

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	O 9	O 1	37	81	11	70	60	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : Hold for age class diversity: rest of this 360 ac parcel is cut over. 55% upland. Bisected by road drainage running E-West. Plots on upland only. Access will be difficult: via road from W or E edge: will have to cross drain to get to ridge at N end. '99 Comments: Aspen is overmature. Sparse, wet areas throughout the stand. Mostly swamp white oak. Seasonally flooded. Do not treat, too wet to manage.</p> <p>Wld : comments from site visit 8-19-99: there is a large wetland area north of the trail that ends in stand 3 and I believe I heard a Red-tailed hawk, but I never got a visual. The wet area is full of rushes and small scrubby oaks (<1 ft tall). The area is ideal for reptiles and amphibians due to its shallow nature. Another wet area in the stand is ovate in shape and has standing water with multiple standing snags - 3-4 acres in size. This area is full of buttonbush, sedges, smartweed and grasses along the edge. I also saw cardinal flower growing here. This stand has some potential for RTH use considering the surrounding cover types. Due to the low priority placed on treatment of this area by forestry, I recommend this stand be removed from proposed treatment for now and a closer assessment of this area be made by wildlife bureau for wildlife concerns. SMB</p>														
2	E 2	A 2	70	27	3	0	46	swamp hardwoods	immature	N		20-29 years	0	
<p>comnts Fmd : HABITAT CUT IN 1982. 1/3 upland aspen over bracken. 2/3 is swamp hardwoods over winterberry and alder, and is inoperably wet. 1999 Comments: Poor regeneration. Sparse, patchy A2. Patches of dense tag alder. Some oak residual.</p> <p>Wld : comments from site visit 8-19-99: It appears the habitat cut was not a success since the area is very open and sparse in vegetation. Rutting of area points to a harvest during wetter than idea conditions for regeneration of the stand and may have compacted the ground. A few areas have some aspen clumps, but most of area is scrubby and sparse. Blackberries were abundant. SMB.</p>														
3	A 2	L 0	51	23	3	0	55	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Except for about 5 ac, upland areas are now A3. About 1/3 E1/L with swamp w oak, maple, trace of ash, tall alder, mainly at SE & NW. No need to plant. Bracken on uplands. 1999 Comments: FORMER TSALE COMPLETED IN 1986- A sparse, patchy A2. Heavy browse and poor reproduction. No treatment done last YOE. Still needs treatment. Plant high ground to a mix of white and jack pine. Wildlife Division will plant low ground to shrubs. Do not burn.</p> <p>Wld : comments from site visit 8-18-99: very poor regeneration of aspen and maple. Blackberries are abundant and some blueberry and strawberry plants on southern portion of stand. Good amounts of exposed sand for bird dusting and found turkey feathers and grouse tracks at some of these areas. The SW tail ends at a private gate and the landowner mows to the gate and slightly onto public land. On either side of the gate extends a barbwire fence with "no trespass" signs - very clearly marked boundary. Prescription calls for pine planting, but will need to discuss this with BW to fine tune this plan, but I agree some treatment is needed in this area. In the northern portion of the stand chickadees were abundant and a pair of kingbirds were diligently protecting their young nestlings from my visit. The northern portion of the stand has plentiful strawberry, but otherwise the ground cover is composed of wetland/acidic type plants. SMB Comments from site visit 9-19-99 with BW: instead of pine plantings, we discussed some hawthorn plantings or other fruit tree plantings for wildlife in the openings. On the west half of the stand - midway between N-S - we will recommend a 5 acre white pine planting to provide a winter cover area on site. SMB</p>														
4	E 9	E 1	9	69	14	110	80	aspen (upland)	mature	N	final harvest	within 0-9 years	1	
<p>comnts Fmd : Clearcut to pre-salvage 54 BA of nice green ash. Will get good oak and aspen regen. Mark 3 red or other oak per acre with green paint for retention. Use dry/frozen and dormant spec, non-negotiable. '99 Comment: Moderately wet mix of oak and lowland hardwoods. Insufficient basal area present at this time.</p> <p>Wld : comments from site visit 8-19-99: access to stand from private lane- walked in. Lowland oaks mixed with ash. Young frogs were very abundant along trail. SMB</p>														
5	E 1	L 0	3	45	1	0	50	swamp hardwoods	sparse	N		30-39 years	0	
<p>comnts Fmd : Scattered oak and maple poles <10 BA, maple, oak and aspen saps, blueberry, dogwood, moss ground cover. Wet. Was typed L in '99.</p> <p>Wld : Site visit on 12-21-99: very brushy bog. SMB</p>														

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					B H	Tot. BA								
7	O7	G0	12	16	13	30	50	oak	in process of regeneration	N	final harvest	within 0-9 years	2	
<p>comnts Fmd : TS 34-91-01, cut in 1993. NW 2/3 of old stand 7 upland that has very little regen. Harvest rest of oak. Green mark 1 oak per acre for mast. Plant pine in 2019 if regen inadequate. Any mix of pine and oak is acceptable. 1999 comments: Poor to moderate aspen reproduction, except for good reproduction on higher ground in the southeast portion of the stand.</p> <p>Wld : no comments from site visit 8-18-99. SMB</p>														
8	P4	P2	42	25	5	30	58	balsam poplar & swamp aspen and swamp white birch	immature	N		20-29 years	0	
<p>comnts Fmd : COMMERCIALY CUT IN 1984- TS # 34-82. Regenerated well in upland and lowland areas: 70% lowland. Better growth in lowland areas. Combined with former stand 6, cut at same time. Dense regen shaded shrubs and "stayed ahead of" deer browse. 7 BA of pin oak and red maple also. Former stand 403 succeeded to goldenrod and isnt worth mapping. Berms on road into this stand are worn but holding.</p> <p>Wld : no comments from site visit 8-18-99. SMB</p>														
9	O8	O2	40	16	15	40	55	oak	mature	N	final harvest	within 0-9 years	2	
<p>comnts Fmd : Oak regen has progressed in 10 years. Remove overstory oak. Should release current oak and aspen regen (currently fair), and add 40 BA of stump sprouts. Use regen spec and be careful with aspen regen, also rutting caution; there is some wet areas. Green mark 1 oak/ac for mast; focus on marking trees surrounded by aspen regen. New stand expected to regenerate successfully; pine could be planted if regen fails; any combination of pine and oak acceptable. 1999 comments: ASPEN & DEAD OAK CUT. LIVE OAK LEFT. TS 34-91-01, cut in 1993. Poor to moderate aspen reproduction. Heavy ground cover and some deer browse. Limited oak regeneration.</p> <p>Wld : comments from site visit 8-18-99: Large oaks provide nice diversity in area for wildlife. Blackberry bushes are plentiful with good fruit production, but slightly past prime. SMB</p>														
10	O8	M1	73	87	12	50	56	oak	in process of regeneration	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)</p> <p>comnts Fmd : Shelterwood harvested 2004, Carroll crk oak #15-'01. Was variable stand, about 80% upland. Decent aspen regen at west end in places (about 10 ft tall), maple/ash saps released in some wet areas. Shrubs competing with oak seedlings, so few viable oak saps yet. May have to clearcut and interplant in 2019. '99 comments: Shelterwood harvest for oak. Also overstory removal in areas with dense oak and maple saplings to be released. Remove aspen and thin oak and maple where necessary. This stand varies in species composition, size and density. Leave a buffer along the drainage on the west side of the stand. Leave more trees in lower areas.</p> <p>Wld : comments from 8-18-99 site visit: The NW trail thru the compartment had evidence of horse traffic use. A localized wind event (south of the NW trail) dropped some over mature aspen providing some good downed course woody debris, and the surrounding area has some good standing snags that songbirds were using. The NW trail crosses a drainage that runs N-S and should be protected during harvest activities. Deer browse and traffic were med-heavy. SMB</p>														
12	V0	V0	3		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Birch (<5%) on edges.</p>														
13	O3	A2	10	16	3	0	53	oak	immature	N		30-39 years	0	
<p>comnts Fmd : Dry aspen/oak ridge and adjacent oak/ash aspen lowland. Bermed 500 ft west of stand: holding. Clearcut in 1993. TS# 33-'91. Ground cov bracken on ridge, swamp grass in lowland.</p>														
14	E9	E1	17	87	11	130	80	swamp hardwoods	mature	Y	shelterwood-prep	within 0-9 years	2	
<p>comnts Fmd : Much of stand is operable, wet area broken out (stand 114). Harvest dry/frozen, dormant NON-NEGOTIABLE. Aspen and ash removal (ash pre-salvage). Mark additional trees with orange paint for operability. Private line posted 300 ft N of line on state.</p>														

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					B H	Tot. BA								
15	B2	E2	5	15	1	0	60	paper birch	immature	N		30-39 years	0	
<p>comnts Fmd : Clearcut in1994. B 29%, M 28%, O 23%, A 20%. Lowland 63%. Ground cover V, moss, shrubs.</p> <p>Wld : comments from site visit 8-19-99: stand has huge ruts from previous harvest activities. Site conditions were dry due to drought, but abundant water had been over area previously in the year by vegetation signs. A few oaks are regenerating with a few aspen, but mostly very sparse mixed with wetland vegetation. Signs of heavy deer browse. SMB</p>														
16	A2	O2	30	15	2	0	65	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : TS 35-91-01, Clearcut in 1994. Very good regen (A3/O1) in East 1/2 to 2/3. West 1/3 to 1/2 is M2/O2/L. This stand probably indicator of what stand 32 would do if clearcut, only 32 may have little less aspen and less L type. '99 comments: Heavy rutting from harvest activities. Patchy aspen/maple reproduction.</p>														
17	O8	M2	13	84	14	60	70	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)</p> <p>comnts Fmd : Good quality pin and white oak, upland site adjacent to Carroll Creek. Shelterwood - remove aspen and maple, thin large oak where necessary for 50% crown cover. Stay out of the floodplain. Leave snags for wildlife. Stand shelterwood cut in 2005(carrol creek oak)</p> <p>Wld : comments from site visit 8-19-99: Sign of heavy deer browse pressure. I agree with the current prescription. Carrol creek was dry except for some very small shallow pockets of water. Low areas along the creek had an abundance of toads, tree frogs and other frogs jumping everywhere. A big "wolf tree" along the bank showed signs of bat use. The stand has a good quantity of standing snags and potential den trees for wildlife. Any timber harvest in this area should take these trees in consideration and as many as feasible should remain undisturbed. SMB</p>														
18	O5	O2	75	66	10	60	70	oak	immature	N		10-19 years	0	
<p>comnts Fmd : LOWLAND OAK STAND= SWAMP WHITE OAK & MARSH GRASS. TS 22-92-01, Patch cuts, started cutting in 1992, completed in 1997. Patch cuts have regenerated well since 1999. Give stand 10 years for "greenup", then consider additional patch cuts (dry/frozen/dormant).</p> <p>Wld : comments from site visit 8-19-99: patch cuts in wet areas are obviously not a good idea. The cut area is marsh grass, ironweed and brush piles mixed with cattails and willows. Very little oak regeneration and most of this is along the drier edges. SMB</p>														
19	M6	L0	5	72	7	80	65	northern hardwood	two aged	N		not scheduled	0	
<p>comnts Fmd : Borderline lowland/upland. YOO 1937 according to adjacent stand 39. SI I would say is lower. Oak also present. Heavy highbush blueberry competition so not much regen.</p> <p>Wld : Site visit on 12-21-99: Bog with heavy brush. Spahnum mounds present. SMB</p>														
20	V0	V0	7		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
<p>comnts Fmd : About 5% birch and white pine. LEATHERLEAF BOG- CONTAINS SOME SMALL SCATTERED BIRCH,SURROUNDED BY PATCHES OF WHITE PINE</p>														
21	O5	O3	34	25	5	40	58	oak	immature	N		20-29 years	0	
<p>comnts Fmd : HABITAT CUT IN 1984- W73-187 SI TAKEN FROM HABITAT PROPOSAL. Almost all upland. Evaluate in 2029: Wither clearcut or hold to manage for oak.</p>														
22	O6	E3	11	98	8	70	65	oak	immature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : HOLD: most of stand is E/M 6 that can add diameter and shade out the shrub understory, as well as give oak chance to seed in along ridge (low volume on ridge). Could have heavy brush competition of clearcut. 60% shallow hummocky ground but is operable (60% upland). More of an E/M but has oak and white pine. Age seems high: must have been taken from supercanopy oak along road. Road is on ridge which runs north of road also. Would have to cut dry/frozen.</p>														
23	M3	O2	24	15	2	0	78	northern hardwood	immature	N		30-39 years	0	
<p>comnts Fmd : Pockets of aspen, most of stand a mix of maple (34%), , aspen (26%), birch (16%), cherry, oak (23%) and wetter. Ridge at N end dense oak. TS 35-91-01, clearcut in 1994. Slightly higher site than stand 31, with much better regeneration. Heavy rose, raspberry at S end.</p>														

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					B	Tot. BA								
24	O5	O3	10	79	9	40	68	oak	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Excellent oak regen in most of stand except N and NW edge, which is wetter and denser, with more M. Not worth damaging understory to get supercanopy out. Large oak is coming down: let it.														
25	O9	O2	42		11	80	67	oak	unevenaged	N		10-19 years	0	
comnts Fmd : Upland (90+ %). 30% E type at W and NW end. 1/3 O, 1/3 W, 1/4 M. Mature O, W with O and W regen and lot of M poles and regen coming in. MO is to increase W, O. Hold until pole sized maple is larger then do M removal to open regen holes for O, W.														
27	V0	V0	18		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : White pine seeding in. '99 comments: LEATHERLEAF BOG- CONTAINS SOME SMALL SCATTERED BIRCH,SURROUNDED BY PATCHES OF WHITE PINE														
29	M5	O1	14	66	9	70	68	northern hardwood	mature	N		10-19 years	0	
comnts Fmd : E end wetter with red pine. R will disappear from stand without fire. 63% upland but all operable. Lot of maple in understory as well.														
31	E2	L0	21	16	2	0	78	swamp hardwoods	immature	N		30-39 years	0	
comnts Fmd : TS 35-91-01, clearcut in 1994. Aspen regen completely failed. Patches of O1/O2, mostly maple and birch. Small L/V patches. Trace of white pine.														
Wld : comments from site visit 8-19-99: in my opinion, a prime example of what can happen if harvest activities are completed when conditions are too wet. The area has converted to benefit marsh wildlife, but unfortunately the aspen cover type has been lost. Insect activity was abundant and diverse. SMB														
32	O8	M1	44	95	18	60	68	oak	mature	Y	final harvest	within 0-9 years	1	other - specify in remarks
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Burn. There's road access, some issues with wet areas for equipment, continuous fuels but would be moderate to low intensity fire. Surface consist of diverse mix of bracken, raspberry, goldenrod and other forbs, upland and lowland grass, cinnamon and sensitive fern (limited areas), some oak regen, hardwood saps including cherry. If burn doesn't work this time, this stand will have to be clearcut in 2019 to get oak back. Worth trying burn because this is beautiful mostly single stem red oak. Shelterwood harvested 2004 Carroll Cr Oak #15-'01. Also Thinned in 1995, TS #27-'91. 90% upland. Areas, especially NW, with sensitive fern, swamp grass. Heavy deer browse and shrub competition has inhibited oak regen: maple is seeding in. Beautiful O9 is just beginning to decline but still good. '99 comments: Removed aspen and thinned oak and maple. Poor reproduction so far, fair amount of oak seedlings on ground. Shelterwood. Open canopy up 40-50% to encourage oak reproduction. Leave about 50 sq. ft./acre basal area.														
Wld : comments from site visit 8-19-99: BW and I discussed changing the prescription to a shelterwood cut for this area to release the regeneration of young oaks - I will discuss this further with BW. There are a number of old (poor timber product quality) trees that should be left for wildlife dens - "wolf trees". SMB														
33	L0	L0	14			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Willow/tag alder. Almost an E1 in places.														
34	E9	E2	31		12	80	70	swamp hardwoods	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : Barely a 9, and almost as much oak as ash. Too sparse for selection and too wet. Evaluate in 2019, but doubt if it will be harvested. Eastern 1/4 was much drier/denser and was broken out (stand 134). Hold 10 years. Mix of lowland hardwoods and oak. Fairly wet site. Stand is mature, but basal area is currently too low for a selection harvest.														

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					B	Tot. BA								
35	O 9	O 2	19	87	11	100	63	oak	mature	Y	final harvest	within 0-9 years	2	
<p>comnts Fmd : Clearcut. Mark for retention with green paint all pine and one good red oak per acre. Almost 100% upland. Should get very good aspen, oak and maple regen, and slightly increased pine component. If regen failed, could plant red pine; any mix of pine and hardwoods acceptable. Lot of dead standing aspen (about 12 BA).</p> <p>Wld : comments from site visit 8-19-99: The declining aspen is providing an abundance of standing snags as well as downed course woody debree for wildlife use. Diverse understory regeneration in spite of med-high deer sign on trails. SMB</p>														
36	A 3	O 1	53	26	3	0	60	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Good upland stand. Cut 1983, sale #50-82-1. 7% lowland with denser aspen. 25% each of O, M, B. Pile of 20+ tires on closed road at SE end.</p> <p>Wld : comments from site visit 8-19-99: aspen regeneration ideal for wildlife. Some large white pine mixed occasionally with aspen providing some diveristy to area. SMB</p>														
37	E 5	O 2	8		8	70	46	swamp hardwoods	immature	N		not scheduled	0	
<p>comnts Fmd : '99 comments: Sparse, wet red maple/ash stand. Aspen is mostly gone now. Heavy lowland brush throughout.</p>														
38	O 5	M 2	14	70	9	40	65	oak	in process of regeneration	N		10-19 years	0	
<p>comnts Fmd : Shelterwood harvested 2004: Carroll Creek Oak # 15 - '01. Maple coming in in lower areas, and some maple saps left. Dense aspen patches in areas, especially at N end: some browse. Very little viable oak seedling/saps but lot of seedlings. Will be M/O/A stand. Regen not adequate enough to remove overstory yet. Evaluate in 2019. Poor quality oak. Good advanced oak regeneration. Shelterwood- remove aspen and maple, thin sawlog oak. Aspen and maple removed 2005</p>														
39	E 6	M 1	11	72	8	130	69	swamp hardwoods	immature	N		10-19 years	0	
<p>comnts Fmd : Lot of oak seedlings. Operable. Manage to increase oak. About 60% upland. Heavy shrub understory in this 240 acres; canopy in this stand has shaded them. Age from previous inventory seems high. Fairly large ditch along Wackerly Rd. More E type at E end of stand. increase volume and to let oak seedlPotentially a good upland red maple/oak site.</p> <p>Wld : Site visit on 12-21-99: scattered WP mixed thru stand. SMB</p>														
40	N 0	N 0	6		0	0		marsh	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Cattail marsh/lowland brush (willow) area along intermittent drainage. Other lowland shrubs on edges.</p> <p>Wld : Site Visit 12-21-99: A fairly large bog depression with leatherleaf and marshgrass. Also a small cattail pothole marsh with standing snags. The marsh area is loaded with blackberry and raspberry bushes. SMB</p>														
41	O 7	A 1	20	17	10	40	65	oak	in process of regeneration	N	shelterwood-seed	within 0-9 years	2	
<p>comnts Fmd : Cut in 1992, sale #17-92-01. Enough residual left when harvested that aspen regen is fairly sparse. Fair amount of oak coming in. Stand (regen) is about 55% A, 45% O + trace of Rm, Wp. Small L type in center. Remove 1/2 of residual stand leaving about 20 BA: Mark with green for retention 2 good oak per ac plus a few white pine. New stand will be oak/aspen mix; succesful regen expected. Interplant red pine if regen is inadequate; any pine/oak/aspen mix is acceptable. Light ORV use of rd through stand. Will have to cross ditch.</p> <p>Wld : Site visit on 12-21-99: A good number of O7 trees with scattered WP. SMB</p>														

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					D B	Tot. BA								
43	O 7	A 2	26	83	13	40	68	oak	in process of regeneration	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)</p> <p>comnts Fmd : Stand shelterwood cut in 2005 (carrol creek oak 073-015-01-01). Area south of creek was left out of sale. Acres were added to stand 44. 20 BA of nice residual red oak. Regen very dense where canopy is light. Little oak has recruited but moderate level of seedlings, often under aspen sprouts. Hold until 2019 to give red oak regen a chance, then either remove overstory or leave it. '99 comments: Good quality oak. Shelterwood to 60 sq. ft. basal area. Remove aspen and thin red maple and oak. Intermittent drainage runs through stand.</p> <p>Wld : Site Visit on 12-21-99: Excellent WP understory in spots. Woodpeckers and chickadees are plentiful. Some very large open canopy oak trees that should be left for wildlife den trees and mast production. Most of these very large trees are along the private land border side of the stand. The groundcover under the trees is mostly wintergreen. Many WP are reaching canopy size. There are scattered groups of RP canopy size trees. There is a blue trailer that appears to be placed on state land - there is a vehicle path coming to it from the private land. There is an area with large WP that has almost a closed canopy creating a green barn effect. The bog area is surrounded by WP. With the amount of bog-like ground cover in this compartment I suggest we use caution with any cutting in this area. Compared to other areas I have visited in Midland county, this stand and stands 49 & 50 have unique components for diversity purposes. SMB</p>														
44	E 4	N 0	13	34	6	20	50	swamp hardwoods	low quality	N		not scheduled	0	
<p>comnts Fmd : Lot of dead ash. Portion in center is N type. Old swamp white oak has died off leaving former ash understory.</p>														
45	U 0	U 0	6			0		upland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Upland. Leave for habitat. Don't plant because of poor access, small size and pipestone soil (PSb) which has high seedling mortality.</p> <p>Wld : Site Visit on 12-13-99: Mostly and open area with scattered patches of grass, ferns, blueberries and a few trees. SMB</p>														
46	W 9	O 1	13	57	10	90	64	white pine	two aged	N		10-19 years	0	
<p>comnts Fmd : Borderline upland/lowland. 45% upland. Dense honeysuckle and virurnum and bracken where timber is sparser. Sparse regen. White pine site: let it seed in and become a fairly good white pine/red maple stand.</p> <p>Wld : Site visit on 12-21-99: Good WP component in the understory. SMB</p>														
47	V 0	V 0	3		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Few birch, oak, wh pine. Some L mixed in.</p> <p>Wld : Site Visit on 12-21-99: Marsh grass and cattail dominate. SMB</p>														
48	M 1	V 0	43	16	1	0	58	northern hardwood	mature	N		30-39 years	0	
<p>comnts Fmd : TS 17-92, Clearcut in 1992. 30% treed bog. Higher areas are A3/O3 with aspen almost 30 ft tall after 16 years! But overall very patchy regen. Spp present: quaking aspen, white pine, pin/black oak, white oak, red maple, paper birch. '99 comments: Very poor regeneration. Scattered pin oak and white pine saplings. Mostly grass and lowland brush. Look at this again in 10 years to consider planting pine. Previously an A6 stand.</p> <p>Wld : Site Visit on 12-21-99: Very poor aspen regeneration, shows signs of rutting. Scattered young WP, but marsh grass and leather leaf dominate. On hilltop, the young oak are regenerating nicely and there were 2 wildlife burrows in the ground - spp unknown. There are some large open sandy areas barren of vegetation. The edge near Stand 49 has a good young WP component. SMB</p>														
49	E 4	L 0	35		5	40	55	swamp hardwoods	two aged	N		not scheduled	0	
<p>comnts Fmd : WET. White pine site and has moderate white pine sapling understory. Will be white pine stand. Scattered large white oak. Lot of mortality in red maple. 1999 Comments: Mixed stand, with lots of species diversity and varying age, size and density. Wet and brushy throughout. Consists mostly of red maple, swamp white oak, pin oak, white pine, hemlock, elm, and paper birch.</p> <p>Wld : Site visit on 12-21-99: Along the edge of stand 48 there are some pole size WP and a couple of large RP. The understory is composed of dogwood, leatherleaf, wintergreen and small WP. Further south theres is a small RP planting with a WP understory and the ground cover is sphagnum and wintergreen. Even further south is some excellent WP regeneration and some mature RP with some oak and maple. SMB</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
50	H 9	M 2	46	12	110	80	hemlock	unevenaged	N		not scheduled	0		
<p>comnts Fmd : Highly diverse stand ranging from hemlock to northern hardwoods to red pine and oak. 80% upland. Shelterwood harvested in roughly 1993. Leave this unique stand for biodiversity and to increase the hemlock component in the long run. Traces of paper birch, bigtooth aspen, WHITE ash, red oak also. Lot of cherry, hazel and white pine seedlg/saps, as well as some oak and aspen regen. Some fairly, relatively steep and long slopes in places. Year of origin 1904. 1999 comments: 2-Step shelterwood sale last YOE. Moderate oak regeneration so far. Patches of white pine and hemlock were left. Good pine reproduction under the oak. Some aspen regeneration also. Some high quality oak left. Leave the patch of hemlock intact indefinitely. DO NOT CUT THE HEMLOCK. Hold 10 years. Insufficient advanced reproduction at this time.</p> <p>Wld : Site visit on 12-21-99: Overmature aspen is falling down creating good down CWD. In the southern half of the stand is an excellent mature hemlock area of about 5 acres! Some cutting has been done in here in the past. I suggest this be discontinued and no more be cut due to the fact that we are having trouble in the state getting hemlock to regenerate due to deer browse pressure. There are a few small hemlock seedlings on the ground, and some WP seedlings. There are a few beech saplings mixed in along edges of the hemlock. One very large mature beech tree has recently fallen down. Carrol creek was very low, but still flowing. The whole southern half of the stand has some scattered mature hemlock with young WP and beech scattered under the mature oaks. Kicked up a doe with 2 fawns. The SW corner of the stand where it meets private land - there is a marsh area that looks like it was created by sand removal pits. SMB</p>														
51	E 1	L 0	3	25	0	50	swamp hardwoods	immature	N		not scheduled	0		
<p>comnts Fmd : Extremely dense shrubs; small portion of south end is V/L.</p>														
54	O 7	O 2	9	76	10	40	oak	two aged	N		10-19 years	0		
<p>comnts Fmd : Western half is O2. Eastern half along road is O8/O2. Continue to hold for visual (not enough volume anyway). When oak supercanopy dies whole stand will be O2. Need to berm turnout (u-drive) at Northwest corner: some trash dumping there. '99 comments. Oak overstory starting to die off, with good oak reproduction coming up. Hold for visual management.</p> <p>Wld : Site Visit on 12-13-99: A number of old dead trees still standing, with cavities that are being used by wildlife. Good acorn drop. SMB</p>														
56	A 4	A 2	16	25	4	40	aspen (upland)	immature	N		20-29 years	0		
<p>comnts Fmd : Clearcut in 1984, TS # 39-82A. Oak (pin) 5%, red map 10%, trace of birch. Understory hazel, blk cherry. Lot of lowland with maple, birch and even swamp grass, ridge along road is high and dry. '99 comments: Patchy aspen regeneration. Some lowland brush.</p> <p>Wld : comments from site visit on 9-21-99: observed hen turkey with 4 nearly grown poults along road near 2 track outlet onto Nielson Road. SMB Site Visit on 12-13-99: There are a half dozen white pine (pole size) in stand. SMB</p>														
57	O 5	M 2	13	74	10	60	oak	mature	N	final harvest	within 0-9 years	2		
<p>comnts Fmd : Clearcut with reserves: Will get oak, maple, aspen stand. Green mark 1 large oak per acre. Use 4" spec on oak. O8 overstory but enough pole sized maple that stand types as 5. Few small wet areas. Would have to put new fill over culvert over drain to access. Commercial removal in 1984, TS#39-82A. All oak was left. Stand is bisected by a drainage ditch. Good reproduction. Much of remaining oak is dead. If regen inadequate interplant with pine; any mix of pine, oak and other hardwoods is acceptable.</p> <p>Wld : Site visit on 12-13-99: There are a large number of acorns on the ground. Just off the trail at the start of Stand 57 there is a permanent tree stand on a large oak. The rail actually continues along the creek and comes out to the pipeline. SMB</p>														
58	N 0	N 0	3		0		marsh	nonstocked	N		not scheduled	0		
<p>comnts Fmd : Cattails, with L type along east end.</p> <p>Wld : Site visit on 12-13-99: cattail marsh surrounded by brush. Phragmites is encroaching on edges. SMB</p>														
59	L 0	N 0	56		0		lowland brush	nonstocked	N		not scheduled	0		
<p>comnts Fmd : 70% L, 25% N, 5% Z. Willow, tag alder, marsh grass.</p> <p>Wld : Site Visit on 12-13-99: A number of fallen trees and an old beaver dam have the creek backed up with abundant standing water in the creek channel. The water is backed up into Stand 64. Water on the other side of the dam is much lower. There is sign of less than 1 year old beaver activity. Most of the flooded trees are dead and many of the snags have woodpecker holes. Ground cover along edges is brush and sedges. NW lobe of stand is a leather leaf/sphagnum bog in good shape. Evaluate the bog area for woody encroachment next YOE. Along the banks of the southern creek there are sandy areas with burrows (some turtle nests and some mink). SMB</p>														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
61	E 4	L 0	3		5	30	51	swamp hardwoods	immature	N		not scheduled	0	
comnts Fmd :														
62	M 6	M 1	13	88	9	100	70	northern hardwood	mature	N	final harvest	within 0-9 years	2	
comnts Fmd : Bit of stand around margins is E type. < 20 BA pole sized oak and not a lot of oak regen once you get into interior. Clearcut, reserving all non-merchantable oak (<5"D). This will give best chance of maintaining oak. Green mark 1 lg oak per ac for mast/retention. Wood poaching occurring in stand.														
Wld : Site visit on 12-13-99: Very open understory. Wind-fall of trees down along creek. Signs of heavy deer browse. Lot's of trash dumped along trail. SMB														
63	O 8	M 2	25		9	50	58	oak	unevenaged	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : YOO 1924. Most of old stand has fallen over (almost completely on N side of drain). New stand north of drain is about 60-65% oak, rest red maple. Cut out maple in about 20 yrs. 3/4 of stand south of drain is still O8/M2: Could do shelterwood but no access. Would only cut about 15 ac. South of drain is also about 30 % M. '99 comments: Lots of dead oak. Good oak reproduction. Leave alone for natural regeneration.														
Wld : Site Visit on 12-13-99: A number of old dead aspen snags standing a some fallen on the ground creating good down CWD. SMB														
64	E 7	E 3	21	85	10	40	55	swamp hardwoods	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : Very "shallow" E type (high water not that high). Lot of ash seedlings and some shrubs.														
Wld : comments from site visit on 9-21-99: Good downed course woody debree (CWD) on the lobe between stands 71 and 65. This higher lobe with CWD between the two wet areas provides an ideal area for amphibian and reptile use. A turtle nest was located. Heavily used deer trail along lobe ridge. A noticeable change in ground cover and downed material at state/private land boundary - reason ???, but obviously due to differences in past management practices. Remainder of stand has a good amount of falling down over mature aspen creating an abundance of snags and CWD on the ground. Observed a number of woodpeckers. 2 basketball size bird nests were in maples - raptor but spp unknown- near center of the stand. Observed wood thrush. SMB														
65	E 4	L 0	16	65	5	20	50	swamp hardwoods	immature	N		not scheduled	0	
comnts Fmd : Very wet, early seral E type with ash and maple. Honeysuckle, dogwood, tag alder and swamp grass.														
'99 comments: Marsh with E2 on edges (5"														
maple and ash). Cattails, marsh grass, tag alder and willow.														
66	O 7	M 1	18	89	14	40	57	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Stand shelterwood cut in 2005 (carrol creek oak 073-015-01-01). Low level of oak regen and moderate maple, both spp heavier in patches. Overall, new stand has not regenerated. LOT OF DEER BROWSE ON OAK. Hold overstory for regen. East end has some shallow depressions with marsh grass. Also has moderate maple regen.														
1999 comments: Moderate quality mixed oak.														
Shelterwood to 40-50 sq. ft. BA. Some advanced reproduction of oak, but not widespread. Oak overstory starting to die off. Leave all pine and large oak trees along the marsh. Leave snags and den trees for wildlife.														
Wld : comments from site visit 9-21-99: Heavy trash dumping along road/trail. Many 2-3 foot oak saplings with heavy deer browse sign. Scattered 1-2 foot white pine saplings also show heavy deer browse. Mature oaks appear to have gypsy moth damage. I suggest the large white pines and the large dead oaks at the end of the trail and on the edge of the marsh be left for wildlife benefits. Chickadees were abundant and making good use of the abundant winterberry fruit. A large red oak at the end of the trail has a huge fork and a cavity being used by wildlife for denning. Another large oak nearby also has a split creating a cavity for wildlife use. SMB														
67	E 1	L 0	11	65	3	0	64	swamp hardwoods	immature	N		20-29 years	0	
comnts Fmd : E4/E1/L/N. N central portion mostly L/N.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
68	P 5	E 1	7	24	5	40	46	balsam poplar & swamp aspen and swamp white birch	immature	N		20-29 years	0	
comnts Fmd : Just reaching pole sized. Will be P6. Sale #83-'01. Lowland brush throughout. Pin oak at east end. Clearcut in 1985, sale #73-83-1.														
69	O 8	O 2	22	77	12	60	55	oak	mature	N		within 0-9 years	0	release
comnts Fmd : Fair oak regen but heavy shrub competition (hazel, bracken, honeysuckle and V). Burn to stimulate oak regen and harvest 1/2 of overstory or more next YO. 1/4 of stand around E and S edge is E type with some ash.														
Wld : Site visit on 10-24-99: Young oak saplings show substantial browse pressure. Deer trails are heavily traveled. A number of large mature oaks have been wind thrown and are creating a good amount of downed CWD. Interesting landscape created by a finger of oaks on a small upland ridge surrounded by the lowland areas that finger out from stand 70. SMB														
70	L 0	L 0	30			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Mixed lowland and upland brush. Evidence of old plow furrows indicate possible attempt at planting. Mix of tag alder, willow (short), grasses, autumn olive, dogwood, blueberry, and goldenrod. Some ash at SE end.														
Wld : Site visit on 10-24-99: Currently dry due to droughty weather. Vegetation is rushes & sedges with a heavy brush component (mostly dogwood and willow). Ground is heavily covered with sphagnum moss. Wild strawberry throughout. Multiple, heavily used deer trails criss-cross the stand. The east end near stand 75 has more of a grassy component - less wet and short, sparse ground vegetation. SMB														
71	L 0	N 0	3			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Very diverse, with cattails, L, and some maple and ash at edges and SW corner.														
Wld : comments from site visit 9-21-99: very nice cattail marsh surrounded by oaks. The volume of the frogs singing was outstanding. A heavily used deer trail ran around the marsh edge. SMB														
73	E 1	L 0	30	25	4	0	46	swamp hardwoods	sparse	N		50-59 years	0	
comnts Fmd : Matrix of upland (15%) and lowland. Patches of alder/willow, oak, aspen. Maple 30%, oak 20%, aspen 25%, remainder ash, birch. Barely forested (about 30% cover).														
Wld : Site Visit on 10-24-00: No comment. SMB														
74	A 4	A 3	10	24	5	10	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Just reaching pole size. Upland, except strip along S edge. Lot of cherry, and oak along road ridge. A few small clearings. Good sized dump site next to road.														
Wld : Site visit on 10-24-99: Heavy trash dumping at the end of the forest road. SMB														
75	O 8	O 1	58	82	12	50	63	oak	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : Oak ridge. Overstory beginning to die off. Some oak reproduction. Poor access. Manage for the understory. Slight mortality. Heavy highbush blueberry cover is prohibiting oak regen. L/N type scattered throughout: would make operability difficult. Would not recommend planting due to access. Needs burning to regen oak.														
Wld : Site visit 10-24-00 : Overmature birch and aspen on edges are falling down creating a number of standing snags and good down CWD. The forest floor is very open with mostly ferns and sparse heavily browsed scraggly young trees (mostly oaks). A small N-S drainage waterway is not marked on the map - I will give FM a map with location. SMB														
76	L 0	L 0	44			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Dogwood, tag alder, autumn olive. Contains scattered mature oak and some scattered small aspen. Some oak and aspen reproduction.														
Wld : Site Visit on 10-24-99: No comments. SMB														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
77	O1	U0	7	17	1	0	60	oak	sparse	N		60-69 years	0	
<p>comnts Fmd : Aspen clearcut in 1993, sale #19-92-1. Very poor regeneration. Upland, getting wetter at N end. Not quite an O1 but will be. Hazel, cherry, bracken and oak, with some red map. Previously an A6 stand.</p> <p>Wld : Site visit 10-24-99: Very open with knee high brush and ferns. I found an old turkey nest with 7 eggshells in it that appeared to have hatched normally. Ground cover was thick with wintergreen that produced plentiful fruit. SMB</p>														
78	E4	L0	17	44	5	20	40	swamp hardwoods	immature	N		30-39 years	0	
<p>comnts Fmd : Barely a 4: Scattered maple, aspen, oak. Fairly heavy honeysuckle, winterberry, dogwood. Wet.</p> <p>Wld : Site visit on 10-24-99: Near the SE portion of the stand there is an open sandy area that was heavily traveled by coyote and grouse. SMB</p>														
79	O9	E3	47	79	10	70	57	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : North half has about 10-15 ac of upland, interspersed with areas of swamp grass ground cover. Southern half has heavy lowland shrubs and is generally much wetter. Good E3 regen in much of stand. Barely on O9; almost an O5. Oak is swamp white, with some red and pin as well. BA too low for selection and much of stand is inoperable. Evaluate next YOE.</p> <p>Wld : Site visit 10-24-99: American Holly bushes are plentiful in the multiple wet areas along the SW edge of the stand. Flushed a grouse. SMB</p>														
80	P6	O2	58	44	8	90	55	balsam poplar & swamp aspen and swamp white birch	mature	N	shelterwood-seed	within 0-9 years	3	
<p>comnts Fmd : Patchwork of sparse oak uplands, dense swamp aspen, and lowland brush pockets. Harvest: cut all aspen and maple dormant/dry/frozen NON-NEGOTIABLE. Leave all oak and other species and use regen spec for oak seedlg/saps (4 inch on oak). Residual should be 30 to 40 BA. Drain is shallow where it goes through this stand. Access will be very difficult. Best bet looks like private to North, where there appears from photo to be road going all the way south to stand along ridge. Also 2% white oak, 2% black cherry, 3% paper birch and 2% green ash.</p> <p>Wld : Site Visit 10-24-99: heavy scrub/brush understory with lots of American Holly heavy with berries. A few good size red oaks along the N edge of stand. A very small N-S drainage ditch toward the N edge of stand was not marked on the map. The ditch was dry but the soil was still very moist. Droughty conditions. SMB</p>														
81	O5	O2	26	44	8	60	55	oak	immature	N		30-39 years	0	
<p>comnts Fmd : Lowland oak, swamp white about 30% of total oak. Moderately dense L under trees. Scattered small upland areas (wetter than st 82). Very little aspen in stand.</p> <p>Wld : Site visit on 10-24-00: There is a groove of tamarack trees on the far W side by stand 76. There are about 20 large trees and many smaller ones. SMB</p>														
82	O5	O2	46	89	8	40	65	oak	immature	Y		30-39 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)</p> <p>comnts Fmd : Upland, vs. stand 81. Moderate density of pole and sap sized pin/red oak hybrid regen. Some swamp white oak and red maple also in stand. Manage for understory. Access would be very difficult, across large L type and private land. Long ridge at west end of stand is continuous upland but road access to stand would be very difficult, and not worth it for the little timber on this neck. Could get more regen if burned, but again access.</p>														
83	E6	E2	22		9	100	65	swamp hardwoods	unevenaged	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : Inoperable: very wet with swamp grass ground cover. '99 comment: Evidence of illegal firewood cutting.</p>														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
85	O 6	O 1	18	53	8	120	55	oak	immature	N		20-29 years	0	
<p>comnts Fmd : Upland portion of former stand. Consists of upland along Nielsen rd and ridge along E edge of stand 103, separated by a very wet E type that would be difficult to cross.</p> <p>Wld : Site Visit on 10-24-99: North of the drainage there is thick regeneration of oaks in spots. Cherry is quite common in understory. South of drainage there are a couple of mature white pines, with a few large oaks. SMB</p>														
86	E 1	L 0	32	49	2	0	36	swamp hardwoods	immature	N		30-39 years	0	
<p>comnts Fmd : About 5 BA pole sized maple, birch, oak. Ground cov tag alder, winterberry, blueberry, about 15% V type. Doesn't seem to be heavy hunting in this parcel of state land. '99 comments: Sparse stand. Bog type ground cover (blueberry, leatherleaf, lowland brush.) Non-merchantable aspen.</p>														
87	L 0	N 0	6					lowland brush	nonstocked			not scheduled	0	
<p>comnts Fmd : Mixed lowland brush and marsh. Patches of maple and ash.</p>														
88	A 6	G 0	6	65	8	90	65	aspen (upland)	immature	Y	final harvest	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u> Adjacent landowner denies access</p> <p>comnts Fmd : Clearcut with reserves if access possible: would have to be via private. '99 comments: Clearcut. Difficult access. Low priority.</p>														
89	R 9	W 2	11		16	100	66	red pine	unevenaged	N		10-19 years	0	
<p>comnts Fmd : PARCEL UP FOR DISPOSAL AND LANDLOCKED. Mixed stand of red and white pine, maple, oak and aspen. Excellent pine reproduction. Manage for mixed pine. Contains large red pine logs.</p>														
90	E 5	E 2	15		9	50	63	swamp hardwoods	unevenaged	N		20-29 years	0	
<p>comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Wet stand. Adjacent landowner has cut numerous shooting lanes into stand. White oak, ash, pin oak, red maple. Hold, then selective harvest for lowland hardwoods. Oak is dying out.</p>														
91	B 2	B 2	23	57	3	0	45	paper birch	immature	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)</p> <p>comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Poor wet site. Some patches of white pine reproduction.</p>														
92	O 8	O 2	12	82	14	50	60	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)</p> <p>comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Mix of pin oak and white pine. Heavy brush throughout, limiting oak seeding. Hold. Evidence of illegal firewood cutting. No access.</p>														
93	V 0	V 0	12		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Blueberry/leatherleaf bog. Scattered white pine and paper birch.</p>														
95	E 2	L 0	22		3	0	40	swamp hardwoods	nonstocked	N		not scheduled	0	
<p>comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Maple and ash with heavy lowland brush.</p>														
96	M 6	M 2	10	45	8	80	60	northern hardwood	immature	N		10-19 years	0	
<p>comnts Fmd : SI adjusted down from 69: this 45 yr old stand isn't much beyond pole size. Aspen vigor fairly good, so hold for volume/diameter growth. '99 comments: Aspen is just reaching pole size. Scattered residual oak and pine. Evidence of an old fire line here.</p> <p>Wld : Site visit on 12-21-99: aspen is sparse in wet areas. SMB</p>														

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Stand	Cover Type-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
97	O 8	O 1	23	87	13	60	58	oak	in process of regeneration	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u>														
Retention of stand for regeneration purposes (ie. shelterwood)														
comnts Fmd : Shelterwood 2004 Carroll Crk oak #15-'01. Regen currently inadequate. Hold 10 yrs and re-evaluate. Regen 45% M (6 ft tall), 30% O (3 ft tall), 25% A (13 ft tall). No regen in places. Trace of black tupelo. SW corner has WP and heavier aspen regen. Some WP saps. Heavy bracken. Hazel on upland areas: as much haz as O, M. Two aged oak. Shelterwood. Remove aspen and maple, mark oak where necessary. Leave pine. Avoid wet portions of stand. Leave all hemlock.														
Wld : Site visit on 12-21-99: Scattered mature WP. Numerous 1-2 ft WP in understory. Hillside with multiple fallen trees due to windfall. Only minimal deer browse pressure seen. Along edge by stand 96 has some hemlock - LEAVE - don not cut! SMB														
98	N 0	N 0	4			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh grass and cattails (80%)														
Wld : Site visit on 12-21-99: cattail marsh. SMB														
100	O 9	O 2	22		11	100	62	swamp hardwoods	unevenaged	N		10-19 years	0	
comnts Fmd : Is operable, mostly swamp grass ground cover or forbs/litter. Good maple, white oak regen. '99 comments: Contains wet, sparse patches of lowland hardwoods. Also, scattered dry hummocks of upland oak. Mostly swamp white oak.														
Wld : Site visit on 12-21-99: No comment. SMB														
101	O 8	E 2	17		10	60	59	oak	unevenaged	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : Similar to st 100 but little wetter and sparser in places: some areas are O4/L. Lot of swamp white oak. Ground cover tag alder, fern, grass. Year of origin 1928.														
103	L 0	L 0	9			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Short willow.														
104	V 0	V 0	7		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Blueberry/leatherleaf bog. Scattered white pine and paper birch. Patches of lowland brush.														
105	V 0	V 0	11			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : 27% cattail marsh.														
106	N 0	N 0	31			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : 5-10% short tag alder/willow. 25% V type.														
107	P 3	L 0	10	16	3	0	50	balsam poplar & swamp aspen and swamp white birch	immature	N		30-39 years	0	
comnts Fmd : Wet SE 1/3 of old st 7: portion that regenerated.														
110	O 8	O 2	46	53	12	40	55	oak	immature	N		20-29 years	0	
comnts Fmd : Very little aspen. Red maple seeding in. Heavy highbush blueberry. Oak seedlgs but not heavy regen. 80% upland scattered small L pockets.														

* See "Compartment Packets Glossary of Terms" document link on web site for further descriptions and code definitions.

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
111	O9	O1	17	10	80	65		oak	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : Upland oak/maple. Final harvest with reserves. Green mark 1 high quality red oak (hybrid) per acre for retention. Expect mixed oak, maple, aspen stand. Interplant with red pine if regen inadequate; any mix of pine and oak with maple and aspen acceptable. Would have to access from private to south. Clearcut best way to overcome blueberry/bracken (dense) competition.														
112	E2	L0	6	44	3	0	55	swamp hardwoods	sparse	N		30-39 years	0	
comnts Fmd : Formerly coded as aspen, but f this was aspen I wouldn't know it. Wet. Some pole sized but not a 4. Red maple, ash, swamp w oak.														
113	M9	E3	13	10	110	65		northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : M/E, mostly M, with good maple regen. Hold until BA increase to >130, then thin to 70 or 80 BA. '99 comment: Evidence of illegal firewood cutting.														
114	V0	V0	1	0	0			bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Blueberry/leatherleaf bog. Scattered white pine and paper birch.														
115	O8	O2	7	82	14	50	60	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)														
comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Mix of pin oak and white pine. Heavy brush throughout, limiting oak seeding. Hold. Evidence of illegal firewood cutting. No access.														
116	L0	L0	1			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Tag alder, dogwood and blueberry with scattered oak and maple.														
117	L0	L0	1			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : 52% willow, 48% grass and cattails. Wld : Site visit on 12-21-99: rushes and scrub brush. SMB														
134	E1	L0	6	38	2	0	50	swamp hardwoods	immature	N		40-49 years	0	
comnts Fmd : About 5 BA of pole sized ash and maple. Tall tag alder and nearly impenetrable winterberry in places. Ground cover sphagnum and royal/cinnimon fern. Very wet. Year of origin estimated from site and tree height.														
143	E4	E3	4	98	7	40	65	swamp hardwoods	immature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : Very wet stand with seasonal flooding. TRACE OF SASSAFRASS SEEDLINGS. Ranges from E7 to E3. Center very wet with swamp grass and ash saps. Edges have some large white oak as well as maple and ash. Lot of blue beech in understory. Wld : Site visit 12-21-99: The ground cover is thick rushes. There remains standing water, but the water is 1 ft below the water lines on the trees. SMB														
156	M4	O1	14	26	5	40	53	northern hardwood	immature	N		20-29 years	0	
comnts Fmd : Diverse stand: Central and eastern portion is maple, aspen, oak over V. Northwest is E type with mostly maple over L (much wetter).														
159	V0	V0	2			0		bog or muskeg	nonstocked	N		not scheduled	0	
comnts Fmd : Blueberry and some willow and honeysuckle.														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Age	Acrs	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
164	E 8	E 1	10	85	11	40	55	swamp hardwoods	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : Very "shallow" E type (high water not that high). Lot of ash seedlings and some shrubs. Bisected by drain.														
Wld : comments from site visit on 9-21-99: Good downed course woody debree (CWD) on the lobe between stands 71 and 65. This higher lobe with CWD between the two wet areas provides an ideal area for amphibian and reptile use. A turtle nest was located. Heavily used deer trail along lobe ridge. A noticeable change in ground cover and downed material at state/private land boundary - reason ???, but obviously due to differences in past management practices. Remainder of stand has a good amount of falling down over mature aspen creating an abundance of snags and CWD on the ground. Observed a number of woodpeckers. 2 basketball size bird nests were in maples - raptor but spp unknown- near center of the stand. Observed wood thrush. SMB														
176	E 1	L 0	6	10	1	0	40	swamp hardwoods	immature	N		70-79 years	0	
comnts Fmd : V at NE end, about 25-30% of stand.														
185	P 6	O 1	21	53	9	80	55	balsam poplar & swamp aspen and swamp white birch	mature	Y	final harvest	within 0-9 years	2	
<u>Treatment Limiting Factors:</u>														
Adjacent landowner denies access														
comnts Fmd : Green mark 10 BA oak for mast and retention. Cut dry/frozen, NON-NEGOTIABLE. Access would have to be across private or would require a lot of effort to cross drain and/or low areas and possible build and improve roads. Private line falsely posted 200 feet in.														
192	O 8	O 2	7	82	14	50	60	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u>														
Other Dept./Div. procedures or practices (describe in comment)														
comnts Fmd : 2009 COMMENT: PARCEL UP FOR DISPOSAL AND LANDLOCKED. Mix of pin oak and white pine. Heavy brush throughout, limiting oak seeding. Hold. Evidence of illegal firewood cutting. No access.														
201	N 0	N 0	4			0		marsh	in process of regeneration	N		not scheduled	0	
comnts Fmd : Scattered dead timber. Part of drainage that also goes through stand 1 and 101.														
203	L 0	L 0	6			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Heavy willow/alder (late seral) with 25% blueberry bog in center. Some maple seeding in.														
211	O 9	O 1	13		10	80	65	oak	mature	Y	final harvest	within 0-9 years	2	
comnts Fmd : Upland oak/maple. Green mark 1 high quality red oak (hybrid) per acre for retention. Would have to access from private to south. Clearcut best way to overcome blueberry/bracken (dense) competition. Expect succesful regeneration. If regen fails, interplant red pine; any pine/oak mix with maple component acceptable.														
213	E 5	E 1	10		8	50	53	swamp hardwoods	unevenaged	N		not scheduled	0	
comnts Fmd : Very wet stand. E5/E7/E1/L.														
214	E 5	E 2	8	87	8	50	55	swamp hardwoods	mature	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Too wet														
comnts Fmd : Broken out of stand 14: much wetter, with swamp grass and sensitive fern. Much higher % ash. Too wet to harvest.														
234	A 9	M 2	12		13	140	70	northern hardwood	mature	Y	selection	within 0-9 years	2	
comnts Fmd : Mark 70 BA with orange for removal, keeping a uniform BA. Removal priorities: 1) aspen, 2) maple. All operable with large, nice aspen. This stand broken out of stand 34.														

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
285	E 5	L 0	23	53	7	50	52	swamp hardwoods	immature	N		20-29 years	0	

comnts Fmd :

301	O 8	E 2	15	81	11	50	60	oak	mature	Y		not scheduled	0	
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Treatment Limiting Factors:

Too wet

comnts Fmd : 60% dry enough to harvest, but 1/2 of operable area is N of E-W running drainage that would be very hard to cross. Used plot data from 1999: broke this stand out of old 12 to delineate N type (st 201). Ground cover marsh grass, dogwood, alder, bracken on higher areas. Aspen is decadent with mortality occurring. Line falsely posted 150 ft onto state. 1999 comments: Shelterwood with stand 97. Remove aspen and mark oak to 50 sq. ft. stand shelterwood cut in 2005 (Carrol creek oak 073-015-01-01)

Wld : Site visit on 12-21-99: Quite open with scattered aspen clumps mixed with large oaks. Good acorn drop. Scattered 6 ft tall WP. SMB

401	G 0	G 0	2			0		grass	nonstocked	N		not scheduled	0	
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comnts Fmd : Lg clump of white pine: cut to maintain opening.

Wld : comments from site visit 8-19-99: nice grassy opening for wildlife. Surrounded by white pine. SMB

Total Acres..... 2259