

* 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	Acrs	Age	avg. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	L 0	L 0	9		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Large portion of stand at SE end is beaver flooding with dead trees and scattered floating aquatic vegetation.														
2	A 5	M 2	27	33	6	40	50	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Early harvest candidate? Some wp in NE part of stand. Hydrology 5 of 10 (10 driest). Dry upland but lower. Low levels of Brack frn and sens fern.														
3	A 2	O 1	26	18	2	0	48	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : 30% red o and 20% red map. Clearcut '89. Rd thru stand just bermed, but saw motorcycle tracks. GC vac and brk fern. Hazel and juneberry present.														
4	E 5	E 2	18	81	9	50	57	swamp hardwoods	mature	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : Large portion not operable- too wet. Also BA too low to do selection harvest. Hydrology 4 of 10 (10 driest). Consider 4" spec CC in 10 or 20 yrs: Let understory fill in 1st.														
5	L 0	G 0	2		0	0	77	lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Also travel influence zone. Looks like WLD planting of rose or another cover spp adjacent to ponds.														
6	A 5	O 3	11	28	7	50	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Large portion (40%) of main portion of stand (in E Central part) and strip to S is E type. Good Red O understory: consider managing for oak in 20 years.														
7	A 5	M 2	10	33	5	60	52	aspen (upland)	immature	N		20-29 years	0	
8	N 0	N 0	50		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Few ac of tag ald NE corner, few ac vac/leather NW part of stand.														
9	P 6	E 2	8	81	9	90	57	swamp hardwoods	mature	Y	selection	within 0-9 years	3	natural regeneration
comnts Fmd : Site is low; was typed as E last YOE. Remove aspen during dry/frozen conditions. Portions of S end of stand may be inoperable (too wet). Leave all red oak and some aspen for retention (for pumps and seed source). Expect maple regen, good to fair aspen regen, and some red oak regen; maple component will increase somewhat. Any combination of aspen/maple is acceptable.														
10	A 2	O 1	19	18	3	0	53	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Highly variable topo and species mix. 65% upland. Red and blk O, B, and r maple well represented. Traces of W, R and T. Dense highbush vac understory. Several illegal blinds along edge of marsh to E.														
11	M 4	M 3	12	30	6	30	65	northern hardwood	immature	N		20-29 years	0	
comnts Fmd : Is A stand near road only. Varies from A to E. Treat pd of 2 b/c may be able to clearcut (apparently did 30 years ago). Grnd cov bracken and sensitive fern!														
12	T 2	V 0	7	8	1	0		tamarack	immature	N		not scheduled	0	

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					B	Tot. BA								
13	A 9	O 2	16	11	90	70	aspen (upland)	unevenaged	Y	selection	within 0-9 years	2	natural regeneration	
<p>comnts Fmd : Aspen removal, and mark other spp. To BA of 80. In mature R and W pine at S and E end of stand, mark pines for removal, retaining 30 BA. Stand mostly upland but has wet area S of road. Very diverse stand: white oak and tamarack present as well. Dense high bush vac grd cov. When marking, reserve all representative spp by BA for retention. Expect and desire diverse stand of aspen, pine, oak and tamarack; harvest should keep stand as A type but any combo of spp is acceptable.</p>														
14	E 6	E 2	14	95	11	90	57	swamp hardwoods	mature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : DIFFICULT ACCESS. A9 plot is on wide ridge at S end of stand, and is not completely representative of ridge. May want to look at when st 11 is cut again, but need long road against private for few acres of timber.</p>														
15	M 6	O 2	16	47	8	70	75	northern hardwood	mature	N	seed tree	within 0-9 years	2	natural regeneration
<p>comnts Fmd : Clear cut during dry/frozen, reserving all Red O and W pine, plus other representative spp, for retention, mast and visual along Estey Rd. N 1/2 of stand is lower and wetter (few ash, no sensitive fern). 17 ft of moderate quality Red O. Stand will come back as fairly evenly mixed aspen, M, or oak type; all 3 types are acceptable.</p>														
16	E 6	E 1	16	93	10	130	70	swamp hardwoods	mature	Y	selection	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Small portion of old stand was clearcut in about 2000. Cut portion is now part of stand 217. Portions of remainder are still operable. Remove aspen and mark other spp to resid BA of 90. Harvest dry/frozen. Paint out cedar/hemlock drainage in S Central portion of stand for retention. Leave other representative spp by BA for retention. Expect stand to remain E6: cutting will preserve aspen component in stand. Should get mostly maple and some aspen/ash regen. Any combination is acceptable; stand will remain E type regardless..</p>														
17	J 6	R 1	5	27	6	100	60	jack pine	immature	N		20-29 years	0	
<p>comnts Fmd : Incorrectly typed as R last YOE. Poor form.</p>														
18	E 4	L 0	5	62	7	30	58	swamp hardwoods	sparse	N		20-29 years	0	
<p>comnts Fmd : Red Map, Ash and Swamp W Oak.</p>														
19	E 9	E 1	15		12	100	64	swamp hardwoods	two aged	N		10-19 years	0	
<p>comnts Fmd : '07 comments: Lot of hornbeam in understory, then ash. Sparse understory and regen. Wetter, less regen/understory than Stand 119, which was also in same 2000 sale. Check next YOE, selection cut again if adequate volume. '97 Comments: REMOVE ASPEN AND CREATE REGENERATION OPENINGS. CHANGED AT COMPARTMENT REVIEW TO REMOVE ASPEN AND PAPER BIRCH ONLY.ASPEN AND SOME RED MAPLE REMOVED IN 2000</p>														
20	E 6	O 2	11	72	9	80	64	swamp hardwoods	mature	N		10-19 years	0	
<p>comnts Fmd : E w/ wht and red O component (small). BA too low to harvest: next yoe selection/aspen removal, opening regen gaps around the few r oak. 7 for wetness (10 dryest).</p>														
21	E 5	L 0	19	59	7	60	75	swamp hardwoods	immature	N		10-19 years	0	
<p>comnts Fmd : E5 bc of L/N gaps in stand. Portion of N end of st is higher and operable. Willow/alder shrub layer. R oak, B, r maple, ash saps present. Uneven aged stand; coded as immature to keep YOO. Grnd cov is sens and other ferns.</p>														
22	E 9	E 2	17	81	12	90	60	swamp hardwoods	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : BUFFER STRIP ALONG CREEK</p>														

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					D	Tot. BA								
23	E 9	E 2	15	58	13	70	60	swamp hardwoods	two aged	N		20-29 years	0	
comnts Fmd : 20 BA average quality r oak. RO also in understory. WO also in stand. BA range 50 to 100.														
24	A 8	U 0	23	49	10	60	60	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Decadent stand with very little regen and dense upland brush. Final harvest aspen during dormant season (non-negotiable). Retain all oak, r and w pine plus other representative spp for retention by BA or area. Retention will preserve mast and help with visual along Jones Rd. If regen inadequate, interplant w/ red pine. Illegal ORV trails in stand.														
25	E 6	E 2	19		10	80	61	swamp hardwoods	unevenaged	N		20-29 years	0	
comnts Fmd : Heavy dead/down in NW part of stand. S portion wet, NW portion probably harvestable in fall.														
26	E 4	E 3	23	27	5	20	64	swamp hardwoods	immature	N		50-59 years	0	
comnts Fmd : Heavier to A on high areas. Stand regenerated very well. Birch also present. Dry oak ridge along N edge of stand into S 136 w/ trail along it.														
27	V 0	V 0	4		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : Decadent aspen. Stand 126 is same soil and came back well in '80 (although aspen is much older in this stand now).														
29	A 5	M 3	51	25	7	60	75	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Consider for early harvest to even out aspen age dist in comp. In '19. Stand size is exact acreage needed to cut. Wet soil for aspen (hummocky- 80% dry in mosaic). But regenerated very well in 85% of stand, although NW portion of stand is now E2 with L understory.														
30	E 9	E 2	76		10	130	64	swamp hardwoods	unevenaged	Y	selection	within 0-9 years	1	
comnts Fmd : Selection cut in dryer portions of stand. Mark all spp except oak and elm to target BA of 80. Retain red and white oak and elm, as well as all representative spp for retention by BA. Favor aspen removal over other spp when possible, but mark stand to uniform density, with priority on making stand operable for equipment. Harvest dry/frozen or use rutting spec. Clearcut long strip at SE end of stand along Fornier rd, which is dryer. 90% "upland". Aspen BA 60, range 10-130. Road between Stands 68 and 167 under water: water flowing between these 2 L types. W oak and Elm present. Expect stand to remain a diverse E type; harvest will preserve aspen component in stand. Any level of aspen regen is acceptable.														
31	T 4	T 1	6	77	7	40	49	tamarack	immature	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : Tamarack w/ shrub/leatherleaf understory. W pine, r maple, aspen present. Supercanopy of tam, aspen, maple from 1930. Treat. Pd 3 b/c most of stand is pole/sap (YOO is from supercanopy).														
32	L 0	E 1	11	18	0	0	51	swamp hardwoods	sparse	N		50-59 years	0	
comnts Fmd : Succeeding to W/E.														
34	A 3	A 1	16	17	3	0	53	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Stand expanded this YOY. Includes portion of old stand 35 at E end. This portion has 10 ba of oak and trace of r maple. Far E end near mixing area very sparse. Ridge in W central area sparse, barely A1 (3 ac). Small portions are A4.														
35	O 5	X 0	25	27	8	40	53	oak	immature	N		50-59 years	0	
comnts Fmd : Could plant ridges at S and NE ends of stand w/ red pine (rubicon soil). Upland. Red maple, red oak and white oak present.														

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					D	Tot. BA								
36	A 3	A 3	17	17	3	0	58	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Pin O, R maple, b component (<10%). Oil well, pipeline running WNW from well. Adgacent to Whitney B rd and improved gravel rd to S.														
37	A 4	A 2	16	27	4	10	55	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Transitioning from A3 to A4. West central and SE portions of stand are E1.														
38	E 6	E 2	23		9	70	55	swamp hardwoods	unevenaged	N		not scheduled	0	
comnts Fmd : Not enough aspen to warrant entry into stand now, which would damage regen and risk rutting. 25-30% is upland. Illegal wood cutting in stand at SW end near private cabin. Lot of false cedar ground cover.														
39	R 6	X 0	2	48	8	180	61	aspen (upland)	immature	Y	shelterwood-seed	within 0-9 years	2	natural regeneration
comnts Fmd : Remove every 2nd and 3rd rows as shelterwood to convert stand to pine/hardwood mix, per Unit Mgr at pre-review. Ave to low quality trees and small size make stand uneconomical to manage for pine. 3rd row thinned in 02, but needs thinning again. Almost pure stand; leave any hardwoods or other pine spp for retention.														
40	A 3	A 3	11	17	3	0	75	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Clearcut '90 Guernsey Crk Block sale. Excellent Aspen regen. Trace of O1 and RM1. Should be pole stand next YOE. No pts taken.														
41	A 2	A 2	3	17	4	0	65	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd :														
42	R 6	X 0	5	48	8	190	61	aspen (upland)	immature	Y	shelterwood-seed	within 0-9 years	1	natural regeneration
comnts Fmd : Remove 2 of every 3 rows as shelterwood to convert to pine/hardwood mix, per Unit Mgr at pre-review. Stand is moderate quality and SI and small, thus uneconomical to manage as red pine. Stand has excellent access. Was thinned 2002 (cut 2 rows, leave 5), and already needs thinning again. Skid trails are 14 ft wide. Almost pure stand: leave any hardwoods or other pine spp for retention.														
43	A 3	M 1	17	17	2	0	77	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : very light ground cover, mostly leaf litter.														
44	A 9	M 3	16	85	11	90	75	aspen (upland)	two aged	Y	final harvest	within 0-9 years	2	
comnts Fmd : Operable (75% upland). A lot of stand harvestable w/ dry frozen spec. 2" spec on aspen/birch and ash (ash for pre-salvage). For all other spp except ash cut all trees that will yield a pulp stick. Reserve 1 large oak per acre for mast/seed source and retention. Mark all other representative spp except ash for retention by area. South boundary of stand has been incorrectly posted by adjacent landowner. Line is correct at W end but veers north as it runs E. Expect aspen/maple mix with some oak. Any combination of Aspen/Maple acceptable.														
45	M 6	M 3	12		10	90	70	northern hardwood	immature	N		10-19 years	0	
comnts Fmd : Split from Stand 45 due to new mapping rules since last YOE. Y of Origin 1952. Borderline 6/9 and A/M. Upland but wet areas. W pine and spruce/fir in understory. Aspen removal/selection in 10 yers. NW portion decadent E type. Influence zone also 3.														
46	A 9	M 3	4	85	11	80	70	northern hardwood	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Too steep														
comnts Fmd : Leave as buffer for second lake and travel buffer for Whitney Beach Rd. Aspen very decadent.														
47	E 2	L 0	25	27	2	0	60	swamp hardwoods	immature	N		70-79 years	0	
comnts Fmd : Stand failed to regen to aspen. Small pockets of aspen in stand. B1/L understory. Red maple, bl oak, marsh grass, bracken fern also present.														

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					B	Tot. BA								
48	A 3	O 2	47	17	2	0	73	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : W end lower and wetter: L understory there. May be able to manage for oak in future by leaving oak when clearcut. Illegal ORV trails and possible illegal blinds, but not severe. Scattered r pine at far N end in former st 49, which was combined w/ this stand.														
50	E 6	M 1	22	69	9	110	75	swamp hardwoods	two aged	N		10-19 years	0	
comnts Fmd : Few old aspen not worth removing. Large portion of stand could be selection harvested when trees are mature. Stand is uneven aged or 2 storied.														
51	R 6	X 0	21	47	8	130	62	red pine	immature	N		10-19 years	0	
comnts Fmd : Hold 10 years. 3rd row thinned 2002. Almost no sawlogs. A little limby, especially in narrow parts of stand. Live crown 30-50%. Crowns generally have room to grow. O1 understory in narrow areas (15% of stand).														
52	O 6	O 2	28		10	90	55	oak	unevenaged	N		10-19 years	0	
comnts Fmd : Manage for oak, natural red and white pine. Inadequate regen to remove overstory. Very diverse mostly upland stand. Oak, red and white pine, red maple regen. Uneven aged. Volunteer red pine and natural white pine log, pole and seedlings present. UNEVEN AGED IN PATCHES. STAND IS NOT UNIFORMLY AGED ('97 comment).														
53	L 0	N 0	6		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Cover marsh grass, willow and tag alder.														
54	O 5	O 3	12	33	8	60	63	oak	two aged	N		50-59 years	0	
comnts Fmd : 2 storied stand: very large overstory r and w oak, many are too branchy for sawlogs. Oak understory succesfully established and just becoming pole sized. Could remove supercanopy but would damage new stand. Northwest portion of this stand broken off; current stand just runs along ridge with road through it.														
55	L 0	L 0	4		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Cover marsh grass, willow and tag alder.														
56	A 2	O 1	26	17	3	0	75	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : Cover marsh grass, willow and tag alder.														
57	E 4	E 1	7	67	9	40	60	swamp hardwoods	immature	N		not scheduled	0	
comnts Fmd : E9 @ S and W end. Wet but dryer (brack fern) @ N end. Lot of snags. Elm present and sparse WP seedlings @ N end. GC tag alder and marsh grass.														
58	O 1	L 0	12	27	3	10	46	jack pine	sparse	N		within 0-9 years	0	planting
comnts Fmd : Plant to Jack pine except western end near red pine. Habitat clearcut '80- failed regen, almost no A in stand. O and Red M slowly seeding in. Ground cover Bracken fern N and S ends (CG soil assn), blueberry center (II soil assn), more E type W end. TMS should evaluate.														
59	O 4	L 0	34	48	6	30	50	oak	sparse	N		not scheduled	0	
comnts Fmd : Wet stand w/ tag alder, but there are dryer areas w/ bracken fern, areas w/ more oak and w/ more aspen. Stand would be operable in late summer. Oak and red maple is seeding in. Aspen too decadent to regen, and regen failed last time. Let it seed in to assure a fully stocked forest stand.														
60	E 6	L 0	6	78	7	80	60	swamp hardwoods	two aged	Y		20-29 years	0	
Treatment Limiting Factors: Too wet														

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					D B	Tot. BA								
61	R 6	X 0	4	47	8	150	60	aspen (upland)	immature	N	shelterwood-seed	within 0-9 years	2	natural regeneration
comnts Fmd : Remove every 2nd and 3rd row as shelterwood to convert to pine/hardwood stand, per Unit Mgr at pre-review. Harvest adjacent stand 11, comp 79 out of YOE with this stand. Stand is too small and wood quality too low to warrant managing as pine. 3rd row thinned in 2002 but needs to be thinned again. Live crown 35-40%. Crowns not severely crowded. Very few sawlogs. Gets sparser, smaller and more variable diameters and more understory at N end of stand. Formerly same stand as 161. Leave non red pine spp by BA for retention.														
62	O 4	O 1	6		5	30	45	oak	sparse	N		not scheduled	0	
comnts Fmd : Sparse stand w/ oak, tamarack, red pine, red maple seeding in. Low SI and wet but possibly manageable.														
63	E 5	O 1	9	79	8	50	60	swamp hardwoods	sparse	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Stand would become mostly L type if cut now (would be similar to failed cut in stand 58).														
64	E 6	E 1	10		9	100	65	swamp hardwoods	unevenaged	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : Too wet. Reserve as buffer for Guernsey Cr.														
65	L 0	L 0	2		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : L w/ very sparse, decadent aspen (10 BA). Not succeeding to forest.														
66	A 6	M 2	11	27	5	90	78	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Upland site w/ scattered low areas. RM 15%, O 5%.														
67	L 0	L 0	7		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Alder and willow.														
68	L 0	L 0	4		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Little dryer than s 67 and 167, w/ few trees seeding in.														
76	Z 0	Z 0	6		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Wixom Lake														
77	Z 0	Z 0	2		0	0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Wixom Lake.														
108	N 0	N 0	14		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Pure cattails.														
110	A 2	M 2	8	18	3	0	53	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Isolated by beaver flooding to west.														

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112	L 0	N 0	4		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Varies from N to emerging E.														
114	E 4	L 0	7	95	4	30	48	swamp hardwoods	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : Broken out of St 14. L/E2 understory. Canopy 65% ash, 35% rm. SI estimated from St 14. Gc sedge, grass, forbs, sens fern, seedlings, iris.														
116	A 3	A 3	23	18	3	0	70	aspen (upland)	immature	N		30-39 years	0	
117	N 0	N 0	4			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : o, b, ash coming in.														
118	A 4	O 1	6	30	5	30	63	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Aspen, cherry, oak and some rm present. High ground running E-W, separating pine stand from E type to N, with swale running along S edge of stand w/ large aspen and lowld hdwds. SI and YOO estimated.														
119	E 6	E 2	15		9	100	60	swamp hardwoods	unevenaged	N		20-29 years	0	
comnts Fmd : Selection harvested plus aspen removal 2000 along w/ stand 19. Sparse understory and regen, but more than stand 19. Dryer than stand 19.														
122	E 8	E 2	7	81	13	60	60	swamp hardwoods	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : Buffer for Denton Cr. Former S 22. Riparian corridor.														
123	A 6	O 1	3	58	7	70	60	oak	immature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Influence zones Scenic values/visual values														
comnts Fmd : Formerly in Stand 24 and 28. 2 ac aspen/oak pole, N 1 ac E type w/ trace of cedar. Leave as buffer for Whitney beach rd. Expect s portion of stand to eventually succeed to O or M.														
124	O 6	O 1	9	49	8	70	62	oak	mature	N	shelterwood-seed	within 0-9 years	2	
comnts Fmd : 30 ft of ave. qual red O. Aspen is rotation age. Remove aspen/maple and retain all oak (final harvest w/ reserves). Mark all representative spp by BA for retention. Use regen protection spec and oak wilt spec. Stand is a little sparse now; cut aspen while vigorous. Should get good aspen/maple regen, and increase red oak component. Any combination of aspen, maple or oak regen acceptable. Formerly part of stand 24; broken off due to new mapping rules. Severe trash dumping in stand (old).														
126	E 4	M 3	8	27	5	10	64	swamp hardwoods	immature	N		30-39 years	0	
comnts Fmd : Diverse stand: Ranges from A4 to E3 to M. Oak, B, A, lot of red M. 60% upland. Came back well after cutting. G cover tag alder, shrubs, brack fern.														
129	L 0	N 0	7			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Portion is part of denton creek flood plain. Willow present w/ alder.														
135	A 4	M 2	13	27	4	20	53	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Wet and hummocky in places. Moderate quality stand.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
136	E 5	M 3	16	10	60	60	swamp hardwoods	unevenaged	N		20-29 years	0		
comnts Fmd : Stand age about 78 years. Understory has large oak component. BA too low to thin. Manage for pole sized maple. Not enough aspen vol to warrant damaging well developed understory for aspen removal. 85% upland- stand is operable. E end is 2-3 ac ash swamp. Lot of false cedar ground cov, and moderate to light shrubs.														
137	L 0	L 0	2			0	lowland brush	nonstocked	N		not scheduled	0		
comnts Fmd : Sparse young alder coming in. Cedar posts described in corner records not found. Found ft high metal bar with guy wires and colored 3 ft extension on top, with 2 rectangular 6" high stakes w/ deteriorating caps. Probably placed by landowner. Line running west from here is questionable, with many illegal land uses on DNR land (see stand 138 notes).														
138	R 6	X 0	2	48	8	160	56	red pine	immature	N	10-19 years	0		
comnts Fmd : Too small to thin, or would 3rd row thin plus selection. Seed tree harvest in 2017. Age and SI estimated. Boundary in question; did not find 2 monuments indicated in corner records- may have been removed by landowner. Appears to be illegal wood cutting and 3 illegal blinds in this stand and stand 37 and 38. One blind is directly N and adjacent to this stand. 40 - 50 trees were felled to clear view for hunting blind.														
140	A 3	A 3	14	17	3	0	75	aspen (upland)	immature	N	30-39 years	0		
comnts Fmd : Old stand 40. Clearcut '90 Guernsey Crk Block sale. Excellent Aspen regen. Trace of O1 and RM1. Should be pole stand next YOE. No pts taken.														
145	M 6	M 3	4		10	90	70	northern hardwood	immature	N	10-19 years	0		
comnts Fmd : Y of Origin 1952. Borderline 6/9 and A/M. Upland but wet areas. W pine and spruce/fir in understory. Aspen removal/selection in 10 years. NW portion decadent E type.														
151	R 6	X 0	2	47	8	130	62	red pine	immature	N	10-19 years	0		
comnts Fmd : 3rd row thinned 2002. Almost no sawlogs. A little limby, especially in narrow parts of stand. Live crown 30-50%. Crowns generally have room to grow. Hold 10 yrs. O1 understory in narrow areas (15% of stand).														
153	A 2	O 1	6	17	2	0	66	aspen (upland)	immature	N	30-39 years	0		
comnts Fmd : Upland. Broken off from stand 48. Sparser than 48. Fair bit of oak (10-20%).														
154	J 6	M 1	7	40	7	150	65	jack pine	immature	N	20-29 years	0		
comnts Fmd : Hummocky: mostly wet. Ground cover tall mesic shrubs and leatherleaf.														
155	O 4	E 2	22	30		20	55	oak	immature	N	50-59 years	0		
comnts Fmd : Stand consists of upland areas that are O5 w/ red maple, some white oak. Low areas are E1 or E2 with birch, tag alder, swamp white oak, red maple.														
156	A 9	E 2	42	79	12	90	75	aspen (upland)	mature	Y	not scheduled	0		
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : BUFFER STRIP ALONG CREEK														
157	E 1	E 1	15	1	0	0	64	swamp hardwoods	in process of regeneration	N	within 0-9 years	0	natural regeneration	
comnts Fmd : SI from previous OI for S57. Survey in 2010 for regen success per regen timeclock. Expect to regen to an E2 or E3. Clearcut '06. Part of stand in C79, Guernsey Aspen Pockets sale. GC marsh grass, sensitive fern, seedlings. 10-20% windthrow in resid pole sized oak.														
159	J 5	J 2	6	45	6	50	41	jack pine	immature	N	20-29 years	0		
comnts Fmd : 65% upland, 35% leatherleaf understory. Red maple saplings, a few mature red pine, aspen and oak present.														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B	Tot. BA								
161	R 6	X 0	5	47	8	150	60	aspen (upland)	immature	N	shelterwood-seed	within 0-9 years	3	natural regeneration
comnts Fmd : Remove every 2nd and 3rd row as shelterwood to convert to hardwood/pine, per Unit Mgr at pre-review. 3rd row thinned in 2002 but needs thinning again. Formerly part of St 61: Same Rx. Very few sawlogs. Leave hardwood spp by BA for retention.														
162	E 4	E 1	9	35	5	20	35	swamp hardwoods	sparse	N		60-69 years	0	
comnts Fmd : Sparse E type converting from L.														
163	A 7	M 2	8	79		30	60	northern hardwood	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Water quality/bmps														
comnts Fmd : Upland site. Leave as buffer for wixom lake. High travel influence also. A9 in places. Could do aspen removal in northernmost few acres.														
164	M 6	M 3	13		10	110	65	northern hardwood	unevenaged	N	selection	within 0-9 years	2	
comnts Fmd : New stand split off from s 64. 64 a true E along Guernsey Crk. Remove aspen and mark additional trees where dense to a BA of 75. Concentrate on maple removal when marking. Should be easy to move around in. Upland but a little wet and hummocky: lot of bracken fern in stand. South portion formerly included in S 65 and is sparser. Aspen BA 20 to 50. ASPEN GETTING DECADENT. Retention: Leave all representative spp when marking (by BA).														
166	A 5	E 2	5	27	7	60	78	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : SI from Old OI. Good maple understory. Could manage for M.														
167	L 0	L 0	14		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Tag Ald and willow.														
210	A 3	M 1	15	18	3	0		aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Lg beaver dam across SE end of stand. Dam created stand 70. Trace of T, B, M, W and w oak. Alder and hazel shrub layer. Grnd cov vac, plus royal fern in drainages.														
216	A 3	A 3	20	18	3	0	70	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : A4 in places (N and SE edges)														
217	O 1	B 1	9	7	2	0	70	oak	immature	N		70-79 years	0	
comnts Fmd : W end higher with more grass, heavier to B/A. E end (N of rd) was cut 2000. This area has taller, denser shrubs and is wetter.														
218	E 9	E 2	5		13	70	70	swamp hardwoods	unevenaged	N		10-19 years	0	
comnts Fmd : Northern uncut portion of former stand 316.														
223	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : E end of N portion of stand is a pond (seasonal?)														
235	E 1	L 0	6	20	1	0	55	swamp hardwoods	immature	N		70-79 years	0	
comnts Fmd : sparse r maple, birch w/ tag alder														
241	L 0	L 0	1			0		lowland brush	nonstocked	N		not scheduled	0	

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D B H	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
253	R 6	R 1	13	60	9	70	40	red pine	immature	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Inferior quality</p> <p>comnts Fmd : 70% lowland, would be operable late summer. Natural red pine seeding from stand 51. Very diverse, w/ tamarack, w pine, o, r maple and w spruce. Very poor qual limby pine. R pine seedling/saps still coming in.</p>														
254	O 4	O 1	5		10	30	63	oak	unevenaged	N		80+ years	0	
<p>comnts Fmd : Interplant w/ red or jack pine upon approval of TMS. W pine, P oak present.</p>														
256	M 9	O 1	30		13	90	75	northern hardwood	unevenaged	N	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Final harvest, reserving 10% by BA of red oak and a few red pine, plus all other representative spp. Upland. A few draws dissect stand. Access from stand 51 and N end of stand: will have to have a N and S landing. Culvert may be required for stream crossing at S end. Will have maple, oak, aspen regen.</p>														
259	M 6	M 2	8		9	110	47	northern hardwood	unevenaged	N		20-29 years	0	
<p>comnts Fmd : Is M6, not M9 (rounding problem). Upland stand. SI barely classifies as commercial stand. DO NOT CLEARCUT, or will end up like Stand 59. Wetter upland stand. Oak in overstory and understory. Aspen older, more decadent than S 66. Selection harvest in 20 years when stand 40 is clearcut.</p>														
264	B 6	M 1	4		10	70	77	swamp hardwoods	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Water quality/bmps</p> <p>comnts Fmd : Reserve as buffer for second lake. Very diverse: r maple, w oak, w pine, pin o also present. Beaver active. Currently B but will succeed to E or O.</p>														
316	E 4	E 1	7		9	40	70	swamp hardwoods	two aged	N		20-29 years	0	
<p>comnts Fmd : Aspen removal and selection harvested 2000 (most of stand except N end). No blowdown. Heavy shrub understory in sparser areas, sparse regen. Original YOO 1914. About 5 BA ea of Ash, R oak. Dense ground cover of sens fern, brack frn, raspberry, forbs.</p>														
317	E 1	U 2	4	7	3	0	70	swamp hardwoods	sparse	N		70-79 years	0	
<p>comnts Fmd : Very sparse after cut. Lot of rose and other shrubs coming in.</p>														
318	E 9	E 2	4	93	13	100	70	swamp hardwoods	unevenaged	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : Wait for BA to increase before thinning (inadequate vol. For harvest currently), if operable (wet). This stand is Southern, uncut portion of old st 316 that was cut in 2000. This stand was probably too wet.</p>														
335	E 5	E 2	7		9	50		swamp hardwoods	immature	N		not scheduled	0	
<p>comnts Fmd :</p>														
336	E 4	E 3	13	22	5	20	58	swamp hardwoods	immature	N		60-69 years	0	
<p>comnts Fmd : Southern 1/3 of stand is operable M5. Oak present in this portion.</p>														
341	L 0	L 0	3			0		lowland brush	nonstocked	N		not scheduled	0	
354	L 0	L 0	5			0		swamp hardwoods	sparse	N		not scheduled	0	
<p>comnts Fmd : Seeding in w/ maple, o, birch and w pine.</p>														

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Stand	Cover Type-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
400	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Needs treatment to stay grass: oak seeding in.														
401	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
403	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Was landing for adjacent R pine thinning: heavy slash in 30% of stand.														
405	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Nice grass "meadow" with either composites or knapweed.														
406	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Grass. ORV/truck mixing area at E end of stand. Road through area recently bermed. Citizen said Billings Twshp BOARD was planning snowmobiling area in this portion of comp.														
407	G 0	G 0	5			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Grass (20%) w/ brack frn (60%) and raspb (20%). Knapweed along road.														
408	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	

Total Acres..... 1540