

\* 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 4	U 1	60	24	4	30	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Will be an A6 next YOE. Birch, red maple, oak and other mixed hdwds present. Found evidence of bear hunting within stand.														
2	O 9	A 2	10	89	13	110	56	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : This small stand serves as a retention area. Very nice looking oak. Oak seedling present but majority are under 1 foot tall. Some birch is present, rolling topo, decent shrub component in understory. Aspen removed from stand in 1985. Old SI used														
3	A 6	M 1	42	36	6	90	64	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Pockets of bigger timber mixed with A3. Quality and size varies. Plenty of red maple in stand but it is not yet merchantable.														
4	O 9	M 1	5	89	13	90	56	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity Too steep														
comnts Fmd : Stand sits on a ridge. A good looking stand w/ good quality oak. Treat with surrounding aspen stand in the future. Potential erosion concerns with terrain.														
5	A 2	M 2	80	9	1	0	54	aspen (upland)	in process of regeneration	N		40-49 years	0	
comnts Fmd : Salvaged under contract #036-99-01, Central Salvage block (wind event 99). Completed spring/summer of 2000. Tons of cherry and shrubs. The eyes pick up mostly on the aspen and birch. Maple, ash, oak, and mixed pine also present. The regen is patchy - A3 mixed with poorer stocked areas and upland brush type areas. There will most likely be opportunity to type out different stands in the future. Old SI used.														
6	A 5	M 1	172	24	4	50	57	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : This stand is an A4 going on an A6. There are areas of A2 and M3 also. There is about 10 acres in the north east where pine and oak were left. This 2 aged portion of the stand has a large diameter overstory with an A4 understory. Birch is also present in this stand. Some mixed pine can be found in the understory as well.														
7	A 2	A 2	78	7	1	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Timber sale # 72-009-01-01 Granholm Road Oak. Sale was cut by Georgia-Pacific in 2002. Trees were left along the cycle trail. Open grassy areas throughout. Mixed pine and hdwds also present. Some stump sprout oak present. Browse evident.														
8	A 6	M 1	24	33	6	100	65	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Hilly. Average quality aspen. Look at in 10. Still areas of unmerchantable.														
9	O 9	M 1	9	89	15	80	55	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Poor understory. Majority of oak in poor condition. Leave for visual if stand 28 is being treated.														
10	R 3	A 3	26	14	1	0	58	red pine	immature	N		30-39 years	0	
comnts Fmd : Planted red pine. Aspen over topping in many areas. Jack pine also present. Cherry brush throughout. Used old SI														
11	M 2	A 2	9	9	1	40	66	northern hardwood	two aged	N		40-49 years	0	
comnts Fmd : Portions of the stand salvaged after the 99 wind event. Will feature the understory as cover type. Oak in the overstory in the southwest, more northern hdwds in the north and east. Areas of thick ironwood regen. Mixed hdwds and aspen in understory. Ash, beech, basswood, birch also present.														

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					B	Tot. BA	Site Indx							
12	R 6	U 1	9	59	6	120	50	red pine	immature	N	10-19 years	0		
comnts Fmd : A valley of natural red pine. A handfull of relic pine present acting as a seed source. Some white pine also present.														
13	M 9	M 1	40	89	12	130	65	northern hardwood	mature	Y	thinning	within 0-9 years	2	
comnts Fmd : Thin leaving a residual between 70 and 80. Some areas better stocked than others. There are a few seasonally wet areas found along the bottom of the hilly terrain. Stand transitions into an oak type on top of the hill. Give operations within stand quite a bit of weight when marking to avoid residual damage. Majority of terrain is hilly. Tree length operations should not be allowed. This treatment is intended to improve the current timber while providing oportunities for regen to establish in newly created openings. Understory is poorly stocked with beech, ironwood, and sugar maple. Some striped maple present in stand.														
14	A 6	M 2	18	36	6	70	50	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Hilly, some of the bottom areas are wet. Pockets with pine, oak and maple also present. Aspen has a smaller diameter in the east. Hawthorne present. Year of origin is assuming that this stand was harvested along with stand 15.														
15	A 6	U 2	46	37	5	80	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Hilly. Still some unmerchatable aspen throughout. Areas of A3/A4. Red pine present but not consistant. White pine starting to appear in the understory.														
16	A 6	M 1	7	38	6	90	52	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Good looking stand. Narrow. Birch and mixed pine also present. An old foundation has been dumped in southern portion of the stand along the powerline. Looks like a small garden has started in the ROW.														
17	O 9	M 1	7	86	14	100	55	oak	immature	Y		10-19 years	0	
Treatment Limiting Factors: Delayed treatment for age/size class diversity Inadequate volume due to small acreage														
comnts Fmd : Narrow. Good quality oak present. Treat when adjacent aspen stands are ready to be treated. An oil and gas easment has recently been created throught the stand. The easement requires a gate. A good shrub component in understory. Old SI used.														
18	M 9	M 2	34	79	11	90	60	northern hardwood	mature	N		10-19 years	0	
comnts Fmd : Above average quality for the unit. The good quality trees are outstanding. The poorer quality trees exceed in there area as well (cat faces, broken tops, poor form). Seasonal wet areas found throughout. These areas contain a smaller diameter component of ash, elm and maple. Understory is patchy with areas of maple and others of beech and iron wood. Old SI used														
19	A 3	M 1	86	15	1	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : About 25' tall. Birch and mixed hdwd present. Old SI used.														
20	R 6	M 1	49	45	8	120	57	red pine	immature	N		10-19 years	0	
comnts Fmd : Hilly with variable quality. Fairly limby and areas of poriky pine damage present. There are open pockets filled with aspen and mixed hdwds. Portions of this stand were not treated during the last prescription. Some wind damage in stand. (old comments) 3rd row thined - Timber sale 72-045-03-01, Second Lake Red Pine. Contract held by Bisballe Forest Products, managed by Highland Timber and cut by a third party. Cut in December 2006.														
21	A 3	U 1	100	18	3	0	54	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Great looking stand. Plenty of birch and mixed hdwds. About 25' tall. Seasonal wet areas found within stand. The old skid trails are still drivable in some areas. Old SI used.														
22	A 3	U 1	79	16	0	0	53	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : In transition. Some trees are merchantable already. Old SI used.														

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23	A2	U1	49	4	1	0	48	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Areas of A3. Stand is patchy with openings and u-types. Stand is primarily aspen and cherry brush but, some red maple and oak also present. Some mixed pine is also starting to establish itself. Old SI used. (Old comment.) Timber sale 72-008-02-01 Second Lake Aspen. Cut in 2004 by Shawn Muma Forest Products. 0808/2005														
24	A3	U1	48	4	1	0	54	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : 6 -8' tall. Red maple, oak, and cherry mixed in. The shorter stems that can be reached by the deer are getting hit pretty hard by browse. Timber sale 72-008-02-01 (Second Lake Aspen). Cut in 2004 by Shawn Muma Forest Products.														
25	A6	M1	40	37	6	80	52	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : A 1 acre island had been left during previous prescription. A mix of hdwds and a couple pine. Variable quality but, there is plenty of 3 - 4 stick stuff.														
26	J6	U1	8	91	10	100	53	jack pine	mature	Y		40-49 years	0	
<u>Treatment Limiting Factors:</u> Too steep Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : There were higher quality ground cover indicators (trillium and sapsparilla) but bb also present. I agree with the old comments. The JP is falling apart and mixed hardwoods, red pine, and white pine are filling in well. Best bet is to let the stand transition on its own. (old comments) Because of steep slopes do not harvest. Allow JP to die and stand to convert to M/U mix.														
27	Z0	Z0	3		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : SECOND LAKE														
28	O9	M1	67	89	15	140	60	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Scenic values/visual values Delayed treatment for age/size class diversity														
comnts Fmd : Wet areas in the stand. Hilly. Excellent quality oak and aspen. Some pocket with poorer quality timber but, overall quality is high. Mixed sawlog pine here and there. Better quality northern hdwds in the northern portions of the stand. Hold treatment for 10.														
29	O9	M1	95	89	12	130	56	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Too steep Delayed treatment for age/size class diversity														
comnts Fmd : Very steep hills with narrow ridges (like walking on a giant golf ball). Great looking oak. The aspen is in pockets. Erosion and equipment limitations are concerns. Wet areas at the bottoms of the hills.														
30	A3	M2	98	17	2	0	57	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Stand is a mix of aspen and hdwds. Service berry shrubs are common throughout. Area where the hdwds are dominant. Ash present throughout. Some porky damage. Old SI used. (old comments) PVT. FENCE MAY BE SOUTH 1 CHAIN OF PROPER LINE														
31	M6	M2	42	89	9	100	60	northern hardwood	two aged	N		10-19 years	0	
comnts Fmd : Stand last thinned in 1991. Sm and PB dominant. Sugar maple and ironwood make up majority of understory. Some wind damage. Pockets of M3 created by wind events.														
32	M3	A3	27	24	1	0	55	northern hardwood	immature	N		40-49 years	0	
comnts Fmd : Rm, oak, aspen, ash. Decent looking oak stump sprouts present. Where there is aspen it is doing better than the rest of the species. A couple pockets of A4. Some hills.														
33	U2	U1	5	89	1	0	57	upland brush	sparse	N		30-39 years	0	
comnts Fmd : A big hole w/ scrub cherry, mixed pine and oak. Was typed out as a "G" in previous inventory. Used adjacent stand 68 for SI and origin.														

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36	A2	U2	20	7	1	20	57	aspen (upland)	two aged	N		50-59 years	0	
comnts Fmd : Little oak regen found. Patchy aspen and red maple regen with cherry brush and open areas. Browse evident. Hilly stand. Some areas with good down woody debris. Timber sale cut in fall 2002 72-010-01-01. Old SI used. MCCCT Trail in stand, and it borders the snowmobile trail.														
38	A2	U2	52	7	1	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : My survey did not produce the residual oak stated in old OI. There are areas of A3 - patchy with open u-type areas. A small ammount of Stump sprout oak present(more than in stand 36). Trees were left along the cycle trail. Scattered pine. Hilly. Old SI used. Timber sale # 72-008-01-01 Hill Road Oak. Sale was cut by Georgia-Pacific in 2002.														
39	A2	M2	74	7	1	20	57	aspen (upland)	two aged	N		50-59 years	0	
comnts Fmd : The objective of oak management will not succeed. It is currently pockets of A3 and M3. Some stumps sprout oak is present and will still be a component of the stand. Red and white pine of various sizes found throughout. There is a big hole along the pipeline access that contains pine and open water seasonally. (old comments) Hilly stand. 30% crown cover cut to regenerate oak. May have to follow up with prescribed burn. Stand was closed June 2004. Will need to check regeneration next YOY.														
42	A3	U1	12	16	1	0	54	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Used old SI. Aspen in a bowl. 16 - 20' tall. Pine, misc hdwds and cherry present.														
44	A3	U1	4	16	1	0	54	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Used old SI. 25' tall. Cherry brush and some mixed pine in the understory.														
45	O6	M2	41	89	11	90	57	oak	mature	Y		10-19 years	0	
Treatment Limiting Factors: Scenic values/visual values Influence zones														
comnts Fmd : This stand has been split in two. This southern portion is being left as a visual buffer along hill road, the snowmobile trail, and the MCCCT trail. Very hilly. Some mixed pine starting to show up in the understory. See stand 145 for additional comments.														
47	R6	A1	5	45	9	80	57	red pine	immature	N		10-19 years	0	
comnts Fmd : Areas of failed plantation. Hilly. Rows seem to wonder. Areas of A3 understory, other areas that are brushy.. (old comments) 3rd row thinned. Timber sale 72-045-03-01, Second Lake Red Pine. Cut in December 2006. Stand is now R6.														
48	A3	U1	42	4	1	0	58	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : Hilly, with patchy regen. Cherry, oak, red maple also present. Open u-type areas also. Majority of stem 5 - 10' tall. Timber sale 72-008-02-01 (Second Lake Aspen. Cut by Shawn Muma Forest Products in 2004.														
55	A9	U2	8	84	13	90	54	aspen (upland)	mature	Y		10-19 years	0	
Treatment Limiting Factors: Scenic values/visual values														
comnts Fmd : Looks like an oak stand from the road but, my plots picked up the aspen too. Majority of aspen is in the south 1/2. This stand is serving as a visual buffer for a big final harvest in the adjacent southern compartment.														
57	O9	M1	2	86	12	70	55	oak	immature	Y		10-19 years	0	
Treatment Limiting Factors: Delayed treatment for age/size class diversity														
comnts Fmd : Did not visit in 2009. Narrow.														
58	A6	M1	4	38	6	100	52	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Good looking stand. Narrow. Treat with adjacent oak stands in 10 yrs. Excellent understory mast shrubs.														

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65	A 2	M 2	145	9	1	0	66	aspen (upland)	in process of regeneration	N		40-49 years	0	
<p>comnts Fmd : The eyes pick up on the aspen but mixed hdwds present. Several areas of brush or solid iron wood. A couple pockets with bigger timber. (old comments) Salvage area - tornado of 1999. Timber sale #038-99-02, East Salvage block. Completed the spring of 2000.</p>														
67	A 6	M 1	7	89	9	130	58	aspen (upland)	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Water quality/bmps</p> <p>comnts Fmd : Did not visit in 2009. No treatment zone along Second Lake</p>														
68	O 9	M 2	57	89	14	110	57	oak	mature	Y	final harvest	within 0-9 years	2	
<p>comnts Fmd : Illegal fuel wood cutting throughout. Hilly! Mixed hdwds and pine also present. Stand is in decline. Recommend a final harvest w/ reserves. Treat north of the trails. Give a 100' buffer from the MCCCT trail and treat every thing to the north. Include the southern portion in the proposal and use it as retention. Leave a couple healthy trees scattered throughout the harvest area for vertical structure (favor oak or pine). The management objective is a moderate to fully stocked stand of natural regeneration containing an oak component along with aspen, mixed pine and northern hwd species. Natural regeneration that meets minimum stocking with an oak component will be a success. Watch for erosion during operations. Excluded areas may impact over all sale acreage. (old comments) Hilly stand. Oak beginning to die, but should hold until 2011. (pre-review - leave shade trees around well sites to help combat invasive species spread.)</p>														
70	O 9	W 1	15	79	14	120	56	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : White pine starting to establish in the understory. Good looking oak. Leave this narrow oak ridge as is for now. Some fairly decent sugar maple and ash too. Some tornado damage. These areas are open up. In the SE corner some trees were salvaged at the same time as stand 69 was cut under contract #036-99-01</p>														
145	O 6	M 2	29	89	11	90	57	oak	mature	Y	final harvest	within 0-9 years	2	
<p>comnts Fmd : Final harvest w/ reserves. Use islands as retention to address visual concerns along Snowmobile trail. Management objective is oak but, will accept a mixed moderately stocked stand of aspen, pine, and mixed hdwds containing an oak component. Majority of this stand is old stump sprout regen. NE corner of stand has jp and aspen. The aspen should respond well to the harvest, some natural jack pine reproduction is expected. Erosion potential fairly high.</p>														
400	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Small opening. Found an FTP for opening maintenance submitted by wildlife in the 80's.</p>														
401	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Small opening. Found an FTP for opening maintenance submitted by wildlife in the 80's.</p>														
402	G 0	G 0	11			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Looks to be filling in with brush and saplings from the photos. Did not visit stand this YOE.</p>														
403	G 0	G 0	6			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Grassy area along ORV trail. Starting to fill in with u-types.</p>														
404	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Some aspen and mixed pine. Looks like a bit of knapp weed too. Some restoration efforts/stabilization efforts. Misc 10 BA or so.</p>														
405	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Terra Energy St. Elmers 5-3HDL. Knapp weed present.</p>														

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					D B H	Tot. BA								
406	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Terra Energy State. Elmers C3-3HDL. New well, recently planted grass. 2 wells on site.														
407	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Terra Energy State Elmers 14-3. Some knapp weed present -good grass areas too.														
408	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer A3-10. Some knapp weed present														
409	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 4-10. Some knapp weed present. Cycle trail runs through pad.														
410	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 8-10. Some knapp weed present.														
411	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Terra Energy State Elmer 2-11HD. Majority of pad exposed soil.														
412	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Terra Energy State Elmer 6-11. Looks OK.														
413	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Terra Energy State Elmer 11-11.														
414	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas gas and oil. Elmers Gluwall CPF. Knapp weed present.														
415	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 10-10. knapp weed well established.														
416	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : well pad														
417	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 16-10. ORV Trail through pad														
418	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 13-11. Knapp weed present.														
419	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : DTE Gas and Oil Co State Elmer A1-14. Knapp weed present.														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 25

Entry Year: 2011

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420	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : DTE Gas and Oil Co State Elmer B3-14. Knapp weed present.														
421	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 8-14.														
422	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 11-14. Extensive knapp weed														
423	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 15-14. Knapp weed														
424	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer D2-10. Better looking than some of the other wells.														
425	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Atlas Gas and Oil Co State Elmer 3-14. Full of knapp weed.														
<b>Total Acres..... 2038</b>														