

\* 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	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	A 6	U 1	3	59	6	90	46	aspen (upland)	low quality	Y	final harvest	within 0-9 years	2	
<p>comnts Fmd : 2007: Stand smaller than originally thought. There is an O4/O7 belt around it(stand 11). If treated extend sale into stand 11 to try and expand the aspen. Poor quality for the most part, but has a few pockets of OK looking aspen. Occasional oak and red maple can be found in stand. No retention. Stand should regenerate to a moderate to fully stocked aspen stand with minor components of oak and maple. If stand does not properly regenerate it should be planted to jack pine or white pine. (old comments) STAND JUST BECOMEING POLE SIZE. TREAT NEXT YOE.</p>														
2	O 4	U 1	24	26	4	20	52	oak	immature	N		50-59 years	0	
<p>comnts Fmd : Possibly some advanced regen left from the last treatment. Several dimple-like open areas-maybe due to past frost damage? Some aspen and red pine also found in stand but it is poor quality. Much of regen has not reach merchantable size. (old comments) OPENING WITH POCKETS OF CHERRY AND ASPEN. Stand was final harvest 1980.</p>														
3	J 6	O 1	89	76	8	70	49	jack pine	two aged	Y	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : About a 3 acre pocket of poor quality aspen in NE corner. Excellent intermediate oak regen but it is already around 30yrs old. Dead and dieing jack pine found throughout. The jack pine seems to have 2 distinct age classes 40ish and 70ish. Debris from military can be found throughout. This stand borders Range 13. A very small amount of white and red pine regen. Final harvest w/ reserves (see stand 100). Set up sale and burn with stands 7, 8, 38 to try and achieve natural regen. Mark out a handful of the bigger oak to leave for vertical structure and mast. Leave/protect red pine, and white pine. Also include several small islands (up to .5 acres in size) that include the better quality jack pine and smaller diameter oak. (de-limbing optional in this stand). Look for differences (or lack of) in stem densities, species diversity, and failed regen areas between the different stands in the sale area during regeneration surveys. Stand should regenerate to a moderate or fully stocked mixture of jack pine and oak with pockets of aspen and mixed pine. Open "pine barren" type areas are expected and acceptable. Make sure to buffer the military firing points and any corners(see stand 100).</p>														
4	U 4	G 0	16		4	10		upland brush	low quality	N		not scheduled	0	
<p>comnts Fmd : 2007: open w/ sedge, grasses, and sweetfern. There is a belt of O7 in the NW. Scattered cherry, jack pine, and pockets of aspen. If we want to maintain as an opening we could burn w/ adjacent stands? (old comments) SCATTERED OAK AND JACK PINE, but not concentrated anywhere. Leave as opening.</p>														
5	O 4	O 2	39	69	7	40	49	oak	sparse	N		20-29 years	0	
<p>comnts Fmd : O4/O5. Open u-type pockets throughout. Another 2 age class stand 70+ and 30-40ish. The aspen is poor quality. Some areas of oak regen are doing very well. Perhaps an old diameter limit cut in this stand? A small amount of natural pine regen found in southern part of stand.</p>														
6	U 2	G 0	4		3	0		upland brush	low quality	N		30-39 years	0	
<p>comnts Fmd : 2007: There are a few sticks of merchantable jack and oak. Looks like it may have been an old firing point? There is a big horseshoe berm in the center of the stand. This stand is starting to get swallowed up by the surrounding stands. (old comments)OPEN WITH BLACK CHERRY. NORTHERN PIN OAK WITH AN A2, JP2, SCATTERED.</p>														
7	J 6	O 1	86	76	7	70	45	jack pine	two aged	Y	final harvest	within 0-9 years	2	natural regeneration
<p>comnts Fmd : 2007: Patchy- Majority of the smaller jack pine seems to be along the road. Lots of junk. Stand has a few areas of advanced oak regen(not quite as much as stand 3 to the north). Final harvest w/ reserves (see stand 100). Harvest all trees 2" and up, this stand must have all pine trees delimbed in the sale area (tops then will be chipped). Set up and burn with stand 3, 8, 38. The stand should regenerate to a moderately to fully stocked jack pine stand with oak and mixed pine. Stand should regenerate to a moderate or fully stocked mixture of jack pine and oak with pockets of aspen and mixed pine. Open "pine barren" type areas are expected and acceptable. Make sure to buffer the military firing points and any corners(see stand 100). See stand 7 for regen survey comments. (old comments) HEAVEY J3 IN SPOTS, WITH SOME ADVANCE OAK REGEN. JUST IN A FEW AREAS.</p>														
8	O 5	O 1	56	75	7	60	40	oak	low quality	N	final harvest	within 0-9 years	2	natural regeneration
<p>comnts Fmd : Lots of dead oak and jack pine in stand. This stand is older than it looks. It does have the two age class structure like the rest of the stands on this side of the range. Some pockets of OK regen-this stand is fairly open throughout. Jack pine makes up more of the south. Final harvest w/ reserves. Leave some islands of healthy oak and jack pine. Cut and burn with stands 3, 7, and 38, the management objective is oak but any natural regen at minimum or higher stocking with an oak component will be considered a success. See stand 7 for regen survey comments. (old comments) LOW QUALITY JP, NPO. OAK CONCENTRATIONS IN THE NORTH , JP IN SOUTH AREAS WITH O2, J3 THROUGHTOUT, OPEN AREAS &lt;1 ACRE PERSIST)</p>														

\* 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		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
9	J5	J2	21	38	5	60	48	jack pine	immature	N		20-29 years	0	
comnts Fmd : A couple big red pine and oak. Smallish jack pine, it will most likely be a J6 next YO. A couple open u-type areas. Year of origin was estimated. (old comments)A J3 STAND WITH SCATTERED OAK ALONG THE EDGE OF THE STAND														
10	A5	U1	4	38	5	40	46	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : 2007: Will be an A6 soon. SI and origin estimated (old comments) A FEW POLE SIZE BUT NONE IN MY PLOTS.														
11	O4	A1	6	75	7	30	40	oak	low quality	N		10-19 years	0	
comnts Fmd : Belt around stand 1. Some of this stand may be included w/ stand 1 with the intent to expand the aspen. Leave the rest as a mast source and vertical structure.														
12	U1	G0	865		0	0		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : RANGE 13. (MORTAR) Stand is open and brushy w/ scattered islands of oak/aspen/jack. This area is burned over just about every year. There are some National Guard Structures and old junked out cars.														
13	U4	U1	21			10		upland brush	nonstocked	N		not scheduled	0	
comnts Fmd : RANGE 17. GRENADE RANGE NOT FENCED OFF. Several berms and open x-type areas. Perimeter of stand is posted close.														
14	O6	M2	57	74	9	90	55	oak	two aged	N		10-19 years	0	
comnts Fmd : 2007: Stand is on a slope with a southern aspect. The higher up the slope the poorer the quality of oak. Many red maple stump sprouts reaching 10 feet. Aspen regen is scattered in isolated pockets. There are several pockets w/ noticeable white oak regen- but it is small stuff.(old comments) CUT ALL ASPEN AND RED MAPLE LEAVE ALL OAK. Stand thinned 2001. Timber sale number 720120001														
15	O7	A2	30	78	9	40	60	oak	mature	N		10-19 years	0	
comnts Fmd : 2007: DECENT LOOKING OAK, POCKETS OF A3. THERE SEEMS TO BE A HIGHER BA OF OAK ON THE WEST SIDE OF THE STAND. POORER QUALITY OAK IN THE SOUTHERN FIGURE. HOLD TEN YEARS AND HARVEST OAK AND THE ASPEN/RED MAPLE POCKETS. SOME SAWLOG WHITE OAK PRESENT (old comments) STAND THINNED 1990. HEAVY RED MAPLE STUMP SPROUTS.														
16	O9	A2	56	87	9	70	55	oak	mature	N		10-19 years	0	
comnts Fmd : 2007: Hilly. There is a belt of norther hardwoods along the southern edge of stand. All oak left in sale. A couple of nice pockets of white oak regen. Pretty good looking oak.(old comments) Nice healthy oak Hilly terrain. May need to mark pockets of oak to 70 BA. Leave red maple (cut aspen only). All aspen was harvested and some individual oak trees were marked for harvesting . Average residual of 75BA was left. Timbersale # 721300-01.														
17	A4	M1	18	25	4	20	70	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Mixed aspen with scattered red maple. This is a immature A4/A5 going on an A6. Still bunches of trees that are not merchantable. There is a minor conifer component in the understory. Still A3-ish in many spots. Some oak stump sprouts present as well.														
18	A3	M1	4	18	2	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : STAND FINAL HARVEST 1990. Aspen and red maple approx. 15-20' tall. A few wolfy oak.														
19	A6	M1	26	60	9	110	64	aspen (upland)	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : STAND BORDERS RANGE 13. This stand is a hodge podge. The aspen is mixed. Stand looks as though it has seen its share of disturbances from the military, range, and public. There was a deer camp set up in this stand for the 1st couple weeks of bow season. Final harvest w/ reserves (see stand 101). Harvest all species 2" and up. Leave scattered large healthy oak trees. The management objective for this stand is aspen with some scattered oak and red maple at moderate to full stocking. If natural regeneration is not adequate the stand should be planted to mixed pine around any natural regen. Old SI used														

\* 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	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
20	U 4	G 0	12		4	20		upland brush	sparse	N		40-49 years	0	
comnts Fmd : Open U-type but cherry, pine, and misc hdwds are starting to fill in. A couple sawlog red pine.														
21	A 6	M 2	19	45	9	120	63	aspen (upland)	immature	N	final harvest	within 0-9 years	2	
comnts Fmd : 2007: Aspen is mixed but the majority seems to be big tooth. A few dead broken tops. Some wolfy red pine and maple. Final harvest no retention. May want to leave a couple of the real big sugar maple or red pine for visual. Autumn olive found in southern portions of the stand. This stand will regenerate to a moderate to fully stocked aspen stand with scattered hdwds and a minor conifer component. If natural regeneration fails the stand should be planted to red pine. (old comments)YOUNG ASPEN STAND 6"-7" DIA.														
22	O 6	U 1	25	60	9	100	59	oak	mature	N	final harvest	within 0-9 years	2	
comnts Fmd : 2007: A nice mixed stand. The oak seems to be doing alright. Scattered stems of wolfy oak with aspen pockets and plenty of small diameter red maple. Most of the sugar maple is in the southeast part of the stand along Beaver Rd. Not much for natural regen on the ground. Some big red pine in the southeast providing a nice seed source (leave these trees) A final harvest now would ensure that the diversity of the stand is maintained. Final harvest w/ reserves. Leave a buffer along beaver road as retention. Also leave the big red pine and sugar maple found in the southeast. There is autumn olive found in stand along Beaver Rd. The management objective is oak, but any moderate to fully stocked stand with components of oak, maple, aspen, and mixed pine should be considered a success. If natural regen fails plant the stand to red pine.(old comments) LOW QUALITY HARDWOOD STAND. HYBRID OAK, GYSPY MOTH EGG MASSES.														
23	J 6	M 1	5	48	7	70	46	jack pine	immature	N		10-19 years	0	
comnts Fmd : 2007: Jack pine, younger oak, and a couple pockets of aspen. Leave for visual. (old comments)MIXTURE OF ASPEN, JACK PINE. SCATTERED OPENING < 1/4 ACRE. SMALL ASPEN CLONE < 1/4 ACRE.														
24	U 3	U 1	5		4	0		upland brush	nonstocked	N		40-49 years	0	
comnts Fmd : UPLAND BRUSH WITH SCATTERED OAK ,ASPEN, RED MAPLE. Separated this stand from stand 36. Some invasive concerns along Beaver Rd.														
25	U 6	U 1	17	58	7	80	50	upland brush	immature	N		20-29 years	0	
comnts Fmd : Hodge podge. Autumn olive along Beaver Rd. Especially in NE corner of stand. Some scattered wp regen. Actually some fairly decent looking cherry in areas.														
26	O 7	A 2	34	46	14	30	55	oak	two aged	N		30-39 years	0	
comnts Fmd : 2007: All jack pine and aspen cut. There is a sparse/pockety residual of red pine and mixed oak. Pockets of aspen and jack pine regen throughout. A few areas with noticeable oak regen. In general, red pine component is in the north and the oak component is in the south.(old comments)SOUTHERN HALF HAS VERY GOOD ADVANCE OAK REGEN. AVG. 10' IN HEIGHT. Protect pockets of regeneration. Stand harvested summer 2002														
27	A 3	U 1	56	18	3	0	65	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Mixed A3 ranging in diameter from 2-4". Some cherry and hawthorne in the understory. A minor conifer component in the understory. Open U-type areas scattered throughout. FINAL HARVEST 1990. HEALTHY STAND.														
28	M 9	W 1	3	80	14	120	57	northern hardwood	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Scenic values/visual values														
comnts Fmd : 2007: White pine and hemlock is starting to appear in the understory. Some oak saplings are also present. May want to leave stand to encourage hemlock - white pine.(old comments) LEFT AS A BUFFER STRIP.														
29	U 4	U 2	12		4	10		upland brush	sparse	N		20-29 years	0	
comnts Fmd : Adjacent farms have established well used horse trails across the openings. In the past there has been issues with farm waste being dumped on state land in the NE corner of stand. There is a couple bushes of autumn olive in the stand. Scattered jack pine and white pine regen w/ areas of cherry. Hawthorne, service berry and a ground juniper present as well..														

\* 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	Acrs	Age	avg. D	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
30	M 6	M 1	21	82	9	110	55	northern hardwood	mature	N		10-19 years	0	
<p>comnts Fmd : Virtually no understory in this stand. There is nice quality hdwd in the southern part of the stand. The northern and outside edges of the stand are more of a sawlog oak/red maple type. Treat the higher quality portions with the adjacent compartment when the rest of the N hdwd is thinned. May want to incorporate some of the oak type w/ stand 31 when it is re-entered. Several quality den trees found. Saw turkey, deer, and squirrels while taking plots. Some ash, aspen, beech, and basswood also present.</p>														
31	M 6	A 2	29	80	9	80	49	northern hardwood	two aged	N		10-19 years	0	
<p>comnts Fmd : 2007: All aspen removed from stand in 2002. The oak is getting way up in years but does not seem to be poor in quality. There is decent aspen regen in the pockets where enough sunlight is hitting the ground. Very little residual damage that I could see which is impressive with some of the tight spots found in the stand. I recommend letting the aspen pockets establish themselves for another 10yrs and then maybe final harvesting everything 2" in up to maintain a mixed stand and to help expand the aspen component. The old SI was in the high 60's (old comments) Selection cut LEAVE ALL OAK and RED MAPLE. Stand harvested sumer 2002.</p>														
32	H 9	W 1	5	131	17	160	47	hemlock	old growth (potential or actual)	N		10-19 years	0	
<p>comnts Fmd : Some hemlock regen -but very little. Open ares in stand starting to fill in with white pine. Very little ground cover. Hemlock is in the NE and SE. Red pine is found along eastern edge. (3 separate stands could probably be typed out). A few stubby oak seedlings can be found. Would not expect to find this stand here. If or when treatments happen in or around stand-I would recommend dropping some large conifer nurse logs to try and establish some hemlock regen. Perhaps designate stand as a pocket of old growth (SCA)?</p>														
33	A 6	U 2	11	45	9	80	55	aspen (upland)	mature	N	final harvest	within 0-9 years	1	
<p>comnts Fmd : Separated from stand 21. It is more of a hodge podge. Final harvest with reserves. Leave an island for visual, also leave the real big sugar maple. This stand is starting to get overrun w/ autumn olive. Some control measure may have to be implemented. There are pockets of open areas. The timber is smaller in the west part of the stand and there is no hdwd component. Management objective is a moderately to full stocked aspen stand containing various hdwds and some conifer. If natural regen is not sufficient, plant red pine around established natural regen. HAL concerns see compartment folder for details.</p>														
34	U 1	G 0	9		0	0	50	upland brush	sparse	N		10-19 years	0	
<p>comnts Fmd : Grassy opening w/ pockets of brush and trees. Autumn olive present as well as a clone of white popal. There is scattered mixed pine and hdwds, and a clone of QA.</p>														
35	M 5	M 2	7	39	7	40	50	northern hardwood	low quality	N		20-29 years	0	
<p>comnts Fmd : Thick iron wood in spots. Mixture of aspen clones, mixed hdwd, and pine. Some real big sugar maple and oak. The only constant is the iron wood in the understory.</p>														
36	J 6	U 1	6	33	6	70	49	jack pine	immature	N		20-29 years	0	
<p>comnts Fmd : Jack pine and birch? Unique little stand.</p>														
37	J 2	G 0	2	28	3	0	45	jack pine	immature	N		not scheduled	0	
<p>comnts Fmd : SI estimated. An old open area filling in w/ jack pine.</p>														
38	O 4	U 1	8	35	8	30	40	oak	low quality	N	final harvest	within 0-9 years	2	natural regeneration
<p>comnts Fmd : Pocket of poor quality/sparse oak 70+ yrs old. Final harvest no reserves. Cut and burn along with stands 3, 7, and 8. Management objective is an oak/pine mix. A poor stocked stand with a mixture of pine and oak should be considered a success. If natural regen fails manage the stand w/ the adjacent U-type</p>														
39	U 1	G 0	2		0	0	50	upland brush	sparse	N		not scheduled	0	
<p>comnts Fmd : High water table? Old stumps. Patches of cherry, scatted jack and aspen clones.</p>														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 187 Entry Year: 2000

\* 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	Acrs	Age	avg. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
40	A 6	U 2	32	60	7	80	55	aspen (upland)	two aged	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Delayed treatment for age/size class diversity														
comnts Fmd : Old SI and origin. Poorer quality than stand 19. Areas is influenced by military operations and escaped range fires.														
41	U 4	U 1	3		4	10		upland brush	nonstocked	N		10-19 years	0	
comnts Fmd : AREAS OF OPEN GRASS. SCATTERED ASPEN, OAK, RM. Pockets of witch hazel & some autmn olive														
100	J 6	O 1	28	76	8	70	49	jack pine	two aged	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : This strip will provide a buffer for military firing points. This stand will also provide retention for stands 3 and 7.														
101	A 6	M 1	4	60	9	110	64	aspen (upland)	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : This stand separated from 19 to provide a buffer for firing point 13-5. It will also serve as a retention island for stand 19.														
400	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : A small open bowl or mini frost pocket type stand. Kind of unique so I typed it out as a separate stand. A couple scattered trees found in stand.														
<b>Total Acres.....</b>			<b>1781</b>											