

## SHINGLETON FOREST AREA

## Stand Level Information

Compartment: 30

Entry Year: 2008

Stand	Cover Type-Dnsty	Under Story-Stkng Level	A c r e s	Age	avg. D			Mgt Obj	Condition	Silv. Criteria Met?	Method Cut	Trtmt. Period	Harvest Priority	Cultural Need
					B H	Tot. BA	Site Indx							
1	J 6	S 3	11	72	9	70	51	jack pine	mature	Y	final harvest	within 0-9 years	1	natural regeneration
comnts Fmd : Stand is a ridge of jack pine with smaller diameter spruce located on the edges of it. A few red pine were noticed in the stand (less than 10 square feet basal area). Stand should be set up and sold with adjacent stand in Compartment 31, YOE 2008. Prescription should also match adjacent stand in Compartment 31.														
2	W 8	E 3	3	100	16	60	50	white pine	mature	Y	seed tree	within 0-9 years	2	
comnts Fmd : Small stand of white pine logs over a lowland hardwood understory. Stand will likely regenerate to a mixture of white pine and hardwood. Acceptable alternative management objectives include any species mixture currently present onsite.														
Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak if present onsite. Leave at least 4 red pine or white pine supercanopy trees per acre, greater than 18 inches dbh. Trees should be scattered throughout the stand.														
3	N 0	N 0	50		0	0		marsh	nonstocked	N		not scheduled	0	
comnts Fmd : There is a small island which is not mapped located adjacent to compartment 31. This island may be harvested with adjacent compartment.														
4	S 4	S 3	18	40	5	30	42	black spruce-swamp	immature	N		40-49 years	0	
comnts Fmd :														
5	S 4	S 3	19	40	5	40	42	black spruce-swamp	immature	N		40-49 years	0	
comnts Fmd : A few hemlock are present in the western portion of the stand														
6	S 4	S 3	3	40	5	20	42	black spruce-swamp	immature	N		40-49 years	0	
comnts Fmd :														
7	S 4	S 3	14	40	5	30	42	black spruce-swamp	immature	N		40-49 years	0	
comnts Fmd : Small ridge of of mature red pine is present within stand.														
8	W 4	W 1	3	31	6	20	50	white pine	immature	N		40-49 years	0	
comnts Fmd : Formerly typed as grass. Small sliver of hardwood is located along northern line. Gate with stand is in trespass according to the fresh linework that was done.														
9	R 8	W 3	1	90	14	60	50	red pine	two aged	Y	removal	within 0-9 years	2	planting
comnts Fmd : Remove red pine and white pine logs to release understory. Protect regeneration with spec in timbersale. Plant red pine in holes that develop following harvest. Alternative acceptable management objectives include any species mixture currently located onsite.														
Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak if present onsite. WLD requested that 15 % of the log size trees should be left. These trees should be large supercanopy trees with well developed crowns where possible. Trees should be scattered throughout the stand.														
10	R 8	W 3	1	90	14	60	50	red pine	two aged	Y	removal	within 0-9 years	2	planting
comnts Fmd : Remove red pine and white pine logs to release understory. Protect regeneration with spec in timbersale. Plant red pine in holes that develop following harvest. Alternative acceptable management objectives include any species mixture currently located onsite.														
Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak if present onsite. WLD requested that 15 % of the log size trees should be left. These trees should be large supercanopy trees with well developed crowns where possible. Trees should be scattered throughout the stand.														
11	W 5	W 3	34	76	9	60	55	white pine	immature	N		20-29 years	0	
comnts Fmd : Illegal 4-wheeler trail located within this stand. Trail comes from adjacent private land onto state land.														

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					B H	Tot. BA								
14	J 5	W 3	18	49	8	60	52	jack pine	immature	N		10-19 years	0	
comnts Fmd : Mixture of aspen/jack pine/white pine/red pine. Aspen is poor quality. Thick understory of white pine.														
16	H 6	M 3	4	85	10	80	42	hemlock	immature	N		10-19 years	0	
17	M 4	W 2	45		8	40	55	northern hardwood	unevenaged	N		30-39 years	0	
comnts Fmd : Open pockets throughout stand with open grown cherry. Basal area is inconsistent. Some denser areas of hardwood on the ridges. Old blind / small camp is located within stand and has not seen signs of use in years.														
19	W 9	W 3	46	97	16	70	47	white pine	two aged	N	removal	within 0-9 years	2	planting
comnts Fmd : Remove red pine and white pine logs to release understory. Protect regeneration with spec in timbersale. Plant red pine in holes that develop following harvest. Alternative management objectives include any species mixture currently present onsite.														
Stand was thinned in 1992 and has a white pine understory with minor components of aspen, red pine, and jack pine. Request a survey for the north property line. Uncertain where property line is located.														
Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak if present onsite. WLD requested that 15 % of the log size trees should be left. These trees should be large supercanopy trees with well developed crowns where possible. Trees should be scattered throughout the stand.														
21	X 0	X 0	2		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : County Road 448														
22	A 3	A 3	8	13	3	0	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd :														
23	W 5	W 2	17	86	9	50	55	white pine	immature	N		10-19 years	0	
comnts Fmd : River buffer. Cover type varies within stand.														
24	M 6	M 1	2		10	80	60	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : Stand was thinned in 1992.														
25	M 6	M 1	3		10	80	60	northern hardwood	unevenaged	N		10-19 years	0	
comnts Fmd : Stand was thinned in 1992.														
26	R 6	M 3	6	45	8	210	55	red pine	immature	Y	thinning	within 0-9 years	1	
comnts Fmd : Row thinning. Stand has some very thick patches of red pine and some thinner areas. Buffer West Branch 100 feet.														
Retention Guidelines: Do not cut hemlock or oak. Due to operability considerations, all other trees that lie within designated rows may be harvested.														
27	W 5	W 2	20	86	9	50	55	white pine	immature	N		10-19 years	0	
comnts Fmd : River buffer. Cover type varies within stand.														

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					B	Tot. BA								
28	M 6	M 3	4	8	70	55		northern hardwood	unevenaged	N		20-29 years	0	
comnts Fmd : River buffer														
29	W 5	W 3	88	41	5	40	55	white pine	immature	N		20-29 years	0	
comnts Fmd : Not enough log volume to do an overstory removal.														
31	J 4	J 3	15	35	7	30	49	jack pine	immature	N		20-29 years	0	
comnts Fmd : Northern portion of stand is the old West Branch Campground. Eastern portion of stand contains a slough. FTP W-1065 for oak planting has been completed in spring of 2006 and is now closed. Inmates planted 1/2 bushel acorns in openings.														
32	A 3	J 2	131	14	2	20	55	aspen (upland)	immature	N		30-39 years	0	
comnts Fmd : Stand was covered under FTP-900, stand was never planted and it was determined to be fully stocked, the FTP was cancelled with a blanket letter. Stand is mostly aspen with some mixed pine regeneration. Scattered red pine and white pine logs and poles are found throughout and basal area is inconsistent. Contains a lot of low wet areas. Illegal blind located within stand.														
33	R 5	J 3	66	46	8	40	55	red pine	two aged	N		20-29 years	0	
comnts Fmd : Understory is mixture of jack pine, aspen, white pine and red pine. Basal area of logs is not high enough to do an overstory removal.														
35	R 5	A 3	20	45	8	40	45	red pine	two aged	N		30-39 years	0	
comnts Fmd : Even mix of aspen, white pine, and jack pine in understory, minor component of red pine. Log volume is not high enough to do a removal harvest. Illegal gate is located within stand.														
36	S 4	S 3	5	40	5	20	42	black spruce-swamp	immature	N		40-49 years	0	
comnts Fmd : Small ridge of red pine is present.														
37	R 8	W 3	7	90	14	60	50	red pine	two aged	Y	removal	within 0-9 years	2	planting
comnts Fmd : Remove red pine and white pine logs to release understory. Protect regeneration with spec in timbersale. Plant red pine in holes that develop following harvest. Alternative acceptable management objectives include any species mixture currently located onsite. Request a survey to determine property lines. Appears a gate is in trespass. Adjacent landowner requested that the stand was not clearcut since his house is located right next to the property line. Stand was cut in 1992. Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak if present onsite. WLD requested that 15 % of the log size trees should be left. These trees should be large supercanopy trees with well developed crowns where possible. Trees should be scattered throughout the stand.														
38	R 9	M 3	35	100	16	120	53	red pine	mature	Y	seed tree	within 0-9 years	1	
comnts Fmd : Cut all species except hemlock and oak. Mark red pine and white pine to cut. A few pockets of aspen exist within stand. These areas should be marked heavy enough to allow regeneration of aspen. Illegal blind is located within stand. Acceptable alternative management objectives include any species mixture currently found onsite. Retention Guidelines: Focus leaving some good seed trees and the smaller diameter red pine and white pine. Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak. A lot of red pine and white pine located along the waters edge are stressed. Half of these should be left for snag creation.														
39	N 0	N 0	31	0	0	0		marsh	nonstocked	N		not scheduled	0	

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					B H	Tot. BA								
40	R 5	A 3	13	65	10	40	59	red pine	two aged	N		10-19 years	0	
comnts Fmd : Stand was cut summer 2000, 37-98. Sale is now closed. FTP was not generated at the time of the sale and the site has now regenerated to a mix of red pine jack pine and aspen. Residual BA inconsistant. Low pockets exist throughout stand.														
41	R 5	A 3	34	65	10	40	59	red pine	two aged	N		10-19 years	0	
comnts Fmd : 9/22/2003 BB Stand was cut summer 2000, 37-98. Sale is now closed. FTP was not generated at the time of the sale and the site has now regenerated to a mix of red pine jack pine and aspen. Residual BA inconsistant. Low pockets exist throughout stand.														
42	J 3	R 2	4	14	2	10	55	jack pine	immature	N		40-49 years	0	
comnts Fmd : Stand is mixture of jack pine and red pine														
43	J 3	J 3	4	14	3	0	60	jack pine	immature	N		40-49 years	0	
comnts Fmd :														
44	J 6	W 2	3	68	8	80	53	jack pine	mature	Y	final harvest	within 0-9 years	2	planting
comnts Fmd : Stand is small and scarification would be impractical. It should be planted with inmates following harvest. Alternative management objectives include any current species mixture presently found onsite.														
Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak. Stand is mostly jack pine with a red pine component. Leave most of the red pine within stand. Some may be marked to cut if thicker patches are present.														
45	F 6	F 3	35	66	9	80	50	spruce-fir (uplands-including upland black spruce)	mature	Y		not scheduled	0	
Treatment Limiting Factors: Influence zones Water quality/bmps Bridge needed (portable bridge not available or inadequate)														
comnts Fmd : Majority of stand is within 300 foot buffer on trout creek. Stand is a mixture pine, upland spruce/fir, and birch/aspen.														
46	R 5	A 3	137	65	10	40	59	red pine	two aged	N		10-19 years	0	
comnts Fmd : Stand was cut summer 2000, 37-98. Sale is now closed. FTP was not generated at the time of the sale and the site has now regenerated to a mix of red pine jack pine and aspen. Residual BA inconsistant. Low pockets exist throughout stand.														
56	R 5	A 3	24	65	10	40	59	red pine	two aged	N		10-19 years	0	
comnts Fmd : BB Stand was cut summer 2000, 37-98. Sale is now closed. FTP was not generated at the time of the sale and the site has now regenerated to a mix of red pine jack pine and aspen. Residual BA inconsistant. Low pockets exist throughout stand.														
59	L 0	L 0	427		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Stand has a lot of little islands less than 1 acre in size. These were too small to delineate.														
60	L 0	L 0	43		0	0		lowland brush	nonstocked	N		not scheduled	0	
comnts Fmd : Stand has a lot of little islands less than 1 acre in size. These were too small to delineate.														
65	A 4	A 3	215	27	5	10	50	aspen (upland)	immature	N		20-29 years	0	
comnts Fmd : A few merchantable trees were found. Old logging roads are overgrown. Cutting of stand was completed in 1979 and started in 1972.														

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					B H	Tot. BA	Site Indx							
67	R 8	A 3	53	60	12	40	58	red pine	two aged	N		20-29 years	0	
comnts Fmd : SELECT CUT WITH DOG LEG PINE SALE. 54-98-01 Understory is 10 to 12 foot tall aspen with some mixed pine regeneration														
68	J 3	A 3	17	14	3	0	55	jack pine	immature	N		40-49 years	0	
comnts Fmd : Mixture of jack pine and aspen														
69	W 6	F 3	28	76	9	70	52	white pine	immature	N		20-29 years	0	
comnts Fmd : Buffer stand														
70	W 6	W 3	14	78	10	70	55	white pine	immature	N		20-29 years	0	
comnts Fmd : River buffer														
71	W 5	A 3	46	60	9	60	55	white pine	two aged	N		40-49 years	0	
comnts Fmd : SELECT CUT WITH DOG LEG PINE SALE 54-98-01														
72	J 3	J 3	89	23	3	20	55	jack pine	immature	N		30-39 years	0	
comnts Fmd : Portions of stand burned in 1983 fire and were salvaged. Some standing jack pine remain, but there would be too much damage to regeneration if they were harvested.														
73	X 0	X 0	4		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : County Road 448														
76	R 9	W 3	64	92	14	90	50	red pine	mature	Y	shelterwood-prep	within 0-9 years	2	planting
comnts Fmd : Stand burned on 6/13/1983 Schoolcraft Fire # 6. Understory is very open with only red pine and white pine present.  Stand is mature, but pine could use some diameter growth. Mark red and white pine to 50 sq. ft. basal area. This will help release existing red pine and white pine regeneration in understory. Understory should be protected with spec in timbersale. Plant oak following harvest. Buffer West Branch Manistique River 100 feet.  Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak. Leave most of the supercanopy red pine and white pine scattered throughout the stand.														
77	W 6	W 2	58	86	9	70	55	white pine	immature	N		10-19 years	0	
comnts Fmd : River buffer. Cover type varies within stand.														
78	R 3	R 3	38	20	3	0	55	red pine	immature	N		20-29 years	0	
comnts Fmd : Stand burned in Schoolcraft Fire # 6 on 6/13/1983. It was salvaged and planted to red pine.														

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					B H	Tot. BA								
79	R 9	W 2	25	95	16	90	50	red pine	two aged	Y	shelterwood-prep	within 0-9 years	1	planting
<p>comnts Fmd : Stand is mature, but pine could use some diameter growth. Mark red and white pine to 50 sq. ft. basal area. This will help release existing pine regeneration in understory. Understory should be protected with spec in timbersale. Buffer West Branch Manistique River 100 feet and Hickey Creek 100 feet. Fish division commented that beaver were not a concern on this portion of Hickey Creek. Plant oak following harvest.</p> <p>Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak. Leave most of the supercanopy red pine and white pine scattered throughout the stand.</p>														
81	R 6	W 3	4	90	10	70	52	red pine	two aged	Y	removal	within 0-9 years	2	planting
<p>comnts Fmd : Stand consists of red pine and white pine logs over an understory of mixed pine poles and saplings. Remove red pine and white pine logs to release understory. Small amounts of aspen and mixed conifer are present and should be cut also. Protect understory with spec in timbersale. Plant red pine in any holes that develop following harvest. Do not cut hemlock and oak. Acceptable alternative management objectives include any species mixture currently present within the stand.</p> <p>Property lines are painted but the accuracy is uncertain. Request a survey. Gate and signs located on road may be on state land.</p> <p>Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak if present onsite. WLD requested that 15 % of the log size trees should be left. These trees should be large supercanopy trees with well developed crowns where possible. Trees should be scattered throughout the stand.</p>														
82	X 0	X 0	2		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : County Road 448														
84	X 0	X 0	5		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : County Road 448														
85	X 0	X 0	2		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : County Road 448														
86	X 0	X 0	1		0	0		other non-stocked or non-forest or non-productive	nonstocked	N		not scheduled	0	
comnts Fmd : County Road 448														
87	Z 0	Z 0	8			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : West Branch Manistique River														
88	Z 0	Z 0	5			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : West Branch Manistique River														
89	Z 0	Z 0	11			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : West Branch Manistique River														

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					B H	Tot. BA								
90	Z 0	Z 0	21			0		water	nonstocked	N		not scheduled	0	
comnts Fmd : West Branch Manistique River														
91	N 0	N 0	3		0	0		marsh	nonstocked	N		not scheduled	0	
92	L 0	L 0	353		0	0		lowland brush	old growth (potential or actual)	N		not scheduled	0	
comnts Fmd : SCA - Potential Old Growth. This stand was mapped as potential old growth according to the old maps we have on file. Stand has a lot of small islands less than 1 acre in size that are too small to delineate.														
93	W 4	W 1	1	32	6	30	50	white pine	immature	N		30-39 years	0	
comnts Fmd :														
94	R 9	R 3	6	88	16	100	54	red pine	two aged	Y	removal	within 0-9 years	1	planting
comnts Fmd : Stand consists of red pine and white pine logs over an understory of red pine poles and saplings. Remove red pine and white pine logs to release regeneration. Thin poles where needed. Protect understory with spec in timbersale. Cut all other species except hemlock and oak. Plant red pine in holes that develop following harvest. Acceptable alternative management objectives include any mixture of the current species that are onsite.														
Stand is dry and harvest operations should be restricted to bare ground conditions to avoid complications with the snowmobile trail.														
Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak if present onsite. WLD requested that 15 % of the log size trees should be left. These trees should be large supercanopy trees with well developed crowns where possible. Trees should be scattered throughout the stand.														
95	J 5	W 1	19	33	7	50	54	jack pine	immature	N		20-29 years	0	
comnts Fmd : Formerly typed as grass. Some areas of lower stocking present.														
96	J 4	J 3	14	28	5	30	45	jack pine	immature	N		30-39 years	0	
comnts Fmd : jack pine plantation														
97	J 4	J 3	3	28	5	30	45	jack pine	immature	N		30-39 years	0	
comnts Fmd : jack pine plantation														
98	R 6	W 1	30	66	9	90	42	red pine	two aged	N		10-19 years	0	
comnts Fmd : Stand is 2 aged. Oldest age class is a combination of open grown red pine logs with a few jack pine (66 years old). Youngest age class is 30 year old jack pine.														
99	J 6	W 1	32	42	9	70	54	jack pine	immature	N		10-19 years	0	

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					D B H	Tot. BA	Site Indx							
100	R 9	R 3	8	94	16	110	46	red pine	two aged	Y	removal	within 0-9 years	2	planting

comnts Fmd : Remove red pine and white pine logs to release understory. Protect regeneration with spec in timbersale. Plant red pine in holes that develop following harvest. Alternative acceptable management objectives include any species mixture currently located onsite.

Stand is dry and harvest operations should be restricted to bare ground conditions to avoid complications with the snowmobile trail.

Retention Guidelines: Leave all snags that do not pose a safety risk. Do not cut any hemlock or oak. WLD requested that 15 % of the log size trees should be left. These trees should be large supercanopy trees with well developed crowns where possible. Trees should be scattered throughout the stand.

101	S 6	S 3	4	60	8	130	45	black spruce-swamp	immature	N		20-29 years	0	
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comnts Fmd : Well stocked black spruce stand.

Total Acres..... 2637