



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6119 - Mixed Lowland Deciduous Forest	High Density Pole	2.7	100	81-110	No access.
2	6119 - Mixed Lowland Deciduous Forest	High Density Pole	0.7	100	81-110	No access.
4	4139 - Aspen, Mixed Deciduous	High Density Pole	31.0	65	51-80	Stand is on a large North slope. Area too sensitive for harvest due to erosion concerns. Stand has many scattered small drainages armored with Tag Alder. Some areas within stand are heavier to Aspen, and some heavier to Sugar Maple.
5	6120 - Lowland Cedar	High Density Pole	56.7	95	141-170	Deer Yarding Area Along River
6	4119 - Mixed Northern Hardwoods	High Density Log	30.0	98	111-140	Uneven aged stand with much defect. The topography is shelf-like down to river.
7	42110 - Planted Red Pine	High Density Pole	4.8	54	111-140	Excellent height. Trees are tall and thin. A light thinning will help with diameter growth, and make the residual more wind firm.
8	4110 - Sugar Maple Association	High Density Log	8.0	85	111-140	Located on steep North slope. Trees have excellent height, but are of poor form and many defects. Too sensitive to harvest due to erosion concerns. Several hillside drainages.
9	6120 - Lowland Cedar	High Density Log	2.9	85	141-170	Seepage or drainage throughout stand. Very dense Cedar stand.
10	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	54.9	87	111-140	Stand located on steep bank. Area too sensitive for equipment due to erosion concerns. Large Aspen, Hemlock, and various Hardwoods located on midslope and top of bank.
11	6120 - Lowland Cedar	Low Density Pole	7.5	95	1-50	Recently harvested 2002.
12	42110 - Planted Red Pine	High Density Pole	31.0	53	141-170	Marked for harvest in 2001. Sale never sold due to access problems. Paint has faded.
14	42110 - Planted Red Pine	High Density Pole	4.4	53	81-110	3rd row thinned 2008.
15	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	5.4	98	81-110	Steep hillside. Aspen is over-mature.
16	4130 - Aspen	High Density Pole	13.2	44	81-110	Upland Aspen with small lowland pockets. Some drainages armored by Cedar. Younger Aspen clones in finger to North, approxiametly 25 years old. Extremely healthy stand. Tall, straight, and no conks or dying tops. Some trees 7 sticks in height. Will be ready in one more rotation when trees are larger in diameter to make sawlog class.
18	4130 - Aspen	High Density Pole	2.1	64	51-80	This is a benchtop towards Cole creek. An overstory of Aspen, with an understory of Cedar/Hemlock.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	42110 - Planted Red Pine	High Density Pole	4.6	53	111-140	Great Height to the Red Pine. Needs a thinning to promote diameter growth. Third row thinned once. Private boundary to North.
20	4112 - Maple, Beech, Cherry Association	High Density Log	3.8	82	51-80	Located on North facing slope. Not able to be harvested due to erosion concerns.
21	4139 - Aspen, Mixed Deciduous	High Density Log	5.9	56	51-80	This stand has drainages throughout protected by Cedar and Hemlock trees. Access only through private landowner.
22	6112 - Lowland Aspen	High Density Pole	5.0	45	51-80	Aspen not mature enough to harvest this rotation.
24	4191 - Mixed Upland Deciduous with Conifer	High Density Log	2.6	Uneven Age	141-170	East side of stand is the top of the bank to creek. Heavily deer browsed. Many large Red Maple clumps. The Aspen is starting to fall apart. Access will be through private only.
25	6120 - Lowland Cedar	High Density Log	12.9	Uneven Age	171-200	Steep ravine with creek on bottom. Steep banks impossible to harvest. Hillsides have large Aspen, and Hemlock. Cedar/Black Ash on the bottomlands.
26	42360 - Upland Cedar	Low Density Pole	2.2	95	1-50	Harvested 2008. Left all Cedar and Hemlock. Will come back to Aspen soon.
27	42290 - Natural Mixed Pine	High Density Log	9.1	Uneven Age	81-110	Supercanopy Oak and Pines with a White Pine polestand underneath. Let White Pine polestand mature more before thinning. Recreational/camping site on West side of stand.
28	42110 - Planted Red Pine	High Density Pole	1.0	53	81-110	3rd row thinned in 2008.
29	6120 - Lowland Cedar	High Density Pole	4.0	87	141-170	Intermittant stream running through middle.
30	4139 - Aspen, Mixed Deciduous	Medium Density	12.8	6		Some overstory Maple and Beech. Harvested 2002.
31	6118 - Lowland Deciduous with Cedar	High Density Pole	3.8	87	1-50	Wet, hummocky ground. Manistee river along North standline.
32	4130 - Aspen	High Density Log	6.9	54	81-110	Cored 2 Aspen trees: 54 and 91 years old. Tall trees, but lacking quality. Aspen is falling apart. Some lowland pockets. Topography is a hillside with an East aspect. Approxiametly 30 foot drop. Small Creek on East side of stand. If not able to be commercially harvested, maybe habitat cut?
35	6132 - Mixed Lowland Forest with Cedar	High Density Log	33.2	Uneven Age	81-110	Large bank to Manistee River on Southern Standline. Creek through stand. Swamp conifers with pockets of Swamp hardwoods. Overstory of Hardwoods and Popple on hillside.
37	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	41.0	54	51-80	Slow drainage to Cole Creek. Aspen is large, dying, and of poor quality. Very Wet.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
38	4199 - Other Mixed Upland Deciduous	Medium Density Log	2.5	80	1-50	Many Ironwood, Red Oak, Red Maple saplings.
39	6112 - Lowland Aspen	High Density Pole	15.0	55	81-110	Aspen falling apart. Conks, and dying tops. More Hardwoods in the peninsula to the West. Hardwoods in understory heavily browsed.
40	4133 - Aspen, Mixed Pine	High Density Pole	173.2	38	51-80	Scattered large supercanopy Oaks and Pines. Needs more time for Aspen to become mature.
41	42110 - Planted Red Pine	High Density Pole	9.3	53	171-200	3rd row thinned once. Excellent height. Observed windthrow in stand on smaller diameter trees.
43	42110 - Planted Red Pine	High Density Pole	3.7	53	51-80	Thinned 2002. Not enough BA to thin now.
44	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	38.4	86	81-110	Steep bank to Cole Creek. Cedar, Hemlock, Quaking Aspen growing on hillside. Some large supercanopy White Pine tree mixed throughout, especially in the Southern portion of stand.
45	6118 - Lowland Deciduous with Cedar	Low Density Pole	4.5	82	1-50	Mostly Tag Alder, and Willow lowland brush with some overstory Ash, Elm, and Cedar.
46	6118 - Lowland Deciduous with Cedar	High Density Pole	7.9	93	51-80	Swamp hardwoods with scattered Cedar. This stand is located next to River.
47	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.8	85	81-110	Lowland Conifer strip protecting drainage from spring.
48	42110 - Planted Red Pine	High Density Pole	5.7	53	111-140	3rd row thinned once. Windthrow less of a concern. Trees are very tall and straight. Temporary bridge needed to access stand.
49	42111 - Planted Red Pine, Mixed Deciduous	High Density Log	8.5	53	111-140	Some LARGE Maple and Beech within stand. Thinned once.
50	42110 - Planted Red Pine	High Density Pole	21.3	53	81-110	3rd row thinned once.
52	4130 - Aspen	High Density Sapling	17.9	6		Some supercanopy Oaks and Pines.
53	6112 - Lowland Aspen	High Density Pole	5.0	46	81-110	Small slow drainage with scattered Hemlock and Cedars.
54	6120 - Lowland Cedar	Medium Density Pole	14.4	97	1-50	Located between steep bank, and the Manistee River.
55	4130 - Aspen	High Density Sapling	17.5	6		Some scattered White Oak, Cherry, and Cedars in supercanopy. Wetter ground to East.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
56	4130 - Aspen	High Density Pole	15.0	34	51-80	Some older Aspen clones. Will hold when all of Aspen is mature. Some supercanopy Red Pines, White Pines, and White Oaks scattered throughout stand.
58	6120 - Lowland Cedar	High Density Log	34.8	84	141-170	Great quality and quantity of Cedar poles and logs. Some supercanopy White Pines. Creek circles Southern part of stand. Swamp hardwoods growing in windthrow gaps. Understory heavily browsed. Access will be over temporary bridge. Setup for sale at one point (approx 10 yrs ago) but never harvested.
59	6120 - Lowland Cedar	High Density Pole	6.2	88	111-140	Cedar/Hemlock stand mixed with Swamp Hardwoods. Swamp Hardwoods growing on drier humps.
60	6115 - Lowland Ash	High Density Pole	12.2	101	51-80	Wet stand with Sugar Maple and Basswood growing on small humps. More hardwoods on NE side of creek, but still wet. NE of creek not as wet as SW side of creek.
61	4139 - Aspen, Mixed Deciduous	Medium Density	6.2	6		
62	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	1.3	75	81-110	
63	42110 - Planted Red Pine	High Density Pole	2.2	53	171-200	
64	42110 - Planted Red Pine	High Density Pole	3.4	53	111-140	
65	6120 - Lowland Cedar	High Density Log	7.7	98	141-170	Stand has wide drainage on North side. Active beavers in the area.
66	4130 - Aspen	High Density Pole	56.4	67	51-80	Small Pockets of lowland Aspen mixed with the majority of upland Aspen. Some Sugar Maple mixed throughout. STEEP ravines running N-S with intermittent streams in bottoms running into Manistee River. Aspen is of poor quality, and older on the East side of steep ravine. No access to East side of ravine. Hardwood understory heavily browsed.
67	429 - Mixed Upland Conifers	High Density Pole	11.7	98	111-140	Adams creek on bottom of ravine. Very steep banks to creek.
68	6113 - Lowland Maple	High Density Pole	5.4	74	51-80	
69	42110 - Planted Red Pine	High Density Pole	33.6	53	111-140	Some nice pockets, but majority of stand is poor quality. Approximately 70% of the Red Pine in the stand has crook in bottom 4 feet. Site Index of 58.
70	42110 - Planted Red Pine	High Density Pole	6.1	53	171-200	VERY difficult to access. Only through private. Plantation on top of large hill. Steep banks on East and West side.
71	6120 - Lowland Cedar	High Density Log	7.7	84	111-140	Cedar stand with scattered pockets of Swamp Hardwoods.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
72	42350 - Upland Hemlock	High Density Pole	13.7	110	141-170	Unique for area. Upland Hemlock stand.
74	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	5.5	75	51-80	
75	4119 - Mixed Northern Hardwoods	High Density Pole	12.2	85	81-110	Scattered pockets of Hemlock throughout stand. Stand looks like it will be wet in the spring. Many den trees.
76	42210 - Natural Red Pine	High Density Log	3.3	82	141-170	Natural Red Pine stand with some Oak saplings in understory. Stand was burned by a wildfire in 2006.
77	42290 - Natural Mixed Pine	High Density Pole	93.8	Uneven Age	81-110	Many White Pine and Oak saplings. Few Red Pine seedlings/saplings. Harvest when Aspen is mature. Densities and heights of trees vary greatly throughout stand. The pole sized Pine is self-pruning well, but needs more height. More Red Pine component located in the Northern, and Southern portions of stand.
78	4199 - Other Mixed Upland Deciduous	High Density Log	9.4	37	81-110	Small drainage through middle of stand. Large Red Pine on East side of stand.
79	4124 - Red with White Oak	Low Density Log	30.7	61	1-50	Large scattered Oaks left after a seed tree harvest. Excellent sapling recruitment underneath Oak mast trees. Will be VERY low volume, but will release saplings. Girdle overstory trees if worried about equipment harming advanced regeneration.
80	4130 - Aspen	Medium Density	7.1	6		Some Oak, and White Pines left in overstory from last harvest.
81	42290 - Natural Mixed Pine	Medium Density Log	21.5	Uneven Age	1-50	Harvested 2002. Thinned overstory, and removed all Aspen, Jack Pine, and Maple. More Red Pine to NW, more White Pine to SE. Many different canopy stories: Supercanopy, Canopy, Intermediate, Sapling.
82	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	5.2	75	51-80	
83	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	35.7	58	1-50	Many Oak saplings are approxiametly 20 feet tall. The older Aspen clones will not hold for one more rotation. Low volume stand.
84	42200 - Natural White Pine	Medium Density Pole	67.4	70	51-80	Overstory of Red Pine, Jack Pine, White Pine. Densities vary. Wait 1-2 rotations for thinning.
85	4130 - Aspen	High Density Sapling	12.2	7		Some overstory White Oak, and Red Oaks.
87	42260 - Natural Pine, Mixed Deciduous	Low Density Sapling	4.6	8		Some overstory White Oak, and Red Pines. Sapling stand is browsed heavily.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
88	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	81.1	Uneven Age	51-80	Scattered pockets of: Oak, Aspen, Red Pine scattered throughout stand. Aspen not mature yet. Excellent quantity of White Oak saplings. Overstory trees spaced far apart. Many saplings of White Pine, and oak in gaps between overstory trees. Tops of saplings not suppressed, give more time then remove overstory (1-2 rotations). More mature Oaks East of two track bisecting stand.
89	42110 - Planted Red Pine	High Density Pole	7.1	55	171-200	Thin heavy now due to access problems. Access will have to be through private landowners.
90	4311 - Pine, Aspen Mix	High Density Log	11.3	70	51-80	Mix of Pine/Aspen. More Aspen to the North and West in stand.
92	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	19.1	96	81-110	Steep banks down to Adams Creek. Pine, Aspen, Cedar, Hemlock growing on hillside.
95	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	9.5	93	51-80	Tag Alder/Willow pocket in the Northern part of stand.
97	4133 - Aspen, Mixed Pine	High Density Pole	69.5	43	51-80	Scattered supercanopy White Pines, and Red Pines. Wait for Aspen to become mature (1-2 rotations) before harvesting. Some small wet pockets mixed throughout stand mostly located on the West side. Some mature clumps of Red Maple in the far East side of stand.
99	4133 - Aspen, Mixed Pine	High Density Log	4.2	74	81-110	Access is through a small Hemlock/Cedar stand on East side. Large Aspen falling apart. Stand is converting to White Pine.
100	42290 - Natural Mixed Pine	High Density Log	14.1	94	51-80	Varying densities.
102	42250 - Pine, Oak	Medium Density Log	11.0	69	51-80	Stand harvested in 2002. Understory is 6 years old.
103	42110 - Planted Red Pine	High Density Pole	3.2	55	171-200	Thin heavily the first time due to access problems. Access will have to be through private land, but not impossible. Landowner directly to the South has harvested up to the boundary line.
108	42290 - Natural Mixed Pine	Medium Density Log	18.1	Uneven Age	1-50	Harvested 2002. Removed all Aspen, Maple, Jack Pine. Many different canopy layers. Supercanopy, Canopy, Intermediate, and Sapling.
110	4132 - Aspen, Jack Pine	High Density Sapling	18.2	16		
111	42290 - Natural Mixed Pine	High Density Pole	2.4	85	51-80	Buffer for old Indian Trail.
112	42290 - Natural Mixed Pine	High Density Pole	15.2	60	1-50	Recently thinned in 2003. More Oak to the West.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
113	4132 - Aspen, Jack Pine	High Density Sapling	35.5	16		
114	4191 - Mixed Upland Deciduous with Conifer	Medium Density Log	17.9	58	81-110	Wait for saplings to mature. More Red Maple and Aspen to the North. Scattered large diameter Oak and Pines throughout.
115	4191 - Mixed Upland Deciduous with Conifer	High Density Log	4.6	84	51-80	Overstory Red Maple, and Pines with a polestand of Aspen underneath. Wait for Aspen to become mature (1-2 rotations), then Clearcut.
117	42210 - Natural Red Pine	High Density Log	12.6	75	141-170	West side has larger diameters.
120	4191 - Mixed Upland Deciduous with Conifer	Low Density Log	16.5	Uneven Age	1-50	Opening being reclaimed by Aspen, White Pine, and Cherry.
121	4133 - Aspen, Mixed Pine	High Density Pole	10.8	31	1-50	Many White Oak saplings. Red Pine pocket located on the East side of stand.
122	42290 - Natural Mixed Pine	Medium Density Log	233.5	Uneven Age	51-80	Pockets of dense Pine. Red Maple and Aspen in understory coming back after harvest in 2002.
123	4130 - Aspen	High Density Pole	4.6	47	111-140	Beautiful Stand. Great height (7 sticks). Trees very healthy and straight. Hold one more rotation until the majority of the Aspen is sawlog sized.
124	42210 - Natural Red Pine	Medium Density Log	19.0	Uneven Age	51-80	Harvested 2002. Thinned Pine/Oak overstory, harvested all Aspen, Maple, Jack Pine. Mostly Red Maple/Aspen coming back in understory.
125	4130 - Aspen	High Density Sapling	31.3	16		Old Indian trail bisects stand. A buffer strip is in place along trail.
126	6120 - Lowland Cedar	High Density Log	2.2	Uneven Age	141-170	Small drainage through middle of stand.



Stand	Cover Type	Acres	Gen Cmts:
3	310 - Herbaceous Openland	8.7	
13	50 - Water	74.0	
17	790 - Other Bare/Sparsely Vegetate	3.9	
23	622 - Lowland Shrub	1.0	
33	320 - Upland Shrub	1.4	
34	3302 - Low Density Conifer Trees	3.3	
36	310 - Herbaceous Openland	1.1	
42	122 - Road/Parking Lot	0.4	
51	629 - Mixed non-forested wetland	7.2	
57	3302 - Low Density Conifer Trees	1.7	
73	320 - Upland Shrub	0.7	
86	330 - Low-Density Trees	7.4	
91	623 - Emergent Wetland	1.9	
93	330 - Low-Density Trees	2.3	
94	623 - Emergent Wetland	3.7	
96	50 - Water	1.3	
98	310 - Herbaceous Openland	15.8	
101	6233 - Wet Meadow	0.6	



Stand	Cover Type	Acres	Gen Cmts:
104	623 - Emergent Wetland	3.5	
105	623 - Emergent Wetland	0.5	
106	50 - Water	2.1	
107	320 - Upland Shrub	5.7	
109	320 - Upland Shrub	6.3	
116	622 - Lowland Shrub	1.3	
118	310 - Herbaceous Openland	3.2	
119	629 - Mixed non-forested wetland	8.1	