

GLADWIN FOREST MGT UNIT

Stand Level Information

Compartment: 5

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	A c r e s	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	A 3	M 1	22	18	1	0	74	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Clear cut 1988.														
2	A 9	M 2	17	85	12	120	54	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : ALONG A COUNTY ROAD, A lot of bigger aspen, Cut all Aspen and red maple. Use green to mark leave islands of oak and pine these islands should be thinned to 40 to 50 sf														
3	O 6	M 1	9	85	9	110	58	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : CUT IN 10 YEARS - REMOVE ASPEN THEN. GOOD QUALITY R. OAK.														
4	E 6	E 1	7	76	9	80	69	swamp hardwoods	immature	N		10-19 years	0	
comnts Fmd : Scattered wet areas.														
5	E 5	E 1	6	87	8	40	65	swamp hardwoods	immature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Too wet														
6	A 3	A 3	14	22	1	0	65	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Clear cut in 1984.														
7	O 3	A 2	26	22	2	0	53	oak	immature	N		40-49 years	0	
comnts Fmd : Clear cut in 1984.														
8	A 6	A 3	35	37	7	120	70	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Excellent aspen. Clearcut in 1969 could cut now or hold 10 years. No corners or fence around cemetary. Visual around is a concern. Twp. Cemetary within this 40.														
9	O 9	M 1	5		10	70	70	oak	unevenaged	N		20-29 years	0	
comnts Fmd : Thinned and burned in 2001 looks good some nice trees														
10	A 3	O 1	10	16	1	0	73	aspen (upland)	immature	N		40-49 years	0	
11	A 3	A 3	27	16	1	0	71	aspen (upland)	immature	N		50-59 years	0	
12	O 6	M 1	18	85	11	110	60	oak	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : thin to 60-70 sq. ft.														
13	O 5	O 3	54	85	10	50	42	oak	two aged	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Area was thinned and burned in 2000 good oak regen starting now includes old stand 138 from 1996 OI.														

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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 H	Tot. BA								
14	O 6	M 1	14	87	9	110	61	oak	mature	Y	shelterwood-seed	within 0-9 years	1	natural regeneration
comnts Fmd : stand should be cut. Shelterwood to 20 SF and burn with same conditions as stand 13 was.														
15	A 3	A 3	18	16	1	0	60	aspen (upland)	immature	N		50-59 years	0	
16	A 3	A 3	8	16	1	0	70	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : CLEARCUT IN 1990.														
17	O 3	O 3	73	5	1	0	42	oak	immature	N		50-59 years	0	
comnts Fmd : Cut in 2000. Oak regeneration looks good.														
18	A 3	A 3	4	16	1	0	70	aspen (upland)	immature	N		50-59 years	0	
comnts Fmd : CLEARCUT IN 1990.														
19	R 6	X 0	35	50	7	120	50	red pine	immature	N		10-19 years	0	
comnts Fmd : Thinned 2000														
20	J 5	O 2	67	30	6	50	41	jack pine	immature	N		20-29 years	0	
21	O 3	A 3	79	16	1	0	70	oak	immature	N		50-59 years	0	
comnts Fmd : New land acquisition.														
22	J 6	J 1	13	62	8	120	41	jack pine	immature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : Clear cut followed by trenching and replanting to jack pine. Results will be a jack pine stand with oak regeneration mixed in as well.														
23	J 5	O 3	16	5	8	40	42	jack pine	immature	N		50-59 years	0	
comnts Fmd : Partial cut 2001. All Jack Pine left for visual.														
24	X 0	X 0	2			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : OLD GRAVEL/SAND BORROW PITS.														
25	J 6	O 2	12	36	4	90	42	jack pine	immature	N		30-39 years	0	
26	O 3	M 1	129	5	1	0	57	oak	immature	N		60-69 years	0	
comnts Fmd : (reverse 5 spot 2001) has worked well some good oak coming back. Includes 14 uncut blocks of O6 each block is 1.23 acres in size. Do not harvest blocks.														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
27	O 6	M 2	89	86	9	90	50	red pine	immature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : This is a poor oak site and for the most part the timber is on the decline. Final harvest followed by interplanting to ped pine to maintain full stocking the resulting regeneration would be a mik of red pine, oak and jack pine. Or heavy shelterwood to 20 sf followed by Rx burn. Mark reserve trees to leave both individually and in groups. Parts of stand are hilly lots of ORV activity.														
28	O 9	M 3	9	86	9	70	57	oak	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Partial harvest 2001.														
29	O 6	E 3	3	87	8	80	60	oak	two aged	Y		50-59 years	0	
<u>Treatment Limiting Factors:</u> Too steep Scenic values/visual values														
comnts Fmd : South of stand 23 buffer to road and homes. ORV damage, hill climb area.														
30	A 4	J 3	62	30	5	20	46	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : The stand is predominantly an A4 type. There however is a good intermix of some oak and a lot of jack pine. The jack pine is particularly more prevalent in the north half. This heavy mixture of jack pine and sparser aspen clones is what separates this stand from Stand 37. Was clearcut in 1976. Portion of snowmobile trail goes through this stand east of Caner Trail.														
31	A 4	O 2	20	17	5	20	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Regeneration is far better on the east half of the stand with the west side being sparser, broken up by grass openings. Have a mix of oak regeneration. The east side is A4 with the west still being A3. Snowmobile trail goes through stand.														
32	J 9	J 3	5	51	9	70	55	jack pine	immature	N		10-19 years	0	
comnts Fmd : Stand is a jack pine cover type but there are scattered sawlog size oaks intermixed. The oaks for the most part are those with cauliflower tops and not good merchantability. The 60 year old pine is for the most part gone. The majority is in the 40-50 year old class. Not ready to cut yet. Check in 10 years for mortality of pole size jack pine due to oak overstory. West tip is heavier to large wolfy oak overstory so typed this into stand 34.														
33	O 9	O 3	9	96	9	70	54	oak	two aged	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : There were past treatments where there was a salvage of red maple, aspen, and some oak. The regeneration is doing well and coming back to oak and red pine. The overstory sawlog oak is past rotational age but should be held one more rotation so as to get more oak regeneration into the pole size class then remove the large trees.														
34	O 9	O 2	23	80	9	180	40	oak	mature	Y	shelterwood-seed	within 0-9 years	2	
comnts Fmd : The sawlog size oak overstory has reached its rotation age and then some. Starting to get mortality. The north portion of the stand has a good oak regeneration mix with red pine. The further south this oak regeneration thins out into more jack pine. Shelterwood cut stand down to 40 basal area. Remove oak that will not make future rotations. Snowmobile trail bisects stand.														
35	J 6	J 3	44	36	7	90	53	jack pine	immature	N		20-29 years	0	
comnts Fmd : Was cut in 1970. Is a jack pine timber type with good jack pine regeneration in the understory. North half has large red pines in the 20 inch plus range left when cut. They are showing up in the plots. Would cause too much damage if tried to remove them so leave for diversity, Some oak and red pine regeneration in stand also. Ground cover is a blueberry grass mix. Average D.B.H. is 7 inches excluding the large red pines. About a three acre O9 inclusion on north loine in the center. Leave this. The two-track along north line is not in fact on the line, it is 10-15 feet onto the private parcel.														
36	J 9	O 2	6	60	9	180	46	jack pine	mature	Y	final harvest	within 0-9 years	2	planting
comnts Fmd : Parts of Stand 40's red pine fingers into this stand. Sawlog size jack pine is dying and the pole size is not doing best either. Only regeneration in understory is oak. Cut to remove all jack pine, oak, and aspen. Leave large oak along north line for visual diversity and remove red pine down to 10 inches. Interplant with jack pine to keep its stocking level.														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
37	A 4	A 3	20	27	5	10	65	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Clearcut in 1979. Just breaking into A4 class with pockets of J3 and pin cherry. Has denser concentration of aspen than Stand 30 with less of a jack pine component also. Short segment of snowmobile trail crosses this stand.														
38	J 6	J 2	10	27	8	70	55	jack pine	immature	N		30-39 years	0	
comnts Fmd : Clearcut in 1979. The larger diameter and concentration of jack pine is in the southwest corner. As go north get less pine and more hardwoods. Overall jack pine is the dominant understory with sparse oak.														
39	J 3	O 2	19	18	3	0	40	jack pine	immature	N		40-49 years	0	
comnts Fmd : Clearcut in 1988. Still a J3 stand with an O2 understory off stump sprouts. Portion of snowmobile trail passes along south edge.														
40	R 6	X 0	28	49	8	120	55	red pine	immature	N		10-19 years	0	
comnts Fmd : Third row thinned in 2000. Placed a skid trail in an east/west orientation halfway down two-track that bisects the stand. Have some pockets of jack pine on outer fringes. Check in ten years to see if basal area is high enough to warrant a select thinning. F.D.F.														
41	J 6	M 3	27	58	8	220	44	jack pine	high risk	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : Mortality occurring in all age classes of jack pine down to saplings. Regeneration is mostly hardwood with red maple on the west end and oak on the east. Cut everything to 2 inches to allow jack pine regeneration an even field to take hold. May need to interplant with jack pine to maintain stocking levels.														
42	A 9	M 3	23	43	10	110	75	aspen (upland)	two aged	N	final harvest	within 0-9 years	1	
comnts Fmd : Selective clear cut in 1963 has resulted in a two aged stand. Harvest now - manage for a mix of natural regeneration of aspen, Mr and oak. Stand is all upland with rolling hills - Red oak is excellent quality. Mark to leave scattered oak reserve trees both individually and in small groups - Target large crown wolf trees to leave. Core samples: co-dominant aspen 44 yrs. Co-dominant red oak 80 yrs. Leave narrow buffer between powerline and Long Lake Road.														
43	J 6	J 3	9	48	8	140	46	jack pine	immature	N		10-19 years	0	
comnts Fmd : Moss ground cover. Main sawlog size trees are at rotation age byt very few of them. Most of stand is in the 30-40 year pole size class. Oak regeneration is only thing under 4 feet. Regeneration entering into 5 inch class is jack pine. Can wait another 10 years. Snowmobile trail along west edge.														
44	O 3	J 2	20	17	3	0	55	oak	immature	N		60-69 years	0	
comnts Fmd : Was a mixed stand cut in 1989. The oak has taken over as the dominant species being an O3 with jack pine intermixed as J2. There is still good pockets of aspen regeneration but at this time it is not the higher percentage cover type. Snowmobile trail passes through.														
45	O 3	J 2	11	17	3	0	57	oak	immature	N		40-49 years	0	
comnts Fmd : Was clearcut in 1988 and was a J6 stand. Currently is in an O3 stand with jack pine mixed in at J2. Give time to see if pine takes over dominance.														
46	P 6	O 1	21	36	7	110	74	balsam poplar & swamp aspen and swamp white birch	low quality	N		20-29 years	0	
comnts Fmd : North end has sparser aspen regeneration with the older aspen beind dead. The southern portion has more tag alder brush with oak regeneration. The stand is islands of high ground separated by wet swales feeding into Floodwood Creek. Could harvest in a late dry summer or cold winter. The predominant type is not at rotation age. Check in ten years to see if still holding. If not then schedule a cut. Stand will never be a big timber producing area. Low quality.														
47	O 6	O 3	7	83	8	100	54	oak	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Scenic values/visual values														
comnts Fmd : Nice mix in understory O3/Mr1-O2-Mr4. Hold 10 yrs for visual.														

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							
48	J 6	O 2	92	60	8	200	52	jack pine	mature	Y	final harvest	within 0-9 years	2	planting
comnts Fmd : Ready to be cut. Has a six acre pocket in the middle that was Stand 248, but there is little difference now so will manage together. For visual leave a large oak or red pine about one for 4 acres due to the half mile of frontage on Leota Grade Road. Interplant with jack pine to maintain a stocking level.														
49	O 4	O 3	5	56	4	30	65	oak	immature	N		30-39 years	0	
comnts Fmd : No corners or fence around cemetery. Leave stand for visual around Twp. Cemetery that is located within this 40.														
50	O 9	O 2	15	92	11	160	57	oak	high risk	Y	final harvest	within 0-9 years	1	
comnts Fmd : Oak overstory is dying. Need to clearcut down to two inches for all species except oak. Leave all oak 6 inches and less. It is an oak type but has pure aspen inclusions. Parts of stand will come back aspen and not oak. Will be a good mix.														
51	A 3	A 3	13	18	3	0	58	aspen (upland)	immature	N		30-39 years	0	
52	A 3	O 1	29	18	2	0	50	aspen (upland)	immature	N		30-39 years	0	
53	R 9	U 1	19	69	9	160	54	red pine	immature	N	thinning	within 0-9 years	1	
comnts Fmd : Harvest all species except red pine. Individually tree mark red pine to reduce red pine BA/AC to 90 sq. ft.														
54	R 6	X 0	11	49	8	120	59	red pine	immature	N		10-19 years	0	
comnts Fmd : Third row thinned 2000.														
55	A 4	X 0	13	35	4	20	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd :														
56	A 6	A 1	32		8	80	48	aspen (upland)	unevenaged	N		10-19 years	0	
57	M 4	X 0	12	86	6	30	42	northern hardwood	immature	N		not scheduled	0	
comnts Fmd :														
59	A 3	O 1	72	17	3	0	55	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Good quaking aspen regeneration still. Has pockets of bigtooth. Was cut in 1989.														
60	A 5	O 2	18	31	8	60	54	aspen (upland)	low quality	N		not scheduled	0	
comnts Fmd : Has moved into the A5 class. Stand is small. It is a patchwork of tag alder swales dotted with high ground portions growing a mix of aspen and some sawlog size jack pine. Possibly could harvest in a very dry or cold season but the current stocking would not warrant this. Leave as a corridor for Floodwood Creek.														
61	J 3	J 3	15	6	1	0	49	jack pine	nonstocked	N		50-59 years	0	
comnts Fmd : clearcut in 1999														

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					B H	Tot. BA								
62	A 3	A 3	23	18	3	0	52	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Third row thinned 2000														
63	R 6	X 0	13	67	8	90	60	red pine	immature	N		10-19 years	0	
comnts Fmd : Red pine and jack pine interplanted in 1938. All oak and jack pine cut in 2001. Not a plantation.														
64	R 9	O 3	66	68	9	80	55	red pine	immature	N		10-19 years	0	
comnts Fmd : Red pine and jack pine interplanted in 1938. All oak and jack pine cut in 2001. Not a plantation.														
65	R 9	O 3	59	68	9	100	55	red pine	immature	N		10-19 years	0	
comnts Fmd : Red pine and jack pine interplanted in 1938. All oak and jack pine cut in 2001. Not a plantation.														
66	A 3	A 3	9	17	2	0	52	aspen (upland)	immature	N		30-39 years	0	
67	L 0	L 0	20		0	0	32	lowland brush	nonstocked	N		not scheduled	0	
68	L 0	L 0	131		0	0	32	lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush with some small islands of merchantable timber surrounded by water. Feeds into and is bisected by Floodwood Creek.														
70	O 3	O 1	42	12	2	0	60	oak	immature	N		50-59 years	0	
comnts Fmd : Partial cut in 2001.														
74	A 3	A 3	71	6	1	0	67	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Final harvest 2000. Excellent aspen regen.														
75	O 3	J 1	18	26	4	0	52	oak	immature	N		40-49 years	0	
comnts Fmd : Salvage cut in 1980.														
77	O 7	O 1	12	70	9	40	36	oak	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : Good oak regeneration. Remove declining oak overstory to release oak understory.														
78	A 3	M 2	54	18	3	0	75	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Final harvest in 1988. Excellent aspen growth.														
80	A 6	A 3	48	36	7	120	70	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Final harvest in 1970. Excellent aspen growth.														

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					B H	Tot. BA								
81	O 7	O 3	10	86	14	10	61	oak	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Other special wildlife habitat consideration (desc. In comments)</p> <p>comnts Fmd : Poor quality oak timber, semi open stand, Autum olive interplanted in 1980. Leave for wildlife mast production.</p>														
82	R 6	X 0	33	49	10	150	60	red pine	immature	N		10-19 years	0	
<p>comnts Fmd : Thinned 2000.</p>														
83	O 6	W 2	12	98	9	90	60	oak	immature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity Retention of stand for regeneration purposes (ie. shelterwood)</p>														
85	A 3	A 3	15	18	3	0	77	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : Final harvest in 1988. Excellent aspen regen with oak mixed in as well.</p>														
86	Z 0	Z 0	9			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : SMALL LAKE LOCALS CALL "PORKY POND"</p>														
87	O 7	M 3	21	89	10	40	64	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood) Delayed treatment for age/size class diversity</p> <p>comnts Fmd : Stand was thinned 8/2000. Oak, aspen, Mr and cherry regeneration good. Keep for one more rotation to nurture regeneration.</p>														
89	O 5	O 3	12	61	6	50	45	oak	immature	N		20-29 years	0	
<p>comnts Fmd : Stand has regenerated well to O4/O3 on its own. Records indicate Gypsy Moth in past. All dead trees have been cut by firewood cutters. No treatment - let mother nature take course here.</p>														
90	O 6	O 3	16	83	8	100	54	oak	immature	Y	shelterwood-prep	within 0-9 years	1	
<p>comnts Fmd : Harvest all maple and aspen, reduce oak residual to 40 to 50 sq. ft. Nice mix in understory O3/Mr1-O2-Mr4. In some areas very little oak will need to be marked.</p>														
91	A 6	M 3	61	43	10	160	75	aspen (upland)	two aged	N	final harvest	within 0-9 years	1	
<p>comnts Fmd : Selective clear cut in 1963 has resulted in a two aged stand. Harvest now - manage for a mix of natural regeneration of aspen, Mr and oak. Stand is all upland with rolling hills - Red oak is excellent quality. Mark to leave scattered oak reserve trees both individually and in small groups - Target large crown wolf trees to leave. Core samples: co-dominant aspen 44 yrs. Co-dominant red oak 80 yrs. About 10 acres of O9 at NE corner of stand contains prime red oak.</p>														
92	O 4	O 3	8	56	5	20	47	oak	sparse	N		40-49 years	0	
<p>comnts Fmd : Old grass stand filling in with oak. Semi open.</p>														
93	O 5	O 3	52	70	6	60	47	oak	immature	N		10-19 years	0	
<p>comnts Fmd : Stand is regenerating well to oak on its own.</p>														
94	O 5	O 3	19	61	6	50	47	oak	immature	N		30-39 years	0	
<p>comnts Fmd : Stand has regenerated well to O4/O3 on its own. Records indicate Gypsy Moth in past. Lots of dead and down here some have been cut by firewood cutters. No treatment - let mother nature take course here. Very dense understory O3, hawthorn and blackberry.</p>														

Stand	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA	Site Indx							
95	O 8	A 3	20	90	10	40	58	oak	two aged	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Partial cut in 2001. Nice mix of aspen, Mr and oak regen as a result of the harvest.														
96	M 5	A 3	33		8	50	61	northern hardwood	two aged	N		30-39 years	0	
comnts Fmd : Partial cut in 2000. Nice mix of aspen, Mr and oak regen as a result of the harvest.														
97	A 6	A 3	16	28	5	70	70	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Clear cut 1978.														
98	A 3	A 3	9	18	2	0	61	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Clear cut 1988.														
99	A 3	A 3	25	18	3	0	68	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Clear cut in 1988.														
100	O 9	M 2	31	87	14	130	60	oak	immature	Y	selection	within 0-9 years	1	
comnts Fmd : Individual tree mark reducing residual BA/AC to 70 to 80 sq. ft. Keep a mixed stand do not eliminate any one species. Shortwood operation only. Spring bark slip spec. as well. Scattered ponds. No past harvest activity. High quality timber.														
101	A 6	A 3	75	39	7	100	75	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : All aspen removed in 1968 - oak and Mr was left. Hold 10 yrs. This stand is much wetter than surrounding stands.														
102	O 8	A 3	35	86	12	50	60	oak	two aged	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Partial cut in 2001. Nice mix of aspen, Mr and oak regen as a result of the harvest. Heavy to aspen and Mr in understory. Rolling hills. All aspen, birch and marked oak were removed. BA before harvest was 100 sq. ft. Aspen clone at east edge of stand along 2 track.														
103	O 6	M 3	27	86	11	150	60	aspen (upland)	two aged	Y	final harvest	within 0-9 years	1	
comnts Fmd : NIMS plot at north end of stand. Final harvest manage for a mix of natural regeneration of aspen, oak and Mr. Leave scattered white pine located in the SW corner of stand for visual. High quality oak stand with scattered aspen clones. More aspen along Long Lake Road. Red maple pole understory in many places - stand is converting to Mr.														
104	O 8	M 2	22	86	12	50	60	oak	two aged	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Partial cut in 2001. Residual is high quality red oak. Nice mix of aspen, Mr and oak regen as a result of the harvest. More oak regen here then other partial cut stands from 2000/2001 cuts. Rolling hills. BA before harvest was 110 sq. ft. (Could enter this stand now to remove over story)														
105	A 6	A 3	30	43	7	100	70	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : All aspen removed in 1963 - oak and Mr was left. Hold 10 yrs. Manage for aspen.														
107	O 8	A 3	21	86	10	40	50	oak	two aged	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Partial cut in 2001. Nice mix of aspen, Mr and oak regen as a result of the harvest. Heavy to aspen and Mr in understory. Rolling hills. BA before harvest was 100 sq. ft.														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA								
108	A 3	A 3	11	18	2	0	70	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Clear cut 1988. A3/O1 mix.														
109	A 9	M 3	21	72	10	110	68	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : Final harvest manage for a mix of natural regeneration of aspen, Mr and oak. Expand sale boundary down into stand 94. (About 1 to 2 chains) Much of the aspen is over mature. Stand line between this stand and stand 97 is broad.														
110	A 4	A 3	10	18	4	30	68	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Clear cut 1988. Excellent aspen regeneration. In transition between A3 and A6.														
112	P 6	Q 3	16		9	110	68	balsam poplar & swamp aspen and swamp white birch	unevenaged	N		not scheduled	0	
comnts Fmd : Very wet site. Lowland brush in many places. Mixed swamp aspen, birch, red maple and pockets of cedar. Balsam fir understory in many places.														
113	A 3	A 3	11	18	2	0	75	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Clear cut in 1988. Mix A3/O1.														
115	L 0	L 0	29		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh grass, standing water, standing dead trees. Haskel Lake drainage system. Beaver activity.														
116	A 6	A 3	14	39	7	130	75	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Clear cut in 1967. Hold for 10 yrs. Manage for aspen. Very nice aspen on hill above lake.														
117	A 3	A 3	25	16	4	0	50	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Real estate cut in 1990. (seed tree cut) Nice mix of regen A3/A2-O2-Mr2. Coding stand for understory. Understory is just starting to reach pole size. 30 sq. ft. of oak. No treatment.														
119	A 5	A 3	31	16	5	50	50	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Real estate cut in 1990. (seed tree cut) Nice mix of regen A3/A2-O2-Mr2. Adjacent to Haskel Lake. Understory is just starting to reach pole size. Lots of species diversity here white pine, red pine, jack pine, oak Mr and aspen. No treatment.														
120	A 6	A 3	33	37	7	130	75	aspen (upland)	immature	N	final harvest	within 0-9 years	1	
comnts Fmd : Final harvest manage for a mix of natural regeneration of aspen, Mr and oak. Red maple understory reaching pole size. Excellent quality timber. Rolling hills. (hills maybe steep enough to seasonally restrict logging operations.)														
121	M 5	A 3	86	60	8	40	60	northern hardwood	two aged	N		30-39 years	0	
comnts Fmd : Real estate cut in 1990. A3/Mr3 understory is just starting to reach pole size. Pot hole (all the pot holes are connected) drainage system that is part of the Haskel Lake Drainage system within stand. Parts of stand are wet. Manage for understory that is in place.														
122	M 5	A 3	113	87	8	40	65	northern hardwood	two aged	N		30-39 years	0	
comnts Fmd : Real estate cut in 1990. A3/Mr3 understory is just starting to reach pole size. Manage for understory that is in place.														
123	O 5	M 2	21	70	8	40	60	oak	two aged	N		30-39 years	0	
comnts Fmd : Real estate cut in 1990.														

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GLADWIN FOREST MGT UNIT

Stand Level Information

Compartment: 5

Entry Year: 2008

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA	Site Indx							
126	O 5	O 3	11	70	6	40	50	oak	two aged	N		10-19 years	0	
comnts Fmd : Real estate cut in 1990. O3/Mr understory.														
127	O 5	M 3	19	77	7	40	60	oak	two aged	N		40-49 years	0	
comnts Fmd : Real estate cut in 1990. Mr/oak/aspen understory.														
128	O 5	O 3	15	70	6	60	50	oak	two aged	N		10-19 years	0	
comnts Fmd : Real estate cut in 1990. O3/Mr understory.														
129	A 3	A 3	5	16	3	0	70	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Clear cut 1990. A3/O1 mix of natural regeneration.														
130	Z 0	Z 0	5		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : BMP issue here with access road to Haskel Lake. Beaver activity.														
131	Z 0	Z 0	34		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Hakel Lake.														
132	E 4	L 0	2	75	6	30	49	swamp hardwoods	immature	N		not scheduled	0	
comnts Fmd : Tag alder, very wet.														
133	A 9	O 1	14	58	9	200	48	aspen (upland)	low quality	Y	final harvest	within 0-9 years	2	
comnts Fmd : Aspen type with a jack pine/oak mix. Along the floodplain od Floodwood Creek. Need to cut now or going to lose the aspwn component. Treat with Stand 40 but DO NOT interplant with jack pine.														
134	M 4	X 0	7	46	5	10	47	northern hardwood	sparse	N		not scheduled	0	
comnts Fmd : Area was cut over in 1979 but the jack pine was left. Two-aged stand with pine at rotation age now. Aspen and pine coming back in good where cut. Need to remove pockets if older pine which is about half the stand's total acreage. May have to replant with jack pine to maintain stocking. Manage with Stand 41.														
135	J 9	J 2	17	27	9	140	46	jack pine	two aged	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Brachen/blueberry ground cover. Need to cut. Sawlog size jack pine is dying along with some pole size. No sapling size pine in understory, all is oak. Interplant with jackpine to maintain stocking. Snowmobile trail bisects stand.														
136	J 6	O 2	22	60	8	160	46	jack pine	high risk	Y	final harvest	within 0-9 years	2	planting
comnts Fmd : Brachen/blueberry ground cover. Need to cut. Sawlog size jack pine is dying along with some pole size. No sapling size pine in understory, all is oak. Interplant with jackpine to maintain stocking. Snowmobile trail bisects stand.														
137	J 8	J 2	3	56	9	50	43	jack pine	immature	N		10-19 years	0	
comnts Fmd : Partial harvest 2001.														
138	O 8	M 3	26	86	9	60	60	oak	immature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)														

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 H	Tot. BA								
140	J 6	J 3	13	29	5	80	44	jack pine	immature	N		20-29 years	0	
141	A 3	A 3	4	16	1	0	71	aspen (upland)	immature	N		50-59 years	0	
142	J 6	X 0	7	56	7	80	41	jack pine	immature	N		10-19 years	0	
comnts Fmd :														
144	O 3	O 2	6	18	3	0	44	oak	nonstocked	N		40-49 years	0	
comnts Fmd : Oak regenerating well.														
146	A 3	X 0	33	18	3	0	52	aspen (upland)	immature	N		not scheduled	0	
comnts Fmd : Habitat cut in 1988. Cut may have been for reason of extensive flooding occuring in area. Very wet and highly unlikely operable in near future.														
153	J 6	O 1	13	60	8	100	46	jack pine	immature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : Final harvest now. Leave scatered pockets of red pine. Mainly for visual. Interplant jack pine to maintain full stocking following harvest. Red pine density varies.														
156	A 3	A 3	47	5	1	0	48	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Clear cut 2001.														
157	J 6	O 1	8	58	9	120	46	jack pine	mature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd : Final harvest now. Interplant jack pine to maintain full stocking following harvest. Upland.														
168	L 0	L 0	10		0	0	32	lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Lowland brush with some small islands of merchantable timber surrounded by water. Feeds into and is bisected by Floodwood Creek.														
182	X 0	X 0	3		0	0	52	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd :														
190	A 3	A 3	9	6	2	0	75	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Clear cut in 2000. Nice mix of natural regen. A3/O2-A3-Mr2.														
203	A 3	A 3	27	5	1	0	73	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Clear cut in 2000. Nice aspen regeneration.														
217	R 3	O 3	97	6	1	0	42	red pine	immature	N		40-49 years	0	
comnts Fmd : Cut in 1999. Planted to red pine in 2000 will be a mixed pine/oak														

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GLADWIN FOREST MGT UNIT

Stand Level Information

Compartment: 5

Entry Year: 2008

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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 H	Tot. BA								
224	X 0	X 0	1			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
228	O 3	W 1	14	5	1	0	45	oak	immature	N		60-69 years	0	
comnts Fmd : Final harvest in 2001.														
242	J 6	X 0	8	56	7	80	41	jack pine	immature	N		10-19 years	0	
comnts Fmd :														
246	J 6	O 2	8	91	8	300	65	jack pine	mature	Y	final harvest	within 0-9 years	2	planting
comnts Fmd : Mix of red and jack pine well past maturity right on the line to being classed as a saw size stand. There is aspen clones and scattered oak. The regeneration is oak with it fading into red maple at the north end. Cut and leave white pine over 18 inches for diversity. Interplant with jack pine to maintain stocking levels.														
256	J 6	A 2	4	56	8	80	43	jack pine	immature	N		10-19 years	0	
262	J 6	O 1	6	70	8	130	48	jack pine	immature	Y	final harvest	within 0-9 years	1	planting
comnts Fmd :														
342	J 6	X 0	3	56	7	80	41	jack pine	immature	N		10-19 years	0	
comnts Fmd :														
400	G 0	G 0	4		0	0	61	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Maintained wildlife opening.														
401	G 0	G 0	6		0	0	41	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Wildlife Opening.														
402	G 0	G 0	9			0	41	grass	nonstocked	N		not scheduled	0	
comnts Fmd : OLD LANDFILL SITE FOR WILSON STATE PARK AND FOR HIGHWAY KILLED DEER. Filling in with J3.														
403	G 0	G 0	3		0	0	50	grass	nonstocked	N		not scheduled	0	
comnts Fmd : PARTLY FILLED IN WITH JP.														
404	I 0	I 0	1			0	50	local use	nonstocked	N		not scheduled	0	
comnts Fmd : PARKING LOT FOR SNOWMOBILE TRAIL USERS.														
405	G 0	G 0	10			0	40	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Along Caner Trail and snowmobile trail.														

GLADWIN FOREST MGT UNIT

Stand Level Information

Compartment: 5

Entry Year: 2008

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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	D B H	Tot. BA							
406	G 0	G 0	5	0	0	61	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Maintained wildlife opening.													
407	G 0	G 0	2	0	0	50	grass	nonstocked	N		not scheduled	0	
comnts Fmd :													
408	G 0	G 0	15	0	0	50	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Filling in with white pine and oak - on a knoll. Hill climb area.													
409	G 0	G 0	6	0	0	47	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Filling in with oak.													
410	G 0	G 0	4	0	0	48	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Filling in with white pine and oak.													
411	G 0	G 0	3	0	0	48	grass	nonstocked	N		not scheduled	0	
comnts Fmd :													
412	G 0	G 0	2	0	0	48	grass	nonstocked	N		not scheduled	0	
comnts Fmd :													
413	G 0	G 0	13	0	0	48	grass	nonstocked	N		not scheduled	0	
comnts Fmd : Filling in with red pine.													
Total Acres.....			3714										