

\* 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. DBH	Tot. BA	Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
1	R 3	R 3	26	12	1	0	43	red pine	immature	N		40-49 years	0	
<p>comnts Fmd : 2-10' tall trenched &amp; planted RP, overtopped in areas with naturally-recruited JP and good NPO stump sprouts. Long skips in stocking of RP &amp; suppressed saplings where the JP is thick. Averages out to R3 by including the JP &amp; oak regen. Inclusion of a pocket of uncut small JP poles on E line against Pvt, with very small wet area adjacent. Previous OI comments: "CLEARCUT 1990 AND PLANTED 24 ACRES OF JACK PINE 1995 EAST SIDE BOG" ?? Used 1995 as yr of origin and used stand 57's SI.</p>														
2	J 3	J 3	30	2	0	0	43	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Trenched and planted JP around lg sap/small pole RP/WP/JP residual. Areas where residual was higher, such as to the S, were not planted. Planted JP has long skips in stocking. Leave island of RP is now stand 102. Used stand 3's SI. Previous comments: "Use the 5 spot group selection method. Prescription changed to Final Harvest, watch visual. 2002 Timbersale completed # 720370001 Stand trenched and planted to Jack Pine following a failure to regenerate to Oak naturally by stump strouts. In accordance to FTP C72-505 in 5/05, stand was planted with Jack Pine".</p>														
3	J 6	U 1	57	66	9	80	44	jack pine	two aged	Y	shelterwood-seed	within 0-9 years	2	natural regeneration
<p>comnts Fmd : Multiple age &amp; size classes of JP, with RP as scattered individuals and in pockets. Very poor condition NPO mixed in. Harvest JP 5" and up, leave all RP &amp; NPO. Cut to regenerate the few aspen stems. Cut when ground isn't frozen to maximize scarification. Evaluate &amp; consider leaving a retention island in SE of stand to address visual impact of sale as seen from co. rd. A mix of pine regen is acceptable, as is a lower initial stocking density since this stand took decades to regenerate naturally and reach this state of stocking. Previous SI: 32-1939-47. More redpine is to the north part of stand, mmore sparse red pine on south part of stand.. Treating stand differently than when we treated nearby std 126- 126 regenerated very poorly due to poor soils, so we are leaving smaller diameter established regeneration here.</p>														
4	O 8	F 1	10	97	13	60	50	oak	mature	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Influence zones</p> <p>comnts Fmd : Small stand bounded by Conners Flat Road and swamp. Poor-quality NPO with a little cull TA &amp; RM. BF &amp; WP filling in below. Within deeryard influence zone. Leave stand, given planned treatment of stand 3 to west and young regen status of stands 1 &amp; 2. Used prevoius SI.</p>														
5	C 9	S 3	97	109	13	120	31	cedar	mature	N		10-19 years	0	
<p>comnts Fmd : Cedar with blk spruce and tamarack pockets, on mostly sphagnum-covered hummocks in standing water. Thick BF below. Stand includes higher-ground isolated islands, as well as 2 small NPO inclusions along Conners Flat Road (parts of stand 4 per former mapping standards, but split off by co. rd.). Deeryard. Beaver activity on the S-center edge of the stand has begun to flood-kill about 3 acres.</p>														
6	O 8	W 2	32	73	15	70	51	oak	two aged	N		30-39 years	0	
<p>comnts Fmd : Scattered overstory of wolfy NPO &amp; WO, SCRIP, &amp; WP (some massive, 30-40" DBH), over lg sap/sm pole WP, and RM stump clumps. Also has scattered v. cull overmature aspen. With the exception of its E1/4, this stand is already in process of conversion to WP - it pretty much owns this stand. Going in to remove any of the low-density, low-quality mature overstory would cause damage to the existing WP regen. There is a pocket of WP sap mortality near the west Pvt property corner. Treat next when the WP understory is ready to be thinned. Previous SI: 70-1912-51</p>														
7	D 2	D 0	13		2	0		treed bog	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Leatherleaf bog with spruce saps and off-site yellowing WP &amp; JP saps. Tag alder to E with flood-killed cedar.</p>														
8	R 9	W 2	19	168	22	110	47	red pine	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Potential or designated old growth</p> <p>comnts Fmd : Scattered pockets of SC RP &amp; WP with falling-apart cull TA &amp; BTA small clones. Below are oak and RM poles with W2 regen. Small pools and low ground inclusions occur within the stand. Stand is isolated by bog and swamp on state land, but there is connected high ground to the W on pvt. The century &amp; a half+ SC pine have fire-scarred bases &amp; heavy branches. Do not recommend harvesting these monarchs. Previous comments: "PRIVATE ACCESS NEEDED. Potential old growth." Previous SI: 31-1897-55</p>														

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					B	Tot. BA								
9	J 3	J 3	34	12	2	0	52	jack pine	immature	N		50-59 years	0	
comnts Fmd : Trenched & planted JP 8-15' tall, 1-3" dbh. Previous comments: "Some areas planted in 1995". Used previous SI														
10	A 3	A 3	6	17	3	0	50	aspen (upland)	immature	N		40-49 years	0	
comnts Fmd : TA regen with U/G inclusions. Cut in 1990 under #8-89. Used previous SI.														
11	Q 5	S 1	20	92	7	50	39	mixed swamp conifer	sparse	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : Saturated leatherleaf/sphagnum/labrador tea bog with small-diam spruce and tamarack poles, & off-site WP saw and poles on small mounds. Stand has "higher" ground to the center and N (where knee-boots wouldn't be necessary) with more WP & less Q type. Overall, the stand is a low-productivity Q type with a sizeable niche microsite WP component. Used previous SI -- mine on tamarack (27-1923-30) put it as non-productive forest land and the site isn't quite that bad. Operability questionable -- open water in January.														
12	A 6	F 1	119	39	7	80	80	aspen (upland)	immature	N	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Diverse aspen stand on low & high ground with a lot of Q interface. Hillside seeps and small (1-3' wide) streams cross through it. Primarily TA, with some BTA clones on the high ground and a little BAM on the lowest ground. F1-F3 understory on the lower ground, giving way to more open understory in the uplands, with RP & RP saw in the NW1/3 of the stand. Has small Q and L inclusions. Large cull RM saw common, with v. poor NPO scattered and in small pockets (good potential ISR). Aspen large saps/small poles are weeding out. Hypoxylon in some TA clones on poorer soils in the stand's NW. Deeryard influence zone. Will need 3 culverts installed to access the stand. Old comments: "cut over in 1968 . . . Scattered mature A-O-M & J were left". Treatment occurred prior to state acquisition from Consumers Power.														
13	C 5	S 3	37	103	9	40	26	cedar	two aged	N		not scheduled	0	
comnts Fmd : Cedar over small spruce and tamarack poles. Some cedar mortality to the south with more open areas, spruce & tag alder.														
14	W 4	F 1	22	17	7	40	70	white pine	immature	N		40-49 years	0	
comnts Fmd : Most of stand is within old harvest area, cut under sale #8-89 in '89 & '90. Characterized by WP & BF poles and small-diameter short WP saw over lg sap WP & BF. Stand also has U/G, TA & JP regen inclusions. Plots happened to pick up more small WP saw, but this is really just a low-density open-grown pole stand at this time, so I coded it as such. Stand grades down to stream floodplain and swamp. Deer yard influence zone. Set stand age to harvest year, although there is an older component that was residual from the 1990 harvest.														
15	C 5	S 3	32	109	8	70	28	cedar	two aged	N		not scheduled	0	
comnts Fmd : Cedar with black spruce and tamarack mixed in , over spruce and fir regen. Portions of the stand's swamp type are perched, with wide areas of sub-surface water flow (audible when walking over). Has inclusions of very cull trembling aspen over spruce regen on slightly higher ground, sparser low areas with tag alder, and pockets of almost pure spruce. Historic deer yard. Used previous SI.														
16	A 6	F 2	13	45	7	70	79	aspen (upland)	old growth (potential or actual)	N		10-19 years	0	
comnts Fmd : Stand made up of TA clones with thick F3 on the lower ground, and nice BTA clones on the higher ground. Stand grades down to streams, swamp and the AuSable (a designated Natural River) on the W, E & S sides respectively, and the erosion hazard elevates along those edges. Core difficult to age. Previous inventroy dated stand year of origin to '62, so adjusted my SI age to that. Previous SI was 11-1962-60														

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17	C 8	S 3	12	110	13	60	39	cedar	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Cedar stand starting on uplands and steadily grading down to the AuSable, a designated Natural River. Nice cedar on the uplands, but cedar to the S1/2 is suffering die-back and mortality, possibly due to change in soil moisture (are cattails under the most stressed cedar). Almost C1 in 6-18" seedlings where there is the cedar/cattail mix. Stand includes an island of high ground on E-center edge, a wet meadow with black ash in the SW, and E-type with cedar in the SE. Numerous hillside seeps and drains into the AuSable. Deeryard. Previous SI: 25-1898-32.</p>														
19	J 5	J 1	57	34	6	50	50	jack pine	immature	N		30-39 years	0	
<p>comnts Fmd : JP, oak &amp; aspen cut over most of the area between '73 &amp; '76 under sale #14-73A, all RP left. JP moving into the pole class, oak stump sprouts also moving into the pole class, small scattered aspen clones and scattered RP &amp; NPO saw. Stand includes ~2 acres at the SE end that has younger JP (was cut in '89-'91 under sale #26-89). Adjacent to deeryard. Used previous SI. Four driveways to Pvt on N side of stand. Spoke to two residents about yard expansions onto state, don't mow/maintain, etc.</p>														
21	D 1	D 1	5			0		treed bog	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Leatherleaf bog with spruce &amp; off-site pine filling in, poles at margins. Open water at west end.</p>														
22	C 5	S 3	8	109	6	50	28	cedar	mature	N		not scheduled	0	
<p>comnts Fmd : Cedar stand with heavy deer use &amp; a thick BF understory. SI from previous inventory. Bulk of stand's original acres lost to beaver flooding stand 51.</p>														
24	J 4	J 3	30	33	5	30	55	jack pine	immature	N		30-39 years	0	
<p>comnts Fmd : Cut in '73-'74 under sale #14-73A. J3 moving into the pole class, with a majority of the JP stems still unmerchantable. Oak stump sprouts with some merchantable stems. Inclusion at N end of TA clone being removed by beaver, and two small TA clones along the stand's SW edge. D1 inclusion along W edge. Heavier to lg sap/sm pole WP north of the road and along the marsh. Far E end has lower-density JP &amp; WP sm poles mixed with scattered RP &amp; NPO saw and what few aspen the beaver haven't hit - this peninsula is a good candidate for ISR next time the stand is cut. Used previous SI.</p>														
25	R 9	F 1	47	75	15	100	59	red pine	two aged	N		20-29 years	0	
<p>comnts Fmd : Long narrow stand bounded by Connors Flat Road to the N and swamp to the S. Generally on uplands with mixed pine &amp; oak. Types out as R9, but is a composite of several species: 40BA RP saw + JP, WP, NPO, RM, TA &amp; BF, with 60 BA in the saw class and 40 BA in poles. 3 roughly 2-acre inclusions: swamp edge along Pvt to SW, pocket thick WP regen to S-center, and pocket TA to E. Adjacent to deeryard, well-established deer trails. Retain overstory to continue filling in understory.</p>														
26	J 3	J 3	40	2	0	0	47	jack pine	immature	N		60-69 years	0	
<p>comnts Fmd : Trenched &amp; planted JP, 1-4 seedling gaps within rows not uncommon. Oak stump sprouts doing well. Scattered residual RP of all sizes in the S part of stand. N part along road was final harvested, 1-stick and up, so it has only scattered RP, JP &amp; WP lg sap residual. Planted under C72-505 in 2005. Used previous Si.</p>														
27	J 3	J 3	62	14	2	0	48	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : E1/2: trenched and planted JP 10-15' tall planted in 1993 (30 acres per planting summary) with good oak stump sprouts above it. W1/2: slightly younger JP, planted in 1995 (12 acres per planting summary), with both plantings under C72-270. Since "older" JP covers a majority of the stand, used its info. Old comments: "CLEAR CUT 1990 ABOUT 14 ACRES OF O2 ON THE NW SIDE." Used previous SI</p>														
28	J 3	J 3	25	2	0	0	48	jack pine	immature	N		60-69 years	0	
<p>comnts Fmd : Trenched &amp; planted JP in 2005, short gaps in stocking, some yellowing of needles but &lt;5% affected. Good oak stump sprouts. Scattered WP, RP &amp; JP lg saps/sm poles residual especially N of E-W two track and to W. Previous comments: "USE THE FIVE SPOT GROUP SELECTION. PRESCRIPTION CHANGED TO FINAL HARVEST. WATCH VISUAL. 2002 Timbersale completed # 720370001 Stand was trenched and planted to Jack Pine following failure of Oak regeneration from stump strouts. This is in accordance with FTP C72-505 in 5/05". Use stand 27 SI.</p>														

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					D	Tot. BA								
29	O 1	O 1	6	6	0	0	50	oak	immature	N		60-69 years	0	
<p>comnts Fmd : A mix of good oak stump sprouts, saplings and seedlings. Scattered oak, RP &amp; JP saw were left. The oak regen tends to be in clumps of O3 with U in between. For sake of typing, average out to O1 across the stand. Previous comments: "OAK DYING GOOD FIREWOOD SALE LEAVE A FEW SEED TREES. Cut 2001 contract #72-049-9902 Fallen Oak Block. Six oak trees were marked to be left for seed trees" Used previous SI.</p>														
30	V 0	V 0	5		0	0		bog or muskeg	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Leatherleaf bog with a few off-site pine saps.</p>														
31	J 5	J 1	188	38	7	60	42	jack pine	two aged	N		10-19 years	0	
<p>comnts Fmd : Most of the stand had 1-stick &amp; up JP removed under 5 separate "salvage &amp; improvement" permits in 1969 (#3-, 5-, 8-, 12- &amp; 17-69) so while there is an older component scattered throughout (the unmerchantable stems at the time) and in parts of the stand outside of those old permit boundaries, I set the stand year of origin to 1969. The result of those past treatments is a multiple-age JP stand, along with components of RP and declining NPO that has seeded in localized areas of O1-O3. There is a minority JP saw/lg pole component, but the stand is characterized by JP lg saps and small poles. Everything has been growing slowly on this PVCd site that has hosted fires in recent history. Old fire plow lines are common, with J3 in those burn areas. The understory elsewhere has J1-J2 in lg saps. Previous comments: "MORE OAK ON THE WEST SIDE"</p>														
33	J 3	J 3	35	14	2	0	50	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : J3 planted in 1993 under C72-242. Gall rust common. Nice oak stump sprouts above it. Used previous SI.</p>														
34	E 8	F 1	22	83	11	40	36	swamp hardwoods	old growth (potential or actual)	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u>                  Potential or designated old growth                  Too wet</p>														
<p>comnts Fmd : E-type (large cull RM &amp; TA, paper birch &amp; blk ash) with scattered RP &amp; WP saw, and Q-type at W &amp; E ends and a little mixed in through the rest of the stand. Borders the S edge of Dyer Red Pine and has a ~2' wide stream, with a braided thread in places and tiny feeder streams, running through a relatively wide floodplain. S-center of stand has ~1/4 acre grove of carpinus caroliniana (blue beech). Most of the stand is on low ground and there are areas of open water. See stand 131's comments regarding managing this stand, stand 131 and 35 (Dyer Red Pine) as a single biodiversity complex. Black ash SI indicated that this is non-productive forest land, but the stand's overall quality is not that bad, so it was coded as commercial forest land. Per pre-review stand was factor limited under a stand condition 8 due to wet condition and fact It has exceptional diversity, more so than adjacent Dyer Red Pine Natural Area. We want to recognize this area and potentially merge it into the Dyer management scheme??? This was just a consideration. This area needs to be considered as a potential SCA.</p>														
35	R 9	M 1	12	193	24	90	58	red pine	old growth (potential or actual)	Y		within 0-9 years	0	cleaning & weeding
<p><u>Treatment Limiting Factors:</u>                  Quiet area/natural area/wilderness</p>														
<p>comnts Fmd : Sign on north side of Dyer Truck Trail states: "Crawford Red Pines Natural Area (Dyer Red Pines) origin circa 1814. Camping &amp; motor vehicles prohibited." SCA. The type also crosses into compt 278 to the N. Some oak was salvaged in '95 under #720339401. The stand has 3 main pockets of super-canopy red pine, with RM, JP &amp; WP in between, and overmature TA along the S edge. 6 acres of the west part of the stand were underburned on May 18, 2005 (the remainder of stand was excluded due to high impact that would have resulted when trying to put control lines in the heavy balsam area. See FTP C72-506. SJ Thiel). RM regen was top-killed; it has resprouted at the base and is ready to be burned again. Used previous SI and set the year of origin to 1814. Previous comments indicate that this is a proposed natural area.</p>														
36	J 3	J 3	29	2	0	0	48	jack pine	immature	N		60-69 years	0	
<p>comnts Fmd : JP planted 2005. Skips in rows of 1-3 trees not uncommon. Some browse (deer?) on W edge. Used previous SI. Old comments: "CUT WITH STD 1 COMP 281 1998 YO E Stand was cut under contract number 005-99-01, Yellow Black Jack Sale the spring of 2000. FTP C72-434 was submitted to plant stand to jack pine."</p>														

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					D B H	Tot. BA								
37	A 6	W 1	30	38	6	70	77	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Trembling aspen and BTA clones, with RP &amp; NPO sawtimber in pockets &amp; as scattered individuals, small tag alder bog inclusions, areas with thick WP sm poles and lg saps, other areas with BF below. "W1" understory coding is a composite of the BF &amp; WP regen. N peninsula cut between '73 &amp; '76 in sale #14-73A, but bulk of stand was reportedly cut in '69 by Consumers Power Company when it was still their property, except for a chain-wide strip of aspen on the W line near a small stream (is now very overmature TA). Plots 4-10 landed in stand 137 that was split out because that area is encumbered by leases due to expire in 2011 and currently have cabins on them. Consider treating next YOE along with stands 137 and 146. Previous comments: "CUT BY CPC LEFT 1 CHAIN STRIP A6 NEXT TO WEST BOUNDARY POCKETS OF R8". Previous SI on aspen: 55.</p>														
39	U 1	U 1	6	16		0	55	upland brush	sparse	N	final harvest	within 0-9 years	3	
<p>comnts Fmd : Cut in '89-'91 under #26-89. U/G with scattered clumps of J3, BF, 1-stick WP &amp; scattered aspen. Maintain as an opening by removing all stems 2" &amp; up at the same time as stand 46 (or stand 12). This section &amp; sec 8 have very little area in upland opening. Adjacent to deeryard.</p>														
40	N 0	N 0	2			0		marsh	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Small marsh with emergent grasses.</p>														
41	V 0	V 0	4			0		bog or muskeg	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Leatherleaf bog with off-site pine.</p>														
43	D 2	D 2	5		1	0	24	treed bog	sparse	N		not scheduled	0	
<p>comnts Fmd : Leatherleaf bog with spruce &amp; WP seeding in. Stand boundary includes rim of pine along the bog's margin and up to Conners Flat Road. Used previous SI.</p>														
44	V 0	V 0	7		0	0	24	bog or muskeg	sparse	N		not scheduled	0	
<p>comnts Fmd : Bog with dense leatherleaf cover, and spruce &amp; off-site JP &amp; WP filling in from the margins.</p>														
45	C 5	S 2	24	109	7	60	28	cedar	mature	N		not scheduled	0	
<p>comnts Fmd : Cedar stand with inclusions of aspen on "higher" ground, &amp; L-types with black spruce circa. Stand is generally on black muck soils with seeps &amp; near-surface groundwater flow. Stream runs through it. Deeryard. Used previous SI. Previous comment: "AREAS OF LOWLAND BRUSH".</p>														
46	A 6	F 1	47	39	7	90	73	aspen (upland)	immature	N	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Old comments noted: "cut over in 1968 . . . Scattered mature A-O-M &amp; J were left". Cut when most of the stand was still owned by Consumers Power Company. Stand has TA &amp; BTA clones with scattered RP, RM &amp; NPO saw, &amp; 2 NPO inclusions that would be good potential ISR. The N peninsula near stand 51 also has potential for ISR. A 3' wide stream runs through the stand -- will need a culvert to cross it on the 2-track at the stand's N edge. Deeryard influence zone. Per Pre-review consensus 8-14-07: Divide stand 46 along the stream into two stands: hold the west end (new stand 146) and treat it along with stand 37 in the future. Treat the remaining east portion of stand 46 this YOE along with stand 12. This split will hold more aspen acreage for the future and better balance the type's age class diversity within the compartment. A stream crossing will be needed to access stands 46 and 12. If a culvert is installed it will be pulled when harvesting is complete; if left in place, beaver would likely plug it and cause water to back up and wash out the crossing. A portable bridge could also be used for this temporary crossing. When harvesting is complete, close the two-track where it forks off of Polly Trail in stand 146. The area sees heavy illegal ORV activity; design the closure with that in mind.</p>														
47	Z 0	Z 0	4			0		water	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : The AuSable, a designated Natural River.</p>														
48	A 6	F 1	37	33	6	70	72	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Most of stand cut under sale #14-73A between '73 &amp; '76, all RP was left. Very mixed stand, ~40% aspen in small isolated clones with U/G, very good NPO stump sprouts, BF, WP, RM &amp; small RP saw in between, &amp; three 1-acre inclusions of dense RP sawtimber.</p>														

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49	L 1	L 1	2		0	0		lowland brush	sparse	N		not scheduled	0	
comnts Fmd : Tag alder over marsh grass with scattered TA, BAM & black ash; very narrow (1-3' wide) stream runs through it.														
50	X 0	X 0	7			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Conners Flat Road (county gravel, well-maintained)														
51	N 0	N 0	43			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh created by beaver flooding, with somewhat recent draw-down in water (used to be a Z-type). W1/2 has flood-killed Q over grass & cattails. Has small bog, tag alder & Q inclusions appended into its boundary on the S & E sides.														
53	C 9	S 2	7	96	12	110	34	cedar	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : On hillside grading down to the AuSable. The stand has cedar with exposed roots on black muck soils with groundwater seeps, and E-type mixed in & on "drier" ground: paper birch, red maple, & large cull trembling aspen. Deeryard & Natural River influence zone.														
54	C 9	S 2	5	87	13	90	28	cedar	mature	N		not scheduled	0	
comnts Fmd : Cedar & E, open rootmat over exposed water table. Stream drains out.														
55	Q 5	S 2	7	85	6	60	37	mixed swamp conifer	low quality	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Water quality/bmps														
comnts Fmd : Low-density spindly old spruce poles, with WP saw on hummocks. Spruce filling in below. Stand is on a thick saturated sphagnum mat with labrador tea. Exposed water table. Aside from the better microsites (hummocks occupied by WP saw) the stand is a low productivity site. There is as much WP as swamp conifer, but typed as a Q because this is a very wet lowland site. Feeder stream for the AuSable flows through it.														
56	C 8	S 2	19	103	12	60	32	cedar	mature	N		not scheduled	0	
comnts Fmd : Cedar saw over mostly small spruce & tamarack poles & lg saps. Sphagnum below with tag alder swales, some higher ground inclusions, esp. along N edge with SCRP & WP, & ~2 acres of overmature TA off the SW corner of stand 2.														
57	R 9	R 1	20	93	14	70	43	red pine	two aged	Y		20-29 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Many age/size classes of RP form a multi-layered canopy. Stand also has dying NPO, some JP mixed in, & a few cull BTA.														
58	R 3	R 3	65	14	2	0	55	red pine	immature	N		40-49 years	0	
comnts Fmd : RP planted in '93 under C72-242, 4-12' tall with good oak stump sprouts & naturally-recruited JP saps (generally above the RP). Stand has small pockets of RP that are struggling or have <R3 stocking. 2 small bogs on W edge, near 2-track. Used previous SI. Previous comments: "PLANTED IN 1993 SOME NATURAL AND PLANTED JACK PINE WITH OAK SPROUTS".														
59	Q 4	S 2	6	102	7	40	24	mixed swamp conifer	sparse	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.														
comnts Fmd : Low-productivity Q-type, mostly black spruce with a pocket of cedar, some tamarack mixed in, over sphagnum/labrador tea bog. Previous comments: "ONE ACRE OF R9 IN THE NE CORNER".														

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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
102	R 9	R 1	3	92	12	100	43	red pine	two aged	Y		20-29 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : Island of RP left when stand 2 was cut. NPO was cut out of it. Stand has a wide range of age/size classes of RP with a multi-layered canopy. Seeded in over time from a few super-canopy RP (SCRP). Used stand 57's SI &amp; yr of origin.</p>														
106	W 8	W 3	11	107	22	70	45	white pine	mature	Y		30-39 years	0	
<p><u>Treatment Limiting Factors:</u> Too wet</p> <p>comnts Fmd : Stand isolated by swamp and progressively expanding beaver flooded area (even with a trapper working on that lodge's population). SCWP with RP saw, NPO, RM &amp; very overmature BTA, with WP &amp; BF below; W3 understory is a composite of the 2.</p>														
107	Z 0	Z 0	5			0		water	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Beaver flooding of varying extent, depending on trapper's success. Two lodges.</p>														
109	J 1	J 1	55	17	1	0	52	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Natural regen in old harvest area (sale # 8-89): J0-J3 with good oak stump sprouts, WP &amp; BF small pole residual, U/G inclusions, and small pockets of A3 to N edge (A3 inclusion on stand's N peninsula is being taken down by beaver). Averaged to J1 by including other regen spp. Stand surrounds W1/2 of trenched and planted JP stand 9 and was not planted along with it because of the residual stems and natural regen and areas of low ground. Used stand 9's SI.</p>														
112	R 9	R 1	4	67	18	110	67	red pine	mature	N		20-29 years	0	
<p>comnts Fmd : Stand with SCRCP and all age/size classes of RP around and below, occupying ridge on N side of stream and sideslope down to floodplain. SI on most common younger RP saw.</p>														
113	C 5	S 3	8	103	9	40	26	cedar	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Cedar over small spruce and tamarack poles. Some cedar mortality to the south with more open areas, spruce &amp; tag alder. Stand 113 split off because it is within Lease A-38, due to expire 2011, on former Consumers Power property. Deeryard &amp; Natural Rivers Zone.</p>														
114	W 4	W 2	8	30	9	40	70	white pine	two aged	N		40-49 years	0	
<p>comnts Fmd : Part of lease A-38, due to expire in 2011, on former Consumers Power property. Very similar to adjacent stand 14 except that it has a low-density overstory of scattered RP, RM &amp; JP, and NPO that is dying out. Used stand 14's SI and cored age - although the stand has an older overstory component - &amp; featured the WP. The understory is a composite of BF &amp; WP. Bordered by stream on east edge.</p>														
115	C 5	S 3	9	109	8	70	28	cedar	two aged	N		not scheduled	0	
<p>comnts Fmd : Cedar with black spruce and tamarack mixed in, over spruce and fir regen. Portions of the stand's swamp type are perched, with wide areas of sub-surface water flow (audible when walking over). Has inclusions of very cull trembling aspen over spruce regen on slightly higher ground, sparser low areas with tag alder, and pockets of almost pure spruce. Historic deer yard. Used previous SI. Stand split off from 15 because it is part of Lease #A-29, due to expire in 2011, on former Consumers Power property.</p>														
116	A 6	F 2	11	45	7	70	79	aspen (upland)	old growth (potential or actual)	N		10-19 years	0	
<p>comnts Fmd : Stand made up of TA clones with thick F3 on the lower ground, and nice BTA clones on the higher ground. Stand grades down to streams, swamp and the AuSable on the W, E &amp; S sides respectively, and the erosion hazard elevates along those edges. Core difficult to age. Previous inventory dated stand year of origin to '62, so adjusted my SI age to that. Previous SI was 11-1962-60. Split off from stand 16 because it is part of Lease A-38, expiring 2011, on former Consumers Power property. Stand has a canoe or walk-in only cabin on the AuSable, a designated Natural River. This faded shack has intact windows and a locked door, but has not seen any exterior maintenance in recent history.</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								
126	R 7	G 0	53	52	12	40	47	red pine	sparse	N		10-19 years	0	
<p>comnts Fmd : Cut in 2000 under #720459901. Oak &amp; RP were left over S1/2 of stand, RP only over N1/2, and the JP was cut 1-stick and up. The residual was left for visual management along Conners Flat Road. The stand's far SW corner had a strip left entirely uncut opposite a residence on Conners Flat Road. Sparse stand is a mix of small RP saw and poles and poor-quality declining NPO. The stand is open, but has denser pockets of RP to the W, NW, and E. JP is beginning to fill in, but is less than J1 at this time. Aged stand to common RP small saw, but the oak component is ~3 decades older. Allow stand to continue recruiting new regen.</p>														
128	U 2	U 2	11	5	1	0	49	upland brush	in process of regeneration	N		60-69 years	0	
<p>comnts Fmd : Good oak stump sprouts (some browsed), cherry brush and RM saps, a few scattered lg sap pine, grassy inclusions. Was not planted to JP with rest of harvested area to the N, due to existing natural regen. Cut in early 2002 under #720370001, 1-stick and up. Kept previous SI from the oak component. While there isn't enough oak to type out as such, the existing sprouts should develop into a viable oak component over the long term.</p>														
131	R 8	F 2	18	46	22	50	69	red pine	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Originally part of stand 33 in 1989 and prescribed for final harvest; it was excluded from the sale boundary, with t-sale prep notes indicating "leave strip along deer yard"; they also left an uncut strip along the private. This reserved portion has scattered SCRIP (potentially the same vintage of the Dyer Red Pine), with younger RP saw, WP &amp; BF below, overmature JP &amp; TA, and lots of CWD and snags. Took SI on the more common younger RP saw component and set the stand age to that, although this is a multi-age stand with an obviously older, decadent component. The stand's N edge grades into the E-type. This stand, in conjunction with stand 34's E-type, actually represents greater biological diversity and provides a wider range of wildlife habitat opportunities than does the Dyer Red Pine. Given this stand's characteristics - its species/age/size class/vertical diversity, its decadent component contributing to on-the-ground CWD and horizontal structure, its boundary gradient with the E-type, and its proximity to the Dyer Red Pine, I propose managing this stand along with stands 34 &amp; 35 (Dyer RP) as one biodiversity complex.</p>														
133	J 2	J 2	20	17	2	0	50	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Average to J2: roller-chopped strips with J3 in between, areas of J1 with BF poles and scattered RP and BF saps, and a narrow bog swale running diagonally in the stand's NW corner. Stand was cut in 1990 within sale #720068901, with all JP 1-stick &amp; up removed. Was not planted in '93 with rest of sale area, due to advanced regen present and wet ground. Used previous SI.</p>														
136	U 1	U 1	4	7	0	0	48	upland brush	sparse	N		not scheduled	0	
<p>comnts Fmd : Most of stand cut at same time as stand 36 in 2000, but was excluded from planted area. U-type with scattered uncut aspen along the E-type. Old comments for stand 36: "CUT WITH STD 1 COMP 281 1998 YOY Stand was cut under contract number 005-99-01, Yellow Black Jack Sale the spring of 2000. FTP C72-434 was submitted to plant stand to jack pine."</p>														
137	A 6	W 1	48	38	6	70	77	aspen (upland)	old growth (potential or actual)	N		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Other Dept./Div. procedures or practices (describe in comment)</p> <p>comnts Fmd : Trembling aspen and BTA clones, with RP &amp; NPO sawtimber in pockets &amp; as scattered individuals, small tag alder bog inclusions, areas with thick WP sm poles and lg saps, other areas with BF below. "W1" understory coding is a composite of the BF &amp; WP regen. N peninsula cut between '73 &amp; '76 in sale #14-73A, but bulk of stand was reportedly cut in '69 by Consumers Power Company when it was still their property, except for a chain-wide strip of aspen on the W line near a small stream (is now very overmature TA). Plots 4-10 landed in stand 137. Stand encompasses Leases A-18, A-19 &amp; A-20, due to expire in 2011, with three cabins on the AuSable, a designated Natural River. The stand is also within a deeryard influence zone. Cannot perform any treatments or mgt activities in stand until leases revert back to state. Previous comments, stand 37: "CUT BY CPC LEFT 1 CHAIN STRIP A6 NEXT TO WEST BOUNDARY POCKETS OF R8". Previous SI on aspen: 55. Note, stand is factor limited as the state does not have clear title to the land in this stand yet. This stand consists of 3 consumer leases taken over by the state on which 3 private owners have maintained their recreational lease on the properties. The recreational leases expire in 2011 and will not be renewed. At that point the state will have clear title to the land but until then, no management activities can occur on the stand and access to the stand is limited. SJ Thiel</p>														
145	C 5	S 2	5	109	7	60	28	cedar	mature	N		not scheduled	0	
<p>comnts Fmd : Cedar stand with inclusions of aspen on "higher" ground, &amp; L-types with black spruce circa. Stand is generally on black muck soils with seeps &amp; near-surface groundwater flow. Stream runs through it. Deeryard. Used previous SI. Previous comment: "AREAS OF LOWLAND BRUSH". Stand 145 split off from stand 45 because it is part of Lease A-20, due to expire in 2011.</p>														

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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	Tot. BA								
146	A 6	F 1	1	39	7	90	73	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Old comments noted: "cut over in 1968 . . . Scattered mature A-O-M &amp; J were left". Cut when most of the stand was still owned by Consumers Power Company. Stand has TA &amp; BTA clones with scattered RP, RM &amp; NPO saw, &amp; 2 NPO inclusions that would be good potential ISR. The N peninsula near stand 51 also has potential for ISR. A 3' wide stream runs through the stand -- will need a culvert to cross it on the 2-track at the stand's N edge. Deeryard influence zone. Per Pre-review consensus 8-14-07: Divide stand 46 along the stream into two stands: hold the west end (new stand 146) and treat it along with stand 37 in the future. Treat the remaining east portion of stand 46 this YOE along with stand 12. This split will hold more aspen acreage for the future and better balance the type's age class diversity within the compartment. A stream crossing will be needed to access stands 46 and 12. If a culvert is installed it will be pulled when harvesting is complete; if left in place, beaver would likely plug it and cause water to back up and wash out the crossing. A portable bridge could also be used for this temporary crossing. When harvesting is complete, close the two-track where it forks off of Polly Trail in stand 146. The area sees heavy illegal ORV activity; design the closure with that in mind.</p>														
147	Z 0	Z 0	1			0		water	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : The AuSable, a designated Natural River.</p>														
153	C 9	S 2	2	96	12	110	34	cedar	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : On hillside grading down to the AuSable. The stand has cedar with exposed roots on black muck soils with groundwater seeps, and E-type mixed in &amp; on "drier" ground: paper birch, red maple, &amp; large cull trembling aspen. Deeryard &amp; Natural River influence zone. Stand 153 split off because it is part of Lease A-18, due to expire in 2011.</p>														
159	Q 4	S 2	5	102	7	40	24	mixed swamp conifer	sparse	Y		not scheduled	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p>														
<p>comnts Fmd : I did not visit this stand. It was typed out as part of an O8 stand the previous YOE, but it appears to be a Q-type on the aerial imagery and the soils are Tawas-Lupton Mucks. Kotar also identifies it as an unclassified lowland. I entirely forgot to check this new stand while conducting field inventory in the area. I copied over stand 59's data as an estimate of what is out there so that OIPC will accept the Q designation. Stand 59 Comments: Low-productivity Q-type, mostly black spruce with a pocket of cedar, some tamarack mixed in, over sphagnum/labrador tea bog.</p>														
207	L 1	L 1	9			0		lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Area bordering beaver flooding and stream; gains or gives ground as flooding extent fluctuates. Marsh grass with areas in tag alder, spruce regen, and some WP regen on "higher" ground.</p>														
209	J 1	J 1	15	17	1	0	52	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Natural regen in old harvest area (sale # 8-89): J0-J3 with good oak stump sprouts, WP &amp; BF small pole residual, U/G inclusions, and small pockets of A3 on S edge. Averaged to J1 by including other regen spp. Stand surrounds E1/2 of trenched and planted JP stand 9 and was not planted along with it because of the residual stems and natural regen and areas of low ground. Used stand 9's SI.</p>														
213	V 0	V 0	2			0		bog or muskeg	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Bog with tag alder, salix, wool grass, spruce.</p>														
215	L 2	L 2	2		1	0		lowland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Tag alder bog being filled in from edges with swamp conifers. Is part of Lease A-29, expiring 2011 on former Consumers Power property.</p>														

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Stand	Cover Type-Size 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
237	A 6	W 1	2	38	6	70	77	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : This stand is included as part of stand 37, split off by leased stand 137: Trembling aspen and BTA clones, with RP &amp; NPO sawtimber in pockets &amp; as scattered individuals, small tag alder bog inclusions, areas with thick WP sm poles and lg saps, other areas with BF below. "W1" understory coding is a composite of the BF &amp; WP regen. N peninsula cut between '73 &amp; '76 in sale #14-73A, but bulk of stand was reportedly cut in '69 by Consumers Power Company when it was still their property, except for a chain-wide strip of aspen on the W line near a small stream (is now very overmature TA). Plots 4-10 landed in stand 137 that was split out because that area is encumbered by leases due to expire in 2011 and currently have cabins on them. Stand 237 borders the north side of the White Pine State Forest Campground. Previous comments: "CUT BY CPC LEFT 1 CHAIN STRIP A6 NEXT TO WEST BOUNDARY POCKETS OF R8". Previous SI on aspen: 55.</p>														
247	Z 0	Z 0	4			0		water	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : The AuSable, a designated Natural River.</p>														
315	A 4	F 1	6	39	6	30	80	aspen (upland)	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : Mixed stand of small diam TA poles with v. overmature JP dying out above and spruce mixing in at the swamp edge. Stand is part of Lease A-38, expiring 2011, on former Consumers Power property. It has a maintained cabin and yard near the AuSable - a designated Natural River. Used stand 12's SI.</p>														
400	G 0	G 1	18			0	48	grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Big &amp; little bluestem, sweetfern, some knapweed. Piles of pushed-over trees at margins. Maintained WL opening? Old comments: "WAS NATIONAL GUARD HELICOPTER PAD".</p>														
401	G 0	G 0	3			0	50	grass	old growth (potential or actual)	N		not scheduled	0	
<p>comnts Fmd : White Pine State Forest Campground; maintained by the Roscommon FMU. Camper access is by canoe only, from the AuSable, a designated Natural River. Stand is a mowed &amp; maintained facility with scattered NPO, WP, RP, aspen &amp; U around campsites.</p>														
<b>Total Acres.....</b>													<b>1840</b>	