

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 237 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. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
1	Q4	Q1	29	76	8	30	45	mixed swamp conifer	immature	N		20-29 years	0	
comnts Fmd : Varying density Q stand, dominated by spruce w/ occasional B fir, cedar, RM, & scattered RP/WP saw on higher ground. Lower density Q south of Lewiston Grade Rd, filling in L-type. Q4/Q1														
2	L2	L2	39		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush species (tag alder, red-osier dogwood) with Q regen filling in, struggling TA & Bam, & small inclusions of Q4.														
3	W8	N1	15	86	18	70	51	white pine	two aged	N		20-29 years	0	
comnts Fmd : Gnarly old W7 along w/ 10 BA RP sawtimber serving as seed source for the stand developing below: mostly WP poles, w/ pathces of RP poles & some small WP saw. F1/W1 regen w/ some areas of W3. Includes a narrow strip of large WP on low ground rimming L-stands 15 & 16. W7/W4														
4	Q5	Q1	18	87	7	50	33	mixed swamp conifer	low quality	N		not scheduled	0	
comnts Fmd : Insanely slow-growing tamarack on wet ground w/ tag alder & swamp grass below. Small patch of cedar on N line. Includes a couple-acre island of high ground & occasional off-site WP. Narrow drainage @ N end.														
5	L3	L3	2			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Primarily swamp birch & salix spp shrub cover, with tamarack regen filling in.														
6	J6	U0	7	49	8	70	56	upland brush	two aged	N	final harvest	within 0-9 years	1	
comnts Fmd : Two-age JP: older JP saw acted as seed trees, resulting in a second age class of JP poles around them. Mortality in the overmature JP saw, including a quarter-acre pocket w/ 100% mortality. Small 1/10 acre leatherleaf bog on the E side; leave a 1/2 chain buffer around it. Per Wildlife Division's goal of setting back the tree cover encroachment on Stand 14's upland brush/grass cover type: final harvest all stems 2" and up, but leave the few scattered oak and red pine. Apply the same treatment specs & harvest along with stands 7, 8, 12 (note Natural Rivers set-back), 13 & 15. These stands will be converted back to an upland brush/grass cover type and will become part of stand 14 again. J6														
7	J5	U1	2	49	8	50	56	upland brush	two aged	N	final harvest	within 0-9 years	1	
comnts Fmd : Multiple-aged JP & larger oak saw, both rel. poor quality; the younger JP short & branchy. Used adjacent stand 6's site index. Small stand area w/ diffuse boundary. Final harvest along with stands 6, 8, 12, 13 & 15; applying stand 6's harvest specs and objectives. J4/O7														
8	A5	A1	12	32	6	40	57	upland brush	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : Aspen stand in it's early 30's w/ ~1/2 the stems merchantable, occasional overmature stems, RP saw, U-inclusions. Final harvest to revert to U/G along with stands 6, 7, 12, 13 & 15, applying stand 6's harvest specs and objectives.. A4/R7														
9	L3	L3	1			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Tag alder & E. Branch AuSable river & floodplain.														
10	R8	G0	4	56	14	60	65	red pine	two aged	N		20-29 years	0	
comnts Fmd : Small acreage RP sawtimber stand abutting river corridor & pvt property; also contains overmature JP along the river, large WP, & WP/RP/JP/TA poles. Since Stand 12 along the river is prescribed for treatment this YOY, consider treating in 20 years w/ stand 8. There are 2 yard/mowing trespasses. Used more conservative SI and based stand age on younger saw component. R7/R4														
11	L3	L3	4			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Tag alder & E. Branch AuSable River & floodplain. Scattered aspen @ transition w/ upland pine types.														

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12	J8	U0	8	62	12	60	53	upland brush	mature	Y	final harvest	within 0-9 years	1
<p>comnts Fmd : Overmature JP saw/poles along the river floodplain with dying & wind-thrown stems. Nice large oak saplings in the N 1/2, but not enough to call O1 overall. Did not take SI's on the oldest JP component & went with the more conservative estimate. Stand age based on the younger poles, not the overmature sawtimber. Final harvest along with stands 6, 7, 8, 13 & 15. Apply stand 6's harvest specs & objectives, except leave all white pine too and leave a 150' Natural Rivers buffer from the west edge of the East Branch of the AuSable's river channel. While the overall objective is to maintain a U/G type west of the road, a mix of oak, WP, RP & JP is likely to become established east of the road & is acceptable. J7/J4</p>													
13	J5	U0	10	44	8	50	54	upland brush	two aged	N	final harvest	within 0-9 years	1
<p>comnts Fmd : Gerrymandered stand boundary, picking up pockets of JP that have been slowly growing together like spots of mold in a petri dish. Ranges in density from U-inclusions to J4 to J6. There is a low-density overmature JP saw component that seeded in the now pole-sized JP, with an advancing perimeter of JP regen around each pocket of trees. Did only one SI since it was v. close to adjacent stands values. Final harvest with stands 6, 7, 8, 12 & 15, applying stand 6's harvest specs & objectives. J5</p>													
14	U1	U1	196			0		upland brush	nonstocked	N		not scheduled	0
<p>comnts Fmd : Upland brush: cherry, short branchy JP, dotted with 1-2 acre inclusions of JP & TA poles. Criss-crossed with old RR grades, some tank traffic in the past. Along the N edge: 3 small pocket marshes with open water & bullrushes. S edge along pvt line: a line of contorted Scotch Pine, & 2 inclusions of scattered RP saw & gnarly old oak with JP trying to fill in. The stand will be expanded north of the tank trail by cutting and converting stands 6, 7, 8, 12, 13 & 15. U/G</p>													
15	J5	N1	9	45	8	50	55	upland brush	two aged	N	final harvest	within 0-9 years	1
<p>comnts Fmd : Similar to stand 13: low-density overmature JP saw component seeded in pockets of JP that are spreading & growing together across the U-type. Decent site for JP -- the entire J/U area in Sec 22 is close to the water table, with small bogs in any depression >4' deep. Final harvest along with stands 6, 7, 8, 12 & 13, applying stand 6's harvest specs & objectives. J5</p>													
16	L3	L3	3			0		lowland brush	nonstocked	N		not scheduled	0
<p>comnts Fmd : Tag alder, salix spp w/ open areas of heavy marsh grass, tamarack regen filling in from the north.</p>													
17	L3	L3	6			0		lowland brush	nonstocked	N		not scheduled	0
<p>comnts Fmd : Tag alder, salix spp w/ open areas of heavy marsh grass.</p>													
18	R8	N1	26	91	16	60	65	red pine	two aged	Y	seed tree	within 0-9 years	2 natural regeneration
<p>comnts Fmd : Naturally-established RP stand that had portions thinned in '78 & '89: these areas were more or less seed-treed & have nice W2/R1 below. Recommend a seed tree cut over the rest of the stand. Average 20 BA in seed trees, reserving vigorous younger sawtimber & nearly saw-sized poles, where possible, for that purpose. Favor what few WP saw there are for seed trees. Remove all overstory sawtimber in previously-thinned areas if the regen stocking is adequate and don't count these areas against the 20 BA average target. Leave all good WP/RP poles: release them - don't leave seed trees nearby - and also don't count these areas toward the 20 BA target. Remove merchantable JP. Particularly along the N edge of the stand (bordering low-density P/L types) try to leave seed trees in clumps of 3 or 4 for windfirmness. Harvest when the ground is not frozen to maximize scarification and add harvest spec's to protect the regen. Protect 1/10 acre pot-hole bog in W center of stand. Potential cabin-long sale: set up with stands 26, 28, 32 & 34. R7/R4/W4</p>													
19	P5	E1	8	39	7	40	57	balsam poplar & swamp aspen and swamp white birch	sparse	N		20-29 years	0
<p>comnts Fmd : Sparse aspen on low, we ground, mostly TA, most of the BAM is dying off. Scattered overmature TA saw, with a majority of stems in the pole class & 30-40 years old. A 4'-wide drainage runs roughly N-S through the stand's middle. Given the stand's small area, poor quality & low volume, wet ground & proximity to L/Q types, this stand may be best suited for a wildlife cut in 10-20 years. P4/E4</p>													
20	J5	J1	12	51	7	40	48	jack pine	two aged	N		10-19 years	0
<p>comnts Fmd : Varying density JP stand typical to this section: pockets of poles spreading outward from around old remnant JP saw seed trees, slowly filling in the adjacent U/G type. Oldest poles @ seed-tree epicenters could be harvested now, but it would be more practical to treat the stand as a whole when most of the stems are mature. Look at in 10 years &, if health is maintaining, let the stand grow 10 more years. J4/J7</p>													

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					B	Tot. BA								
21	U1	U1	4			0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Grassy opening filling in with cherry brush, JP & WP; also has scattered mature RP & Oak.														
22	A5	A1	27	38	6	60	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : 30-40 year old aspen poles, ~1/3 of the stems not yet merchantable, with 10 BA overmature TA saw, small pockets of Bam, RP & WP saw & poles scattered throughout & heavy WP regen in places. Stand meanders around 4 L-types & includes 2-1/10 acre wet pot-holes north of the tank trail. Let rest of stems move into the pole class & look at treating in 10 years. Will convert to a WP stand if not treated. A5/W4														
23	L3	L3	2			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush: salix spp, red-osier dogwood.														
24	U1	U1	3			0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Grassy opening filling in with cherry brush & JP, with scattered RP & oak saw.														
25	L3	L3	1		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush: salix spp, red-osier dogwood over marsh grass.														
26	R9	N2	2	43	14	90	66	red pine	two aged	N	delayed removal	within 0-9 years	2	
comnts Fmd : Good site for RP & WP in terms of growth rate & ability to naturally regenerate; some 40 year old RP are in the 14" diam class & there is good WP/RP regen & small poles. Remove the sawtimber overstory to release the poles, saplings & seedlings. Remove the merchantable JP also. Set up as one sale with stands 18, 28, 32 & 34. Avoid putting landing within this small stand; skid through to nearby U-type. Used more conservative SI from young saw. '95 SI was on the older saw component RP-1946-57. R7/R4/W4														
27	L3	L3	1			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush: salix & cornus spp, TA & bam at margins.														
28	R6	R1	2	43	8	100	66	red pine	two aged	N	delayed removal	within 0-9 years	2	
comnts Fmd : Very similar to stand 26, but with regen heavier to RP than WP. Again, remove the overstory sawtimber to release nice poles & regen. Remove merchantable JP also. Leave few old WP saw for continued seed source. Used stand 26 SI. ('95 SI: RP-1946-57). Set up as one sale with stands 18, 26, 32 & 34.														
29	U1	U0	2			0	0	upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Cherry brush in opening, scattered lg RP saw & JP/WP poles. U/G														
30	J6	J1	15	39	9	90	60	jack pine	two aged	N		10-19 years	0	
comnts Fmd : Low density JP saw acted as seed trees for existing pole stand. RP saw scattered throughout. The overmature JP saw is dying out as the JP stand slowly spreads into the adjacent U-type. Site index is decent, so allow the poles to mature & treat in 10 or 20 years with stands 13, 15 & 20. J5/R7/J7														
31	U1	U1	6			0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Cherry brush with JP filling in from edges. Small TA clones to N & E. ATV trail runs S through it to pvt. U/G														

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					B H	Tot. BA	Site Indx							
32	R9	N 3	4	93	18	90	54	white pine	mature	Y	delayed removal	within 0-9 years	2	
<p>comnts Fmd : Mixed RP/WP sawtimber stand, was thinned in '78. Has outstanding WP regen in lg seedlings & saplings, R2 to the south. Has overmature JP more to the south also. Some dieback in the WP saw. Remove the entire overstory to release the WP/RP regen. Apply harvest specs & monitor operations to protect regen as much as possible. Put landing in adjacent U-type. R8/W7/J4</p>														
33	A4	N 1	4	34	6	30	68	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Small aspen pole stand, filling in heavy below with WP where it borders stand 32. Is made up of 2 separate clones drawn as one polygon. High SI probably due to relatively young age of aspen.</p>														
34	J6	G 0	2	55	9	90	47	jack pine	mature	N	final harvest	within 0-9 years	2	natural regeneration
<p>comnts Fmd : 50-60 year old JP stand with younger stems @ perimeter. Mortality & top-dieback beginning to occur in older component. Final harvest all merchantable JP. Given its small acreage, set up as one sale with adjacent stand 32 (& 18, 26, 28) that has a minor JP component to remove. Harvest when the ground is not frozen to maximize scarification. J6/J7</p>														
35	L3	L 3	10			0		lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Lowland brush in E. Branch AuSable River floodplain with scattered aspen inclusions & JP regen along the river terrace.</p>														
36	J5	N 1	2		8	50	54	jack pine	unevenaged	N		not scheduled	0	
<p>comnts Fmd : Bounded by river & pvt; a narrow, v. mixed stand with JP the only common theme. Impractical to manage - has more value if left for age-class diversity along the river. Used stand 13 SI. J4/J7/O4</p>														
37	J4	J 1	3	8	5	10	45	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Cut in '97, all JP >6" DBH. Residual JP small poles & JP seedlings, saps & advanced O1 regen, along with scattered v. poor quality NPO saw. Used pre-harvest SI. J4/J1/O1</p>														
38	X0	X 0	1			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Jone's Lake Road & right of way.</p>														
39	J4	J 2	15	8	7	20	45	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Cut in '97, all JP >6" DBH. Residual small JP poles along with JP seedlings/saps, seed-source O1 to O3, & poor quality NPO saw heavier to W half of stand. Used pre-harvest SI. J4/O7/J2/O1</p>														
40	O8	N 2	24	90	15	50	54	oak	two aged	Y	seed tree	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Oak overstory ranges in age from the 80's & 90's (mostly large saw, often "wolf" trees, along with small saw & large unthrifty poles) down to the 50's & 60's (some poles & small saw). Decent quality RO & WO with the usual associates: BTA, JP, RM, RP & enough scattered WP saw to seed in a W2 understory. Oak is growing slow & some dieback is occurring in the older sawtimber. Recommend a seed tree cut, removing the mature oak sawtimber, aspen, JP & red maple, & selecting the best-quality, most vigorous & healthy oak poles & small saw to leave for cover, seed source & mast production, averaging 20 BA residual (Don't strictly follow the "partial cut volume" in OIPC -- the intention is not to remove every RO saw & leave all oak poles, but rather to remove just the mature, declining, or unthrifty oak in either class, down to 20 BA). Also leave all WP/RP for additional seed source & leave 1-3 of the WO "wolf" trees per acre as future den trees. Goals of the cut are to achieve stump-sprout & seed-source oak regen while the stand is still relatively healthy, release the existing oak & WP regen, & release the selected leave trees. Harvest in winter to reduce stress of harvest on the residual oak & prevent erosion on the hillsides. Short-wood harvest to limit damage to the regen & seek military approval to leave the tops where they fall to act as physical barriers to deer to reduce browse on regen. There is currently very little vehicle use in this stand because of terrain limitations. Treat as one sale with stand 41; also include in this sale stand 13 in the adjacent compartment 238. Leave an uncut buffer on the S & W edges (along the tank trail & range trail) of sufficient width to discourage off-roading & to exclude steep slopes. 07/O4/A4.</p>														

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					B	Tot. BA								
41	O8	N1	32	91	14	50	52	oak	two aged	Y	seed tree	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Mixed oak stand with the usual associates: JP, aspen, RM & scattered WP/RP saw. Terrain a series of ridges, up to 40% slope in places, but the hills are relatively short. Oak regen mostly heavily browsed. Nice WP saplings in areas but only W1 at best overall. Decent-quality RO with little hybridization. Oak age ranges from the 50's to the 90's. Treat the same as Stand 40 - see that stand's comments for specs - and set up as one sale. Also include stand 13 in the adjacent compartment 238 in this sale. Leave an uncut buffer on the stand's S & E edges (along the tank trail) to discourage off-roading and exclude steep slopes. O7/O4/M4</p>														
42	J4	J2	8	8	6	20	45	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Cut in '97, all JP >6" DBH. Residual JP small poles & scattered poor quality NPO saw & poles w/ dieback in the NPO saw. There are areas with nice oak saps, ranging from O1 to O3. Used pre-harvest SI. J4/O4/O7/J2</p>														
43	X0	X0	1			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Jone's Lake Road & right-of-way.</p>														
44	J4	J2	1	74	7	30	55	jack pine	two aged	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to small acreage</p>														
<p>comnts Fmd : 1 acre +/- N of road, was prescribed but not treated with stand 42 on S side of the road. 1/4 acre is mowed & a pvt road "Newatch Ave" appears to have been put in entirely on State & is in trespass. Overmature JP saw is breaking up, but there is nice oak/JP sapling development below. J4/J7 Recommend disposal.</p>														
45	O4	M2	20	27	5	30	58	oak	immature	N		30-39 years	0	
<p>comnts Fmd : Clearcut in '78. 30-40' sprout-origin oak with an equally large component of RM sprouts, & denser BTA to the N. Most of the stems are still pre-commercial. An uncut inclusion lies on the v. narrow triangle btwn the pvt fence & the tank trail at the stand's S end; it includes large RO, BTA & WP/RP saw. O4/M2/O2/A1</p>														
46	G0	G0	47			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Clearcut & stumped inside of & along the Range 30 fence in 2001. Grass is the management objective but there is some aspen & oak regeneration occurring. G/A1</p>														
47	A4	O2	121	27	5	0	58	aspen (upland)	immature	N		not scheduled	0	
<p>comnts Fmd : Interior of fenced-in Range 30, as viewed from perimeter since access is prohibited: 30-40' regen from '78 clearcut, composed of oak & RM stump sprouts & aspen root suckers. A4 overall, with some areas heavier to oak/RM. Some of the oak, RM & aspen stems are reaching pole-size. There is an inclusion of mature oak sawtimber (~O8) at the N end along the fence, and there is scattered WP & RP. A4/O4/M4</p>														
48	O7	M1	15	70		0	58	oak	two aged	N		not scheduled	0	
<p>comnts Fmd : Interior of no-access Range 30, so info is projected based on previous info. '85 inventory showed it as O5/E4/A2 & the '95 map typed it as O5. Appears to have denser aspen in the N half. Used old SI. O7/A5/M4</p>														
49	O7	M1	1	70		0	58	oak	two aged	N		not scheduled	0	
<p>comnts Fmd : Split from stand 48 - see that stand's note regarding no access & projected data. O7/A5/M4</p>														
50	U1	U1	221			0		upland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Open interior of Range 30 fenced area. Covered with low-density, short shrubby oak, JP, RP & cherry brush. Live fire tank use area. U/G</p>														

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					B	Tot. BA	Site Indx							
51	A6	U0	29	47	8	80	75	aspen (upland)	two aged	N	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : While aspen (mostly BTA) dominates the site overall, the red maple component is just as dense & there is quality red oak along with WO. Good site; all species put on very good height growth. There are some inclusions of spindly aspen in the N & center of the stand, but most of the clones are mature & have a good proportion of saw-sized stems. The stand boundary also includes some opener areas (with low-density RM, RP & oak) in order to encompass outlying aspen clones. Most of the aspen clones & multiple-stem RM poles are younger than the oak and RM saw & most likely date back to 91-57A "National Guard Clearing"; a treatment found in the ownership card file. I adjusted my SI age to reflect that '58 treatment & dropped a couple of cores that were difficult to age & seemed extreme. Recommend final harvest to regenerate the aspen. There will be significant RM sprouting, too. Given the dominance of the aspen & RM, oak management is impractical, even though the oak there is good quality. There is no oak regen now, & leaving the oak while cutting the RM & aspen would not allow for seed-source regen. The best bet for maintaining any oak in the stand in the long run would be to cut it now & let it compete as it does best: as stump sprouts. A4/M4/A7/M7/O7</p>														
52	O2	M2	5	27	4	0	50	oak	immature	N		30-39 years	0	
<p>comnts Fmd : Cut in '78. 30-40' tall oak & RM stump sprouts with a little aspen. Most stems are not merchantable yet. Seed-origin oak saplings below the stump sprouts. Used old SI data. O2/M2</p>														
53	O8	U0	120	68	13	60	49	oak	two aged	N		10-19 years	0	
<p>comnts Fmd : Poor quality NPO with some RO/WO. In heavily-used encampment area north of MATES facility, with driving almost everywhere. Most of the oak regen is on a few hillsides where terrain limits driving. Given the current use, cannot expect to get viable seed-origin oak. Will need to rely on stump sprouts. Per this & previous SI's, oak age generally runs in the 60's with older lg. Saw component 80+ years old. Given the # of adjacent stands proposed for treatment this YO, hold & treat next YO. Final harvesting & leaving the tops as barriers to browsing deer would be most effective but probably would conflict with military needs. Inclusion of couple acres of nice oak sawtimber on the S & W edges of stand 52. Used older year of origin. O7/O4</p>														
54	G0	G0	13			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Grassy opening along section line travel corridor, with scattered cherry brush, JP & oak regen at the margins.</p>														
55	J5	O2	35	46	8	50	54	jack pine	two aged	N	delayed removal	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Low density overmature JP saw over poles in their 40's & 50's, with scattered RP, WP & NPO. Areas to N & W with nice advanced WO regen. Individual trees with JP budworm defoliation. Remove all JP 6" DBH and up, releasing the JP & oak regen while leaving the small JP poles for additional seed. Leave all RP & WP. NPO is v. poor quality but it is seeding in viable oak regen, so leave for that function. Treat with stands 57, 59 & 60. Harvest when the ground is not frozen to maximize scarification but also add spec to protect the existing regen. Previous SI on the overmature saw was: JP-1936-42. J5/J7</p>														
56	G0	G0	3			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Grassy opening with stump piles, scattered oak & JP.</p>														
57	J5	J1	27	54	7	60	52	jack pine	two aged	N	delayed removal	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Two-aged+ JP: poles & occasional saw over large saplings approaching pole class. O2 below, some above the browse line, seeded in by poor-quality NPO. Treat along with stands 55, 59 & 60 (see stand 55 comments re spec's). J5/O7</p>														
58	X0	X0	7			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Grass, spotted knapweed, but mostly open sand from a lot of tracked-vehicle traffic. Scattered NPO & JP/RP along the edges.</p>														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 237 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	Acres	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
59	J5	O1	86	42	6	40	41	jack pine	two aged	N	delayed removal	within 0-9 years	1	natural regeneration
comnts Fmd : Most of this stand was cut in '63. Low-density JP poles & occasional saw over JP regen & areas of advanced O2. Poor-quality oak are concentrated more in the N1/2 but are scattered throughout & are seeding in viable oak regen. JP budworm defoliation present in older overstory stems, mostly in SE of stand. Dieback is just beginning to show in the suppressed JP regeneration. Because planting is unlikely in this heavy military-use area, I recommend cutting this stand now - even though it would normally be allowed to grow 10-20 more years - in order to take advantage of the existing regen to jump-start the stand's re-establishment. This relatively early removal would release the JP & oak saplings & leave the small JP poles & all oak for additional seed, thus maintaining more continuous cover over time than if the entire stand was allowed to reach maturity & was then final harvested. This treatment is based on the assumptions that the military would prefer quicker stand establishment & that the area probably would not be planted. Remove all JP that is 6" DBH & up, leave all oak, & protect the existing JP & oak regen. Harvest when the ground is not frozen to maximize scarification. Treat with stands 55, 57 & 60. J4/O4														
60	J4	J1	18	42	8	30	40	jack pine	two aged	N	delayed removal	within 0-9 years	1	natural regeneration
comnts Fmd : Part of stand was cut in '63. Low-density JP poles over oak saps & J1-J3 saps, scattered NPO saw. There is some mortality in the overstory JP w/ budworm damage, mostly along N. Down R. Rd. About half of the stems are merchantable. Remove the JP overstory now (6" DBH & up) to take advantage of the existing regen. See stand 59 comments regarding spec's. Set up as one sale with stands 55, 57 & 59.														
61	I0	I0	67					local use	nonstocked	N		not scheduled	0	
comnts Fmd : MATES (Mobilization & Training Equipment Site) military facility associated with the MPRC (Multi-purpose range complex) also known as Range 30. Includes fenced area with multiple buildings, a couple acres of Q & a couple acres of oak/WP/RP saw bounded by MATES fencing & the pvt deer ranch fence in the SW corner, and a strip of J3 between the MATES fence & N. Down R. Rd.														
62	X0	X0	6					other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : North Down River Road & N. Headquarters Road right-of-ways.														
108	A5	A1	3	32	6	40	57	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Aspen stand in it's early 30's w/ ~1/2 the stems merchantable, occasional overmature stems, RP saw, U-inclusions. Split from stand 8 at the road. Stands west of the road will be converted back to U/G and will be part of stand 14 again. A4/R7														
113	J5	U0	20	44	8	50	54	jack pine	two aged	N		20-29 years	0	
comnts Fmd : Gerrymandered stand boundary, picking up pockets of JP that have been slowly growing together like spots of mold in a petri dish. Ranges in density from U-inclusions to J4 to J6. There is a low-density overmature JP saw component that seeded in the now pole-sized JP, with an advancing perimeter of JP regen around each pocket of trees. Did only one SI since it was v. close to adjacent stands values. Split from stand 13 to serve as a visual buffer for stand 14 and an off-roading deterrant along the tank trail. J5														
115	J5	N1	6	45	8	50	55	jack pine	two aged	N		20-29 years	0	
comnts Fmd : Similar to stand 13/113: low-density overmature JP saw component seeded in pockets of JP that are spreading & growing together across the U-type. Decent site for JP -- the entire J/U area in Sec 22 is close to the water table, with small bogs in any depression >4' deep. Also allow this stand to develop 10-20 years (depending on stand health) into a more cohesive and practical to manage stand. Split from stand 15; will be left to serve as a visual barrier (along with stand 113) for the U/G stand 14 and to discourage off-road traffic from the tank trail. J5														

Total Acres..... 1453