

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

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
1	J3	J3	20	30	3	0	46	jack pine	immature	N		30-39 years	0	
<p>comnts Fmd : Stand is a long, narrow depression, with two small wetland stands (99 & 100) in the bottom. The stand had merchantable JP, NPO and aspen cut in 1977-78 under #1-77A. The stand is dominated by a mix of natural regeneration: JP, NPO and aspen. There are both seed- and stump-origin oak saps. Pole-sized JP, aspen, NPO & RP are scattered throughout, with RP saw concentrated on the stand's east side (all residual from '77 cut). "J3" covertime is a composite of the JP, NPO and aspen regen. Used previous SI.</p>														
2	J3	X0	38	25	3	0	48	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Stands 2 & 302: JP regen, good stocking and health, planted in 1983 under FTP# C72-51 with stock from Wyman Nursery. Established at same time as stands 102 & 202 (planted with S. Mich Nursery stock that had poor survival rates). Potential for rough fescue. Old notes indicate historical KW use. Used previous SI.</p>														
3	J3	O2	18	2	0	0	40	jack pine	immature	N		60-69 years	0	
<p>comnts Fmd : The stand was cut under timbersale # 72-053-02-01 Oak Lake Road Jack Pine by Larry Baynham Forest Products for Northern Timberlands in 2004. The sale had been prepared through a marking contract and the blue line location was incorrect, resulting in a trespass (approximately 1 acre in size) onto private property to the north (Rich Brogan, owner). FTP# C72-523 was submitted in Oct '05 for planting poorly-stocked areas to JP. Portions of the stand were trenched and planted to JP in May of 2006, including part of the trespass area on the Brogan property. Areas with aspen regen (particularly to the stand's east side) were not planted within. Oak stump sprouts and oak seedlings/saps are scattered throughout. Used previous SI. Stand 303 is that part south & west of Pennsylvania Crossing Road.</p>														
4	J6	O1	26	60	8	90	47	oak	mature	Y	final harvest	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Variable size/density JP pole stand with very overmature JP saw, small inclusions of TA and BTA (also variable in age/size, with some very overmature stems). Nice oak seedlings and saps O1-O2. Some scattered NPO and RP. Final harvest the JP (1-stick and up) and aspen (2" and up). Retention: leave all oak and RP (~6% of BA). Goal is a mix of natural regeneration: oak, aspen and pine. Used previous SI.</p>														
5	O9	U1	11	90	13	130	65	oak	mature	Y		10-19 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p>														
<p>comnts Fmd : Mixed oak stand, with NPO to the west (and a pocket of windthrow) and better quality RO to the E & S (on slightly higher ground) with paper birch. Decent-health oak on the higher ground (took SI there). Hold this YOE if proposed treatments to the N are approved.</p>														
6	O8	M1	26	90	13	50	52	oak	sparse	Y	final harvest	within 0-9 years	2	natural regeneration
<p>comnts Fmd : NPO stand, progressively breaking up. Popular with fuelwood cutters. Contains <10BA each of JP saw & younger poles, TA, BTA & RM. Nice oak regen in pockets, but not enough to average out to O1. Some WP seeding in. Final harvest the oak, JP and aspen, marking to leave ~5 BA scattered or in clumps of the healthier oak for retention, and leaving all other pine. Goal is a mix of natural regen, including oak, aspen and pine. Used previous SI.</p>														
7	J6	O2	27	45	8	70	58	oak	mature	N	removal	within 0-9 years	1	natural regeneration
<p>comnts Fmd : 7 & 107: Mature JP poles with a component of very overmature JP saw. Pockets of recent mortality and windthrow. Minor component of NPO saw. Aspen inclusions with mature-to-overmature stems. Nice advanced oak regen, 01-03. Harvest the JP & aspen. Leave the oak and any other pine (~15% retention). Goal is to release the existing oak regen and also regenerate the aspen. Stand 107 is that part south of Oak Lake Road. Included along stand 107's southeast boundary is a strip of overmature TA. Used previous SI.</p>														
8	J2	J2	23	30	4	0	45	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Stands 102 & 202: J1/J2 with U/G inclusions common. Planted in 1983 under FTP# 72-51 at same time as stands 2 & 302, but with S. Michigan Nursery stock that was noted as being large, dry and in poor condition. Survivorship was low compared to stands 2 & 302 that were planted with Wyman Nursery stock. There are scattered pole-sized JP (mostly at the N end) that were residual from the '77 cut. Potential for rough fescue. Old notes indicate historic KW use. Used previous SI. Stand 8 was cut at the same time as 102 & 202, and although notes do not indicate that it was planted, it is very similar in structure and composition to those two stands.</p>														

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					B	Tot. BA								
9	J5	U1	12	47	7	40	53	jack pine	two aged	N		10-19 years	0	
<p>comnts Fmd : Variable size/age/stocking JP pole stand, ranging from 4-8" in diameter and 1-5 sticks tall, with a couple-acre inclusion of 20-year old aspen at the south end with older breaking up stems. Stand has some nice pockets of J6. Not enough oak regen to type out as the understory. Illegal ORV trail snakes through from NE corner of well site to private. Old RR grade also crosses through. Averaged SI and age with previous (1958-50).</p>														
10	J3	J3	91	21	3	0	57	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Stands 10 & 110: Planted JP regen, 3-5" diam. Was a mixed JP, NPO, aspen stand cut in '85, taking all merchantable stems. North half of stand planted under FTP# C-0707-181 in 1987; the FTP indicates that the south half of the stand was planted later. Areas regenerating to oak/aspen were avoided in planting; there is a couple-acre inclusion of that regen in the stand's south center, and another couple acres of that type to the SE was included with stand 9. Used stand 9's SI. Stand 110 is that part of the planting on the south side of Pennsylvania Crossing Road.</p>														
11	A3	A3	18	23	4	0	47	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : Was cut in '84, all merchantable aspen, JP & oak. Aspen stand moving into the pole class, a majority of the stems are just sub-merch. Inclusion of O2 stump sprouts to south center, small pockets of RP saw and J3, and U inclusions common separating the individual clones. Used previous SI. ORV trail crosses through from the NW.</p>														
12	J6	O2	117	55	8	70	47	oak	two aged	N	removal	within 0-9 years	1	natural regeneration
<p>comnts Fmd : Variable age/size/stocking JP in 3 classes: mature JP poles, young poles, overmature JP saw. Small inclusions of U/G and very overmature TA. O0-O3 in seedlings and saps. Half a dozen ground blinds. Averaged age & SI with previous. Harvest the merchantable JP & aspen in order to release the established oak regen and to regenerate the aspen. Retention: exclude from sale boundary the ~4-acre peninsula that extends into stand 16, and create a 1-acre island east of stand 14 (~4% of total area).</p>														
13	J3	J3	27	21	4	0	42	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : J3, planted 1987. Scattered RP residual. G inclusion at NW corner.</p>														
14	U1	U1	7	23	2	0	46	upland brush	sparse	N		not scheduled	0	
<p>comnts Fmd : Cut in '84 with stand 11, leaving a few scattered JP poles and RP saw. Short brushy JP filling in over sweetfern/grass.</p>														
15	R6	U1	9	44	8	170	61	red pine	immature	N	thinning	within 0-9 years	1	
<p>comnts Fmd : Stand 15 & 115: RP plantation. Variable stocking & areas of stunted trees where planted around a lot of residual NPO, TA & JP (primarily N of P. C. Road). ~10% of stems have moved into the saw class. Stand 115 is that part S of P.C. Rd. Third row thin. Dated plantation based on old records.</p>														
16	A8	O1	19	52	12	40	57	aspen (upland)	sparse	Y	final harvest	within 0-9 years	3	natural regeneration
<p>comnts Fmd : Small sparse mixed stand of overmature TA (more to N) and NPO, both recruiting into the CWD layer. JP mixed in along the boundary with stand 12. A strip of oak had been cut along the NW edge: there now are nice large oak stump sprouts. Both the aspen and oak are equally poorly represented in terms of BA; was typed as an aspen stand based on plot occurrence frequency by species. Harvest the merchantable JP, aspen and oak. Due to small stand size, do not leave retention other than the sub-merchantable stems. The goal is to regenerate the aspen & oak before it completely breaks up, and release the existing oak regen. Used previous SI.</p>														
17	R6	U1	3	44	9	160	62	red pine	immature	N	thinning	within 0-9 years	1	
<p>comnts Fmd : Planted in '64 (per old records). RP with ~1/3 of stems just crossed over into the saw class. Was planted around JP, NPO and old pine stumps. More oak residual to the north. JP saw limby, cull. Stunted RP around the residual. Some weevil damage and doubles, but generally decent quality RP. Third-row thin the RP, remove all JP, and cut only that oak needed to get through the rows. Stand 117 is that part south of P.C. Rd.</p>														

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					D	B								
18	A2	U2	77	25	4	0	55	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : Cut in '82 under #80-81A, all merchantable aspen, JP, RM & oak. Mostly TA moving into the pole class, with a majority of the stems just sub-merchantable, although the minority BTA component is growing better and could be typed as A6 already. Stand has scattered RP residual from the harvest. U/G inclusions with low-density aspen occur throughout the stand and - including pockets of oak saps and large stump sprouts - comprise ~20% of the stand area in an interlocking mosaic pattern. Typed 18 & 118 as A2 to reflect the lower- and non-stocked areas between A3 clones. 218 was left as A3 since it contains no U/G inclusions.. Stand 118 is that part south of Oak Lake Rd & west of Penn Crossing Rd, Stand 218 is east of Penn Crossing Rd. Used previous SI.</p>														
20	O8	W1	5	97	16	60	52	oak	mature	Y		30-39 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p> <p>comnts Fmd : Uncut island left when stand 18 was harvested. A little bit of everything in a small area: super-canopy RP & WP, oak saw, WP poles and saps, BTA, RM and paper birch. Given adjacent young stand and proposed treatments in the area, leave for now. Used previous SI.</p>														
23	U1	U1	15	25	1	0	55	upland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : U/G type, with mostly cherry but also serviceberry & hawthorn. Sweetfern and grass groundcover. Being colonized by TA, JP and NPO. Was within stand 25's 1982 harvest area.</p>														
25	A5	A2	121	29	5	40	55	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Aspen moving into the pole class, with U inclusions and areas of O2 common. Will be an A6 when the understory finishes recruiting. Was cut under #22-77-1 between 1977 and 1982, with most of the area cut over by 1979. Portions of the stand north of sec 16's E-W centerline were cut last. The contractor didn't cut an area completely before moving on and was noted to be "hopping around the sale leaving merchantable trees", resulting in variable age/size aspen, with pockets of older residual aspen scattered within the regenerating stand. Used the previous SI.</p>														
26	O2	A1	14	18	2	0	55	oak	immature	N		50-59 years	0	
<p>comnts Fmd : Cut in '91 under #014-90-1, all trees 2" and up. O2 over half of the stand, with U3 inclusions to the north and A3 to the south. Oak regen includes nice stump sprouts and seed-origin saps. Used previous SI.</p>														
27	O8	O1	163	88	15	50	52	oak	sparse	Y	final harvest	within 0-9 years	2	natural regeneration
<p>comnts Fmd : Varying mixture of NPO saw (low-density, declining, a lot on the ground) and aspen (mostly TA, ranging from poles to overmature saw). Old notes indicate that the oak was cut during 1967 to 1971 and mast trees were left. The stand has areas of nice oak regen (large stump sprouts and single saps) up to O3, but it averages only to O1. U inclusions are common. Two narrow bands of JP that were prescribed but not cut last YOY are also included within the stand. Cut all oak greater than 6" DBH, and all merchantable JP, aspen and RM. Leave the few RP & WP (<5BA). The goal is to salvage the mature-overmature trees, release the advanced oak regen and maintain aspen as a component within the stand. Retention: in addition to the residual oak and pine, create four 1-acre islands (three on an E-W line through the stand's S1/2 and one in the stand's N1/2, avoiding areas with good advanced oak regen. Used the previous SI. See locked comments.</p>														
29	J3	A1	21	2	0	0	47	jack pine	immature	N		50-59 years	0	
<p>comnts Fmd : Cut in 2004 under #720530201 Oak Lake Road Jack Pine by Larry Baynham for Northern Timberlands. Portions of the stand not regenerating to aspen were planted to jack pine in May of 2006 under FTP C72-523. Oak stump sprouts and cherry are mixed in with the aspen. Used previous SI.</p>														
34	A5	U2	51	35	7	60	67	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Old notes indicate that most of the stand was clearcut and then treated by FTP, with a stand year of origin of 1973. Mostly TA clones separated by U, with 1-acre U inclusions common in the form of ice-contact kettle holes (some steep) especially in Stand 34's E half, and a pocket of WP & RP poles and small saw along Centerline Road. There are areas with nice tall oak saps, but doesn't reach O1 overall. The south half of the same treatment area contained more U acreage (split out as stand 35) and stand 134's boundary picks up most of the small TA clones scattered across that U type.</p>														
35	U3	O1	43	35	1	0	67	upland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Was in the same treatment area as stands 34, 134, 50 & 150. Primarily cherry brush with pockets of O3 in large saps (especially to the E edge). Also includes <1-acre TA clones that couldn't practicably be picked up by stand 134's boundary. Stand has NPO saw scattered along its margins. Used adjacent aspen type's SI.</p>														

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					D	Tot. BA								
39	A3	O 1	8	26	4	0	54	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was cut in '81 under #1-81A, all merchantable aspen, RM, JP and oak, leaving all RP & WP. Was low-density cover to start with, with <10 cords to the acre removed. The predominant U cover was split out as stand 40. Aspen clones were delineated as stands 39, 139, 239, 339 and 338. A lot of stems are still sub-merchantable. Would type out as A4 if went with the merchantable component, but is acutally A3 partially-transitioned to A6, so the just sub-merchantable majority component was featured. Individual clone health varies, with growth and vigor influenced by the amount of residual stems from the '81 cut and the presence of hypoxylon. There are nice oak saplings below; in the more unthrifty clones, the oak will become the dominant stems. Used the previous SI; SI taken on this young aspen seemed unrepresentatively high. NOTE: Along the stand's West edge against private is a long narrow uncut triangle with scattered NPO, RP and mature aspen, left as a result of the timbersale boundary being run to an incorrect marker in the stand's SW corner. A pin was later set to the west by a private surveyor (JFO 19840), with a 5' tall pipe nearby.</p>														
40	U2	U 2	96	26	1	0	54	upland brush	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Was cut in '81 under #1-81A, all merchantable aspen, RM, JP and oak, leaving all RP & WP. Was low-density cover to start with, with <10 cords to the acre removed. The predominant U cover was split out as stand 40. Primarily cherry brush, but some salix, amelanchier (more to S), small pockets of O3 saps, scattered TA regen, and RP saw (<10 BA). Aspen clones were delineated as stands 39, 139, 239, 339 and 338. NOTE: Along the stand's West edge against private is a long narrow uncut triangle with scattered NPO, RP and mature aspen, left as a result of the timbersale boundary being run to what was later found to be an incorrect marker in the stand's SW corner. A pin (more recent?) was set to the west by a private surveyor (JFO 19840), with a 5' tall pipe nearby.</p>														
46	A5	O 1	35	35	7	40	46	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Old notes indicate that all aspen, red maple, paper birch, pin oak, and JP >9" DBH were clear cut south of Penn Crossing Road in '72 under #34-72. Stand 46 has variable stocking in TA, with some dense clones but patchy coverage overall, with U/G inclusions (including a deep kettle hole along Penn Crossing Rd), small JP pole inclusions, and areas of nice oak saps. NOTE: Also included is an uncut strip along the PVT line to the west and southwest with mostly NPO saw and RM. No survey marker was located, although two intersecting cut lines were found. Some fence posts and pvt signs appear to be in trespass if the cut-line intersection is at the actual property corner. Used previous SI.</p>														
48	J6	O 2	3	52	9	130	60	jack pine	two aged	N		10-19 years	0	
<p>comnts Fmd : Old notes indicate that all aspen, red maple, paper birch, pin oak, and JP >9" DBH were clear cut south of Penn Crossing Road in '72 under #34-72. Stands 48 & 148 have JP poles with pockets of very overmature saw (much cull). Nice oak saps below. Given small acreage, consider cutting when adjacent aspen is harvested. Used stand 49's age & SI.</p>														
49	J6	U 1	8	52	9	100	60	jack pine	two aged	N		10-19 years	0	
<p>comnts Fmd : JP poles (a lot of porky damage) with overmature, limby, often cull JP saw and <10 BA RP saw. Mortality in the oldest JP. Due to small stand size, consider cutting when the adjacent aspen is harvested. Based stand age on younger majority pole component.</p>														
50	A5	O 1	53	35	7	60	67	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Stand 50: Old notes indicate that this stand (and 150) was in the same treatment area as stands 34 & 134, with '73 as the year of origin. Denser aspen clones in the E1/2, with the U-inclusions separating the clones getting wider as you go west and the aspen quality also decreasing. Stand 150 was split off by stand 49 and has the most U, with larger cherry and isolated small aspen clones, so typed as A4 to reflect lower- and non-stocked areas. NPO saw occurs at low densities in both stands. Used more conservative SI taken in stand 150.</p>														
52	W9	U 1	2	56	13	170	60	white pine	low quality	N		10-19 years	0	
<p>comnts Fmd : Not cut when aspen circa was in '72. Small stand of pine of varying species, size and quality. WP generally limby, forked, weeviled, twisted. Porky damage common. The RP is in better condition. Some JP and RM, even a few small paper birch and aspen. Based stand age on medium WP saw, but this is a multiple-aged stand with older and younger pine components.</p>														
54	U2	O 1	19	35	1	0	46	upland brush	sparse	N		not scheduled	0	
<p>comnts Fmd : Cherry (some 1+ sticks, but gnarly), pockets of nice oak saps, inclusions of JP and aspen, over sweetfern groundcover. Used adjacent aspen stand's SI.</p>														
55	W6	U 2	2	56	9	120	60	white pine	low quality	N		10-19 years	0	
<p>comnts Fmd : Small WP stand left when the adjacent aspen was cut in '72. Generally short, limby, forked WP poles and saw. A few TA stems mixed in. Used stand 52's SI and age; although this stand is heavier to poles, it is also multiple-aged.</p>														

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					B	Tot. BA								
56	R 9	O 1	14	52	12	70	65	red pine	two aged	N		10-19 years	0	
<p>comnts Fmd : Mixed stand of RP, JP and WP, left when the adjacent aspen stands were cut in '72. Within the stand is also scattered cull TA, RM, and nice oak saps.</p>														
57	R 6	G 0	16	44	9	160	57	red pine	immature	N	thinning	within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u> Adjacent landowner denies access</p> <p>comnts Fmd : Old notes indicate planted in '64. ~1/3 of stems just moved into the saw class. Some defect (porky, weevil, doubles) but nowhere near stand 61's level. Decent-quality overall, with poorer stocking where planted around residual RM, TA & JP (more to E1/2). Third-row thin. Was prescribed last YOE but not treated due to access issues - - is in a block of state land surrounded by private. If access for managing the W1/2SW of section 20 cannot be obtained, recommend disposal of the parcel.</p>														
58	A 3	G 0	20	22	3	0	46	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : All merchantable aspen, JP and oak in the 80-acre block of state land were cut between '84 and '86 under #107-84-1. Was low-medium stocking to start with and included U/G. Split out most of the U type as stands 158 & 258, but stand 58's A3 has U inclusions throughout, separating individual clones. There are older aspen stems present, residual from the harvest. Used previous SI. If access for managing the W1/2SW of section 20 cannot be obtained, recommend disposal of the parcel.</p>														
59	R 6	G 0	2	44	9	230	57	red pine	immature	Y	thinning	within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u> Adjacent landowner denies access</p> <p>comnts Fmd : Old notes indicate was planted in '64. ~1/5 of stems moved into the saw class. Doubles common. Third-row thin. Access will be an issue - - is in a block of state land surrounded by private. If access for managing the W1/2SW of section 20 cannot be obtained, recommend disposal of the parcel.</p>														
61	R 9	G 0	20	37	10	100	64	grass	low quality	N	final harvest	within 0-9 years	2	
<p><u>Treatment Limiting Factors:</u> Adjacent landowner denies access</p> <p>comnts Fmd : RP plantation with atypical configuration: One and a half chain wide strips were planted (10 rows with ~10' wide spacing between rows), alternating with half-chain wide strips of grass. Old notes indicate that this was an experimental planting or, more specifically, an "Erbe Special" established in 1971. The inherent site quality itself is okay (64), but the lower planting density and tremendous amount of edge resulted in poor height growth, high taper, heavy persistent lower branches, and high weevil incidence. This lower stocking allowed stems to progress more quickly into the saw class, but the quality is very poor; easily 1 in 4 trees have defect (doubles, forked, crook, etc.). Stocking is poorer to the east. Plots were taken within the planted strips; BA there averaged 130. Overall stand BA, taking into consideration that 25% of the area was unplanted, is 100 BA. If access can be gained across private, final harvest the stand and allow it to revert to grass. The G-type to the east that grades into this stand has big and little blue stem and is contiguous with another larger opening with similar cover on the adjacent private. Retention: create three 1/3-acre island's, one each in the stand's W, NE & SE. This is in an area with large, old, heavily-burned pine stumps and old railroad grades. If access for managing the SENE of section 19 cannot be obtained, recommend disposal of the parcel.</p>														
63	A 9	U 1	19	86	13	100	47	aspen (upland)	high risk	Y	final harvest	within 0-9 years	3	natural regeneration
<p><u>Treatment Limiting Factors:</u> Adjacent landowner denies access</p> <p>comnts Fmd : Highly variable stand. Common thread is mature-overmature aspen (TA & BTA) with the older component of large cull stems moving into the snag class. Mixed in is a little bit of everything else: a few massive oak to the NW, sugar maple, ironwood, RM & paper birch to the SW, and small clumps of RP & WP saw and poles (species other than aspen totalling 35 BA). The stand was not cut in '86 when stand 58 was cut, even though permission to cross private was obtained and the haul access went through this stand. If access is granted, harvest the aspen and RM, but leave the other species. Used previous SI. See locked comments. If access for managing the SENE of section 19 cannot be obtained, recommend disposal of the parcel.</p>														

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64	O 9	M 2	52	99	14	100	55	oak	mature	Y	shelterwood-seed	within 0-9 years	2	natural regeneration
<p>comnts Fmd : Decent-quality RO saw with ~10 BA each of WO saw, RO poles, BTA, and NPO. The stand's perimeter on the flats has lower-quality and lower-BA oak, while the central higher ground has the denser, nicer oak. All RM, PB, TA and pine were cut in '90-'91 under #013-90-1, all oak were left. The harvest area -- except ~13 acres south of the E-W two-track -- was Rx burned in '99 under FTP C72-412 and in 2000 under FTP C72-429, both with the goal of reducing the RM competition. The understory within the burn area is much more open, averaging Mr1 versus the unburned area's Mr3+. The stand area was heavily worked-over by deer digging through the snow down to the leaf litter. The stand should have a regen cut applied before the benefits of the Rx burning are lost. Per August 21, 2008 field review, additional prescribed burning is not needed; apply a shelterwood cut, aiming for 50% crown closure, and create two 90-foot diameter regen gaps per acre. Used previous SI.</p>														
65	A 6	U 1	54	35	7	80	53	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Old notes indicate that the stand was cut in '73, with some merchantable residual. Aspen (TA & BTA) with most of the stems moved into the pole class. Oak and RM stump-origin poles are at +/- the same height as the aspen. Stand also has scattered super-canopy RP, large older RM, and NPO saw. Used old SI.</p>														
66	J 3	G 0	45	25	3	0	44	jack pine	immature	N		30-39 years	0	
<p>comnts Fmd : Planted in 1983 under FTP# C-7020-109, using S. Michigan nursery planting stock noted as being dry and large, with poor root systems. Areas of J1-J2 on the E & W edges, particularly where planted under residual JP and RP on the E side. Some gall rust present. Used previous SI. Note that there is a narrow strip of private property between Farrington Road and the state land in the W1/2SW section 29. This block of state land can be accessed through compt 19 to the west.</p>														
67	R 8	U 1	25	61	13	60	50	red pine	two aged	N		30-39 years	0	
<p>comnts Fmd : Variable-density mixed pine and oak stand on poor soils: small-medium RP saw, RP poles and saps, a few super-canopy RP, low-density JP saw, young JP poles, and breaking-up NPO saw. U/G inclusions common, along with a 1-acre TA inclusion in the stand's NW. Is a multiple-aged stand; placed the year of origin at the medium-sized RP saw age. Note that there is a narrow strip of private property between Farrington Road and the state land in the W1/2SW section 29. This block of state land can be accessed through compt 19 to the west, but consideration should be given to acquiring the intervening strip of private property along Farrington Road for more direct access.</p>														
69	A 3	U 1	12	25	4	0	63	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : The 120-acre block this stand is located within was cut between '81 and the end of '83 under #2-81A, all merchantable stems except WP & RP. Marked RP and WP saw were removed in '85 under #62-84-1. TA moving into the pole class with a lot of just sub-merchantable stems, and scattered obviously older stems (residual from the cut). U inclusions separate clones. Stand grades into the adjacent RP/WP stand 76. Used stand 78's SI.</p>														
70	R 9	U 2	7	69	14	110	58	red pine	two aged	N		30-39 years	0	
<p>comnts Fmd : The 120-acre block this stand is located within was cut between '81 and the end of '83 under #2-81A, all merchantable stems except WP & RP. Marked RP and WP saw were removed in '85 under #62-84-1. Mixed age/size-class RP and WP stand, bordered by young aspen.</p>														
73	A 6	A 1	7	26	5	70	63	aspen (upland)	immature	N		30-39 years	0	
<p>comnts Fmd : Cut in '81 under 03-81A, except all RP and WP were left. TA moving into the pole class, with scattered RP saw mostly along the boundary with stand 66. Some larger cull RM. Used stand 78's SI. Note that there is a narrow strip of private property between Farrington Road and the state land in the W1/2SW section 29. This block of state land can be accessed through compt 19 to the west.</p>														
74	J 2	U 1	9	25	3	0	46	jack pine	immature	N		30-39 years	0	
<p>comnts Fmd : Planted under FTP# C-7020-104 in 1983, completion notes indicate the S. Michigan nursery planting stock was in poor shape, with large trees dry. Long gaps in rows; J2 may be a stretch. Scattered small RP saw. Used previous SI</p>														
75	U 1	U 1	25	25	3	0	46	upland brush	sparse	N		30-39 years	0	
<p>comnts Fmd : Most of the stand was planted under FTP# C-7020-104 in 1983, completion notes indicate that the S. Michigan nursery planting stock was in poor shape, with large trees dry. Short remnant JP row segments are visible across this U-type with cherry, NPO regen, and RP resid from the '82 cut. Isolated small clones of TA that couldn't practicably be incorporated into stand 78 or 69's boundaries are inclusions. Used previous SI.</p>														

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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
76	R 8	A 1	11	69	15	60	58	red pine	two aged	N		30-39 years	0	
comnts Fmd : The 120-acre block this stand is located within was cut between '81 and the end of '83 under #2-81A, all merchantable stems except WP & RP. Marked RP and WP saw were removed in '85 under #62-84-1. Mixed RP and WP stand with high amount of defect (weevil, porcky). Aspen from adjacent stands grade into it. Stand has small ice-contact depressions. Used stand 70's SI & age.														
77	R 9	O 2	3	69	13	70	58	red pine	two aged	N		30-39 years	0	
comnts Fmd : The 120-acre block this stand is located within was cut between '81 and the end of '83 under #2-81A, all merchantable stems except WP & RP. Marked RP and WP saw were removed in '85 under #62-84-1. Small pocket of +/- open-grown small-medium RP saw with a little WP, JP and RP poles & regen. Used stand 70's SI & age.														
78	A 3	U 1	38	25	4	0	63	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : The 120-acre block this stand is located within was cut between '81 and the end of '83 under #2-81A, all merchantable stems except WP & RP. Most of this stand was cut at the end of '83. Marked RP and WP saw were removed in '85 under #62-84-1. Most of the stems are just sub-merchantable, with poles primarily at clone margins and in clumps of residual from the cut. Hypoxylon is present in most of the clones. SI was taken on a disease-free clone and averaged with the previous SI. U inclusions are common between clones, particularly in the NW. There are pockets of good oak regen, and also scattered RP, WP and a little JP (residual from harvest). Stand contains a couple deep kettle holes. Isolated small aspen clones that couldn't practicably be picked up by this stand's boundary were included in the adjacent U-type stand 75.														
79	R 2	U 1	14	25	3	0	47	red pine	immature	N		30-39 years	0	
comnts Fmd : RP planted under FTP C7020-104. Poor survival. Stocking ranges from R0-R3, and 1 to 6" in diameter depending on how open the spot is. R2 is a composite of all the regen, including large oak stump sprouts, TA and JP. There is older RP residual from the '82 harvest. U inclusions are common along the west side. Used previous SI.														
81	J 3	O 1	31	2	0	0	38	jack pine	immature	N		60-69 years	0	
comnts Fmd : Cut in 2004 under 720530201 Oak Lake Road Jack Pine by Larry Baynham for Northern Timberlands, all trees 2" and up. The sale administrator noted that several adjacent residents on the west side of Townline Road complained about the sale. Trenched and planted to JP in 2006 under FTP# C72-523. Oak regen scattered throughout, a little aspen regen to the south end. Used the previous SI.														
89	O 8	M 2	2	90	14	60	52	oak	sparse	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Sparse, fragmented stand of poor-quality, declining NPO, split into 3 small blocks (stands 89, 189 & 289) by Oak Lake Rd and Penn Crossing Rd. Popular with firewood cutters. There are pockets of nice oak saps, but the understory is generally RM and U. Stand has a few JP and aspen stems. Leave for age-class diversity, given past and proposed adjacent harvests. Used stand 6's SI.														
90	X 0	X 0	6			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Cleared county road ROW's. Stand 90 is Oak Lake Road in the SW of Sec 18. Stand 91 is Oak Lk & Penn Crossing Roads in the E1/2 of sec 18 and in sections 17 & 16. Stand 92 is Penn Crossing Road in Sec 21. Stand 93 is Oak Lake Rd on the N side of Sec 21.														
91	X 0	X 0	13			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Cleared county road ROW's. Stand 90 is Oak Lake Road in the SW of Sec 18. Stand 91 is Oak Lk & Penn Crossing Roads in the E1/2 of sec 18 and in sections 17 & 16. Stand 92 is Penn Crossing Road in Sec 21. Stand 93 is Oak Lake Rd on the N side of Sec 21.														
92	X 0	X 0	2			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Cleared county road ROW's. Stand 90 is Oak Lake Road in the SW of Sec 18. Stand 91 is Oak Lk & Penn Crossing Roads in the E1/2 of sec 18 and in sections 17 & 16. Stand 92 is Penn Crossing Road in Sec 21. Stand 93 is Oak Lake Rd on the N side of Sec 21.														

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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	Tot. BA							
93	X0	X0	3			0	other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : Cleared county road ROW's. Stand 90 is Oak Lake Road in the SW of Sec 18. Stand 91 is Oak Lk & Penn Crossing Roads in the E1/2 of sec 18 and in sections 17 & 16. Stand 92 is Penn Crossing Road in Sec 21. Stand 93 is Oak Lake Rd on the N side of Sec 21.													
99	N0	N0	1			0	marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh with emergent grasses. This stand, along with two other small wetlands (including stand 100 and one on private to the north) were once identified as one body, La Belle Lake. Noted as discrete ponds 10 years ago, the water bodies have, over time, been filling in with wetland vegetation, and this summer's drought made for little open water and near continuous vegetative cover on stands 99 & 100.													
100	N0	N0	2			0	marsh	nonstocked	N		not scheduled	0	
comnts Fmd : Marsh with emergent grasses. This stand, along with two other small wetlands (including stand 99 to the south and one on private to the north) were once identified as one body, La Belle Lake. Noted as discrete ponds 10 years ago, the water bodies have, over time, been filling in with wetland vegetation, and this summer's drought made for little open water and near continuous vegetative cover on stands 100 & 99.													
102	J2	J2	23	25	4	0	48	jack pine	immature	N	40-49 years	0	
comnts Fmd : Stands 102 & 202: J1/J2 with U/G inclusions common. Planted in 1983 under FTP# 72-51 at same time as stands 2 & 302, but with S. Michigan Nursery stock that was noted as being large, dry and in poor condition. Survivorship was low compared to stands 2 & 302 that were planted with Wyman Nursery stock. There are scattered pole-sized JP (mostly at the N end) that were residual from the '77 cut. Potential for rough fescue. Old notes indicate historic KW use. Used previous SI. Stand 8 was cut at the same time as 102 & 202, and although notes do not indicate that it was planted, it is very similar in structure and composition to those two stands.													
107	J6	O2	7	45	8	70	58	oak	mature	N	removal	within 0-9 years	1 natural regeneration
comnts Fmd : 7 & 107: Mature JP poles with a component of very overmature JP saw. Pockets of recent mortality and windthrow. Minor component of NPO saw. Aspen inclusions with mature-to-overmature stems. Nice advanced oak regen, 01-03. Harvest the JP & aspen. Leave the oak and any other pine (~15% retention). Goal is to release the existing oak regen and also regenerate the aspen. Stand 107 is that part south of Oak Lake Road. Included along stand 107's southeast boundary is a strip of overmature TA. Used previous SI.													
110	J3	J3	4	21	3	0	57	jack pine	immature	N	40-49 years	0	
comnts Fmd : Stands 10 & 110: Planted JP regen, 3-5" diam. Was a mixed JP, NPO, aspen stand cut in '85, taking all merchantable stems. North half of stand planted under FTP# C-0707-181 in 1987; the FTP indicates that the south half of the stand was planted later. Areas regenerating to oak/aspen were avoided in planting; there is a couple-acre inclusion of that regen in the stand's south center, and another couple acres of that type to the SE was included with stand 9. Near stand's SE corner: planting may have run onto adjacent PVT. Did not find corner along plantation edge. After finding corners to N & E and overlaying on aerial imagery in ArcView, the corner looks like it may have been planted over. Used stand 9's SI. Stand 110 is that part of the planting on the south side of Pennsylvania Crossing Road.													
115	R6	U1	6	44	8	170	61	red pine	immature	N	thinning	within 0-9 years	1
comnts Fmd : Stand 15 & 115: RP plantation. Variable stocking & areas of stunted trees where planted around a lot of residual NPO, TA & JP (primarily N of P. C. Road). ~10% of stems have moved into the saw class. Stand 115 is that part S of P.C. Rd. Third row thin.													
117	R6	U1	10	44	9	160	62	red pine	immature	N	thinning	within 0-9 years	1
comnts Fmd : Planted in '64 (per old records). RP with ~1/3 of stems just crossed over into the saw class. Was planted around JP, NPO and old pine stumps. More oak residual to the north. JP saw limby, cull. Stunted RP around the residual. Some weevil damage and doubles, but generally decent quality RP. Third-row thin the RP, remove all JP, and cut only that oak needed to get through the rows. Stand 117 is that part south of P.C. Rd.													
118	A2	U2	27	25	4	0	55	aspen (upland)	immature	N	30-39 years	0	
comnts Fmd : Cut in '82 under #80-81A, all merchantable aspen, JP, RM & oak. Mostly TA moving into the pole class, with a majority of the stems just sub-merchantable, although the minority BTA component is growing better and could be typed as A6 already. Stand has scattered RP residual from the harvest. U/G inclusions with low-density aspen occur throughout the stand and - including pockets of oak saps and large stump sprouts - comprise ~20% of the stand area in an interlocking mosaic pattern. Typed 18 & 118 as A2 to reflect the lower- and non-stocked areas between A3 clones. 218 was left as A3 since it contains no U/G inclusions.. Stand 118 is that part south of Oak Lake Rd & west of Penn Crossing Rd, Stand 218 is east of Penn Crossing Rd. Used previous SI.													

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	Tot. BA								
134	A5	U2	8	35	7	60	67	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Old notes indicate that most of the stand was clearcut and then treated by FTP, with a stand year of origin of 1973. Mostly TA clones separated by U, with 1-acre U inclusions common in the form of ice-contact kettle holes (some steep) especially in Stand 34's E half, and a pocket of WP & RP poles and small saw along Centerline Road. There are areas with nice tall oak saps, but doesn't reach O1 overall. The south half of the same treatment area contained more U acreage (split out as stand 35) and stand 134's boundary picks up most of the small TA clones scattered across that U type.</p>														
139	A3	O1	2	26	4	0	54	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was cut in '81 under #1-81A, all merchantable aspen, RM, JP and oak, leaving all RP & WP. Was low-density cover to start with, with <10 cords to the acre removed. The predominant U cover was split out as stand 40. Aspen clones were delineated as stands 39, 139, 239, 339 and 338. A lot of stems are still sub-merchantable. Would type out as A4 if went with the merchantable component, but is actually A3 partially-transitioned to A6, so the just sub-merchantable majority component was featured. Individual clone health varies, with growth and vigor influenced by the amount of residual stems from the '81 cut and the presence of hypoxylon. There are nice oak saplings below; in the more unthrifty clones, the oak will become the dominant stems. Used the previous SI; SI taken on this young aspen seemed unrepresentatively high. NOTE: Along the stand's West edge against private is a long narrow uncut triangle with scattered NPO, RP and mature aspen, left as a result of the timbersale boundary being run to an incorrect marker in the stand's SW corner. A pin was later set to the west by a private surveyor (JFO 19840), with a 5' tall pipe nearby.</p>														
146	A5	U1	18	35	6	50	46	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Old notes indicate that all aspen, red maple, paper birch, pin oak, and JP >9" DBH were clear cut south of Penn Crossing Road in '72 under #34-72. Stand 146 has some dense aspen clones, but it is sparse in between, particularly in the N peninsula where the aspen has been colonizing the adjacent U & G types. Used previous SI.</p>														
148	J6	O2	2	52	9	130	60	jack pine	two aged	N		10-19 years	0	
<p>comnts Fmd : Old notes indicate that all aspen, red maple, paper birch, pin oak, and JP >9" DBH were clear cut south of Penn Crossing Road in '72 under #34-72. Stands 48 & 148 have JP poles with pockets of very overmature saw (much cull). Nice oak saps below. Given small acreage, consider cutting when adjacent aspen is harvested. Used stand 49's age & SI.</p>														
150	A4	O1	11	35	7	40	67	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Stand 50: Old notes indicate that this stand (and 150) was in the same treatment area as stands 34 & 134, with '73 as the year of origin. Denser aspen clones in the E1/2, with the U-inclusions separating the clones getting wider as you go west and the aspen quality also decreasing. Stand 150 was split off by stand 49 and has the most U, with larger cherry and isolated small aspen clones, so typed as A4 to reflect lower- and non-stocked areas. NPO saw occurs at low densities in both stands. Used more conservative SI taken in stand 150.</p>														
158	U2	U2	29	22	1	0	46	upland brush	sparse	N		not scheduled	0	
<p>comnts Fmd : All merchantable aspen, JP and oak in the 80-acre block of state land were cut between '84 and '86 under #107-84-1. Was low-medium stocking to start with and included U/G. Split out most of the U/G type as stands 158 & 258, but stand 58's A3 has U inclusions throughout, separating individual clones. Stands 158 & 258 include small pockets of TA that couldn't practicably be included in stand 58's boundary, along with scattered residual from the cut (RP, JP & WP). Used stand 58's SI. If access for managing the W1/2SW of section 20 cannot be obtained, recommend disposal of the parcel.</p>														
189	O8	M2	3	90	14	60	52	oak	sparse	Y		30-39 years	0	
<p><u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity</p>														
<p>comnts Fmd : Sparse, fragmented stand of poor-quality, declining NPO, split into 3 small blocks (stands 89, 189 & 289) by Oak Lake Rd and Penn Crossing Rd. Popular with firewood cutters. There are pockets of nice oak saps, but the understory is generally RM and U. Stand has a few JP and aspen stems. Leave for age-class diversity, given past and proposed adjacent harvests. Used stand 6's SI.</p>														
202	J2	J2	29	25	4	0	48	jack pine	immature	N		40-49 years	0	
<p>comnts Fmd : Stands 102 & 202: J1/J2 with U/G inclusions common. Planted in 1983 under FTP# 72-51 at same time as stands 2 & 302, but with S. Michigan Nursery stock that was noted as being large, dry and in poor condition. Survivorship was low compared to stands 2 & 302 that were planted with Wyman Nursery stock. There are scattered pole-sized JP (mostly at the N end) that were residual from the '77 cut. Stand 202 has aspen regen mixed in with the JP at the south end. Potential for rough fescue. Old notes indicate historic KW use. Used previous SI. Stand 8 was cut at the same time as 102 & 202, and although notes do not indicate that it was planted, it is very similar in structure and composition to those two stands.</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
203	J3	J3	10	25	4	0	48	jack pine	immature	N		40-49 years	0	
comnts Fmd : J3 moving into the pole class with older JP residual from '77 cut and residual RP along with oak stump sprouts & aspen regen. Split off from stand 2 by Oak Lake Road. Used stand 2's SI.														
218	A3	U1	4	25	4	0	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Cut in '82 under #80-81A, all merchantable aspen, JP, RM & oak. Mostly TA moving into the pole class, with a majority of the stems just sub-merchantable, although the minority BTA component is growing better and could be typed as A6 already. Stand has scattered RP residual from the harvest. U/G inclusions with low-density aspen occur throughout the stand and - including pockets of oak saps and large stump sprouts - comprise ~20% of the stand area in an interlocking mosaic pattern. Typed 18 & 118 as A2 to reflect the lower- and non-stocked areas between A3 clones. 218 was left as A3 since it contains no U/G inclusions.. Stand 118 is that part south of Oak Lake Rd & west of Penn Crossing Rd and stand 218 is east of Penn Crossing Rd. Used previous SI.														
239	A3	O1	2	26	4	0	54	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : Was cut in '81 under #1-81A, all merchantable aspen, RM, JP and oak, leaving all RP & WP. Was low-density cover to start with, with <10 cords to the acre removed. The predominant U cover was split out as stand 40. Aspen clones were delineated as stands 39, 139, 239, 339 and 338. A lot of stems are still sub-merchantable. Would type out as A4 if went with the merchantable component, but is acutally A3 partially-transitioned to A6, so the just sub-merchantable majority component was featured. Individual clone health varies, with growth and vigor influenced by the amount of residual stems from the '81 cut and the presence of hypoxylon. There are nice oak saplings below; in the more unthrifty clones, the oak will become the dominant stems. Used the previous SI; SI taken on this young aspen seemed unrepresentatively high. NOTE: Along the stand's West edge against private is a long narrow uncut triangle with scattered NPO, RP and mature aspen, left as a result of the timbersale boundary being run to an incorrect marker in the stand's SW corner. A pin was later set to the west by a private surveyor (JFO 19840), with a 5' tall pipe nearby.														
246	A6	U1	5	35	6	80	46	aspen (upland)	immature	N		10-19 years	0	
comnts Fmd : Old notes indicate that all aspen, red maple, paper birch, pin oak, and JP >9" DBH were clear cut south of Penn Crossing Road in '72 under #34-72. Stand 246 has fair-health TA with a U-inclusion on the west edge and a 1-acre inclusion of RP & WP saw in the SE (has survey corner witness trees). Used previous SI.														
258	U2	U2	10	22	1	0	46	upland brush	sparse	N		not scheduled	0	
comnts Fmd : All merchantable aspen, JP and oak in the 80-acre block of state land were cut between '84 and '86 under #107-84-1. Was low-medium stocking to start with and included U/G. Split out most of the U/G type as stands 158 & 258, but stand 58's A3 has U inclusions throughout, separating individual clones. Stands 158 & 258 include small pockets of TA that couldn't practicably be included in stand 58's boundary, along with scattered residual from the cut (RP, JP & WP). Used stand 58's SI. If access for managing the W1/2SW of section 20 cannot be obtained, recommend disposal of the parcel.														
289	O8	M2	2	90	14	60	52	oak	sparse	Y		30-39 years	0	
<u>Treatment Limiting Factors:</u> Delayed treatment for age/size class diversity														
comnts Fmd : Sparse, fragmented stand of poor-quality, declining NPO, split into 3 small blocks (stands 89, 189 & 289) by Oak Lake Rd and Penn Crossing Rd. Popular with firewood cutters. There are pockets of nice oak saps, but the understory is generally RM and U. Stand has a few JP and aspen stems. Leave for age-class diversity, given past and proposed adjacent harvests. Used stand 6's SI.														
302	J3	X0	69	25	3	0	48	jack pine	immature	N		40-49 years	0	
comnts Fmd : Stands 2 & 302: JP regen, good stocking and health, planted in 1983 under FTP# C72-51 with stock from Wyman Nursery. Established at same time as stands 102 & 202 (planted with S. Mich Nursery stock that had poor survival rates). Aspen regen mixed in with the JP at the south end of 302. Potential for rough fescue. Old notes indicate historical KW use. Used previous SI.														
303	J3	O2	20	2	0	0	40	jack pine	immature	N		60-69 years	0	
comnts Fmd : The stand was cut under timbersale # 72-053-02-01 Oak Lake Road Jack Pine by Larry Baynham Forest Products for Northern Timberlands in 2004. The sale had been prepared through a marking contract and the blue line location was incorrect, resulting in a trespass (approximately 1 acre in size) onto private property to the north (Rich Brogan, owner). FTP# C72-523 was submitted in Oct '05 for planting poorly-stocked areas to JP. Portions of the stand were trenched and planted to JP in May of 2006, including part of the trespass area on the Brogan property. Areas with aspen regen (particularly to the stand's east side) were not planted within. Oak stump sprouts and oak seedlings/saps are scattered throughout. Used previous SI. Stand 303 is that part south & west of Pennsylvania Crossing Road.														

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Stand	Cover Type-Size Dnsty	Under Story-Stkng Level	Acrs	Age	avg. DBH		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D	Tot. BA								
338	A3	O1	17	26	4	0	54	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was cut in '81 under #1-81A, all merchantable aspen, RM, JP and oak, leaving all RP & WP. Was low-density cover to start with, with <10 cords to the acre removed. The predominant U cover was split out as stand 40. Aspen clones were delineated as stands 39, 139, 239, 339 and 338. A lot of stems are still sub-merchantable. Would type out as A4 if went with the merchantable component, but is acutally A3 partially-transitioned to A6, so the just sub-merchantable majority component was featured. Individual clone health varies, with growth and vigor influenced by the amount of residual stems from the '81 cut and the presence of hypoxylon. There are nice oak saplings below; in the more unthrifty clones, the oak will become the dominant stems. Used the previous SI; SI taken on this young aspen seemed unrepresentatively high. NOTE: Along the stand's West edge against private is a long narrow uncut triangle with scattered NPO saw, RP and mature aspen, left as a result of the timbersale boundary being run to an incorrect marker in the stand's SW corner. A pin was later set to the west by a private surveyor (JFO 19840), with a 5' tall pipe nearby.</p>														
339	A3	O1	7	26	4	0	54	aspen (upland)	immature	N		20-29 years	0	
<p>comnts Fmd : Was cut in '81 under #1-81A, all merchantable aspen, RM, JP and oak, leaving all RP & WP. Was low-density cover to start with, with <10 cords to the acre removed. The predominant U cover was split out as stand 40. Aspen clones were delineated as stands 39, 139, 239, 339 and 338. A lot of stems are still sub-merchantable. Would type out as A4 if went with the merchantable component, but is acutally A3 partially-transitioned to A6, so the just sub-merchantable majority component was featured. Individual clone health varies, with growth and vigor influenced by the amount of residual stems from the '81 cut and the presence of hypoxylon. There are nice oak saplings below; in the more unthrifty clones, the oak will become the dominant stems. Used the previous SI; SI taken on this young aspen seemed unrepresentatively high. NOTE: Along the stand's West edge against private is a long narrow uncut triangle with scattered NPO, RP and mature aspen, left as a result of the timbersale boundary being run to an incorrect marker in the stand's SW corner. A pin was later set to the west by a private surveyor (JFO 19840), with a 5' tall pipe nearby.</p>														
346	A6	A1	2	35	6	70	46	aspen (upland)	immature	N		10-19 years	0	
<p>comnts Fmd : Old notes indicate that all aspen, red maple, paper birch, pin oak, and JP >9" DBH were clear cut south of Penn Crossing Road in '72 under #34-72. Stand 346 was separated from the rest of the aspen types by residual pine stands. Nice large oak saplings are scattered within the clone but represent less than O1. Used previous SI.</p>														
400	G0	G0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Well site with plumbing. Spotted knapweed cover.</p>														
401	G0	G0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Well site with plumbing. Spotted knapweed cover.</p>														
402	G0	G0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Well site with plumbing. Spotted knapweed cover.</p>														
403	G0	G0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Well site with plumbing. Spotted knapweed cover.</p>														
404	G0	G0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Well site with plumbing. Spotted knapweed cover.</p>														
405	G0	G0	1			0		grass	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Well site with plumbing. Spotted knapweed cover.</p>														
406	X0	X0	3			0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
<p>comnts Fmd : Well site to north, oil & gas facility to south with storage tanks, buildings, etc.</p>														

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

Stand	Cover Type-Dnsty	Under Story-Stkng Level	Acrs	Age	avg. D		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B	Tot. BA								
407	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Spotted knapweed cover.														
408	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Spotted knapweed cover.														
409	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Spotted knapweed cover.														
410	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Spotted knapweed cover.														
411	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Spotted knapweed cover.														
412	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Spotted knapweed cover.														
413	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Spotted knapweed cover.														
414	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Spotted knapweed cover.														
415	G 0	G 0	4			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Stand encompasses steep ice-contact kettle holes separated by saddle ridges. Cover includes hairgrass and sweetfern, with some U, JP and TA encroachment at the margins.														
416	G 0	G 0	10			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Stand encompasses frost-pocket holes; the deepest one hits the water table and has a postage stamp-sized wetland with bullrush surrounded by salix. Upland cover includes hairgrass, sweetfern and little bluestem with some U, JP and TA encroaching.														
417	G 0	G 0	14			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Stand encompasses a long shallow valley with G/U cover: sweetfern, some little bluestem, cherry & amelanchier. JP, TA and NPO are colonizing the opening.														
418	G 0	G 0	6			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Grassy opening with hairgrass and sweetfern cover, being colonized by the adjacent aspen stands. In the far NW corner is a small depression with L3.														
419	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Former well site? Knapweed with JP seeding in.														

* 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.		Site Indx	Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					D B H	Tot. BA								
420	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Former well site? Filling in with JP regen. Note that there is a narrow strip of private property between Farrington Road and the state land in the W1/2SW section 29. This block of state land can be accessed through compt 19 to the west.														
421	G 0	G 0	4			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Opening with sweetfern groundcover, encroaching cherry and JP. Note that there is a narrow strip of private property between Farrington Road and the state land in the W1/2SW section 29. This block of state land can be accessed through compt 19 to the west.														
422	G 0	G 0	1			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Well site with plumbing. Grass cover. Accessed across private. If access for managing the W1/2SW of section 20 cannot be obtained, recommend disposal of the parcel.														
423	G 0	G 0	4			0		grass	nonstocked	N		not scheduled	0	
comnts Fmd : Nice grassy opening with primarily little bluestem. It grades into the adjacent plantation and also has scattered RP & JP regen & poles. It is contiguous with another larger opening with similar grass cover on the adjacent private to the E. This is in an area with large, old, heavily-burned pine stumps and old railroad grades. If access for managing the SENE of section 19 cannot be obtained, recommend disposal of the parcel.														
Total Acres.....			2070											