

\* 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	Age	A c r e s	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
1	L0	L0	220		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : This stand is a large L-Type with areas of shallow open water. The stand has some scattered island of oak and red pine in it; some of these islands are interconnected others are not. They are mainly inaccessible.														
2	E6	O2	46	50	9	90	65	swamp hardwoods	immature	N	seed tree	within 0-9 years	2	natural regeneration
comnts Fmd : This stand is undulating and is a mix of dry knolls and wet swales. The ground cover in the stand varies with braken fern and grass on the knolls; and braken fern and blueberry in the swales. Harvest the stand as a seed tree, removing all species except oak. Then mark some oak trees to maintain 10-30 BA. Note: The stand does have some wet drainways that will need to be crossed when it is harvested. Also mark all obvious den trees and retain all dead standing and dead down for snags and horizontal structure. It is expected that the stand will regenerate as a swamp hardwood mixed with oak but oak may become the dominate spieces and that will be acceptable.														
3	L0	L0	14			0		lowland brush	nonstocked	N		50-59 years	0	
comnts Fmd : This stand is an L-Type that lays between the Midland to Mackinac Boy Scout trail and stand 101. The stand is mainly made up of tag alder that is 2-4 feet tall with some widely scattered swamp hardwoods.														
4	A6	A2	33	29	7	100	70	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : This stand is along a ridge that is much denser then stand 104. It is mainly bigtooth aspen with some pocket of trembling aspen. The stand is regenerating and growing well and it may be harvestable in 10 years; cutting it early will help even out aspen age classes distribution.														
5	E9	E2	33		18	90	50	swamp hardwoods	immature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Water quality/bmps														
comnts Fmd : This stand is on the flood plain of Black Creek. It has some larger diameter trees but the BA is too low to sustain a selection without having problems with wind throw. Also the soils are very wet being the Evart-Winterfield association. Because of this the majority of the years loggers will not be able to operate in the stand because of wetness.														
6	R6	O1	15	44	8	190	65	red pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : The stand is ready to be thinned. The rows are curvy but the spacing between rows is fairly good. There are 2-track part way through the stand that could be used for access. On one of these trails is an oak knoll that could be clear cut and used for a landing. Harvest the stand as a 3rd row thinning removing as much of the hardwood as possible without damage the residual too much, leave all white pine except what is within the cut rows.														
7	E6	O2	15	67	8	80	60	swamp hardwoods	immature	N		10-19 years	0	
comnts Fmd : Examine in 10 years for possible harvest.														
8	A2	O2	3	7	1	0	60	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : The stand is fairly open but it has pockets of A3 and pockets of O3. The overall covertime is A2O2 with a stocking level of 2. The stand will probably fill in over time.														
9	A3	O2	14	17	2	0	60	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Stand is a A2O2 overall with a stocking level of 3. The trees in the stand are currently 15-20 feet tall and should be moving into poles in the next 10 years. There is some variability in the stand mainly due to the change in soils. The north end has smaller trees and is on Roscommon soil and the south end is signifcantly larger and is on Rubicon-Crowell soils.														
10	E9	E2	54		12	80	70	swamp hardwoods	unevenaged	N		10-19 years	0	
comnts Fmd : This stand is very hummocky with many areas of standing water. The aspen in the stand is declining an much of it is too rotted to be of any value commercially. The BA in the stand is currently too low to have a select harvest and not risk wind throw; wait 10 years then thin by making regeneration opening.														

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Stand	Cover Type-Size Dnstry	Under Story-Stkng Level	Acres	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
11	O4	O3	33	4	4	20	70	oak	immature	N		40-49 years	0	
comnts Fmd : Part of Three Rivers Oak 030-97-01 and was harvested in 2001. The harvest left oak less than or equal to 4 inches DBH. The stand is currently an O4O2A2 overall, but the southern end of the stand is more of an O5O2A2. The deer in the area are really working the ground under the more mature oaks looking for acorns.														
12	O9	O3	52		13	70	60	oak	unevenaged	N	shelterwood-seed	within 0-9 years	2	natural regeneration
comnts Fmd : Part of Three River Oak 030-97-01. This stand was shelterwood harvested in 2001 and now has a good layer of oak regeneration. The stand is ready to be harvested as a seed tree harvest leaving 10 to 20 BA. Concentrate most of the removal on the high risk trees. Mark from remain trees to provide a mix of mast trees and trees of better form to provide some good genetics for seed source. Leave all standing dead and dead down trees for snags and horizontal structure.														
13	E5	E1	14		7	40	55	swamp hardwoods	unevenaged	N		10-19 years	0	
comnts Fmd : The stand is along a large L-Type and it is a mix of ridges and swales. The ridges are oak with a ground cover of bracken fern; the swales are swamp hardwood with a ground cover of blueberry and tag alder.														
14	O6	O3	18	75	8	70	50	oak	immature	N		10-19 years	0	
comnts Fmd : The stand is high and dry and is a nice pole oak stand with a good O3 understory.														
15	A3	O2	13	16	3	0	70	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : This stand is coming along very well and should be a pole stand is 10 years.														
16	Z0	Z0	8		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : This stand is part of a beaver flooding.														
17	A6	O2	10	41	6	70	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : This stand is a poor quality trembling aspen stand that has some red maple and some oak in it.														
18	O4	O1	5	41	6	20	50	oak	sparse	N		not scheduled	0	
comnts Fmd : This stand is sparsely treed with the covertime of O4W4O1. It is along a beaver flooding and it has the ground cover of blueberry and bracken fern.														
19	E5	E1	11	61	6	50	65	swamp hardwoods	immature	N		10-19 years	0	
comnts Fmd : The stand grades for a fringe of bigger trees along Three Rivers Road and smaller trees intermixed with brush. The brush increases as you go west from the road.														
20	O8	O3	30	61	14	40	65	oak	mature	N		10-19 years	0	
comnts Fmd : This stand was a part of the Three Rivers Oak shelterwood harvest in 2001. The oak regeneration is good but it is still small. Hold the stand for 10 years then remove the overstory. At that time we may want to retain the oak less than 4 inches DBH.														
21	O5	O2	8	41	6	60	60	oak	immature	N		20-29 years	0	
comnts Fmd : The stand was harvested leaving some of the oak. The oak in the stand has regenerating well, but the aspen has not. The stand will be an O6 in 10 years.														
22	A3	O1	42	16	3	0	75	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : The stand is regenerating well and is an A3 with an average DBH of 3". The aspen in the stand is a mix of bigtooth and trembling aspen with some pockets of oak. There is some beaver activity along the Black Creek and its tributaries. The beaver have removed the aspen in a narrow strip along the creek making the aspen stand fringed with a thin ribbon of O2. There is an old walking trail through it that is still used to some extent, but mostly by deer.														

Stand ID	Cover Type- Size Dnsty	Under Story- Stknng Level	A c r e s	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA	Site Indx							
23	A3	A3	38	17	3	0	55	aspen (upland)	immature	N	30-39 years	0		
comnts Fmd : The stand is regenerating OK with an overall stocking of a light A3 of mainly trembling aspen. It does have some pockets of red maple, oak and bigtooth aspen. The stand should be a pole stand in 10 years probably an A5A2.														
24	E6	E2	11	68	9	90	65	swamp hardwoods	immature	N	10-19 years	0		
comnts Fmd : This stand lies on either side of Fish Creek. It is mainly poles with some sawlogs in it. The site is heavy to red maple and ash.														
25	E4	E2	15	7	4	20	60	swamp hardwoods	sparse	N	50-59 years	0		
comnts Fmd : The stand was cut leaving some of the younger trees. It has not regenerated well and is currently only and E4E2. There are some pockets of good regeneration and also there are some open areas.														
26	A6	A2	58	25	5	70	80	aspen (upland)	immature	N	10-19 years	0		
comnts Fmd : This stand is doing well and is moving well into poles. In 10 years look at the stand for possible harvest to even out the aspen age class distribution in the compartment.														
27	E6	E1	42		9	90	60	swamp hardwoods	unevenaged	N	not scheduled	0		
comnts Fmd : This stand is on the flood plain of Black Creek and its tributaries. The flood plain is boarded by steep banks that have numerous seeps in them. There is some beaver activity on the creek making some area very sparse and more closer to an L-Type. The stand has large pocket of C and Q-Types toward the northern end of the stand. The soils are Evert-Winterfield.														
28	A5	A3	87	25	5	60	80	aspen (upland)	immature	N	20-29 years	0		
comnts Fmd : These stand is almost a pure aspen stand with some mix pockets of oak and red maple. The average DBH is 5 inches and the ground cover is a mix of bracken fern and blueberry with some witch hazel and june berry present. The stand is moving well toward a pole stand and should be an A6 in 10 years.														
29	A4	O1	15	49	5	20	50	aspen (upland)	sparse	Y	10-19 years	0		
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : The stand was burned (FTP W73-596) for blueberry production. The burn was cool and it skipped around a bit in the stand so it did not kill much of the aspen. The stand is more of an A4/V0. The burn itself did accomplish its goal and the blueberry shrub is fairly thick. Wait 10 years and reburn; at that time the aspen may be able to be commercially harvested.														
30	O2	O2	6	7	1	0	60	oak	immature	N	10-19 years	0		
comnts Fmd : The stand was cut then burned with FTP W73-596. The stand has regenerated to an O2 with very little aspen regenerated. The ground cover in the stand is mainly bracken fern and blueberry. May want to look at the stand in 10 years for possibly reburning to stimulate blueberry or may not if the oak sprout are not big enough to resist a cool burn..														
31	A2	A2	6	7	1	0	80	aspen (upland)	immature	N	50-59 years	0		
comnts Fmd : This stand was cut leaving red pine along M-61. It is mainly an A2 because of the size of the landing compared to the size of the stand. The stand has 2 main pockets of A3 seperated by areas of G (the landing).														
32	A2	A2	5	7	1	0	80	aspen (upland)	immature	N	50-59 years	0		
comnts Fmd : This stand was cut leaving red pine along M-61. The stand is an A2; because along the private line on the west side of it regenerated as a light O2. Also the landing is large compared to the size of the stand.														
33	O7	O3	9	60	18	20	50	oak	two aged	N	10-19 years	0		
comnts Fmd : This stand was burned for blueberry with FTP W73-596. There is now a thick growth of blueberry. The burned also stimulated oak regeneration generating an O3 understory. May want to wait 10 years and reburn for blueberry or not if the oak regen is not large enough to withstand a burn.														

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					B H	Tot. BA								
34	A1	A1	4	7	1	0	65	aspen (upland)	sparse	N		within 0-9 years	0	other - specify in remarks
comnts Fmd : The stand was harvested and did not regenerate well. It is a small stand and it appears to have only 3-6 aspen clones in the stand with some widely scattered oak and red maple. The stand may need to be planted to red pine or convert it to a maintained wildlife opening.														
35	O4	O1	9	7	4	20	60	jack pine	sparse	N		within 0-9 years	0	planting
comnts Fmd : This stand was harvested leaving some of the smaller oak and it has not regenerating well. Currently it is an O4 with large area of open grass. The stand need to be interplanted, with jack pine because of wet soils, to bring it to full stocking.														
36	L0	L0	17		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : This stand is an L-Type that has some scattered aspen throughout it but the stand is sparse. There are large areas of leather leaf and brush 2-4 feet tall.														
37	A4	E2	16	63	7	30	65	aspen (upland)	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : This stand is low and wet. If the stand is harvested it is expected not to regenerate well because of poor tree vigor. There are also some visual concerns with this stand for it is on the corner of M-61 and Three Rivers Road. Look at the stand in 10 years.														
38	L0	L0	12		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : This area was flooded by beavers at one time and now the dam is out and the stand is now thick to tag alder. The soils under the stand are Evart-Winterfield.														
39	E9	E2	45		11	100	70	swamp hardwoods	unevenaged	N		not scheduled	0	
comnts Fmd : This stand lies on the flood plain of Black Creek and its tributaries. Black Creek has some of the beaver activity.														
40	P5	O2	17	42	7	60	50	balsam poplar & swamp aspen and swamp white birch	immature	N		10-19 years	0	
comnts Fmd : There is a lot of variability in this stand. There are areas of lowland brush, areas of oak, areas of red maple and aspen. The aspen in the stand appears to be dying off and there is a fair amount of red and white pine in the stand.														
41	O3	O3	4	4	1	0	60	oak	immature	N		50-59 years	0	
comnts Fmd : The stand was cut and has regenerated as an O3 with very little aspen coming back. The ground cover in the stand is mainly grass and sweet fern.														
42	Z0	Z0	5		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : This is a beaver flooding.														
43	O2	A1	15	8	1	0	50	oak	immature	N		40-49 years	0	
comnts Fmd : Stand was a sparse oak stand 10 years ago with less than 10 BA. The stand was typed as a G0. The area was burned for blueberries under FTP W73-579. After the burn the stand regenerated as an O2A1 with the ground cover of blueberry. The stand is fairly sparse in the southern 2/3 of the stand being a light O2 and the northern 1/3 is a heavy O3.														
44	O3	O3	4	4	1	0	60	oak	immature	N		50-59 years	0	
comnts Fmd : The stand was cut and has regenerated as an O3, very little aspen has come back. The ground cover in the stand is mainly grass and sweet fern.														

Stand ID	Cover Type- Size 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 H	Tot. BA	Site Indx							
101	P5	E2	9	61	6	40	50	balsam poplar & swamp aspen and swamp white birch	immature	Y	final harvest	within 0-9 years	3	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : This stand is low and wet and is mainly trembling aspen, ash and some red maple. Along the west side of the stand there is a ridge of some mature oak and ash but it is unaccessible for this compartment some parts of the ridges may be accessible from compartment to the north and if possible harvest with them. The harvest of the ridges should be by clearcut.														
104	A5	A2	25	29	4	50	60	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : This stand is somewhat shorter and smaller in diameter than stand 4. It is also a lot heavier to trembling aspen while stand 4 is heavier to bigtooth aspen.														
105	O4	O1	11	50	6	40	50	oak	sparse	N	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : This stand is a mix of knolls and swales. The knolls are more of an O4 while the swales are more of and L-Type. May want to cut this stand with stand 2 if not, habitat cut. If the stand is cut it would be expected that the regeneration would be spotted if necessary interplant with jack pine to bring up to full stocking.														
114	O4	O2	29	8	4	10	50	oak	immature	N		40-49 years	0	
comnts Fmd : This stand was burned around 1997 with FTP W73-597. The stand was burned because of poor stocking. It was an O4A4 with good blueberry ground cover. After the burn the stand regenerated to an O2 and has pockets of O3 with the ground cover of blueberry and bracken fern.														
115	O9	O3	11		13	80	70	oak	unevenaged	N	shelterwood- seed	within 0-9 years	1	natural regeneration
comnts Fmd : This stand has regenerated well to oak and white pine. The oak is the main overstory tree. Also in the stand there are pockets of aspen, which are way overmature and will not regenerate well if harvested. The stand is to be converted to oak. Treat it by doing a seed tree harvest removing all maple, aspen and mark oak down to 10-30 BA, concentrating harvesting sawlogs leaving healthy trees for seed trees and healthy poles. Because all the maple and aspen are to be removed there may be area that may be very sparse this is will be acceptable.														
117	R6	O1	4	44	7	110	55	red pine	immature	N	delayed removal	within 0-9 years	2	
comnts Fmd : The stand needs to have the overstory removed to release the red pine.														
120	R6	O1	9	43	7	70	55	red pine	immature	N		30-39 years	0	
comnts Fmd : The stand has most of the oak and aspen overstory removed in 1998. The red pine has not yet showed any real good response to being released. Because of the long time the trees have been suppressed there may be a lag time for the response.														
123	A2	A2	20	17	2	0	50	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : The stand is lower and wetter than stand 20 and has a covertype of A2 with some scattered larger oak but there is less than 10 BA. The aspen is mainly trembling aspen. The stand appears to not be growing as well as stand 23 it may be 20 years before attaining a significant number of poles. The stand has pockets of leather leaf and tag alder.														
128	O8	O3	20	25	4	50	70	oak	immature	N		20-29 years	0	
comnts Fmd : This stand has some residual oak overstory that has a average DBH of 14 inches. The oak is mainly red and northern pin oak. The understory is an A2O2 with an overall stocking of 3.														
135	E4	E1	2	70	5	20	40	swamp hardwoods	sparse	N		not scheduled	0	
comnts Fmd : This stand is the part of stand 35 that was not harvested in 1999 because it was too wet. The stand is mainly tag alder with some scattered pole of swamp hardwoods. It also has one of the tributaries of Black Creek running through it.														
139	L0	L0	8			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : This stand was created by beavers but the dam has gone out and the overstory has died off. The area is now an L-Type with area of N and Z yet. The soil under the stand is Evert-Winterfield.														

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**GLADWIN FOREST MGT UNIT**

**Stand Level Information**

**Compartment: 63**

**Entry Year: 2007**

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S t a n d	Cover Type- Size 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							

Total Acres..... 1279