

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 201 Entry Year: 2008

* 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	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	Diameter	Tot. BA							
1	Z 0	Z 0	1	0	0		water	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>													
Military use/easement/lease/long-term agreement													
comnts Fmd : Lake Margrethe & beach.													
2	I 0	O 0	118	0	0		local use	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>													
Military use/easement/lease/long-term agreement													
comnts Fmd : Contains the Michigan Army National Guard's Camp Grayling. This stand intentionally includes a portion of stand 3's oak cover type because there are various buildings and facilities scattered within that zone. Fall 2006: ~5 acres of timber will be cleared for construction of "Distinguished Visitors' Quarters".													
3	O 9	X 0	136	85	12	140	64	oak	mature	Y		not scheduled	0
<u>Treatment Limiting Factors:</u>													
Military use/easement/lease/long-term agreement													
comnts Fmd : Fair- to good-quality small RO saw on rolling to steeply-rolling terrain with ridges & valleys running down toward Lake Margrethe. Small clones of dense BTA are scattered throughout. Stand is within the cantonment fence. There is a lot of deer activity, bedding down & feeding. Every WP sapling has a distinct browse line & the deer have killed any WP sapling less than 5" tall. Old concrete cistern @ W end of stand. The stand's boundary along Camp Grayling intentionally excludes that part of the oak cover type that has various buildings & facilities scattered within it. The width of the excluded O9 type varies from 350-450'. SI averaged across the oak cover type within the fence (6 SI's, range: 61-67).													
4	I 0	G 0	1	0	0		local use	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>													
Military use/easement/lease/long-term agreement													
comnts Fmd : Grassy opening: little blue stem, St. Johns Wort, with fenced facility & small building.													
5	X 0	X 0	1	0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>													
Military use/easement/lease/long-term agreement													
comnts Fmd : Old gravel/borrow pit ? in process of being grown-over.													
6	X 0	X 0	1	0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>													
Military use/easement/lease/long-term agreement													
comnts Fmd : Old gravel/borrow pit ? in process of being grown-over.													
7	O 9	M 1	58	85	13	130	64	oak	mature	Y		10-19 years	0
<u>Treatment Limiting Factors:</u>													
Military use/easement/lease/long-term agreement													
comnts Fmd : Stand on fairly level ground, delineated from the surrounding stand 9 because it encompasses an oval 1-mile track used for military P.T. Contains some very good quality small RO saw & poles, along w/ overmature BTA clones, & RM poles. There are some knobby larger RO, & poorer quality oak near small openings. See stand 3 comments regarding deer browse problems within the cantonment fence. SI averaged across the oak cover type within the fence (6 SI's, range: 61-67).													
8	U 3	M 2	4	2	0		upland brush	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>													
Military use/easement/lease/long-term agreement													
comnts Fmd : Thick cherry brush & RM regen w/ G inclusions.													

* 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.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	B	Tot. BA							
9	O 9	X 0	144	85	12	120	64	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Good-form RO small saw, with suppressed poles. Larger poor-form RO & WO saw around openings, travel corridors & the stand's edges. RM small poles common. RO quality decreases & WO presence increases toward the stand's S end. See stand 3 comments regarding deer browse problems within the cantonment fence. SI averaged across the oak cover type within the fence (6 SIs, range: 61-67).														
10	O 9	X 0	1	85	12	120	64	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Good-form RO small saw, with suppressed poles. Larger poor-form RO & WO saw around openings, travel corridors & the stand's edges. RM small poles common. RO quality decreases & WO presence increases toward the stand's S end. See stand 3 comments regarding deer browse problems within the cantonment fence. SI averaged across the oak cover type within the fence (6 SIs, range: 61-67). Stand 10 is split from stand 9 by roads. Do not recommend trying to treat this small fragment except for in conjunction with Compt 202's stand 20 to the N.														
11	U 1	U 1	5		0	0		upland brush	sparse	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Open area with mini borrow pits, stump dumping from cantonment fence clearing, cherry brush, NPO regen, and inclusions of aspen & mature oak. Bumps up to Military Road & fence corridor.														
12	U 1	U 1	2		0	0		upland brush	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : U/G type, St. Johns Wort & cherry brush.														
13	U 1	U 1	6			0		upland brush	sparse	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : U-type travel corridor in shallow valley: cherry brush, St. Johns Wort, oak & RM regen, & park-like inclusions of wolfy RO, WO & NPO. Stumps stockpiled from cantonment fence clearing.														
14	O 6	M 3	6	45	7	80	64	oak	immature	N		30-39 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Well-developed RO & RM stump sprouts. V. good RO lg saps & small poles -- already thinned down to 1-3 stems per clump. RO is actually a litter taller & larger diameter than the RM. No t-sale record, but by air photos, was done before 1963, by a year or two.														
15	O 9	M 1	15	85	13	120	64	oak	mature	Y	final harvest	within 0-9 years	1	natural regeneration
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Rolling terrain w/ a long ridge: most of the high ground is occupied by v. nice RO saw with nice tall poles too, although there are fair-poor form knobby RO saw mixed in. There are lg wolf oak on the flats along the powerline corridor. See stand 3's comments regarding deer browse problems within the cantonment fence. SI averaged across the oak cover type within the fence (6 SIs, range: 61-67). Recommend final harvest to regenerate a mix of oak, RM & aspen. Treat at same time as compt 185's stand 7 to west.														
16	X 0	X 1	47		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Military, Beaver Creek, Wilson Hill & Asp Road cleared corridors. The cantonment fence runs within this stand that also includes small U/G types that abutt the corridor & have scattered mature NPO.														
17	O 9	U 1	3	87	15	70	65	oak	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Stand split in two by cantonment fence clearing. E1/2 (Stand 18) is isolated between the road, cantonment fence & ammo supply point fence. Stand 17 (west 1/2): recommend final harvest except leave 1 wolf oak (red or white) per acre for vertical diversity/visuals & wildlife dens. Goal is to achieve a mix of oak & RM through stump sprouting. Harvest at same time as adjacent stand 10 in Compt 185 to west. Used that stand's SI.														

* 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							
18	O 9	U 1	2	87	15	70	65	oak	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Stand split in two by cantonment fence clearing. E1/2 (Stand 18) is isolated between the road guardrail, cantonment & ammo supply point fences. Impractical to commercially harvest, given barriers & small acreage. Used adjacent stand 10's SI from Compt 185.														
19	A 3	A 3	5	29	4	40	76	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 40-50' tall regen from a clearing associated with construction of the Ammo Supply Point. No t-sale record, but the cut extended into Compt 186 stand 36 & that is given a 1977 year of origin. Predominantly BTA moving into the pole class, with RO & RM stump sprouts & some scattered residual mature oak. Used closest aspen SI, taken in adjacent stand 11, compt 185.														
20	I 0	X 0	19		0	0		local use	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Fenced Ammo Supply Point facility. Cantonment fence ties into it.														
21	O 9	U 1	6	85	14	100	57	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Split from stand 22 by cleared powerline corridor. Fair-quality RO: larger saw a bit wolfy w/ low forks, large limbs & poorly-healed branch scars common. Smaller saw better formed. BTA as scattered individual stems & in denser pockets. Relatively level ground, slight valley running NW-SE w/ poor RO & NPO. Open below. BTA rounded up to 10 BA (4 actual). Given the amount of treatments that are occurring along the South Acces Road in this compt and compt 185, hold this stand for now & possibly treat with compt 200's stand 69 to the south in 2013.														
22	O 9	U 1	38	85	14	100	57	oak	mature	Y	seed tree	within 0-9 years	2	planting
comnts Fmd : Fair-quality RO: larger saw a bit wolfy w/ low forks, large limbs & poorly-healed branch scars common. Smaller saw better formed. BTA as scattered individual stems & in denser pockets. Relatively level ground, slight valley running NW-SE w/ poor RO & NPO. Open below. BTA rounded up to 10 BA (4 actual). Stand 21 was split off by cleared powerline corridor. Prescription: seed tree cut, reserving 20 BA of large-crowned, dominant and even wolfy oak for seed trees, as they will be least likely to epicormic branch terribly. Choose oak (favoring WO) that are showing the least amount of decline and that are likely to survive the longest. Cut all aspen & don't leave oak seed trees in/adjacent to aspen pockets. Leave all RM. Leave any RP or WP that may occur within the stand. Plant to RP, scarifying as shallowly as possible & avoiding aspen pockets. Treat the rest of this stand's contiguous covertime that extends south into compt 200 (stand 22) at the same time. Compt 200's stand 22 is currently coded TP-1 (2013 is the next YOY).														
23	O 9	U 1	114	83	11	140	56	oak	mature	Y	thinning	within 0-9 years	1	planting
comnts Fmd : Fair- to decent-quality small RO saw, with NPO on low ground & at stand margins. Terrain is gently-rolling. Ski trail re-route runs through E end of stand. Also has scattered BTA & occasional super-canopy RP & WP that are seeding in localized areas. Oak poles tend to be suppressed & of poor quality. Stand contains Military LandNav markers: protect per their specs. Prescription: thin the oak to 60 BA, targeting suppressed poles, oak with poor crown development, & declining sawtimber for removal. Favor WO saw for retention, if reasonably healthy. Retain all WP & RP, & protect existing pine regen. Where that pine regen is moderate-to-well stocked, reduce the oak residual BA to 10-20. In addition to the average 60 BA oak residual, retain all RM to avoid profuse stump-sprouting & the resulting poor-quality multiple-stem clumps. Cut all aspen & remove oak in and around aspen pockets to encourage good aspen root-sucker sprouting. Hand plant WP without disc trenching, if feasible, or scarify as shallowly as possible. Avoid planting within aspen regen pockets.														
24	U 2	U 2	3			0		upland brush	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Little blue stem & sweetfern w/ cherry brush, oak & pine regen filling in. Scattered ugly NPO.														
25	I 0	X 0	1			0		local use	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Military land-navigation orienteering course start facility: small building, benches, parking lot.														

* 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	Ave. D	B	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
26	U 1	U 1	6			0		upland brush	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : U/G with inclusions of ugly NPO saw & poles that are dying back. A lot of driving disturbance, St. Johns Wort. Valley bottom, poor site. Stand contains a Military LandNav marker: maintain a 30-meter uncut buffer & protect from damage.														
27	O 2	J 1	12	7	1	0	48	oak	immature	N		60-69 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Cut in '99 under sale #21-98, all stems 4" & up. The oak stump-sprouted well and there is a seed-source oak regen component. There are scattered lg. JP saps, almost pole-sized.														
28	O 8	O 2	122	86	14	50	48	oak	low quality	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Long, sprawling stand occupying shallow valley bottoms/travel corridors. Tough site with very poor quality actively breaking up NPO saw culls; alive or dead, this is fuelwood. As ugly as it is, this oak did manage to regenerate itself in the form of O1-O3 advanced secure seed-source oak saplings. The scattered pine in the stand's SW end have seeded in multiple age & size classes of R & WP. Since no great value will be lost if it is held, leave this stand for now in order to facilitate large-scale treatment of more at-risk stands within the compt. Stand contains Military LandNav markers: maintain a 30-meter uncut buffer around each & protect from damage.														
29	O 9	M 1	169	83	12	110	56	oak	mature	Y	shelterwood-seed	within 0-9 years	1	planting
comnts Fmd : Stand on gently-rolling high ground, mostly decent-quality small RO saw w/ suppressed RO & WO poles. Hybridized RO/NPO at the margins & in low areas. Heavy WP regen & small poles at the far east end. Stand contains Military LandNav markers: protect per their specs. Prescription: shelterwood, taking the oak down to 40 BA residual. Favor for retention large-crowned dominant oak - particularly WO - that are showing the least amount of decline. In addition to the 40 BA of oak, retain all RM, WP & RP. In areas with W2-W3 understory, such as at the stand's far east edge, reduce the residual oak BA to 10-20. Cut all aspen & do not leave any oak within aspen pockets. Hand plant a mixture of WP & RP without disc trenching, if feasible, or scarify as shallowly as possible. Avoid planting through areas with aspen.														
30	I 0	X 0	23			0		local use	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Long cleared alleys with strips of trees in between. Some U/G, but mostly turfed-up sand. Concrete structures scattered around -- bunkers?														
31	G 0	U 1	13			0		grass	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Heavy travel area, driving everywhere. Little blue stem, spotted knapweed, scattered NPO & RO lg saw, as well as park-like wooded inclusions of wolfy oak. The Military improved the approach to Military Road by building it up with gravel.														
32	O 9	U 1	48	84	13	100	57	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Stand grades slowly uphill from NE to SW and the quality increases with elevation from fair, to decent RO saw, less WO & more RO poles. There is WP regen in most of the stand N of the snowmobile trail, and a scattered BTA component in the stand's SW1/3 on rolling terrain. Ran across a beech seedling. Used SI from adjacent oak stand to the east. Stand contains a Military LandNav marker: maintain a 30-meter uncut buffer & protect from damage. The bulk of stand 32's contiguous covertype extends into the compartment to the south. Given the amount of treatments prescribed to the north along Military Road, I recommend treating this stand with compt 200's stand 24 in the 2013 YOY.														
33	O 2	O 2	1	11	1	0	57	oak	immature	N		60-69 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Grassy opening filling in with good oak regen 3-15' tall at the edges & spreading inward. Stand year of origin is a ball-park estimate -- the oak has been slowly filling in over time.														

* 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			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA	Site Indx							
34	O 2	O 2	8	11	1	0	57	oak	immature	N		60-69 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Grassy opening that has been filling in with nice oak regen. There are pockets of G amongst regen ranging from O1-O2-O3. Also has some WP regen & scattered dying NPO poles & saw. Stand year of origin is a ball-park estimate -- the oak has been slowly filling in over time.														
35	O 9	M 2	140	84	10	70	57	oak	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Shelterwood prep cut in 2003 under sale #29-98 Oak Orientation Block: cut all RM, aspen & marked oak. Residual of marginal- to decent-quality RO saw. Stump sprouts: RM 3-4 times as tall as the oak because most of the oak, although it stump-sprouted well, has been repeatedly browsed by deer. There is also patchy A2. As seen before leaf-fall, the canopy was ragged & thin from gypsy moth defoliation, and there's a pitiful # of egg masses per tree, although each mass is small. Stand contains Military LandNav markers: maintain a 30-meter uncut buffer around each & protect from damage.														
36	O 9	O 1	119	82	12	70	52	red pine	mature	Y	final harvest	within 0-9 years	2	planting
comnts Fmd : Stand occupies a series of low ridges & knobs, but doesn't show the usual correlation between elevation & tree quality: there's similarly poor-quality oak on the high ground too. There are small pockets of nicer oak, but my plots didn't land in them. On low ground & at the stand margins, there is branches-to-the-ground NPO. Lots of GM egg masses, specially on the WO. Averaged my SI with previous SI's from within the stand's boundaries. Stand contains Military LandNav markers: protect per their specs. Prescription: final harvest all NPO and the WO pulp. Leave all WO saw for mast & seed sources. Plant a mixture of RP & WP. JP would do well on this site (since it tends toward PVCd), but deer browse is a concern.														
37	A 6	M 3	6	60	8	90	63	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Two size classes of TA: the saw is breaking up &, within the pole component, individual stems are dying back. Cut to regen the aspen, otherwise the RM will take over. Stand includes pockets of NPO saw & scattered individual oak.														
38	U 1	U 1	15				0	upland brush	nonstocked	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Sweetfern & little blue stem w/ cherry brush, NPO regen, scattered ugly, ugly NPO saw clumps, a couple small young TA clones. 2 earthworks bunkers @ E end, 1 bunker @ the W end.														
39	O 9	M 1	22	79	14	100	54	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Mostly RO/NPO hybrids w/ some quality RO stems, suppressed WO poles. BTA scattered through the stand. There should be enough aspen to covert to that type over most of the stand, along with oak & RM stump sprouting. The stand boundary to the SE was intentionally expanded to bump up against the 2-track and the east end of stand 38's U/G type. The stand's N boundary was modified to avoid the "straight-line along the compt boundary" syndrome and make the treatment boundary appear more natural as seen from the ski & Mnt bike trails that cross in and out of the stand. Leave all WO saw and healthy WO poles for visuals, and seed source, since viable WO regen has been found to recruit from seed in this area when the canopy is opened up, although not as a consistent rule.														
40	O 9	M 1	3	79	14	100	54	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : See stand 39 comments. Practical to treat only in conjunction w/ compt 202's stand 7, as long as it isn't a final harvest scheduled in 2012, given stand 39's 2008 scheduled final harvest in this compt.														
41	O 8	O 1	16	86	15	40	48	oak	low quality	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Mix of WO & extremely poor quality & health NPO. A lot of large CWD. WO in better shape than the NPO. Fairly open, not as much advanced secure oak regen as can be found in adj. JP stand 42, whose N boundary intentionally picks up 2 fingers of this stand's cover type. Pine starting to seed in. Mnt bike trail runs E-W thru this stand & the ski trail re-route catches the NE corner. Given the stand's low quality and advanced state of decline, it is firewood, dead or alive, so leave this stand for now & treat surrounding stands where greater quality and opportunities are at stake. Used previous OI; it is in line with the quality of the oak.														

* 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	Ave. D	B	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
42	J 5	O 2	26	54	8	50	50	oak	two aged	N	removal	within 0-9 years	2	natural regeneration
<p>comnts Fmd : Uneven-aged JP stand with 3+ age classes. Scattered massive overmature JP saw, 50-yr old poles/small saw that are already declining, & small poles & regen present. In most areas, where open enough, there is O2-O3 in advanced secure NPO regen. Terrible health & quality NPO actively breaking up (stand intentionally includes 2 fingers of stand 41's oak cover type). Heavily-used deer trails cross through the stand. To release the existing oak regen, along w/ the JP seedlings & saps, cut all merchantable stems, except leave any WO for additional seed source. Resulting stand will be a mix of oak & pine. Add spec to protect the oak regen during harvesting. Stand contains a Military LandNav marker: protect per their specs.</p>														
43	A 3	A 3	20	15	2	0	60	aspen (upland)	immature	N		40-49 years	0	
<p><u>Treatment Limiting Factors:</u> Military use/easement/lease/long-term agreement</p> <p>comnts Fmd : Cut in 1991 under sale #59-88. TA & BTA regen with U/G/O3 inclusions. Excluded from stand that part of the sale's NE corner that is now just U. Used previous SI.</p>														
44	U 1	U 1	3		1	0		upland brush	nonstocked	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Military use/easement/lease/long-term agreement</p> <p>comnts Fmd : U/G mix with Little blue stem, sweet fern, cherry brush. NE survey corner w/ red-top cedar post. To south, within 1991 harvest area, there is cherry brush & sedge.</p>														
45	A 3	A 3	34	7	1	0	51	aspen (upland)	immature	N		50-59 years	0	
<p><u>Treatment Limiting Factors:</u> Military use/easement/lease/long-term agreement</p> <p>comnts Fmd : Cut in 1999 under sale #21-98. A3 (TA) with scraggly, low-density small poles above since it was diameter-limit cut down to 4". Scattered small U/G inclusions & the occasional JP/RP/WP pole. The SE part of the sale's original boundary is now U/G & was split out as stand 46. A 2.5 acre A3 patch cut from 1990 was included within this younger A3 stand's south boundary. Two Military LandNav markers lie just outside the stand in adjacent stands 46 & 414: maintain a 30-meter uncut buffer around each marker & protect from damage.</p>														
46	U 1	U 1	18			0		upland brush	nonstocked	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Military use/easement/lease/long-term agreement</p> <p>comnts Fmd : Cut in 1999 as part of sale #21-98, but did not regenerate except for some oak stump sprouting to the SW. Looks to have been pretty open pre-harvest. Cherry brush, scattered NPO saw, JP poles & scattered aspen poles over little blue stem, fescue? & sedge. Not pretty, but has a lot of structure & physical diversity & the grouse love it. Stand contains a Military LandNav marker: maintain a 30-meter uncut buffer & protect from damage.</p>														
47	O 9	G 0	37	82	12	100	54	oak	mature	Y	final harvest	within 0-9 years	1	
<p>comnts Fmd : There is some decent-quality small RO saw, but the stand as a whole is represented by poorer-quality oak with varying degrees of hybridization. RO poles are suppressed & declining. BTA as scattered individuals & small clones was underrepresented by the plot data. RM is common in just sub-merch stump sprout saplings. Final harvest the oak & aspen in order to encourage sprout-origin regen. Leave the existing RM so that it will develop into better-quality single stems. Stand contains a Military LandNav marker: protect per their specs. Set up as one sale with stands 53, 54, 55 & 56.</p>														
48	O 8	O 2	20	87	15	60	51	oak	low quality	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Military use/easement/lease/long-term agreement</p> <p>comnts Fmd : Stand occupies a shallow valley bottom/travel corridor: very poor quality NPO saw culls moving into the snag class. Dead or alive, these actively-declining trees are fuelwood-grade. Given no great loss in value will occur, hold this stand & others like it & focus instead this YOE on the better-quality oak stands for treatment. Has O1-O3 regen filling in already that is doing well under the low-density progressively-opening canopy. Stand contains a Military LandNav marker: maintain a 30-meter uncut buffer & protect from damage.</p>														
49	M 3	M 3	11	26	3	0	61	northern hardwood	immature	N		40-49 years	0	
<p><u>Treatment Limiting Factors:</u> Military use/easement/lease/long-term agreement</p> <p>comnts Fmd : Cut in spring 1980 under sale #15-80A. Was mostly oak & aspen, with a minority of RM. There are aspen pockets, especially along the W. edge, & nice oak stump sprouts as tall as the RM, but the RM is now predominant, representing 75% of the cover, 40' tall. Took SI from mature RM in stand 53.</p>														

* 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. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
50	O 8	O 2	5	87	15	50	51	oak	low quality	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Generally poor-quality NPO mixed w/ R, J, WP poles, & oak seed-source regen below. Includes a strip of timber east of the N-S 2-track. Grayling Game Club signs have migrated west onto State land and are in trespass. The canopy is opening up on its own in this small, low-quality stand, and won't impede the developing oak regen, so leave this YOE in order to focus on treating the better-quality oak stands in the compt. Used SI from previous YOE's former stand 23.														
51	O 2	O 2	7	7	1	0	51	oak	immature	N		60-69 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Cut in 1999 under sale #21-98, all trees 4" & up, except R & WP. Result is a mix of seed-source & stump-sprout oak regen w/ scattered R, W & JP saps and small poles, & a little patch of TA regen.														
52	R 5	W 2	12	42	8	50	51	red pine	immature	N		30-39 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Mixed pine stand, more WP to S (includes patch cut), more RP to N. All ages & size-classes of pine, along with scattered oak.														
53	O 9	M 1	62	82	12	110	59	oak	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Small-diameter fair-quality RO saw w. some hybridization. RM poles more common than the oak poles in half the stand. Scattered individual BTA stems & small clones (rounded up to 10 BA). Stand includes a narrow strip of oak E of the N-S 2-track. Grayling Game Club signs on the 2-track are in trespass, except near Sec 25's SE corner where the 2-track & the E section line converge. Final harvest the oak & aspen to encourage sprout-origin regen. Leave the existing RM so it will develop into better-quality single stems. A Military LandNav marker occurs in stand 65's patch cut: protect per their specs. Set up as one sale with stands 47, 54, 55 & 56.														
54	O 9	M 1	35	82	11	120	55	oak	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : More-or-less hybridized RO & marginal WO saw over a lot of suppressed poles with dieback & mortality, especially in the WO poles. Final harvest the oak to encourage sprout-origin regen. Leave the existing RM so it will develop into better-quality single stems. Stand contains a Military LandNav marker: protect per their specs. Set up as one sale with stands 47, 53, 55 & 56.														
55	O 8	M 3	20	87	19	60	51	northern hardwood	low quality	Y	removal	within 0-9 years	1	natural regeneration
comnts Fmd : In shallow valley bottom, poor site with very poor NPO saw culls (breaking up), <half-acre pockets of varying age & health TA, RM large saps below, & U/G inclusions. Overall, low-quality oak with well-established RM regen. Used previous SI. Final harvest (along with stands 47, 53, 54 & 56) in order to regenerate the aspen & release the seed-origin RM saps. Leave all RM & pine & protect the RM regen.														
56	A 5	O 2	6	45	9	60	73	aspen (upland)	high risk	N	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Mix of overmature, declining cull TA saw with large poles. Some areas sparse. Even the smaller poles are breaking up. Final harvest to regenerate before it completely falls apart. Set up as one sale with stands 47, 53, 54 & 55.														
57	A 6	M 1	3	26	6	110	73	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Cut in spring 1980 under sale #15-80A. Nice, healthy BTA, growing well, most stems just merchantable. Used nearby stand 56's SI. Using the SI from this young of an aspen stand would yield a grossly inflated #.														
58	O 3	O 2	3	22	2	0	52	oak	immature	N		40-49 years	0	
comnts Fmd : Was cut with compt 200 stand 51 in '84. Stump sprouts: 2/3 RO, 1/3 RM. Oak is doing good, is taller than the RM & already self-thinned to 2-3 stems/clump. Recommend: since this is such a narrow strip south of the 2-track, continue to treat with compt 200. Used compt 200 stand 51's SI.														
59	O 9	M 1	3	82	12	110	59	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Military use/easement/lease/long-term agreement														
comnts Fmd : Small-diameter, fair-quality RO saw with some hybridization. RM poles more common than the oak poles in half the stand. Scattered individual BTA stems & small clones (rounded up to 10 BA). Split from stand 53 by E-W two-track. Treat this roughly 2-chain wide strip with compt 200's stand 54 to S. All previous treatments in Comp 200 were carried up to the 2-track anyway.														

* 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	Aspen Regen	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
60	M 2	M 2	3	8	1	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Cut with Compt 200 Stand 152 in 1998. Narrow strip S of 2-track, clumpy RM, oak, aspen regen & open landing area. Cut-over survey corner within the stand @ the SW edge in aspen regen. Recommend: continue to treat with Compt 200 stand 152 to south.														
61	O 9	M 1	2	82	12	110	59	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Military use/easement/lease/long-term agreement														
comnts Fmd : Small diameter fair-quality RO saw with some hybridization. RM poles more common than the oak poles in half the stand. Scattered individual BTA stems & small clones (rounded up to 10 BA). Split from stand 53 by E-W two-track. Treat this <2 chain wide strip with compt 200's stand 52.														
62	O 8	M 3	3	87	19	60	51	oak	low quality	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Military use/easement/lease/long-term agreement														
comnts Fmd : Split from stand 55 by E-W 2-track, <100-foot wide strip. See stand 55 comments, except recommend continuing what has been done in the past: carrying Compt 200 treatments up to the E-W 2-track. Treat with Compt 200 Stand 37 to the south. Used previous SI.														
63	M 3	M 3	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: 3/4 RM & 1/3 RO. Used SI from mature RM in stand 53.														
64	M 3	M 3	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: mix of RM, oak with aspen. RM predominant. Used SI from mature RM in stand 53.														
65	M 3	M 3	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: N1/2 is A3, S1/2 is M3, with very few oak. Used SI from mature RM in stand 53. Stand contains a Military LandNav marker: maintain a 30-m uncut buffer and protect from damage.														
66	W 5	W 2	3	17	5	40	60	white pine	immature	N		40-49 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Converting to WP with small poles, large saps & seedlings. Has RM & RO stump sprouts to E. Used SI taken on larger WP in stand 52, but used harvest date for stand year of origin.														
67	M 3	M 3	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: 2/3 RM, 1/3 RO. Oak almost as tall as the RM & nice condition. Used SI from mature RM in stand 53.														
68	M 2	M 2	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: mostly RM with open areas, cabbage WP, very little oak. Used SI from mature RM in stand 53.														
69	M 3	M 3	2	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: RM dominant, <25% RO, aspen regen to NE. Used SI from mature RM in stand 53.														
70	M 3	M 3	2	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: RM dominant, <25% RO. Used SI from mature RM in stand 53.														
71	M 2	M 2	2	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: RM dominant, <20% RO, open in middle. Used SI from mature RM in stand 53.														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 201 Entry Year: 2008

* 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. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
72	M 3	M 3	2	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: RM dominant, <20% RO. Used SI from mature RM in stand 53.														
73	M 3	M 3	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: RM dominant, <20% RO. Used SI from mature RM in stand 53.														
74	M 3	M 3	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: mostly RM, few oak, a lot of cherry, WP saps especially to W. Used SI from mature RM in stand 53.														
75	O 1	O 1	3	16	2	0	55	oak	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Sparse stump sprouts, O1/M1, but almost U/G.														
76	M 2	M 2	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: mostly RM, very little oak, scattered BTA, G/U. Used SI from mature RM in stand 53.														
77	M 1	M 1	2	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. RM stump sprouts with cherry brush, U/G to N1/2. Used SI from mature RM in stand 53.														
78	U 1	U 1	3	16	2	0	61	upland brush	sparse	N		not scheduled	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Mostly U/G with M3 to S1/3.														
79	O 2	O 2	2	16	2	0	55	oak	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Good oak stump sprouts, but also thick RM. WP regen to W.														
80	M 2	M 2	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Stump sprouts: mostly RM, very little oak, G/U, some WP regen. Used SI from mature RM in stand 53.														
81	M 2	M 2	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. RM stump sprouts to SW, ~ zero oak, G/U to NW. Used SI from mature RM in stand 53.														
82	M 2	M 2	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. RM stump sprouts, <25% RO, cherry, U/G to N1/2. Used SI from mature RM in stand 53.														
83	M 2	M 2	3	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Predominantly RM stump sprouts, with cherry & U/G, O3 to N. Used SI from mature RM in stand 53.														
84	M 2	M 2	2	16	2	0	61	northern hardwood	immature	N		50-59 years	0	
comnts Fmd : Patch cut sometime between 1988 - 1991 under sale # 059-88. Mostly RM stump sprouts, a few oak, with U/G. Used SI from mature RM in stand 53.														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 201 Entry Year: 2008

* 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. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA	Site Indx							
123	O 9	U 1	5	83	11	140	56	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Recreational site</p> <p>comnts Fmd : Split from stand 23 (Fair- to decent-quality small RO saw, with NPO on low ground & at stand margins. Terrain is gently-rolling. Ski trail re-route runs through E end of stand. Also has scattered BTA & occasional super-canopy R & WP that are seeding in localized areas. Oak poles tend to be suppressed & of poor quality.) in order to create a more natural treatment area boundary - as seen from the ski trail - for stand 23. Treat this small split-off stand along with compt 202 stand 14 (2012 YOE).</p>														
400	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Little blue stem & St. John's Wort with oak & aspen regen at margins.</p>														
401	G 0	G 0	12			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Cleared grassy opening associated with the track/PT area. Has a line of planted WP & RP bordering the oval track's west side.</p>														
402	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Grassy opening, butts up to S end of oval track. Sweetfern with scattered aspen, RM & a WP.</p>														
403	G 0	G 0	7			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Cleared powerline corridor with sweetfern & St. John's Wort.</p>														
404	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Little blue stem & sweetfern with aspen/NPO regen & cherry brush.</p>														
405	G 0	G 0	3			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Cleared powerline corridor with brakenfern, sweetfern & M2 patches.</p>														
406	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Grassy opening in a bowl. Pine & oak regen filling in.</p>														
407	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Little blue stem, oak regen & RP at margins.</p>														
408	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Grassy opening, some little blue stem, NPO & RM regen, and a handful of ugly NPO saw clumps (culls). A Military LandNav marker is just off the NW corner of this stand.</p>														
409	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Little blue stem in a bowl, oak regen at margins.</p>														
410	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Little blue stem in a bowl with a few NPO & NPO regen.</p>														
411	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Little blue stem with some sweetfern, cherry brush, NPO regen at margins.</p>														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 201 Entry Year: 2008

* 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							
412	G 0	G 0	1			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Little blue stem with some sweetfern, oak regen & cherry brush at margins.													
413	G 0	G 0	3			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Little blue stem, fescue?, & encroaching JP, cherry & NPO.													
414	G 0	G 0	8			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Little blue stem & sedge with pockets of bushy short JP filling in & NPO at margins. JP pockets will spread & take over the stand if not cut, but they are mostly pre-commercial sized at this time. Stand contains a Military LandNav marker: maintain a 30-meter uncut buffer and protect from damage.													
415	G 0	G 0	4			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Grassy opening with little blue stem, spreading patches of St. John's Wort, cherry brush, NPO at margins.													
416	G 0	G 0	6			0	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Grassy opening with little blue stem, fescue?, sweetfern, with scattered cherry, amelanchier, NPO & pine at margins. Includes a patch cut to the west that largely failed to regenerate except for <01.													
Total Acres.....			1912										