

\* 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 B	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	L 0	L 0	169			0		lowland brush	nonstocked	N		not scheduled	0	
2	S 6	S 2	3	96	7	90	45	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
comnts Fmd : SCA-Potential Old Growth, spruce island within a larger marsh complex.														
3	S 6	S 2	10	96	7	90	45	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
comnts Fmd : SCA-Potential Old Growth. Spruce islands within a marsh.														
4	S 6	S 2	3	96	7	90	45	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
comnts Fmd : SCA-Potential Old Growth. Spruce island within a marsh.														
5	S 6	S 2	17	95	7	90	45	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														
comnts Fmd : SCA-Potential Old Growth. Spruce island within a larger marsh complex.														
6	F 4	F 2	14	39	5	40	50	spruce-fir (uplands-including upland black spruce)	immature	N		20-29 years	0	
7	S 6	S 1	12	76	7	90	45	black spruce-swamp	mature	N		10-19 years	0	
comnts Fmd : Hard to access. Hold another 10 years and cut with stand 6 to north.														
8	F 3	F 3	10	17	3	0	50	spruce-fir (uplands-including upland black spruce)	immature	N		40-49 years	0	
comnts Fmd : Cut in 1991-91 by Holli Forest Products, permit #38-89, Sagola Lakes Block. Was access from the north via frozen road and culvert across tributary.														
9	Q 6	Q 1	63	77	6	70	30	mixed swamp conifer	low quality	N		not scheduled	0	
comnts Fmd : Larger swamp conifer stand on the edge of a marsh complex. Birch has died out, only a few remain. Was hit by budworm in the past as well.														
10	Q 5	Q 1	20	77	6	60	45	mixed swamp conifer	low quality	N		not scheduled	0	
<u>Treatment Limiting Factors:</u>														
Potential or designated old growth														

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					B	Tot. BA								
11	F 5	F 1	6	77	6	40	50	spruce-fir (uplands-including upland black spruce)	sparse	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Road needed (resources not presently available)</p> <p>comnts Fmd : This stand is a small island with no access without a significant amount of road work plus a birdge to cross the Flat Rock Creek. It is a sparse stand of balsam, red maple, and white birch with scattered jack, red, and white pine. If we decide to cut stand 15 we should also cut this stand and manage it for either pine for balsam and red maple mix.</p>														
12	Q 6	Q 2	32	77	8	80	45	mixed swamp conifer	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential Old Growth.</p>														
13	B 4	F 1	7	77	8	40	50	paper birch	old growth (potential or actual)	Y	seed tree	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential Old Growth. Birch island next to Heart Lake. Could possibly treat this stand along with stand 15 and remove it from SCA status. Access is severely limited here.</p>														
14	D 3	D 3	4		4	0	20	treed bog	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential Old Growth. Treed bog that will be a pole stand at next entry.</p>														
15	F 5	F 1	39	77	6	60	50	red pine	sparse	Y	final harvest	within 0-9 years	3	direct seeding
<p><u>Treatment Limiting Factors:</u> Road needed (resources not presently available)</p> <p>comnts Fmd : 8/12/2009: It is being prescribed to clearcut this stand reserving all red and any white pine and scattered white birch. Seeding red or jack pine via snowmobile may be the regeneration option as summer access is difficult. 3/2009: Very sparse stand, pts just happened to fall in areas of denser timber. Very poor quality stand, very low productivity right now. Would benefit from clearcutting and replanting to either red or jack pine, preferably red pine. Since access is a problem, we could consider doing a seed tree cut or seed via snowmobile. If cut, cut with stand 18. Access here is very difficult. There currently is no road to this area of the compartment. A major road building project would need to be undertaken including installing a bridge over the Flat Rock Creek.</p>														
16	Z 0	Z 0	12			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Heart Lake</p>														
17	B 6	F 2	29	77	8	80	46	paper birch	mature	Y	shelterwood-seed	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : A shelterwood-seed tree cut is being prescribed for this stand leaving approx. 10 trees per acre of white birch and a balsam fir. All other live trees, except any red or white pine, are to be cut regardless of merchantability. Leave a 300 ft. buffer (ie stand 67) from Heart Lake, .</p>														
18	J 6	F 2	54	53	8	110	60	jack pine	mature	N	final harvest	within 0-9 years	3	
<p><u>Treatment Limiting Factors:</u> Road needed (resources not presently available)</p> <p>comnts Fmd : 8/12/2009: This stand is being prescribed for clearcutting. All trees, except any red or white pine are to be cut regardless of merchantability. There are several spruce pockets (upland) and young jack pine pockets within the stand. Accessing this stand will take an immense amount of road work including a bridge across the Flat Rock creek.</p>														

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					D B	Tot. BA								
19	S6	S1	40	77	7	120	50	black spruce-swamp	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential old growth. Spruce stand bordering Flat Rock Creek.</p>														
20	L0	G0	52					lowland brush	nonstocked	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential old growth. Low area bordering Flat Rock Creek.</p>														
21	J5	U0	5	59	7	60	60	jack pine	two aged	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : Patchy stand of jack pine and aspen. Hold another 10 years and cut with adjacent stands managing this stand for jack pine with an aspen component.</p>														
22	J3	R3	7	14	2	0	62	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Jack pine volunteers are taking over this stand from the planted red pine. Stand is well stocked with both red pine and jack pine, jack pine being the dominant species.</p>														
23	R4	G0	4	49	8	40	60	red pine	sparse	N		10-19 years	0	
<p>comnts Fmd : Stand is on old opening from the pine days at the end of a rail spur coming off of Kates Grade (1999 comments). Stand is now filling in with jack and red pine. A row of red pine runs along the two track road on the edge of this stand.</p>														
24	J3	J3	34	14	2	0	62	jack pine	immature	N		30-39 years	0	
<p>comnts Fmd : Was commercially cut in Fall of 1993 by Holli Forest Products, permit #11-91, "Camp A Jack Pine Block". Was planted in May 1995, FTP #C31-311. See notes in stand 23 for cabin.</p>														
25	J5	G0	18	52	6	70	62	jack pine	immature	N		10-19 years	0	
<p>comnts Fmd : Mixed stand of aspen, jack and red pine. Stand was planted in 1957 to red pine, which is now being suppressed by the jack pine and aspen. Hold this stand another 10 years the clearcut reserving some of the larger red pine and manage for either red or jack pine.</p>														
26	J2	J2	43	6		0	62	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Regen check done by Gordy Zuehlke in spring of 2008.</p>														
27	V0	V0	7			0	40	bog or muskeg	nonstocked	N		not scheduled	0	
<p>comnts Fmd :</p>														
28	Z0	Z0	1		0	0		water	nonstocked	N		not scheduled	0	
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29	S6	S1	44	81	7	90	45	black spruce-swamp	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential old growth, stand along the Flat Rock Creek. Stand is predominately spruce and balsam with areas mixed with cedar, tamarack, balm, and a few white birch.</p>														

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					B	H								
30	A6	F1	11	68	8	120	50	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	
comnts Fmd : This stand is being prescribed for clearcutting. Cut all trees regardless of merchantability (no retention). This stand is a marginal aspen stand and marginal for red pine. It is well suited for jack pine, however, with the majority of this landscape being jack pine, it is desired to manage this as a mixed stand of aspen, jack pine, and spruce-fir.														
31	J6	U0	2	69	9	70	62	jack pine	mature	Y	final harvest	within 0-9 years	1	direct seeding
comnts Fmd : It is being prescribed to clearcut this stand and plant back to jack pine. All trees are to be cut regardless of merchantability (no retention). Herbicide will likely be need to control aspen and red maple sprouting.														
32	A6	U0	2	69	7	80	62	jack pine	mature	Y	final harvest	within 0-9 years	1	direct seeding
comnts Fmd : This stand is being prescribed for clear cutting and converting to jack pine. All trees are to be cut (no retention) and herbicide used to control sprouting. This is a sandy site currently stocked with off site aspen.														
33	J6	U0	2	69	10	150	62	jack pine	mature	Y	final harvest	within 0-9 years	1	direct seeding
comnts Fmd : This stand is being prescribed for clearcutting and planting back to jack pine or possibly converting to red pine if habitat type allows. All trees are to be cut (no retention). Some herbicide may be needed to control areas of aspen sprouting.														
34	A3	U0	100	25	4	0	55	aspen (upland)	mature	N		30-39 years	0	
comnts Fmd : Areas of better clones/older parts of stand are A5/A6 but as a whole it's still an A3. There are scattered red and jack pine as well as some spruce/fir/oak and red maple. There is a band of jack pine around the bog as well, but not big enough to be it's own stand.														
35	V0	V0	9		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
36	V0	V0	1		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
37	S5	S1	7	79	6	70	43	black spruce-swamp	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)														
comnts Fmd : This stand could be cut via seed tree harvest, however, the stand immediately to the east is currently under contract to be cut. Therefore there would be green up adjacency issues with certification.														
38	V0	V0	3			0		bog or muskeg	nonstocked	N		not scheduled	0	
39	V0	V0	10			0		bog or muskeg	nonstocked	N		not scheduled	0	
40	D2	D1	5		3	0	20	treed bog	low quality	N		not scheduled	0	
41	Z0	Z0	7			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Frenchy Lake														

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42	M6	F 1	10	54	6	100	55	red pine	mature	N	final harvest	within 0-9 years	1	planting
<p>comnts Fmd : This stand is on a knoll/ridge and is a mix of red maple, white birch and balsam fir. There is some jack pine and scattered red pine. There is a heavy hazel and red maple understory as well as balsam. The birch is dying out. It is being prescribed to clear cut this stand reserving a few birch clumps and the jack pine. It will then be anchor chained to expose mineral soil for a seed bed for birch, jack pine, and red pine seed. All other trees (except oak) are to be cut. The source for the red pine seed will be the plantation (44 years old) that is immediately adjacent on the west side of this stand as there are no red pine within this stand. SEE LOCKED COMMENTS.</p>														
43	R6	F 1	6	44	8	110	66	red pine	immature	N		10-19 years	0	
44	R6	F 1	2	44	8	70	66	red pine	immature	N		10-19 years	0	
45	R6	F 1	14	44	8	110	62	red pine	immature	N		10-19 years	0	
46	A5	F 1	24	31	6	70	55	aspen (upland)	immature	N		30-39 years	0	
47	R9	F 1	1		14	270	70	red pine	mature	Y	shelterwood-seed	within 0-9 years	2	
<p>comnts Fmd : This is a small stand of mature red pine surrounded by aspen. A shelterwood-seedtree cut is being prescribed to regenerate this stand while retaining approximately 50 sq/ft of the large over mature red pine, creating 1/3 to 1/4 acre gaps. Harvesting will be restricted to snow free conditions to aid in scarification. Cut this stand along with stand 48 to the south. Stand 400, grass opening to the west of this stand will be used as a landing area.</p>														
48	R9	F 2	9		14	150	70	red pine	mature	N	shelterwood-seed	within 0-9 years	1	
<p>comnts Fmd : This stand is being prescribed for a shelterwood-seedtree type cut to regenerate this stand while retaining approximately 50 sq/ft of the large over mature red pine, creating 1/3 to 1/4 acre gaps. Cut all other trees regardless of merchantability except cut no oak. Harvesting will be restricted to snow free conditions to aid in scarification. Cut this stand along with stand 47 to the north. Stand 400 to the west of this stand can be used as a landing area for this sale.</p>														
49	B5	F 3	11	59	10	60	55	paper birch	two aged	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p>														
<p>comnts Fmd : This is a two aged stand due to previous cuttings. It has a heavy fir understory. This stand could be cut now to utilize the larger aspen and birch that are on the west edge of the stand. However it would be better to hold this stand another 10 years to gain more growth on the aspen and fir. 4C was used to limit this stand due to the smaller diameter of the aspen and fir.</p>														
50	X0	X0	8			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Flat Rock Road</p>														
51	A6	F 3	4	59	6	80	55	aspen (upland)	two aged	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p>														
<p>comnts Fmd : This is a two aged stand, older birch and aspen mixed with young aspen and balsam fir. Hold this stand another 10 years. 4C was used to limit this stand due to the smaller diameter of the aspen and fir.</p>														

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					B	Tot. BA								
52	B 5	F 3	4	77	7	60	46	paper birch	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential old growth. Birch island surrounded by lowland conifer swamp.</p>														
53	N 0	N 0	23			0		marsh	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential old growth. Marsh.</p>														
54	C 5	L 0	6	95	7	50	26	cedar	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential old growth. Cedar stand.</p>														
55	Q 6	S 1	88	95	7	110	27	mixed swamp conifer	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential old growth. Larger swamp conifer stand. Birch is dying out. Scattered spruce and cedar heavier along western edge. Lots of tag alder throughout stand.</p>														
56	L 0	L 0	2			0		lowland brush	old growth (potential or actual)	N		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : SCA-Potential old growth.</p>														
57	R 5	F 1	23	61	8	70	58	red pine	two aged	N	seed tree	within 0-9 years	3	
<p>comnts Fmd : Poorly stocked stand overall, heavier stocking in some areas where points fell brought the avg. ba/ac up. Would benefit from clearcutting and planting to either red pine or jack pine. Red pine could be regenerated via a seed tree cut too leaving the majority of the red pine, except on the southwest side where a very dense pocket of pure red pine exists. This area would require a heavier cutting, down to 50 sq ft. If this stand is held another 10 years we'd get on average another 1 stick per tree in the fir and jack pine.</p>														
58	C 6	L 0	13	95	7	120	27	cedar	mature	N		not scheduled	0	
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59	L 0	L 0	5			0		lowland brush	nonstocked	N		not scheduled	0	
<hr/>														
60	F 0	G 0	8			0	0	55 spruce-fir (uplands-including upland black spruce)	high risk	N		within 0-9 years	0	planting
<p>comnts Fmd : This stand needs a site visit for a regeneration exam and to determine if a cultural treatment is needed. It was cut in the fall of 2003 by Roy Nelson, III, timber sale #107-01-01, Coniber ELF Sale. Birch seed trees were left as well as any oak, cherry, and cedar as well as 1 to 3 stick spruce. Upon examining this stand in January 2009, virtually no regeneration was present at snow level. There are some red maple sprouts as well as some spruce and fir seedlings, though very low stocking. Pending a field visit, stand will be planted with an upland conifer mix.</p>														

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61	F 3	F 3	4	21	3	0	55	spruce-fir (uplands-including upland black spruce)	immature	N		40-49 years	0	
comnts Fmd : Stand was cut in the fall of 2003 by Roy Nelson, III, timber sale #107-01-01. Stand origin at this time is estimated based on the fir understory present in 2003 and was small at the time.														
62	R 9	F 1	7		12	90	69	red pine	mature	N		10-19 years	0	
comnts Fmd : Stand was cut during the fall of 2003 by Roy Nelson, III, timber sale #107-01-01.														
63	C 6	Q 1	14	95	7	120	40	cedar	mature	N		not scheduled	0	
64	L 0	L 0	4			0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : SCA-Potential old growth. Low area along the Flat Rock Creek.														
65	R 6	F 1	7		10	90	64	red pine	mature	N		10-19 years	0	
comnts Fmd : Patchy stand of red pine.														
66	F 2	A 2	12	14	0	0	44	spruce-fir (uplands-including upland black spruce)	immature	N		50-59 years	0	
67	B 6	F 2	9	77	8	80	46	paper birch	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Potential or designated old growth														
comnts Fmd : SCA-Potential Old Growth. This stand was created from the adjacent stand 17 during the pre-review for 2011. Stand is to be 300 ft. wide using Heart Lake as the west boundary.														
400	G 0	G 0	3			0		grass	nonstocked	N		not scheduled	0	
401	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
402	G 0	G 0	8			0		grass	nonstocked	N		not scheduled	0	

Total Acres..... 1248