

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

Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	O7	U1	7	90	10	10	49	oak	sparse	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Inadequate volume due to low stocking/small diameter/etc.</p> <p>comnts Fmd : JP removed from part of stand in '05 (48-03-01). Very sparse stand, ~10 BA poor health/quality NPO, RP of all age/size classes, and 1 stick JP & TA. Little bit of aspen regen in places, but largely U/G. West edge within Natural River corridor, HCVA. See locked comments. Used previous SI.</p>														
2	R4	A2	43	52	8	20	58	red pine	in process of regeneration	N		40-49 years	0	
<p>comnts Fmd : Cut in 2006 (0480301), removing JP, aspen & RM, leaving all oak and red pine. Older oak dying back, nice large sap oak, RP of all size classes. Regen is a mix of aspen, oak and JP. Frost damage in the aspen.</p>														
3	J3	G1	176	18	3	0	51	jack pine	old growth (potential or actual)	N		30-39 years	0	
<p>comnts Fmd : Big Creek KW management unit, HCVA. Cut in '85, planted in 1991 in opposing wave pattern, except NW of snow trail which was straight planted. Used previous SI.</p>														
4	J5	O2	19	53	8	70	49	oak	old growth (potential or actual)	N	final harvest	within 0-9 years	2	natural regeneration
<p>comnts Fmd : Big Creek KW management unit, HCVA. JP poletimber with small amount of RP, NPO, WO & TA mixed in. Nice oak saps. Remove merch JP to release oak. Used previous SI.</p>														
5	N0	N0	15				0	marsh	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Marsh grass/rushes in standing water, rimmed by L (spiraea & salix).</p>														
6	J3	G1	151	18	3	0	51	jack pine	old growth (potential or actual)	N		30-39 years	0	
<p>comnts Fmd : Big Creek KW management unit, HCVA. Cut in 1984, planted in 1991 in the opposing wave pattern. Some TA to SE. State land does not extend to cleared Consumers Power corridor (they did not clear their entire ROW).</p>														
7	U2	O1	15		1	0		upland brush	sparse	N		30-39 years	0	
<p>comnts Fmd : Cut in 2006 (0480301). Scattered resid NPO & RP. Some oak saps, but coverage is largely U/G. Previous comments noted: "Use this stand as the fuelbreak instead of west of the transmission line . . .do not replant".</p>														
8	A2	O1	26	15	2	0	50	aspen (upland)	old growth (potential or actual)	N		30-39 years	0	
<p>comnts Fmd : Big Creek KW management unit, HCVA. Windthrown trees salvaged under two sales in 1993. Low-density resid oak, JP & aspen over a nice mix of natural regen (aspen, JP, oak & RM). Regen sparser south of Williams Rd, with more U/G. "A2" is a composite of all regen. Used previous SI.</p>														
9	O7	O3	7	90	12	40	50	oak	sparse	Y		30-39 years	0	
<p><u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood)</p> <p>comnts Fmd : Previous notes indicate "wind blown trees were salvaged in 1993 from wind storm". Mostly low-forking, multiple-stem NPO clumps & wolfy WO resid over a nice mix of natural regen (oak, RM, and aspen). Grouse brood. Used previous SI.</p>														
10	A2	U1	33	4	1	0	50	aspen (upland)	old growth (potential or actual)	N		30-39 years	0	
<p>comnts Fmd : Cut 2005 (0480301). Variable regen coverage (aspen with U1/O1 inclusions), along with resid from cut (small JP, RP and aspen poles). Big Creek KW management unit, HCVA. Used stand 8's SI.</p>														

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					D B	Tot. BA								
11	J6	O2	19	56	8	100	50	oak	old growth (potential or actual)	N	final harvest	within 0-9 years	2	natural regeneration
comnts Fmd : Big Creek KW management unit, HCVA. Fairly uniform, self-pruned poles. Nice oak regen (mostly WO). Previous notes: "Did not cut last time; hold until stands 3 and 6 are cut". The stand isn't likely to hold (in terms of maintaining health/volumes) for 30 years. If compatible with the KW plan, consider final harvesting now.														
12	R2	R2	14	15	1	0	49	red pine	old growth (potential or actual)	N		30-39 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Cut in 1992, planted to red pine in 1994. RP largely overtopped by deciduous regen competition (cherry, aspen & oak) & JP. ~ 1-foot of internodal growth/yr. Previous notes: "herbicide to release the red pine". Stand 112 is rest of type split off to south. Used previous SI.														
13	N0	N0	13			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh with some open water, surrounded by L (salix, spiraea, swamp birch, tag alder). Island in center burned?														
14	U2	J1	9	32	2	0	51	upland brush	immature	N		30-39 years	0	
comnts Fmd : U/G type (cherry, hawthorn & amelanchier) with brushy JP & RP and aspen pockets. Old notes indicate that it was cut by timber sale in 1977. Maintained previous SI.														
15	A5	U2	87	45	7	50	54	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Previous notes indicate that the area was KG bladed in 1963. The resulting stand is highly variable, with multiple age/size classes of aspen (older resid that wasn't run over, poles regenerated the year after the blading, and younger poles/large saps as the clones continue to colonize U/G inclusions). Stand is a real mixed bag; in addition to the variable aspen, there is JP, RP, WP, balsam fir, etc. in small inclusions and as scattered individual stems. Some top die-back in the oldest aspen component. A lot of bear sign. Used previous SI. See locked comments.														
16	Q6	F2	77	109	8	80	44	mixed swamp conifer	immature	Y		10-19 years	0	
Treatment Limiting Factors: Deer yards														
comnts Fmd : Carried over previous data; see locked comments.														
17	J4	J2	11	53	8	20	49	jack pine	old growth (potential or actual)	N		30-39 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Salvaged in '93 following tornado (0299302), bent/broken stems. Variable distribution of JP poles & scattered RP saw over JP & oak saps and lg sap/small pole RP (possibly fill-in planted in '94). Used previous SI on the mature JP. J2 is a combo of all regen. Stand 117 is the rest of the type across the utility corridor.														
18	J5	U1	27	55	7	60	50	jack pine	old growth (potential or actual)	N		10-19 years	0	
comnts Fmd : North part of stand is within the Big Creek KW management unit, HCVA. Lower stocking, more variable and open-grown than stand 11. JP poles with occasional saw. TA mixed in. Narrow strip of older JP rimming the L/Q types to southeast. Used stand 118's SI.														
19	U2	J1	26	32	3	0	46	upland brush	immature	N		30-39 years	0	
comnts Fmd : U2 working its way toward J4. Cherry, some serviceberry, with short, brushy JP, occasional JP & RP poles, and small pockets of TA regen.														
20	U1	U1	7	15	1	0	47	upland brush	sparse	N		40-49 years	0	
comnts Fmd : Salvage cut after windstorm in 1993. Old notes indicate: "let cherry brush and oak take over and use as a fuelbreak". Stands 85 & 86 are in the same salvage area.														

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								
21	N0	N0	2			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh grass, standing water, with salix, spiraea, tag alder. Stand line brought out to west to pick up smaller similar L-type.														
22	A5	U2	6	46	7	50	55	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : TA on ground close to the water table, with the NW seasonally flooded and an intermittent drain cutting through. Size classes range from large sap to small saw. Used previous SI.														
23	Q5	F3	13	89	8	50	47	mixed swamp conifer	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Deer yards														
comnts Fmd : Was in the same harvest boundary as stand 24, but the contract expired before this north unit was cut. Scattered short NWC & spindly black spruce poles over large sap balsam fir and tag alder. Sphagnum moss groundcover on open root mat over black muck, standing water. Drier to N, with TA mixing in. Used previous SI.														
24	Q4	Q3	10	39	4	40	47	mixed swamp conifer	immature	N		80+ years	0	
comnts Fmd : Large sap/small pole BS, BF & tamarack with occasional large pole/small cull saw NWC. Tag alder over sphagnum groundcover on open root mat with black mud/standing water. Sparse areas and L-type inclusions (particularly to the west side). Merchantable softwood was removed over most of the stand under timbersale 006-83A until the sale expired in 1986. Used previous SI.														
25	R6	G0	15	45	7	80	61	red pine	immature	N		10-19 years	0	
comnts Fmd : RP plantation third-row thinned in 2006 (72-049-03-01). Highly variable stocking; was planted around residual oak, and had inclusions of JP. Aspen inclusions are primarily west of the snow trail. If the adjacent aspen stand 22 is cut next YOY, consider final harvesting this stand west of the snowmobile trail and converting that portion to aspen. Used my SI taken in the rest of the plantation in compt 22.														
26	R8	F2	3	90	18	70	53	red pine	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Influence zones														
comnts Fmd : Small two-storied stand at the corner of Pickerel Lake and Henning Roads. Scattered RP saw above second canopy of poles (RP, WP, RM, BF & TA). Used previous SI														
27	A6	F2	27	42	7	80	50	aspen (upland)	immature	N	final harvest	within 0-9 years	2	natural regeneration
comnts Fmd : Old notes indicate the stand was KG bladed 1966. Variable stocking, TA on ground close to the water table. Higher ground with JP on the N end near the WL openings, then grading down to the swamp, with L/Q inclusions, and seasonally-flooded areas. Aspen makes up roughly half the volume, with balsam fir, RM, JP, WP and RP making up the rest. Some nice oak poles. Hypoxylon present. Woodcock brood. Final harvest 2" and up except the oak and few large RP & WP saw. Winter cut, maximize horizontal cover, leave tops, fell marked boundary line trees into adjacent stand 38. See locked comments regarding where not to put landing. Used previous SI.														
28	J3	J3	24	22	3	0	52	jack pine	old growth (potential or actual)	N		10-19 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Old notes indicate planted in 1987 . . . treat in 2021. JP not planted to opposing wave pattern. Planted around scattered resid JP poles.														
29	J5	O1	44	70	8	50	49	jack pine	old growth (potential or actual)	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Threatened, endangered, and special concern species/communities														
comnts Fmd : Big Creek KW management unit, HCVA. 2-aged JP stand, mortality in the overmature JP. Pockets of TA to N & NE, more oak mixed in to the N, and some wind-thrown JP along Henning Rd. Old notes: "Hold and cut the whole block in 20 years. Then the J3 will be 34 years old and big enough to cut. This block if cut then will be thirty years younger than blocks 3 and 4 and 25 years younger than blocks 1 and 2. Just about the time blocks 1 and 2 are getting to big for nesting." Used previous SI on the older JP component.														

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30	R 8	U 1	12	89	18	50	52	red pine	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Threatened, endangered, and special concern species/communities</p> <p>comnts Fmd : Big Creek KW management unit, HCVA. Previous notes indicate to cut in 2021. Open-grown RP & oak saw with some RP, JP & oak poles & saps, but generally open below. Used previous SI.</p>														
31	J 3	J 3	67	22	3	0	52	jack pine	old growth (potential or actual)	N		10-19 years	0	
<p>comnts Fmd : Big Creek KW management unit, HCVA. Previous notes indicate that it was planted in 1987, that part of it burned in a wildfire (west center), and to cut it in 2021. The 1987 planting filled in open areas, with swaths of residual JP & RP inclusions. Used previous SI.</p>														
32	J 5	U 1	28	61	7	60	40	jack pine	old growth (potential or actual)	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Threatened, endangered, and special concern species/communities</p> <p>comnts Fmd : Big Creek KW management unit, HCVA. Previous notes indicate to cut the stand in 2021, and that a wildfire burned part of the stand. Variable age & stocking in JP poles, pockets of RP, U/G inclusions, small pockets of J3 planted in 1987. Stand 132 is that part of the type split off to the west. Used previous SI.</p>														
33	S 3	S 3	5	35	3	0	48	black spruce-swamp	immature	N		not scheduled	0	
<p>comnts Fmd : Black spruce regen on sphagnum matt. Scattered spruce and spindly tamarack poles. Tag alder in openings.</p>														
34	A 2	A 2	25	3	1	0	52	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : Cut in 2006 (72-050-03-01). Scattered oak and RP saw were left, mostly in the SE. Aspen, RM and oak regen; patchy distribution. Some frost damage on the trembling aspen. Used previous SI.</p>														
35	A 5	M 1	68	36	7	70	62	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Aspen clones separated by U/G and balsam fir inclusions. Variable treatment history, but ages are close enough to combine into one stand: Merch stems (mostly JP) were cut in the NW and SE portions of the stand in '84 (023-84 & 088-82A). Old notes indicate that the aspen in those areas had been "cut out earlier", and that the S end of the stand had been manually cut under FTP W-73 in 1973. Two main age classes of aspen occur within the stand (30's and 20's). Used previous SI on older component.</p>														
36	U 2	J 1	5	25		0	52	upland brush	sparse	N		10-19 years	0	
<p>comnts Fmd : U/G (mostly cherry) filling in with brushy JP, RP & BF. Progressing toward J4. Part of '84 harvest area (088-82). Used stand 66's SI.</p>														
37	F 5	F 2	12	49	5	40	49	spruce-fir (uplands-including upland black spruce)	immature	N		30-39 years	0	
<p>comnts Fmd : Large sap/small pole balsam fir on dry ground, grading down to the swamp. Some overmature JP (mostly snags now). Budworm damage on the BF. Used previous SI.</p>														
38	C 5	F 3	65	94	8	60	48	cedar	two aged	N		10-19 years	0	
<p>comnts Fmd : Short NWC (thinning crowns) with younger spruce and tamarack poles and thick balsam fir saps below. The north edge is drier, with mostly spruce and fir. Slightly higher ground inclusions have E/W. Two wildlife strip cuts were noted as having been done in 1972, about a chain wide and 10 chains long, running E-W parallel to each other, starting from the gas pipeline. Still visible on the 2005 imagery but did not type out. Used previous SI</p>														
39	L 3	L 3	31		2	0	40	lowland brush	immature	N		40-49 years	0	
<p>comnts Fmd : Low ground with tag alder and balsam fir, scattered NWC and small pockets of Bam & TA. Grades into adjacent swamp type. Kept previous SI.</p>														

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															Classes
40	A 5	F 2	90	45	8	60	65	aspen (upland)	immature	N	final harvest	within 0-9 years	2	natural regeneration	comnts Fmd : Ownership cards show that the area has a long, varied treatment history (portions treated by salvage/removals in the 50's & 60's, KG blading in the mid '60's, manual cutting by Wildlife FTP in '72). Aspen with RM, PB, WP & RP on mostly dry ground with L/Q/P mixing in along the stand's wide transition zone with adjacent lowland types. Dense large sap/small pole balsam fir in the understory across much of the stand, with inclusions of majority fir coverage. Far southwest corner is on a dry ridge, with bigtooth aspen, oak and RP. Two intermittent drains cross through the type west of Pickerel Lake Rd. The stand is on ground close to the water table, with parts experiencing seasonal flooding during snowmelt. The increasing balsam fir component is a concern in maintaining the aspen management objective. Harvest all stems 2" and up. Leave the super-canopy WP & RP trees that occur in small clumps along Pickerel Lake Road. If prescription approved, harvest stand 50 at the same time. Winter cut, maximize horizontal cover, leave tops, fell marked boundary line trees into adjacent stand 16. Retention priority is along drains. Used previous SI. See locked comments regarding where not to put landing.
41	N 0	N 0	2			0	40	marsh	nonstocked	N		not scheduled	0		comnts Fmd : Emergent grasses, standing water, with L at margins (tag alder, salix).
42	J 5	O 2	6	53	8	40	46	oak	old growth (potential or actual)	N	final harvest	within 0-9 years	2	natural regeneration	comnts Fmd : Big Creek KW management unit, HCVA. Two-aged JP, mortality in the older stems. Nice oak saps (mostly WO). Remove the merch JP, releasing the oak regen.
43	J 5	F 2	14	29	7	50	49	jack pine	immature	N	improvement	within 0-9 years	2		comnts Fmd : Dry ground grading down to swamp. Heavy lg sap/small pole BF just below the short JP poles. Some TA along PL Rd., few SCRP. Final harvest patches/strips near the swamp (stand 16) in conjunction with the adjacent aspen harvest (stand 40) and/or by WLD FTP. Winter cut, maximize horizontal cover, leave tops, and drop marked boundary line trees into the adjacent swamp (stand 16).
44	O 7	A 2	14	90	15	30	51	oak	sparse	Y		30-39 years	0		<u>Treatment Limiting Factors:</u> Retention of stand for regeneration purposes (ie. shelterwood) comnts Fmd : Cut in 2005 (720480301) all RM & aspen. Wolfy WO & NPO residual, with RP of all age classes and scattered JP, over TA and RM sprouts. Maintain overstory for shelterwood purposes. Used previous SI.
45	E 2	A 1	10	15	2	0	54	swamp hardwoods	immature	N		40-49 years	0		comnts Fmd : Cut in '94 (20-91-01) merch stems. RM & TA stems following harvest, along with resid (small pole RM, TA, & BF). Tag alder and F2 inclusions, sedges, blue flag iris. Regen would have been less patchy if the cut was spec'd 2" & up. Used previous SI.
46	A 9	F 2	29	68	9	80	59	aspen (upland)	mature	Y	final harvest	within 0-9 years	1	natural regeneration	comnts Fmd : The stand has two narrow black ash/NWC swales cutting through it along the intermittent streams, but other than that, it is relatively dry. While typed Aspen, there is about equal parts TA, RM & RP, with somewhat lesser components of paper birch and JP. The aspen and RM saw is largely cull. There is thick BF in the stand's east half, between the two drains. The west half is more upland, with inclusions of RP in the NW. Final harvest in order to maintain the aspen, leaving the scattered oak, and focusing retention along the intermittent drains. Mark some RP to leave for visual along the two-track down to Pickerel Lake. Aspen core difficult to age. Previous age was 1920 on the aspen. Averaged current SI with previous.
47	Z 0	Z 0	8			0		water	nonstocked	N		not scheduled	0		comnts Fmd : Pickerel Lake. Drive-in backcountry campsite at the SE end.
48	E 4	M 2	18	15	7	40	52	swamp hardwoods	immature	N		30-39 years	0		comnts Fmd : Most of it cut in '94 (20-91-01) merch stems, although some RP & WP small sawtimber was left. Primarily small pole residual from the cut (WP, RM, paper birch, TA) over RM, TA and Balsam fir regen. Stand also has open wet-meadow inclusions, and the SW edge incorporates an uncut swale of black ash & aspen. Used previous SI.

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					B	Tot. BA								
49	Z0	Z0	1			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Small pond, numerous snags, yellow water lilly.														
50	J9	M1	9	89	10	80	48	aspen (upland)	two aged	Y	final harvest	within 0-9 years	2	natural regeneration
comnts Fmd : Small stand near flooding and pond. J7 in very overmature JP saw above A/M/O5 (some larger cull RM along with younger poles, TA, and some nice large sap/small pole oak). Previous notes indicated allowing the JP die out and letting the RM & oak take over, out of concern for damaging the residual. I think there is enough room to work around & protect the oak component, which would benefit from the overstory release. Harvest at the same time as the adjacent aspen stand 40. Cut all JP, aspen & RM. Leave all oak, and buffer the wetland interface. Regen will be a mixture of aspen & RM along with the residual oak. Used previous SI.														
51	U2	J1	5		2	0	51	upland brush	immature	N		40-49 years	0	
comnts Fmd : Cherry, amelanchier with scattered brushy JP.														
52	P5	F2	26	35	6	70	52	balsam poplar & swamp aspen and swamp white birch	immature	N		10-19 years	0	
comnts Fmd : A/P/E on ground close to the water table, areas seasonally-flooded, small inclusions of L (tag alder). Drier near powerline, with JP mixed in. Lower ground to SE, more black ash & bam there. Balsam fir in the understory, also bands of almost exclusively BF coverage. Used previous SI.														
53	E8	F3	37	104	9	50	48	swamp hardwoods	two aged	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Too wet														
comnts Fmd : The west third of this stand was set up for harvest under 72-050-03-01 but was dropped from the contract due to access problems. The contract was amended, a variance approved, and limit factor added. See notes in closed tsale folder for complete background. The area within that intended harvest boundary was mostly dry this summer, but it is bounded by a drainage to the N & E and a tag alder swale to the W & S. There is E7 in overmature cull RM, BF & TA, with about as much pole-sized aspen, red maple, and spruce/fir mixed in, along with scattered RP of all sizes. Thick BF regen filling in below. I did not take plots east of the drainage; based on the imagery, that area is a mosaic of at least seasonally-dry ground (with E-type coverage similar to west of drainage) and lower ground with E/L/Q. Used previous SI														
54	A5	M2	22	37	6	60	60	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : TA pole stand with RM & WP poles and saps. Scattered old RP saw. Seasonally wet areas. Large sap/small pole WP is concentrated toward the stand's S third, but much of that WP has died out. Used previous SI.														
55	J5	U1	58	39	6	60	50	jack pine	old growth (potential or actual)	N		10-19 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Large sap/small pole (generally 1-2 stick) JP, some areas more open, with small inclusions of TA. Used previous SI.														
56	J3	G1	353	13	2	0	50	jack pine	old growth (potential or actual)	N		40-49 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. JP planted in the opposing wave pattern. Used previous SI														
57	J5	U2	24	44	7	70	50	jack pine	old growth (potential or actual)	N		10-19 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Primarily JP poles, less than 10 BA small JP saw. Suppressed stems weeding out. Pockets of nice oak saps, but not widespread coverage. Used previous SI.														

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58	J6	U 1	11	53	7	90	48	jack pine	immature	N		10-19 years	0	
comnts Fmd : JP with TA, BF & cherry mixed in. Variable: mostly small poles, but ranging up to saw (minority of stems). Younger poles S of Henning Rd. Used previous SI.														
59	Z0	Z0	2			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : Small ponds on powerline corridor. Salix at edges.														
60	P5	L 1	17	50	7	40	54	balsam poplar & swamp aspen and swamp white birch	old growth (potential or actual)	Y		not scheduled	0	
<u>Treatment Limiting Factors:</u> Influence zones														
comnts Fmd : As seen from across the Middle Branch of Big Creek: A narrow band of TA, bam, BF & RP on steep sideslope extending down to the floodplain, left when the adjacent uplands were cut. Beaver activity along the creek. Within Natural Rivers zone, HCVA. Data updated from previous records.														
61	J5	U 1	71	48	7	60	45	jack pine	old growth (potential or actual)	N	final harvest	within 0-9 years	2	planting
comnts Fmd : Two-aged JP stand bordering the Middle Branch of Big Creek (Natural River, HCVA), on high ground dropping down a couple terraces to the floodplain. Variable stocking, J6 to J4, with a second age class of overmature JP saw, U inclusions, old fire plow lines, scattered RP, and aspen along the floodplain and at the far south end. Set stand age to younger majority pole component. Survey corner BT's at S end. Entrance to Walsh Road Trail Camp crosses through, along with an access road down to the creek. Final harvest that part of the type east of Walsh Road. In addition to the Natural River's set-back, leave retention pockets along access road to water hole. Leave all RP or WP. See locked comments														
62	L2	G 0	28			0	0	lowland brush	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : L/N on floodplain along Middle Branch of Big Creek. Beaver activity. Tag alder, salix, spiraea, over marsh grass. Horse watering access point? with washed stone approach and fence in creek. Natural Rivers zone, HCVA.														
63	L3	L 3	14			2	0	42	lowland brush	immature	N	40-49 years	0	
comnts Fmd : Dense, tall tag alder with scattered large sap/small pole PB, BF & aspen.														
64	C6	F 3	48	94	7	70	48	cedar	immature	N		10-19 years	0	
comnts Fmd : Mostly cedar poles with tamarack, spruce & BF on sphagnum mat. Thick balsam fir regen; tag alder in opener areas. Cedar tops thinning, some dieback occurring.														
65	L3	L 3	3			2	0	42	lowland brush	immature	N	40-49 years	0	
comnts Fmd : Tag alder with low-density Q (BF & NWC) between marsh and swamp.														
66	J3	J 3	15	22	3	0	52	jack pine	old growth (potential or actual)	N		10-19 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Planted JP (not opposing wave pattern) with small pockets and scattered stems of residual JP, RP, NPO & aspen. Previous notes: "Cut in 20 years (2021 YOE) with the rest of the stands in this block".														

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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
67	J6	O 1	11	70	9	90	49	jack pine	old growth (potential or actual)	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Threatened, endangered, and special concern species/communities														
comnts Fmd : Big Creek KW management unit, HCVA. Covertypes shifting to RP as the overmature JP continues to drop out of the stand. Stand has JP poles and overmature saw, RP of all age classes, aspen and oak. Understory is a mixture of WP, RP & nice large sap oak. Previous notes: "Hold and cut the whole block in 20 years (2021 YOE). Then the J3 will be 34 years old and big enough to cut. This block if cut then will be thirty years younger than blocks 3 and 4 and 25 years younger than blocks 1 and 2. Just about the time blocks 1 and 2 are getting to big for nesting." Used previous SI.														
68	U2	J 1	5	25		0	52	upland brush	sparse	N		10-19 years	0	
comnts Fmd : U/G (mostly cherry) filling in with brushy JP, RP & BF. Progressing toward J4. Part of '84 harvest area (023-84). Used stand 66's SI.														
69	J5	J 1	5	39	7	50	50	jack pine	old growth (potential or actual)	N		10-19 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Narrow horseshoe of J5 left for visual along county road within large KW block. Used previous SI														
70	A6	U 1	2	58	8	100	51	aspen (upland)	immature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Threatened, endangered, and special concern species/communities														
comnts Fmd : Big Creek KW management unit, HCVA. TA clone with a core of overmature cull stems surrounded by younger age classes of poles. Is a small inclusion within stand 55's JP; manage concurrent with that stand. Used previous SI.														
71	L3	L 3	18		2	0	48	lowland brush	sparse	N		not scheduled	0	
comnts Fmd : L (tag, spiraea, salix) over marsh grass. N-type along 4' wide stream that wanders through the stand. P/Q mixed in along north finger.														
72	J3	G 1	19	18	3	0	51	jack pine	old growth (potential or actual)	N		30-39 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Cut in 1985; planted in 1991 in opposing wave pattern. Separated from stand 3 by the gas pipeline corridor. Used previous SI														
73	F5	F 2	4	49	5	40	49	spruce-fir (uplands-including upland black spruce)	immature	N		30-39 years	0	
comnts Fmd : Large sap/small pole BF on dry ground grading down to the cedar swamp. TA mixed in. Budworm damage, browning tops. Used previous SI														
74	J3	J 3	20	22	3	0	52	jack pine	old growth (potential or actual)	N		10-19 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Previous notes indicate planted in 1987 and plan to cut in YOE 2021. JP (not in opposing wave pattern) planted around residual JP & RP (mostly to S & W. Used previous SI														
75	N0	N 0	9			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Wet meadow/marshy segment of powerline corridor. Saturated soils, sedges, blue flag iris, lowland brush. Standing water in ruts; not drivable.														
76	N0	N 0	4			0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Wet meadow/marshy segment of pipeline corridor. Saturated soils, sedges, blue flag iris, lowland brush. Standing water in ruts; not drivable.														

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	avg.			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H	Tot. BA							
77	N0	N0	3			0	marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh with some open water, rimmed with L (salix).													
78	Z0	Z0	1			0	water	nonstocked	N		not scheduled	0	
comnts Fmd : Standing water in July, aspen snags. Floods larger area in the spring. Along Pickerel Lake Rd across from a finger of the Pickerel Lake Flooding.													
79	L2	L0	1			0	lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Finger of the Pickerel Lake Flooding. Some open water to the west, but mostly L (salix) with marsh grass, snags.													
80	A3	A3	7	16	2	0	54	aspen (upland)	immature	N	30-39 years	0	
comnts Fmd : Cut in 1992 (006-91) but not planted to red pine as the rest of the harvest area was. TA saps, with WP concentrated along the wetland edge. Used stand 15's SI.													
81	L2	G0	2			0	0	lowland brush	old growth (potential or actual)	N	not scheduled	0	
comnts Fmd : L/N on floodplain along Middle Branch of Big Creek. Tag alder over marsh grass, sedges, scattered aspen, BF. Natural Rivers zone, HCVA.													
82	N0	N0	2			0		marsh	nonstocked	N	not scheduled	0	
comnts Fmd : Marsh grass with spiraea, leatherleaf, iris, rimmed with sap/pole TA.													
83	A3	A3	1	4	2	0	54	aspen (upland)	immature	N	50-59 years	0	
comnts Fmd : Cut in late 2004 under compt 292 sale (720420301). TA regen. Bulk of type is to west in compt 292, stand 26; manage concurrent with that stand. Used that stand's SI.													
84	L3	G0	3			0	0	lowland brush	nonstocked	N	not scheduled	0	
comnts Fmd : Small swale with salix, alnus, spiraea, marsh grass, iris and a patch of open water. Rimmed by fading SCRP & WP. FIA or Forest Health monitoring plot on E side.													
85	A3	A3	3	15	2	0	55	aspen (upland)	immature	N	30-39 years	0	
comnts Fmd : Part of 1993 tornado salvage area, cut fall of '93 (37-93-02). BTA regen on hillside with low-density resid pole/small saw oak. Used SI from aspen stand to S on same soil type (USFWS 926).													
86	O2	A1	4	15	1	0	50	oak	immature	N	40-49 years	0	
comnts Fmd : Part of 1993 tornado salvage area, cut fall of '93 (37-93-02). Varying stocking in oak and aspen saps. Used stand 9's SI.													
87	L3	L3	4			0	0	lowland brush	nonstocked	N	not scheduled	0	
comnts Fmd : Mostly salix, lesser amounts of tag alder and spiraea, over marsh grass. TA along pipeline.													
112	R2	R2	9	15	1	0	49	red pine	old growth (potential or actual)	N	30-39 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Cut in 1992, planted to red pine in 1994. RP largely overtopped by deciduous regen competition (cherry, aspen & oak) & JP. ~ 1-foot of internodal growth/yr. Previous notes: "herbicide to release the red pine". Stand 112 is rest of type split off to south. Used previous SI.													

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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								
116	D4	D2	4	78	5	10	24	treed bog	sparse	N		not scheduled	0	
comnts Fmd : Treed bog. Spindly lg sap/small pole BS over thick sphagnum, leatherleaf, pitcher plant. Very slow growing.														
117	J4	J2	3	53	8	20	49	jack pine	old growth (potential or actual)	N		30-39 years	0	
comnts Fmd : Big Creek KW management unit, HCVA. Salvaged in '93 following tornado (0299302), bent/broken stems. Variable distribution of JP poles & scattered RP saw over JP & oak saps and lg sap/small pole RP (possibly fill-in planted in '94). Used previous SI on the mature JP. J2 is a combo of all regen. Stand 117 is the rest of the type across the utility corridor.														
118	J5	U2	6	55	8	60	50	jack pine	immature	N		10-19 years	0	
comnts Fmd : JP poles and small saw with TA mixed in -- is not much more than an inclusion within stand 15's aspen type and could be incorporated into stand 15 next YOE and be treated at the same time.														
122	A5	U2	18	46	7	50	55	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Uniform only in its variability: 3 age classes of TA (mostly poles with a minority of cull saw, and saps along the north edge), 2 age classes of JP (scattered and in small pockets), scattered oak seeding in nice regen, BF & BS near the Q & L types, and generous helpings of U/G. Used stand 22's SI.														
132	J5	U1	27	61	7	60	40	jack pine	old growth (potential or actual)	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Threatened, endangered, and special concern species/communities														
comnts Fmd : Big Creek KW management unit, HCVA. Previous notes indicate to cut the stand in 2021, and that a wildfire burned part of the stand. Variable age & stocking in JP poles, pockets of RP, U/G inclusions, small pockets of J3 planted in 1987. Stand 132 is that part of the type split off to the west. Used previous SI.														
146	O8	W2	12	87	11	60	51	oak	mature	Y		10-19 years	0	
<u>Treatment Limiting Factors:</u> Water quality/bmps														
comnts Fmd : Mixed upland oak/RM/aspen/pine stand wrapping around Pickerel Lake. WP filling in below. G-inclusion along S side. Drive-in backcountry camp sites, one each on N & S sides of Lake. Steep sideslopes down to water's edge. This type's boundary has a wide transition zone with the adjacent types; the stand boundary was drawn to define a buffer around the lake. Used SI from the rest of the oak type in comt 290.														
216	D4	D2	2	78	5	10	24	treed bog	sparse	N		not scheduled	0	
comnts Fmd : Treed bog. Spindly lg sap/small pole BS & tamarack over thick sphagnum, leatherleaf. Some off-site RP & WP, Very slow growing. Similar to stand 116, used that stand's SI.														
401	G0	G0	1			0	48	grass	nonstocked	N		10-19 years	0	
comnts Fmd : Grassy opening, old pine stumps, encroaching shrubby JP, & TA. Bear activity.														
402	G0	G1	2			0	48	grass	nonstocked	N		10-19 years	0	
comnts Fmd : Grassy opening filling in with U, brushy JP, TA, along Pickerel Lake Rd.														
403	G0	G0	4			0	52	grass	nonstocked	N		within 0-9 years	0	opening maintenance
comnts Fmd : Maintained WL opening, a handful of oak. Some clumps of big blue stem. Areas with thin grass coverage are being colonized by spotted knapweed. Previous notes indicate it was planted to rye grass.														

GRAYLING FOREST MGT UNIT

Stand Level Information

Compartment: 21

Entry Year: 2011

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Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	avg.		Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
				Age	D B H							
404	G 0	G 0	2		0	52	grass	nonstocked	N	within 0-9 years	0	opening maintenance
comnts Fmd : Maintained WL opening. Spotted knapweed colonizing thin areas. Old notes indicate it was planted to rye grass.												
405	G 0	G 0	2		0	55	grass	nonstocked	N	not scheduled	0	
comnts Fmd : Grassy opening with cherry, shrubby JP, big blue stem, sweetfern. See locked comments												
406	G 0	G 0	4		0	56	grass	nonstocked	N	within 0-9 years	0	opening maintenance
comnts Fmd : Maintained WL opening, handful of oak. Small amount of purple vetch. Bracken fern moving in from edges, spotted knapweed getting a foothold. Old notes indicate it was planted to rye grass.												
407	G 0	G 0	2		0	56	grass	nonstocked	N	within 0-9 years	0	opening maintenance
comnts Fmd : Maintained WL opening, small amount of purple vetch. Spotted knapweed colonizing thin areas. Old notes indicate it was planted to rye grass.												
408	G 0	G 0	1		0		grass	nonstocked	N	not scheduled	0	
comnts Fmd : Wellsite: plumbing, no pump. Arbor - St. Greenwood #A2-7.												
409	G 0	G 0	1		0		grass	nonstocked	N	within 0-9 years	0	opening maintenance
comnts Fmd : Former wellpad. Within KW unit. No plumbing. Mostly grass, some knapweed. Convert to maintained WL opening.												
410	G 0	G 0	1		0		grass	nonstocked	N	not scheduled	0	
comnts Fmd : Wellsite: plumbing, no pump. Arbor - St. Greenwood #C4-7. Primarily knapweed												
411	G 0	G 0	14		0		grass	nonstocked	N	not scheduled	0	
comnts Fmd : Cleared utility corridor. Lakehead gas pipeline.												
412	G 0	G 0	16		0		grass	nonstocked	N	not scheduled	0	
comnts Fmd : Cleared utility corridors. Lakehead gas pipeline and overhead powerline.												
413	G 0	G 0	2		0		grass	nonstocked	N	not scheduled	0	
comnts Fmd : Cleared utility corridor. Overhead powerline segment near Pickerel Lake Flooding.												
Total Acres.....			2440									