twenty years. Not that good of a stand. Good for diversity. (Grieve)														
62	R6	R1	131	46	8	190	53	red pine	immature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : 9/3/2008 Wildlife would like all aspen cut in this stand at the time of harvest. (Grieve) 12/3/2007 Was not treated last time around. This area is known locally as the Big Low Flats. Will treat this are to a third row thinning, stands 68 & 39. Will clearcut "red pine project" stands 82, 62 & 67, than re-plant to red pine. Also, the plantings to the east of this compartment (251) are also to be treated with these timber sales. (Grieve) 12/98 (Grieve) Some of this stand is ready some is not. Can't pick out what is ready. This all comes and goes. Consumers Power Forester told me it had been hit by frost and spittle bug when young. Go for 3rd row thinning this time around. Best to wait for five more years. ORV Trail goes through stand at southern end. Wildlife would like to create 3 -3 acre or larger openings (non-maintained).														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	Tot. BA								
63	A 4	A 2	3	23	6	20	42	aspen (upland)	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : 9/3/2008 Wildlife would like to have the aspen in this stand harvested at this time with the red pine for improved habitat. (Grieve) 12/3/2007 Pot hole frost pocket. One row of red pine planted east-west through stand. Poor quality A-5 on south side, grass on north side. Will call it A-4. Leave for diversity. Lots of sweatfern in stand. Red Pine on all sides. (Grieve) 12/98 (Grieve) Pot hole with A-3 . 10/88 (Bakker) Pothole frost pocket. Those red pine that were planted here are stunted, chlorotic, witches brooms.														
64	A 5	A 1	2	23	6	40	48	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 12/6/2007 Pot hole frost pocket A5 (Grieve) 12/98 (Grieve) Pot hole with A-3 . 10/88 pothole steep, grassy opening, some aspen, probably wet inspring (Bakker)														
65	A 5	A 1	1	23	6	40	48	aspen (upland)	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : 9/3/2008 Wildlife would like to cut the aspen in this stand for habitat improvement at the same time as the red pine is harvested. (Grieve) 12/6/2007 Pot hole frost pocket A5 (Grieve) 12/98 (Grieve) Pot hole with A-3 . 10/88 pothole steep, grassy opening, some aspen, probably wet inspring (Bakker)														
66	J 4	L 0	2	33	6	20	34	jack pine	immature	N		40-49 years	0	
comnts Fmd : 12/98 (Grieve) Low Land Brush pothole with A2 around the edges.														
67	R 6	R 1	59	46	8	190	53	red pine	immature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : 9/3/2008 Wildlife would like all aspen cut in this stand at the time of harvest. (Grieve) 12/3/2007 Was not treated last time around. This area is known locally as the Big Low Flats. Will treat this are to a third row thinning, stands 68 & 39. Will clearcut "red pine project" stands 82, 62 & 67, than re-plant to red pine. Also, the plantings to the east of this compartment (251) are also to be treated with these timber sales. (Grieve) 12/98 (Grieve) Some of this stand is ready some is not. Can't pick out what is ready. This all comes and goes. Consumers Power Forester told me it had been hit by frost and spittle bug when young. Go for 3rd row thinning this time around. Best to wait for five more years. ORV Trail goes through stand at southern end. Wildlife would like to create 3 -3 acre or larger openings (non-maintained). 12/98 (Grieve) 1/4 fargo corner at SW corner of section 35 in 1st row of pine. Dug & found butter dish, placed yellow carsinite marker.														
68	R 6	R 1	353	46	8	190	53	red pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : 9/3/2008 For Wildlife management clearcut half of the small aspen clones in this stand. This can be done by cutting the entire clone or by cutting a part of each clone. This must be evenly distributed and can be logger choice. (Grieve) 12/3/2007 Was not treated last time around. This area is known locally as the Big Low Flats. Will treat this are to a third row thinning, stands 68 & 39. Will clearcut "red pine project" stands 82, 62 & 67, than re-plant to red pine. Also, the plantings to the east of this compartment (251) are also to be treated with these timber sales. (Grieve) 12/98 (Grieve) Some of this stand is ready some is not. Can't pick out what is ready. This all comes and goes. Consumers Power Forester told me it had been hit by frost and spittle bug when young. Go for 3rd row thinning this time around. Best to wait for five more years. ORV Trail goes through stand at southern end. Wildlife would like to create 3 -3 acre or larger openings (non-maintained).														
69	A 5	W 1	9	51	8	50	40	aspen (upland)	immature	Y		10-19 years	0	
Treatment Limiting Factors: Delayed treatment for age/size class diversity														
comnts Fmd : 12/6/2007 To much cutting going on in this section. Hold for ten more years. (Grieve) 12/98 (Grieve) Stand is in very poor condition. 40 yr old SI tree is only 6" DBH. Very tight rings. Cut in ten.														
70	L 0	L 0	1				0	lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : 12/3/2008 Pot hole (Grieve)														

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Stand	Cover Type-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								
71	O 8	M 1	15	85	10	60	44	oak	immature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> State law or policy (identify in comments)</p> <p>comnts Fmd : 12/3/2007 This was the part of the old stand left from the last cut for Natural Rivers Act. (Grieve) 12/98 (Grieve) Remove maple &amp; aspen plus marked oak, don't cut all of the east side of the stand. It starts to run out. Don't cut down the bluff. Shelterwood.</p>														
72	Q 6	P 1	8	71	8	100	42	mixed swamp conifer	immature	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 High banks along the Manistee River. This can vary a great deal. Natural Rivers Act &amp; too steep. No cutting in this stand. (Grieve)</p>														
73	W 6	W 1	2		8	130	51	white pine	unevenaged	N		not scheduled	0	
<p>comnts Fmd : 12/6/2007 Mature white pine on the banks of the Manistee River. Natural Rivers Act. All ages. (Grieve)</p>														
74	A 3	X 0	49	18		0		aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : 12/6/2007 Nice looking stand &amp; nice job of setting out this sale. (Grieve) 12/98 (Grieve) This was the Puffer Aspen sale of 1990 or so. Nice stand, great quaking aspen. The logging roads in to this sale were blocked at the sales close. None of these roads were open prior to logging. All of the roads have been opened up in the past few years. New roads have been made to connect all along the Manistee. There was not even a logging road in this area. Camping in now occurring along the Manistee River. This area did not have camping before. Some trash. These road all need to be block again &amp; the road made impassable.</p>														
75	Q 6	P 1	14	71	8	100	42	mixed swamp conifer	immature	N		20-29 years	0	
<p>comnts Fmd : 12/3/2007 Swamp a long Manistee River &amp; high banks. No cut area, Natural Rivers Act &amp; Department policy. (Grieve) 12/98 (Grieve) Low land Aspen etc.</p>														
77	A 9	E 1	3	60	12	80	53	aspen (upland)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> State law or policy (identify in comments)</p> <p>comnts Fmd : 12/3/2007 Swampy area along Manistee River. No cut area, Natural Rivers Act &amp; Department policy. (Grieve) 12/98 (Grieve) Aspen OLD. Leave white pine and cedar for visual management along the river. Respect the river. Use brain power to setup lines near river. Stand is high risk. Should come back like Puffer Aspen did. (Stand #45) Leave stand in low areas where there is not much aspen. East side of stand has a gentle slope to bottom land. This is the area to pull wood out.</p>														
78	Q 6	E 1	1	108	8	130	60	mixed swamp conifer	immature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : 12/10/2007 Upland spruce/fir, scattered aspen. Largely along the Manistee River. (Grieve) 12/98 (Grieve) SI was taken from last inventory. Some nice cedar in these stands. Stands along the Manistee River in low areas and some side hills. Also, along so shot feeder streams. Like stands are 14, 15, 17, 23, 24, 26, 29, 30, 41 &amp; 50.</p>														
79	A 3	A 3	2	6	1	0	53	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : 12/3/2007 Old cut on top of &amp; part of ridge slope. Nice looking stand. (Grieve) 2/18/2003 TS# 053-00-1 (Grieve) 12/98 (Grieve) Aspen OLD. Leave white pine and cedar for visual management along the river. Respect the river. Use brain power to setup lines near river. Stand is high risk. Should come back like Puffer Aspen did. (Stand #45) Leave stand in low areas where there is not much aspen. East side of stand has a gentle slope to bottom land. This is the area to pull wood out.</p>														
80	U 0	U 0	3			0		upland brush	nonstocked	N		20-29 years	0	
<p>comnts Fmd : 12/3/2007 Some red pine planted in this stand. Mostly just a boarder stand between red pine plantations in both counties. Scattered red maple. (Grieve)</p>														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	B								
81	A3	A3	11	6	1	0	53	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : 12/11/2007 A-2 with a high component of red maple. Looks good. (Grieve) 2/18/2003 TS# 053-00-1 (Grieve) 2/98 (Grieve) 50 years old. Poor shape multi-age/ cut &amp; clean up. Expand stand in to red pine if possible.</p> <p>10/88 (Bakker) O7M4 open brush understory browsed, Wolfrees. Clones of aspen-varrable size.some red maplesmore aspen as head toward river. Especially in eastern edge of stand. Aspen of varrying ages &amp; sizes. Could be cut now or in 10 years. Couple clones worth cutting now- overall is small. Aspen as go downn toward the river looks high-graded in rcent(10-years) past. [ Cut older aspen in tand for wildlike foods. Compt review 12/88] {This was never done. grg-12/7/1998}</p>														
82	R6	R1	134	46	8	190	53	red pine	immature	Y	final harvest	within 0-9 years	1	planting
<p>comnts Fmd : 9/3/2008 Wildlife would like all aspen cut in this stand at the time of harvest. (Grieve) 12/3/2007 Was not treated last time around. This area is known locally as the Big Low Flats. Will treat this are to a third row thinning, stands 68 &amp; 39. Will clearcut "red pine project" stands 82, 62 &amp; 67, than re-plant to red pine. Also, the plantings to the east of this compartment (251) are also to be treated with these timber sales. (Grieve) 12/98 (Grieve) Some of this stand is ready some is not. Can't pick out what is ready. This all comes and goes. Consumers Power Forester told me it had been hit by frost and spitle bug when young. Go for 3rd row thinning this time around. Best to wait for five more years. ORV Trail goes through stand at southern end. Wildlife would like to create 3 -3 acre or larger openings (non-maintained).</p>														
83	A5	M1	3	30	6	40	49	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 12/3/2007 Look at in ten years, cut with stand to the south at that time. (Grieve)</p>														
84	A5	A2	5	34	6	50	52	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : 12/3/2007 Look at in ten years, cut with stand to the north at that time. (Grieve)</p>														
401	G0	G0	1			0		grass	nonstocked	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 Natural Rivers Act. (Grieve) 12/98 (Grieve) On high banks of Manistee River. Stand was created by Beavers.</p>														
402	G0	G0	9			0		grass	nonstocked	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 Springfield Township has done a great job of cleaning this area up, keeping it clean &amp; keeping the ORV use out. (Grieve) 12/98 (Grieve) Old gravel pit from when Consumers owned the land. Very bad ORV use on this land. The old pit is also being used for dumping. Is use as a rifle range. Needs to be cleaned up and closed off. 10/88 (Bakker) Sand barrow pit- ORV &amp; shooting range use; old oil well pad has been seeded, Wildlife Division with plant autume olive.</p>														
403	G0	G0	7			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 1/17/2008 Still a power line (Grieve)12/98 (Grieve) Power Line</p>														
404	G0	G0	1			0		grass	nonstocked	N		20-29 years	0	
<p>comnts Fmd : 12/3/2007 Still the same. Well kept &amp; clean. (Grieve) 12/98 (Grieve) This is a popular camping spot on the high banks of the Manistee River.</p>														
405	G0	G0	1			0		grass	nonstocked	N		20-29 years	0	
<p>comnts Fmd : 12/4/2007 this stand is going to disappear in the near future. It is small &amp; the edge is moving in. (Grieve) 12/98 (Grieve) Not much to say about this stand.</p>														
406	G0	G0	1			0		grass	nonstocked	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 Pot hole &amp; frost pocket. Red pine on all sides. (Grieve)</p>														
407	G0	G0	1			0		grass	nonstocked	N		20-29 years	0	
<p>comnts Fmd : 12/6/2007 Pot hole &amp; frost pocket. Red pine on all sides. (Grieve)</p>														

TRAVERSE CITY FOREST MGT UNIT

Stand Level Information

Compartment: 246 Entry Year: 2010

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Stand	Cover Type-Size 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							
408	G 0	G 0	1			0		grass	nonstocked	N		20-29 years	0	
comnts Fmd : 12/10/2007 Camping area along the Manistee River. Banks have been stabilized. (Grieve)														
409	G 0	G 0	1			0		grass	nonstocked	N		20-29 years	0	
comnts Fmd : 12/10/2007 Area still used as a camping / access point. Has been kept very clean. Four survey corners from old owner, (Grieve) 12/10/2007 No change from last inventory. (Grieve) 1/19/1999 (Grieve) This grass stand is alone the Manistee River and is used for camping and river use. At the time of this note, this parcel is not in REIS but is listed at the Kalkaska County Court House. I believe the parcel was picked up by the state in July of 1996. This 19 acre parcel may have any easment on it. Lynn Newal, the Consumers Energy Forester did not think it did.														
410	G 0	G 0	1			0		grass	nonstocked	N		20-29 years	0	
comnts Fmd : 12/10/2007 Camping area along the Manistee River. Banks have been stabilized. (Grieve)														
411	G 0	G 0	1			0		grass	nonstocked	N		20-29 years	0	
comnts Fmd : 12/10/2007 No change from last inventory (Grieve) 12/98 (Grieve) Camping area along the Manistee River. Banks have been stabilized.														
412	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : 1/17/2008 Same (Grieve) 12/98 (Grieve) Used as a snowplow turn-a-round by the County Road Commisions of Kalkaska & Missaukee Counties.														
801	R 6	R 1	15	46	8	170	55	red pine	immature	N		50-59 years	0	
comnts Fmd : 12/11/2007 Consumers Energy Pine Reserve, has been third row thinned once. (Grieve) 12/98 (Grieve) Consumers Energy pine reserve.														
802	R 6	R 1	2	46	8	170	55	red pine	immature	N		50-59 years	0	
comnts Fmd : 12/11/2007 Consumers Energy Pine Reserve, has been third row thinned once. (Grieve) 12/98 (Grieve) Consumers Energy pine reserve.														
803	R 6	R 1	7	46	8	170	55	red pine	immature	N		50-59 years	0	
comnts Fmd : 12/11/2007 Consumers Energy Pine Reserve, has been third row thinned once. (Grieve) 12/98 (Grieve) Consumers Energy pine reserve.														
804	R 6	R 1	2	46	8	170	55	red pine	immature	N		50-59 years	0	
comnts Fmd : 12/11/2007 Consumers Energy Pine Reserve, has been third row thinned once. (Grieve) 12/98 (Grieve) Consumers Energy pine reserve.														
805	R 6	R 1	1	46	8	170	55	red pine	immature	N		50-59 years	0	
comnts Fmd : 12/11/2007 Consumers Energy Pine Reserve, has been third row thinned once. (Grieve) 12/98 (Grieve) Consumers Energy pine reserve. 10/88 At intersection of powerline & 2-track 8 old growth red pine.														
<b>Total Acres.....</b>			<b>2055</b>											