

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 22

Entry Year: 2007

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

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	A c r e s	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA	Site Indx							
1	J6	O1	21	64	8	80	49	jack pine	mature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : 60-65 year-old JP poles w/ scattered older JP saw. Nice advanced oak saps and 2 strips of underplanted RP from '64. JP stems dying individually. Final harvest along with stand 2 & replant JP along w/ stands 2 & 103. Not sure what to do with the underplanted RP - it's extremely variable in size & stocking from being suppressed for so long. J5/J7/R4														
2	J6	O1	9	61	9	100	48	jack pine	two aged	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : Older oak & JP components declining, younger JP/WP component inadequate stocking. Set clock back to zero: final harvest, trench & plant to JP along w/ stands 1 & 103. Scattered TA could present problems for JP regen - plant around it. Stand age based on older JP component. Fence along S edge is in trespass -- see survey folder. J5/J7/O4														
3	J3	J3	22	2	1	0	48	jack pine	immature	N		50-59 years	0	
comnts Fmd : Stand was cut in '99 & trenched & planted to JP. We have no records of the planting here; looks to have been done at the same time as the adjacent stand in Mont. Co., 2002 or 2003? Good survival. Some spots thick with seeded JP from harvest. Used pre-harvest SI.														
4	R6	G0	7	41	7	70	50	red pine	immature	N		20-29 years	0	
comnts Fmd : RP planted under JP in '64. JP/O/A removed in '99. Wide range of diam & heights (3"-10" DBH, 10'-50' tall). Responding to release from the overstory removal. 1/10-ac bog at W end. SI low due to suppression from JP/O overstory.														
5	O7	U1	11	76	11	40	43	oak	sparse	N		not scheduled	0	
comnts Fmd : Sparse, open stand with v. poor-quality, declining NPO, WO in better shape, short brushy JP & WP poles, & an occasional RP saw. Previous OI decision was to develop (with stand 105) for wildlife by opening maintenance/creation. Notes also indicated to treat as an oak savannah. O7/O4/J4														
6	A6	U1	24	48	8	90	73	aspen (upland)	two aged	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : This "stand" is made up of several aspen clones that vary in age, size & condition & are separated by U/G inclusions & have JP/RP/WP poles & RP/O saw scattered throughout. Most of the clones are mature, some vastly overmature, & the younger clones tend to have a mix of overmature & young stems. Final harvest the aspen, JP, RM & oak, leaving the RP & WP since it is heaviest along the wetland interface & will serve as a buffer. While aspen is the management objective, a mix of regen is expected & acceptable. SI not done on the overmature component. A4/A7/R7/M4														
7	L3	L3	35					lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Beaver flooding area containing the Middle Branch of Big Creek. Mix of open water, marsh grass, tag alder.														
8	O9	U1	35	79	14	90	47	oak	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Poor-quality NPO saw w/ pockets of TA & U/G inclusions, more RP/WP to the N & E along the wetland edge. Stand had 2, 5-spot openings cut in '99 (5 ac. Total). They weren't effective in terms of securing seed-source oak regen, but the patch cuts did demonstrate that the oak stump sprouts were fast-growing enough to get above the browse line. Cut all oak, aspen & red maple, with the goal of regenerating oak, however a mixed composition of natural regeneration is expected and acceptable. Leave the scattered RP & WP since it is concentrated along the stand's wetland interface. O8/O4/A4/A7														
9	L3	L3	2					lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Floodplain: tag alder with a 1/2-ac clump of TA poles. Beaver dam upstream from ROW bridge.														
10	A6	M2	1	33	7	80	80	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Narrow TA stand on sideslope down to river floodplain. TA mostly in the small pole class but there are some scattered TA saw & poor NPO saw. SI on young aspen, so seems inflated. A5/M4/O4														
11	R6	U1	4	41	8	80	56	red pine	immature	N		20-29 years	0	
comnts Fmd : Planted in '64, 3rd row thinned in '98 with JP/O/A removed. Fairly uniform poles.														

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					B H	Tot. BA								
12	A3	A3	3	7	1	0	67	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Final harvested in '98. 5-10' A3 with small openings & JP seedlings/oak stump sprouts/ cherry brush. An uncut buffer of overmature JP/TA/RP was left along the creek's edge. SI from stand 213.														
13	A5	L1	6	37	6	50	70	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : TA on former floodplain, most stems moved into the pole class, scattered RP saw. If you go with the Oscoda Co. survey monuments vs. the DNR monument, this stand also includes a 1-chain-wide strip of misc JP/NPO/U/G (~1.5 acres) between the S edge of stand 16's RP plantation & the Pvt.														
14	V0	V0	1			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : Pothole bog with tag alder, salix, marsh grass & leatherleaf.														
15	L3	L0	13			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Middle Branch of Big Creek & its floodplain, with tag alder, spirea, salix. Beaver dam just upstream of Pickerel Lake Road culvert.														
16	R6	U1	6	41	8	70	60	red pine	immature	N		20-29 years	0	
comnts Fmd : Planted in '64. 3rd row thinned in '98 along with JP/A/O removed. Range of diam & heights, a lot of doubles & forked tops. When ready to thin, thin stand 113 at the same time. R5/R7														
17	R9	N2	14	132	23	100	57	red pine	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Influence zones														
Other special wildlife habitat consideration (desc. In comments)														
comnts Fmd : Super-canopy RP & WP circa late 1800's w/ fire-scarred boles. WP & E (RM) filling in below. Stand borders creek floodplain & has strips of tag alder swamp. Removal of the RP would convert the stand to a lowland hardwood type with a WP component. Has greater importance to leave as a riparian zone buffer for as long as possible, given the recent & currently-prescribed cuts adjacent. R8/W7/E4														
18	A3	M2	24	7	1	0	73	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Cut in '98. 10-15' aspen regen with RM, oak sprouts & U/G inclusions. TA predominantly. Heavier to RM, Cherry & oak sprouts in the S1/4. Oak stumps sprouted well. Used stand 6 SI.														
19	V0	V0	3			0	0	bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : Leatherleaf bog with JP snags around margin.														
20	J6	O1	2	85	9	70	52	jack pine	high risk	Y	final harvest	within 0-9 years	2	natural regeneration
comnts Fmd : Overmature JP breaking up, scattered RP saw more to N end. O1-O2 below but RM filling in also. Harvest JP, leave tops scattered for seed, cut when ground is not frozen to maximize scarification. Leave all RP for seed source, release the existing oak regen. Stand curves around a bog (stand 19) & has a border of mostly dead JP -- stay out of that zone when running the line. A mix of oak, RP & JP regen is expected. Cut w/ stands 32, 33 & 34. Used old SI. J5/J7/R7														
21	A3	M1	33	17	2	0	77	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 20-30' aspen regen with RM & oak sprouts. BTA with some TA. Cut in '87. Used stand 28's SI														
22	O6	M3	5	80	9	70	55	oak	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Bridge needed (portable bridge not available or inadequate)														
Adjacent landowner denies access														
comnts Fmd : Small stand across creek with no public access. Sign trespass & 2 permanent deer blinds. Mix of NPO, young & overmature TA, & RM with scattered large RP, WP poles & saps. Beaver dropping a lot of TA. Used stand 26's SI. O7/M4/A4														

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					B H	Tot. BA								
23	Z0	Z0	6			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Beaver-flooded area with open water, marsh grass & L.														
24	L2	L2	7		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : L/N mix with tag alder, leatherleaf, marsh grass & some open water.														
25	W6	N1	14		9	80	45	white pine	unevenaged	N		not scheduled	0	
comnts Fmd : Uneven-aged mixed pine / E stand along L/Q/Z types on mostly low ground. Supercanopy RP & WP with small WP saw & WP/RP/JP poles, overmature TA pockets. Excellent value as a buffer between wetlands & intensively managed aspen & oak stands. Includes islands of RP/WP/JP that are inaccessible at this time. SI on the younger saw. W7/W4/R7/A4/O4/M4														
26	O9	M1	18	80	11	70	55	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed to take advantage of exceptional site quality or growth														
comnts Fmd : Thinned in '99, all aspen & RM removed & marked oak down to 70 BA. Decent RO on hilltop, quality decreases downhill toward L/Q. Oak stump sprouts heavily browsed. Residual oak responding of release. Used the old SI; it better fits the stand's overall appearance than the SI's taken this time (68-78). O8/O4														
27	D1	D1	3			0		treed bog	nonstocked	N		not scheduled	0	
comnts Fmd : Leatherleaf bog with spruce regen filling in from the edges.														
28	A6	M3	6	38	7	90	77	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Aspen cut in '67 with residual oak saw. BTA poles healthy & growing well. Scattered overmature TA is declining. Large RM saplings below. Let BTA mature & wait until the RM has grown to 2"+ DBH so that it will be removed when the aspen is ready to be regenerated. A5/O7														
29	O9	M2	44	80	12	70	62	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed to take advantage of exceptional site quality or growth														
comnts Fmd : Thinned in '97; all RM & aspen removed & oak marked down to 70 BA. Decent-quality RO on rolling terrain, some epicormic branching. Thick RM & aspen regen, few oak removed & little stump sprouting. Thinning gave the RM & aspen a good head-start. O8/O4														
30	A3	M2	40	16	2	0	77	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Cut in '89. 20-30' aspen regen (mostly BTA) with RM & oak sprouts. Used stand 28's SI.														
31	O8	M3	28	77	13	50	60	oak	mature	N		10-19 years	0	
comnts Fmd : All JP, aspen, RM were cut in '97 & oak marked in a shelterwood/thin. Decent RO saw with 15-20' aspen & RM regen below. Little oak removed, little oak regen. O7/O4														
32	O9	O1	16	70	13	80	47	oak	mature	N	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Poor NPO, dieback in mature JP, overmature TA, good advanced oak regen 01-03, along w/ WP/RP saps. Cut all JP, NPO & aspen. Leave JP tops scattered for seed. Cut when the ground is not frozen to maximize scarification. Leave all RP/WP for additional seed. Cut will release existing oak regen, secure more oak through stump sprouting, & regenerate the aspen. Will perpetuate the existing mixed species composition. Treat with stands 20, 33 & 34. O7/J4/J7/R7														
33	O8	U1	14	79	14	70	49	oak	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Poor NPO & overmature JP w/ dieback & breakup, patches of young & overmature TA. Regen: areas w/ O1, & WP seeding in. Final harvest JP, NPO & TA. Leave all WP & RP for additional seed. Leave JP tops for seed & harvest when the ground is not frozen to maximize scarification. Will regenerate to the same very mixed composition. Cut with stands 20, 32 & 34. O7/O4/J7														

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					B H	Tot. BA	Site Indx							
34	J8	O2	29	73	13	70	48	oak	high risk	Y	removal	within 0-9 years	1	
<p>comnts Fmd : Overmature JP that is breaking up, TA &amp; BTA clones, poor-quality NPO, &amp; scattered RP of all sizes especially to S end. Good advanced oak regen 5-25' tall. Cut all JP &amp; aspen. Cut all oak &gt;6" DBH in order to conserve the large sapling/small pole younger oak. Leave scattered RP for vertical diversity considering snowmobile trail corridor. Treat with stands 20, 32 &amp; 33 but don't leave the JP tops on this stand -- there is adequate stocking in oak regen to release over much of the stand. A mix of oak, aspen, red pine and jack pine natural regeneration is acceptable. "No Trespassing" signs are illegally posted along the snowmobile trail. J7/J4/O7</p>														
35	A3	M1	54	16	2	0	77	aspen (upland)	immature	N		40-49 years	0	
<p>comnts Fmd : Cut in '89. 20-35' aspen, mostly BTA, with TA mixed in &amp; RM, RO stump sprouts, occasional RP/JP poles &amp; saps. Some pockets approach O3. Oak stump sprouts are +/- equal in height with the aspen &amp; are doing good. Used stand 28's SI.</p>														
36	O9	M3	38	83	13	90	63	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed to take advantage of exceptional site quality or growth</p>														
<p>comnts Fmd : Thinned oak in '98 &amp; all RM &amp; aspen removed. Decent-quality oak, responding to release. A few oak stumps sprouting &amp; getting above the browse line, but still well below the thick RM regen. O9/O4</p>														
37	A3	M2	3	12	2	0	77	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : 15' TA regen with RM saps, scattered residual oak saw. Was in salvage sale set up in '93 following a tornado, but an unclear note with the t-sale info indicated it was possibly cut as a trespass before the sale was started. Used stand 28's SI.</p>														
38	O8	M2	14	69	12	50	44	oak	two aged	N		20-29 years	0	
<p>comnts Fmd : Sparse, open stand with mature oak, but also has a distinctly younger age class of oak poles in their early 40's that are healthy &amp; have good crown development, &amp; O3 saps in pockets. BA of overstory saw so low that it doesn't appear to be hindering the younger oak component's development. Look at removing the mature oak component in 10 or 20 years when the RM understory competition reaches &gt;2" DBH &amp; will be removed during harvest. Let small overmature aspen component finish breaking up -- it is minor &amp; the oak doesn't need any aspen regen competition. O7/O4</p>														
39	A3	A3	6	12	2	0	77	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : 15-25' TA within '93 tornado salvage area. Used stand 28's SI</p>														
40	U1	U1	21		0	0		upland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Sparsest area of the '93 tornado salvage sale; lowest ground &amp; poorest site. Has scattered JP small poles &amp; regen, some oak sprouts, but less than J1 on average. G/U</p>														
41	A2	A2	28	12	1	0	74	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : 10-15' TA &amp; BTA, cut in '93 tornado salvage sale. Varying density aspen A0-A3 with U/G inclusions, JP seedlings, RM &amp; oak sprouts. O3 near the W edge. Used stand 44's SI. A2/O1</p>														
42	A3	M1	19	14	2	0	74	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : 10-40' aspen regen, mostly TA with BTA mixed in to S &amp; E. Interior has areas of RM &amp; oak regen with scattered JP saps. Ranges from A1/M2 to M3/O1 to A3. Cut in '91. Used stand 44's SI. A2/M1/O1</p>														
43	A3	A3	19	14	2	0	74	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Cut in '91. 15-20' tall TA with inclusions of U/G, J1, O2, Mr2. Was a varying-density mixed stand before harvest, so the the resulting regen is clumpy &amp; variable. A2-A3 on average. Used stand 44's SI. A2/O1/M1/J1</p>														
44	A5	A1	24	29	6	40	74	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Aspen was cut in '76 &amp; all of the white oak was left for mast. These mostly large wolf trees are scattered throughout, with higher concentrations on the N side along the road &amp; in the SW corner. TA &amp; BTA poles &amp; large saps approaching pole size. Scattered saw-sized aspen. Thick RM poles, some nice oak saps &amp; a few RP saw. A4/O7/A1</p>														

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					B H	Tot. BA								
45	J5	O1	15	29	9	60	50	jack pine	two aged	N		10-19 years	0	
comnts Fmd : JP poles & saw with pockets of TA & scattered RP/WO/NPO saw. Sparse pine/U/G type along border with stand 44. Surprisingly little dieback in the JP. Was diameter-limit cut in '76 so the stand is 2+ aged. Did SI on the older JP but used '76 as the year of origin. J4/J7														
46	A3	A3	9	14	2	0	74	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Cut in '91. 20-30' aspen with RM & oak stump sprouts. Fully-stocked, but not all to aspen: ranges from A3 to M3 to O2M2. Used SI from stand 44.														
47	R2	M2	6	11	1	0	50	red pine	immature	N		40-49 years	0	
comnts Fmd : 4-10' trenched & planted RP, most of stand being overtopped by TA/RM/oak sprouts. Planted in '94. Used previous OI's SI														
48	A3	G0	11	14	1	0	74	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : 10-20' TA, RM & oak sprouts, spreads into planted RP stand in interior. Cut in '91. Used stand 44's SI. A3/M2/O1														
49	A5	U1	26	29	7	50	70	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Diameter-limit cut in '76 with residual RP & oak saw, some overmature TA stems, but mostly small poles. Inclusions of JP along W edge.														
50	R3	G0	40	11	1	0	61	red pine	immature	N		30-39 years	0	
comnts Fmd : '94 trenched & planted RP 4-8' tall, with inclusions of A3 (mostly avoided by the trencher, but some RP overtopped by TA & also by seeded-in J1/J2 in areas). Seeded JP taller than the planted RP. Used stand's 53's SI														
51	A9	M2	9	75	12	90	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : JP, BTA & TA mostly overmature & breaking up. Large RO & WO wolf trees scattered throughout. The aspen is not evenly distributed, but is in dense clones. RM is filling in aggressively. Cut all JP, RM & aspen. Leave the scattered oak & RP. Harvest when the ground is not frozen to maximize scarification & leave JP tops for seed in areas where aspen regen won't be coming in. While aspen is the management objective, a mix of natural regeneration is expected and acceptable. Treat along with stand 52. A8/A4/O7/J7														
52	J9	O1	7	72	12	90	51	jack pine	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : 70+ yr old JP, was held last time around for visual along the snow trail. Cut all JP & the small amount of aspen. Leave the scattered RP & RO for visual. Cut along with stand 51 with the same specs re harvest timing & leaving JP tops scattered. While JP is the management objective, a mix of natural regeneration, including aspen, oak, red maple & red pine, is acceptable. J8/J4/R7/O7														
53	R6	U1	14	41	7	110	61	red pine	immature	N	thinning	within 0-9 years	1	
comnts Fmd : RP was planted around residual NPO, JP & RP so there are pockets of suppressed RP. TA young stems along the NW edge. Scheduled to be thinned with the rest of the plantation (stand 25 in Compt 21 YOE 2001). The stand's boundary has been painted in but no rows have been designated yet.														
54	R3	R3	93	7	1	0	61	red pine	immature	N		40-49 years	0	
comnts Fmd : Trenched & planted in '98. 1-3' RP with cherry brush, seeded-in JP & clumps of A3. RP planted around aspen in some areas of stand. JP generally growing better than the planted RP. SI from stand 53.														
55	A5	U1	25	30	7	50	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : JP, aspen, & oak diameter-limit cut in '75 with RP/WO left. Sparse stand with U/G inclusions throughout, mostly small TA poles with a few BTA stems. TA not the best quality, some clones have sooty black fungus streaks around knots. Older TA stems (residual from '75 cut) are breaking up; aspen saps are filling in U/G areas. Stand has scattered RP saw & JP/NPO. A4/J4/R7														
56	J4	J2	2	30	5	30	45	jack pine	immature	N		20-29 years	0	
comnts Fmd : Diam limit cut in '75. Small JP poles with large saps approaching pole size. Used stand 155's SI. J4/J2														

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					B H	Tot. BA								
57	A3	U1	4	15	2	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 15-25' TA regen with JP regen scattered within, some areas with RP planted but losing out to the TA. Used stand 55's OI.														
58	R2	G0	14	11	1	0	61	red pine	immature	N		40-49 years	0	
comnts Fmd : Trenched & planted RP 3-8' tall, 60-90% stocking, with seeded-in JP overtopping it in places. Will end up being a mixed RP/JP stand. Ranges from R1-R3. Used stand 53's SI.														
59	A3	G0	4	15	2	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : same as stand 57														
60	R2	G0	10	11	1	0	61	red pine	immature	N		40-49 years	0	
comnts Fmd : Same as stand 58														
61	J2	G0	6	15	2	0	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : J1-J3, averaging J2, with TA mixed in. JP 5-10' tall. Natural regen resulting from harvest, so it is unevenly distributed. Is overtaking some of the planted RP. Used pre-harvest SI.														
62	J5	U1	33	30	6	50	47	jack pine	immature	N		20-29 years	0	
comnts Fmd : Diam limit cut in '75, leaving the WO. Sparse stand of short, shrubby JP, scattered TA clones, & scattered RP, oak saw with U/G inclusions throughout. Has O1-O3, 5-15' tall, in places, but averages to less than O1 overall. Let young JP & oak regen continue to develop. J4/A4/R7/O7														
63	O7	M3	1	100	13	30	47	oak	sparse	Y		not scheduled	0	
Treatment Limiting Factors: Inadequate volume due to small acreage														
comnts Fmd : Poor-quality oak saw & poles on small triangular lot surrounded by private. Adjacent landowners trespassed, grubbing a road through it. Recommend disposal of this <2 acre parcel. O7/O4														
64	J3	G0	21	12	1	0	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : Trenched & planted JP 8' tall, gall rust common. Used old SI. Planting FTP was not completed over the entire harvested area, resulting in stand 164's spotty natural regen.														
65	A6	U1	20	39	7	80	76	aspen (upland)	high risk	N	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Cut in '65 & KG bladed in '66. More poles than saw, individual stems dying, soot-streaked knots & false tinder fungus present. Pockets of JP along powerline & E dege, pocket of NPO in NW corner. Pvt signs incorrectly placed on state @ SE corner along Consumers Power ROW. Final harvest to regenerate aspen before it starts to really deteriorate. Cut with stands 67, 68 & 69. SI averaged with stand 68's.														
66	A3	G0	4	15	2	0	76	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : 15-25' TA regen with pockets of J2 at former landing & at S end. U inclusion at S end also. SI from stand 65.														
67	J6	U1	32	39	8	90	50	jack pine	two aged	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Cut in '65 & KG bladed in '66 with many scattered immature JP stands left that then spread & developed into this 2+ aged stand. Double tops & gall rust cankers common. Stand yr of origin is based on harvest records, but there are younger & older age classes. While this stand does have a small-pole/large-sap component, most stems are merchantable. The oldest component is breaking up but the younger components are healthy, so this stand could be left to develop for 10 more years. I recommend final harvest & replanting to JP at this time, though, because this stand's JP type intermixes so much with Stand 68's aspen type; it would be more efficient to treat 67 at the same time as 68 in one integrated sale. Given the scattered aspen w/in the stand & along the boundary of stand 68, plant around areas w/ expected aspen regen. Cut as one sale w/ stands 65, 68 & 69. Note when establishing line: do not run the line out to the cleared powerline ROW -- Consumers Power did not clear to the edge of their property -- see survey folder regarding pin location. J6/J7														

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

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	C r e s	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA	Site Indx							
68	A6	U1	27	39	7	80	71	aspen (upland)	high risk	N	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Cut in '65 followed by KG blade in '66 with small immature JP stands left. Mostly small diam TA poles, w/ more break-up &amp; fungus than what you'd expect in &lt;40 yr old aspen. Final harvest to regenerate aspen before it starts to really deteriorate. Also remove the scattered NPO, JP &amp; RP. This stand has many low-density/U inclusions separating the aspen clones &amp; a wide transition zone w/ the JP stand 67. Cut as one sale w/ stands 65, 67 &amp; 69. Apply snowshoe hare specs to this stand &amp; stand 69, but not to stand 65 (for visual reasons &amp; because it is not contiguous w/ the swamp type to the SW). For this stand &amp; 69, cut in winter and leave tops since they are near a major deer yard. Note when establishing line: do not run the line out to the cleared powerline ROW -- Consumers Power did not clear to the edge of their property -- see survey folder regarding pin location. A5/A7/R7</p>														
69	A9	M1	8	73	14	90	80	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Small mixed stand with massive, overmature TA &amp; BTA, along with RM, RP, WP, NPO, &amp; some very nice RO saw in the SE corner. &lt;W1 overall, with RM regen more common. Final harvest to regenerate the aspen and apply snowshoe hare specs. Treat with stands 65, 67 &amp; 68. Leave tops and cut in winter since this stand is near a major deer yard. Oxbow Creek Game Authority fenceline runs along the south edge of this stand and stands 67 &amp; 68. Note when establishing line: do not run the line out to the cleared powerline ROW -- Consumers Power did not clear to the edge of their property -- see survey folder regarding pin location. A8/O7</p>														
70	Q5	Q1	11	90	6	40	45	mixed swamp conifer	sparse	Y		50-59 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p>														
<p>comnts Fmd : Sparse Q stand with open tag alder swamp below, some higher ground to the S with a 2'-wide drainage. Q slowly filling in. Used old SI.</p>														
71	J2	U0	38	17	2	0	53	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : 10' JP regen varying from J0 to J3, averaging J2 with U inclusions, particularly to NW. Cut in '88 &amp; the FTP was cancelled because it was regenerating on its own. A portion (new stand 271) burned in August '04, splitting off stand 171. Used old SI.</p>														
72	J3	J3	58	7	1	0	50	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Cut in '97, furrow-seeded in '98. JP regen 3-5' tall with excessive stocking in areas. ~4 acres in the SE corner burned in '04, forming stand 172.</p>														
73	J5	J1	11	34	6	70	53	jack pine	immature	N		20-29 years	0	
<p>comnts Fmd : Was clearcut in '71 except for scattered seed trees. Mixed stand with small JP poles, scattered RP &amp; JP saw, &amp; balsam fire, NPO, RM &amp; TA poles. Used stand 71's SI. J5/M4</p>														
74	A6	A1	11	34	6	80	63	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Clearcut in '71 with seed trees left. Small diam TA poles, with A1 moving into the pole class. Scattered balsam fir. Used more conservative SI.</p>														
75	Q5	Q3	7	90	6	40	48	mixed swamp conifer	sparse	Y		50-59 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p>														
<p>comnts Fmd : Cedar, black spruce, tamarack &amp; RM with thick spruce regen. E1/2 of this stand is more of a D-type, with pockets of spruce &amp; an occasional cedar on a sphagnum moss/labrador tea bog. Majority of this swamp type lies in section 29 (USFWS property) to the south. Used old SI</p>														
102	A1	U1	1	6	1	0	73	aspen (upland)	immature	N		50-59 years	0	
<p>comnts Fmd : Small patch of variable-density aspen regen from '99 cut. A0-A3</p>														
103	U1	U1	6		0	0	48	jack pine	nonstocked	N		within 0-9 years	0	planting
<p>comnts Fmd : Cut in '99 with JP/O/A removed. Mostly upland brush w/ scattered JP/O regen &amp; occasional RP/WP. Trench &amp; plant to JP w/ stands 1 &amp; 2. Used old SI.</p>														

Stand	Cover Type-Size Dnstry	Under Story-Stkng Level	A c r e s	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA	Site Indx							
104	R5	U1	16	41	6	60	49	red pine	immature	N		20-29 years	0	
comnts Fmd : JP/O/A removed in '99, W & E ends of stand were 3rd row thinned in '98. RP underplanted in '64: poles with a wide range of diam & hts, depending on amount of JP/O overstory, with better stocking & uniformity at the E end. Stand is responding to release. SI low due to overstory suppression.														
105	U1	G0	4			0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : U/G type with scattered very poor quality NPO saw, bushy JP & a few RP saw. Decision last YOE was to develop for wildlife by upgrading the opening. It is filling in with upland brush.														
106	A9	N2	5	85	12	110	73	aspen (upland)	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Influence zones														
Other special wildlife habitat consideration (desc. In comments)														
comnts Fmd : Diverse mixed stand with overmature TA, supercanopy RP & WP, & NPO, filling in below with swamp hardwoods & good WP regen. Stand is on a peninsula bordered by beaver floodings & separated from stand 6 by two strips of tag alder slough. Beaver cutting & decadence are creating snags & recruiting significant coarse woody debris. While access to the stand is not impossible, I'd recommend letting nature take its course, given the proximity to the Middle Branch of Big Creek floodplain, the cutting that will be taking place in stand 6 and the number of aspen stands in the compartment that are under intensive management. The stand would provide habitat for that spectrum of wildlife that relays on overmature timber in the riparian zone. Used stand 6's SI, but used the previous OI's stand age since my SI's were not on the overmature aspen. A8/R7/M4/O4														
107	Z0	Z0	20			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Shallow open water with marsh perimeter associated with the Middle Branch of Big Creek's floodplain.														
113	R9	M1	3		15	80	60	red pine	unevenaged	N		20-29 years	0	
comnts Fmd : Uneven-aged RP stand on former floodplain, range in size from super-canopy RP to RP seedlings. This small stand is split out from stand 13's aspen. Thin when the adjacent RP plantation (stand 16) is treated in the next 20 years. R9/R4														
117	R9	U1	1			0	57	red pine	unevenaged	N		not scheduled	0	
comnts Fmd : Small stand made inaccessible by creek flooding & split from stand 17 by private property. Walked through when running pvt lines, but took no plot data. From a practical standpoint, this stand is not managable. R8/R5														
123	Z0	Z0	6			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Beaver-flooded area with open water, marsh grass & L.														
132	R9	O1	3		14	110	64	red pine	unevenaged	N		not scheduled	0	
comnts Fmd : Multiple-aged RP stand on the N side of bog stand 19, with super-canopy RP moving into the snag class, smaller RP saw, poles & regen, overmature JP & TA & a little oak. Hold for vertical/age class diversity given currently prescribed treatments & A3 stands adjacent to it. R8/R4/J7/W4.														
149	U2	G0	6			0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Upland brush with scattered oak & RP saw, filling in with JP/TA/BTA regen from edges.														
153	Q9	Q2	1	90	13	80	48	mixed swamp conifer	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Inadequate volume due to small acreage														
comnts Fmd : V. small Q type with tag alder & ringed by TA. Used stand 75's SI. C8/S7/S4														
155	J5	J1	6	30	6	50	45	jack pine	immature	N		20-29 years	0	
comnts Fmd : Diam limit cut in '75, so have scattered mature JP over small poles & large saps. SI on older JP component; year of origin based on cut records. J5/J7														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 22

Entry Year: 2007

\* 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	Acres	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
157	A3	U1	6	15	2	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Same as stand 57														
159	A3	G0	4	15	2	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : same as stand 57														
161	J2	G0	8	15	2	0	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : Same as stand 61														
164	J2	G0	8	15	2	0	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : 8-12' JP regen with very uneven distribution, J3 to U & all gradations in between. Might average out to J2. Denser to N than S, with U inclusions throughout. Was cut in 1990 as stand 64, but the planting FTP was incomplete, resulting in this stand. Used old SI														
168	V0	V0	1			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : Leatherleaf bog ringed by pine, split by private line.														
171	J2	U0	6	17	2	0	53	jack pine	immature	N		40-49 years	0	
comnts Fmd : Split from stand 71 by fire stand 271. Same as stand 71 except includes an uncut buffer of scattered mature RP/JP along the private line to the N.														
172	J1	G0	5	7	1	0	50	jack pine	sparse	N		40-49 years	0	
comnts Fmd : Is that part of stand 72 that burned in an August 2004 wildfire. ~100% mortality in the 3-5' furrow-seeded JP. Too small an area to be practical to replant. Recommend instead applying the planting FTP for adjacent stands 71, 171, & 271 over this stand in about 40 years after those stands are harvested. Used old SI. <J1														
173	U1	G0	4			0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : U/G with scattered JP, NPO & RM.														
203	A2	U1	4	6	1	0	73	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : A2-A3 at W & E ends, U1/J1 in the middle with scattered RP saw, poles & saps. A2/U1/J1														
204	R6	U1	14	41	7	80	53	red pine	immature	N		20-29 years	0	
comnts Fmd : RP underplanted in '64. JP/O/A removed in '99, most of stand also 3rd row thinned. Has varying-size RP poles that are responding to release. Low SI due to years of being suppressed by JP/O overstory.														
213	A6	N1	6	42	7	90	67	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Aspen stand with ~1/4 of stems not yet merchantable, but also with scattered TA saw, poor NPO saw, super-canopy RP, & WP regen filling in below. A5/R7/O7/W4														
257	A3	U1	7	15	2	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Same as stand 57														
261	J2	G0	12	15	2	0	50	jack pine	immature	N		40-49 years	0	
comnts Fmd : Same as stand 61														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 22

Entry Year: 2007

\* 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	Acres	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H	Tot. BA							
264	U1	G0	2			0	upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Former private property aquired in 2001. Has small 3-room log cabin, ransacked of course, with monster mouse nests. 2 privies. U/G filling in with JP, BF etc.													
271	J1	G0	11	17	2	0	53	jack pine	sparse	N	40-49 years	0	
comnts Fmd : Is that part of stand 71 that was burned by a wildfire in August '04. Mortality ranged from 0 to 100% in the 10' JP regen. The JP was already producing cones, so the fire may result in a second round of JP regen. Was ~J2/J3 before the fire, is J1/J2 currently. Was cut in '88 and naturally regenerated.													
273	J5	J1	11	34	6	70	53	jack pine	immature	N	20-29 years	0	
comnts Fmd : Same as stand 73 (split off by stand 173), except for more scattered RP saw. J5/R4/R7													
304	R6	A1	18	41	8	70	55	red pine	immature	N	20-29 years	0	
comnts Fmd : RP underplanted in '64. 3rd row thinned & JP/O/A removed in '98. RP poles vary in size, but are more uniform than in stands 4, 104 or 204. Stand is responding to release. R5/R7													
400	G0	G0	1			0		grass	nonstocked	N		not scheduled	0
comnts Fmd : Well site dominated by spotted knapweed, with some grass.													
401	G0	G0	1			0		grass	nonstocked	N		not scheduled	0
comnts Fmd : Well site dominated by spotted knapweed, with some grass.													
402	G0	G0	1			0		grass	nonstocked	N		not scheduled	0
comnts Fmd : Well site dominated by spotted knapweed, with some grass.													
403	G0	G0	1			0		grass	nonstocked	N		not scheduled	0
comnts Fmd : Well site dominated by spotted knapweed, with some grass.													
404	G0	G0	5			0		grass	nonstocked	N		not scheduled	0
comnts Fmd : Powerline ROW perpendicular to Consumers Power ROW.													
405	G0	G0	2			0		grass	nonstocked	N		within 0-9 years	0 opening maintenance
comnts Fmd : High quality wildlife opening, almost pure grass. Maintain as needed through FTP's.													
406	G0	G0	10			0		grass	nonstocked	N		within 0-9 years	0 opening maintenance
comnts Fmd : High quality wildlife opening, almost pure grass. Maintain as needed through FTP's.													
Total Acres.....			1535										