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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	A 3	A 3	18	18	3	0	75	aspen (upland)	immature	N		30-39 years	0	
comnts	Fmd : The stand is regenerating well and is heavy to trembling aspen with a fair amount of bigtooth. The soils under the stand is Tonkey, which is a fine sandy loam with up to 12" of muck at the surface. The regen is thick and should be a pole stand in 10 years.													
2	E 9	E 2	11	85	13	80	72	swamp hardwoods	mature	Y		10-19 years	0	
	Treatment Limiting Factors: Retention of stand for regeneration purposes (ie. shelterwood)													
comnts	Fmd : Stand was thinned with compartment 146 Sale Number 73-019-02-01 Riverside Harvest in 2003. It is not ready for another thinning at this time.													
3	E 4	L 0	73	85	6	20	43	swamp hardwoods	immature	Y		not scheduled	0	
	Treatment Limiting Factors: Too wet													
comnts	Fmd : The stand is on a very wet Carbondale Muck soil. Overall the stand is an E4/L0 with the overstory having many trees with broken out or dead tops and having significant rot. The brush in the stand is heavy to tag alder with some dogwood and michigan holly.													
5	E 4	E 2	13	61	6	30	75	swamp hardwoods	in process of regeneration	N	delayed removal	within 0-9 years	1	natural regeneration
comnts	Fmd : This stand is currently being harvested (Whitney Drain - Sale 73-015-05-02). The sale is a diameter limit cut (10"). The ground is heavily distrubed but not rutted heavily. Currently there are tops scattered all around the stand. The stand looks sparse after the harvest because it consisted of many larger diameter trees that were removed. The damage to the residual trees are significant but currently within acceptable limits.													
6	E 9	E 1	33	100	22	140	73	swamp hardwoods	mature	Y	selection	within 0-9 years	2	natural regeneration
comnts	Fmd : The soils under the stand shift from Willette Muck in the east end of the stand that is very wet with lots of stand water; to a Tonkey sandy loam in the west end of the stand that is some what moist but looks to dry out in late summer. Along with the soils type the trees species also shift from heavy to green ash on the Willette soil to heavy to red maple on the Tonkey. All the trees in the stand have flared butts indicating a shallow root system. The stand could be thinned but access would be difficult because of Whitney drain and private property. If the stand is harvested retain 90 BA of mixed species concentrate the removal on intermediate size trees leaving some of the larger trees to be future cavity trees and coarse woody debris (1 to 2 per acre). The harvest also should create some regeneration holes that are 60' to 80' diameter, but no more then 1 per acre while thinning the rest of the stand to the desired BA. Natural regeneration is expected after harvest, if the stand does not regenerate after harvest the stand will still be fully stock.													
7	E 6	L 0	17	85	7	80	45	swamp hardwoods	mature	Y		not scheduled	0	
	Treatment Limiting Factors: Too wet													
comnts	Fmd : The stand is low and wet with a ground cover heavy to red osier dogwood with some tag alder and button bush. Much of the stand is under water. The overstory still appears to be alive but some indication of decline.													
8	E 9	E 1	36	74	14	110	55	swamp hardwoods	mature	N		10-19 years	0	
comnts	Fmd : Stand has pockets of standing water in it. There are areas of large cottonwood in some of the wetter areas in the stand. Overall the stand is heavier to red maple and ash than cottonwood. Access to the stand is limited because there is private land to the north, south, and east of the stand and the Au Gres River to the west.													
9	E 6	E 2	11	86	10	90	55	swamp hardwoods	immature	Y		10-19 years	0	
	Treatment Limiting Factors: Too wet; Delayed treatment for age/size class diversity													
comnts	Fmd : The stand is in a wet depression with significant micro relief. It has suffered some wind trrow and there are many downed trees.													
10	A 3	A 3	266	18	3	0	80	aspen (upland)	immature	N		30-39 years	0	
comnts	Fmd : The stand is regenerating well and will be a pole stand in 10 years. It has a good precentage of paper birch regeneration especially in areas of wetter soils. The stand is about 85% aspen with some pockets of swamp hardwood regen, birch regen, and swamp aspen regen. It has two major soil types, AuGres Soil in the N1/2 and Kawkawlin Soil S1/2. The species on these two soils are slightly different with AuGres Soil having less paper birch and swamp hardwood then on Kawkawlin soil.													

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
11	Z 0	Z 0	37			0		water	nonstocked	N		not scheduled	0	
comnts	Fmd : The stand is a large beaver flooding.													
12	E 5	L 0	126	83	9	70	44	swamp hardwoods	mature	Y		not scheduled	0	
	Treatment Limiting Factors: Too wet													
comnts	Fmd : The stand is very wet ground and is 90% covered by ice at the time of inventory. The ground cover of brush gets thicker as you go west in the stand and the overstory declines. Though many of the trees are sawlog size most are pulpwood quality. The soils also change from east to west going from Willette to Bergland.													
13	E 9	E 2	43	91	14	100	65	swamp hardwoods	mature	Y	selection	within 0-9 years	2	natural regeneration
comnts	Fmd : Stand is moist with main species being ash and red maple but it has a significant amount of aspen in the west end of the stand as the soils go from Pickfort to Sims. The stand could be harvested removing the aspen and thinning the stand down to 80-90 BA. The aspen removal will make the BA lower then 80 BA in the west end of the stand which would be acceptable the Sims soil can have a lower BA without having wind throw problems. In the rest of the stand mark the stand to retain a mix of species.The stand is expected to regenerate naturally to swamp hardwoods in most of the stand but aspen may be the dominate regeneration species in the west end of the stand and this would be acceptable. If the natural regeneration fails the stand will still be a fully stocked stand.													
14	E 9	E 2	67	86	16	120	73	swamp hardwoods	mature	Y	selection	within 0-9 years	2	natural regeneration
comnts	Fmd : This stand is just north of a private land harvest on similar soil that had a 6" Diameter limit cut and is regenerating fair to poor. Most of the regeneration is in pockets and is heavy to cottonwood not much ash or maple. The stand on state land is fairly wet with pockets of standing water, so rutting is a major concern. If the stand is harvested it would have to be on dry/frozen ground and carfully watched. The BA in the stand should be kept between 80 and 90 to avoid wind throw, this could be done as a individual tree marking or marking the stand with 1-2 60' regeneration opening per acre with laying out skid trails and thinning between regen opening. The stand is expected to regenerated naturally with a mix of swamp hardwood probably heavy to ash. If the stand does not regenerate naturally it will still be a fully stocked stand.													
15	P 3	P 3	56	18	3	0	65	balsam poplar & swamp aspen and swamp white birch	immature	N		30-39 years	0	
comnts	Fmd : The stand was havested in 1988 and has regenereated into a dryer P-Type. The main species in the stand is trembling aspen but there are also paper birch, balsam popular, ash and some maple. It has some areas that are open and more like a wet medow or marsh mainly on the inclusion of Deford muck soil in the stand. It is regenerating well and should be a P5/P2 in 10 years.													
16	E 9	E 2	43	92	16	140	78	swamp hardwoods	mature	Y	selection	within 0-9 years	2	natural regeneration
comnts	Fmd : This stand is dryer than stand 12 and the trees are much larger in diameter and height. The soil is still very moist. It is heavy to ash with some red maple. The stand could be harvest because of the high BA but with the wet soils rutting could be a problem so harvest would have to be restricted to dry/frozen ground. The stand could be individually tree marked retaining 80-90 BA or mark making 2-60' regeneration gap per acre marking skid trails between opening and thinning between them. The stand is expected to regenerate naturally to swamp hardwood that will be heavy to ash. If the regeneration fail the stand will still be fullly stocked.													
17	E 9	E 2	26	64	15	100	68	swamp hardwoods	mature	N		10-19 years	0	
comnts	Fmd : The stand is brushy with the main species of brush being tag alder and michigan holly. The site index tree show sign of being released about 32 year ago. It showed and substantial increase in growth for a peiord of time and has recently decreased again.													
18	E 9	E 3	10	81	16	150	60	swamp hardwoods	immature	Y	selection	within 0-9 years	2	natural regeneration
	Treatment Limiting Factors: Too wet													
comnts	Fmd : The stand is low and wet but has a fair amount of regeneration. If the stand is harvested there could be a problem with rutting so harvest in dry/frozen conditions. Harvest should retain 90-100 BA because stand has a high probably of wind throw if harvested too severaly. The stand could also be cut by making regeneration opening 2-60' opening per acre and marking skid trails and thinning between openings. The stand is expected to regenerate naturally with swamp hardwood that may be heavy to ash. If the regeneration fails the stand will still be fully stocked.													
19	I 0	I 0	66			0		local use	nonstocked	N		not scheduled	0	
comnts	Fmd : This stand has been share croped in the past under the supervision of wildlife. Currently it is still in farm crops and has not been converted to any other cover as of yet.													

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
20	E 9	E 1	60	86	15	120	78	swamp hardwoods	mature	Y		10-19 years	0	

Treatment Limiting Factors:
Retention of stand for regeneration purposes (ie. shelterwood)

comnts Fmd : The stand was selected harvested with a crawler tractor during the winter. The site has not regenerated well much of the regeneration is sparse and mainly ash.

21	M 9	W 2	22	86	16	90	75	northern hardwood	mature	N		10-19 years	0	

Treatment Limiting Factors:
Adjacent landowner denies access
Delayed treatment for age/size class diversity

comnts Fmd : The stand is on a ridge that is heavy to pine. It could have typed out as a pine stand depending on where the plots fell.

22	E 5	E 2	40	86	5	40	30	swamp hardwoods	mature	Y		not scheduled	0	

Treatment Limiting Factors:
Too wet

comnts Fmd : The stand is variable and appears to be periodically flooded by beavers. The increment core of a tree showed cycles of very little growth followed by time of good growth. This is probably due to fluxuations in the water level in stand 1 (the beaver flooding to the south). The stand has pockets of thick regeneration with some residual overstory but also has areas that are E4/L0 with very little regeneration.

23	N 0	N 0	23		0	0		marsh	nonstocked	N		not scheduled	0	

comnts Fmd : This area was a beaver flooding but the dam is breeched and much of it has dried out. It is now a marsh or wet medow heavy to cattails, marsh grass, and sedges. The stand has many snags in it that currently being heavily used by wildlife. The stand has some brush (red osier dogwood) but much of it is herbs.

24	Z 0	Z 0	3			0		water	nonstocked	N		not scheduled	0	

comnts Fmd : Au Gres River

25	E 9	E 1	34	86	15	110	60	swamp hardwoods	mature	Y		not scheduled	0	

Treatment Limiting Factors:
Too wet

comnts Fmd : The stand has lots of standing water but dries out closer to Alabaster Road. The soil through much of the stand is Linwood muck and is too wet for harvest.

102	E 9	E 2	74	85	16	120	72	swamp hardwoods	mature	Y		not scheduled	0	

Treatment Limiting Factors:
Blocked by other physical obstacle
Adjacent landowner denies access

comnts Fmd : This stand has many drainway in it and in these area the stand is heavy to cottonwood. Overall it is heavy to red maple but there is a component of aspen and ash. The aspen in the stand is very overmature and has very poor soundness because of significant rot. It could be harvested but access is a problem being blocked by the Au Gres River to the west; private land to the north and south; and very wet soils to the east. If harvested retain 80-90 BA of mixed species concentrating the removal on the middle size trees leaving the very large trees for furture cavity trees and course woody debris. Stand could also be harvested by making regeneration opening 2-60" per acre laying out skid trail and lightly thinning between opening. Natural regeneration should not be a problem and it should regenerate to a swamp hardwood stand. If natural regeneration does not occur the stand will still be a fully stocked stand and in 10 years cut again to try and get regeneration.

103	E 9	E 1	8	85	18	120	72	swamp hardwoods	mature	Y		not scheduled	0	

Treatment Limiting Factors:
Too wet
Adjacent landowner denies access

comnts Fmd : The stand is wet with the north half of the stand being on Bergland soils and the south half on Alluvial soils. It has a a large number of downed trees. It also has lots of standing water, so soil will be prone to rutting. Therefore, limit harvesting to dry/frozen contitions. Access is also a problem in this stand with private land to the north and south; the Au Gres River to the west; and wet soils blocking of the stand from the east. If it is harvested 90-100 BA should be retained to minimize the wind throw; or mark regeneration opening 2-60' opening per acre while lightly thinning between openings also lay out skid trails to connect them.

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acres	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
121	E 9	E 2	33	90	14	100	75	swamp hardwoods	mature	Y		10-19 years	0	

Treatment Limiting Factors:
Adjacent landowner denies access
Too wet

comnts Fmd : Stand has a lot of coarse woody debrie. Also it is fairly wet but looks like it will dry out in late summer. Access to the stand is difficult with private land to the north and south; the Au Gres River to the west; and very wet soils blocking the access from the east.

122	N 0	N 0	27			0		marsh	nonstocked	N		not scheduled	0	

comnts Fmd : This stand is intermittenly flooded by beavers. Currently the dam is out and the stand has converted to a wet medow or marsh type with a variety of shrubs along the edges. The shrubs in the stand are a mix of button bush, tag alder and michigan holly. The stand itself has a lot of raspberries shrubs in it so the water has been out for awhile. The overstory that was here is dead.

202	E 9	E 2	70	85	14	120	72	swamp hardwoods	mature	Y		not scheduled	0	

Treatment Limiting Factors:
Too wet
Road needed (resources not presently available)
Adjacent landowner denies access

comnts Fmd : Stand is wet with pockets of standing water. The trees in it are larger and could be harvested on dry/frozen ground. The access to the stand is difficult with private land to north and south; very wet blocking access from the east; and Au Gres River to the west. If harvested retain 80 BA or harvest making regeneration opening 2-60' opening per acre laying out skid trail and lightly thinning between openning. The soils in the stand are a mix of Roscommon and Maumee. Natural regeneration is expected and should be a mix of swamp hardwoods maybe heavy to ash. If the natural regeneration fails the stand will still be fully stocked.

303	E 9	E 1	14	85	12	70	50	swamp hardwoods	immature	Y		not scheduled	0	

Treatment Limiting Factors:
Too wet

comnts Fmd : The stand is on a wet Carbondale Muck soil but because of drainage this area is dryer than stand 3. Overall the stand is an E9/E1/L0 with the overstory having appears to be holding on but declining. The brush in the stand is heavy to tag alder with some dogwood and michigan holly. There is also area heavy to marsh type grasses and sedges.

400	G 0	G 0	3			0		grass	nonstocked	N		not scheduled	0	

comnts Fmd : Old road easment (Bomaster Rd) which is the main access into the compartment.

401	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	

comnts Fmd : This stand was part of a hay field that was being mowed by the private land owner to the west. This appears not to be occuring now.

402	G 0	G 0	22			0		grass	nonstocked	N		not scheduled	0	

comnts Fmd : This stand was part of a hay field that was being mowed by the private land owner to the west. This appears not to be occuring now except the very north edge of the stand. Letters have be written to the private land owner to the north.

Total Acres..... 1386