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Inventory Method: IFMAP

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Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42111 - Planted Red Pine, Mixed Deciduous	Medium Density Pole	8.5	29	81-110	Stand has a few scattered Norway spruce.
4116 - Mixed N. Hardwood - Aspen	Low Density Log	5.5	75	51-80	Semi-open stand. Hardwoods are generally poor quality, multi-stemmed. Aspen is old, concentrated in the NW part of stand.
4112 - Maple, Beech, Cherry Association	Medium Density Log	2.5	95	81-110	
4130 - Aspen	Low Density Log	2.1	42		A couple of clones of aspen on the edge of an opening.
42110 - Planted Red Pine	High Density Pole	16.3	29	81-110	
4130 - Aspen	High Density Log	10.7	64		Mostly QA in lobe N of pond.
4130 - Aspen	High Density Log	2.4	56		
4112 - Maple, Beech, Cherry Association	High Density Log	38.7	95	141-170	Some decent cherry. Hemlock is concentrated at the north end of the stand.
4130 - Aspen	Medium Density Log	5.3	54		Belt of aspen between pine plantation and hardwoods; quaking aspen clone at north end.
4139 - Aspen, Mixed Deciduous	High Density Log	1.9	66		
42110 - Planted Red Pine	High Density Pole	85.6	29	111-140	Scattered juneberry.
4116 - Mixed N. Hardwood - Aspen	High Density Pole	6.2	87	111-140	North lobe is a clone of 30 year old aspen.
42200 - Natural White Pine	Low Density Log	9.4	44	1-50	Old orchard being reclaimed by limby, open-grown white pine and mixed hardwoods. Small patches of planted jack pine, black walnut at south end of stand.
4116 - Mixed N. Hardwood - Aspen	High Density Sapling	2.8	35	1-50	
42140 - Planted Mixed Pine	High Density Sapling	24.7	19		Dense planted red pine and jack pine volunteers.
42110 - Planted Red Pine	High Density Log	45.4	54	171-200	Scattered white pine and maple seedlings and saplings among the more abundant beech.
4111 - S.Maple, Hard Mast Association	High Density Log	42.2	103	111-140	Thick with beech and ironwood seedlings.
4116 - Mixed N. Hardwood - Aspen	Medium Density	26.7	18	1-50	



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24	42110 - Planted Red Pine	High Density Pole	32.2	27	111-140	Ground water monitoring wells within stand.
26	4139 - Aspen, Mixed Deciduous	Medium Density Pole	1.8	39		
27	4110 - Sugar Maple Association	Low Density Pole	32.2	42		Part of former landfill property. Some old infrastructure remaining (fencing, pole barn, powerline, water well). Scattered old apple trees. Black walnut grove along west side of stand.
30	4139 - Aspen, Mixed Deciduous	Medium Density Log	12.6	49	111-140	Stand is mixed aspen clones and patches of variously sized hardwoods, plus a +/- 1 acre patch of well stocked hardwood saplings in the south end of the stand.
31	4112 - Maple, Beech, Cherry Association	High Density Pole	5.1	88	111-140	Numerous multi-stemmed trees.
32	4111 - S.Maple, Hard Mast Association	High Density Log	28.1	88	111-140	
33	4130 - Aspen	Medium Density Pole	22.8	48		
37	4110 - Sugar Maple Association	High Density Log	113.4	86	111-140	Aspen is in scattered patches.
40	42110 - Planted Red Pine	Medium Density Log	23.3	54	171-200	
41	42120 - Planted Jack Pine	High Density Pole	13.3	54	111-140	
42	4130 - Aspen	High Density Pole	12.7	52		Stand is succeeding to northern hardwoods.
43	42120 - Planted Jack Pine	Medium Density Pole	9.2	54	111-140	North 1/3 of stand is white pine, south 2/3 is jack pine.
44	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Log	18.7	54	141-170	Much of stand has not been thinned. Stand includes brushy patches of mixed hardwood and pine saplings/poles. Strong push toward hardwood in understory.
45	4319 - Mixed Upland Forest	Medium Density Pole	4.5	Uneven Age	1-50	Hardwoods and pine volunteers reclaiming an old field.
46	4130 - Aspen	High Density Sapling	11.3	18		
48	4112 - Maple, Beech, Cherry Association	Medium Density Log	92.3	90	81-110	Several semi-open patches/draws within stand, and north finger, have pole aspen with mixed hardwood seedlings and saplings.
50	4130 - Aspen	High Density Pole	41.8	34		Scattered red oak, paper birch, beech.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	42110 - Planted Red Pine	High Density Log	16.4	54	200+	Heights: 60' on 11" tree, 59' on 12" tree
52	42120 - Planted Jack Pine	Medium Density Pole	17.3	54	51-80	Heights: 47' on 8" tree, 43' on 8" tree
53	4110 - Sugar Maple Association	Low Density Sapling	4.8	43	1-50	Trees of various ages overtaking an old field.
54	4110 - Sugar Maple Association	Low Density Pole	12.6	Uneven Age	1-50	Hardwoods reclaiming an old field.
55	4110 - Sugar Maple Association	High Density Pole	13.6	88	111-140	
57	4111 - S.Maple, Hard Mast Association	High Density Log	8.2	88	111-140	Scattered red maple and hemlock.
59	4112 - Maple, Beech, Cherry Association	High Density Log	11.7	93	111-140	
62	4119 - Mixed Northern Hardwoods	High Density Log	38.6	88	111-140	Fairly heavy beech and ironwood seedling layer resulting from previous thinning.
63	4139 - Aspen, Mixed Deciduous	High Density Sapling	15.0	18		2- storied: remnant oak over mixed deciduous saplings.
65	4111 - S.Maple, Hard Mast Association	High Density Log	37.3	94	111-140	Numerous cavity trees.
67	4112 - Maple, Beech, Cherry Association	High Density Log	7.2	83	111-140	Scattered cherry, ash, ironwood and hemlock.
68	4130 - Aspen	High Density Pole	42.4	39		Scattered beech, birch, ash, and cherry.
69	4119 - Mixed Northern Hardwoods	High Density Log	123.8	88	141-170	Patches of mature aspen distributed throughout the stand, scattered mature oak. Ground water monitoring wells in west part of stand.
70	4112 - Maple, Beech, Cherry Association	High Density Log	11.3	83	81-110	
72	4130 - Aspen	High Density Log	18.2	84		Stand is on steep slopes surrounding Shisler Lake.
73	4130 - Aspen	High Density Log	21.3	64		
74	42110 - Planted Red Pine	High Density Pole	45.6	27	141-170	
75	4130 - Aspen	High Density Pole	11.8	34		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
76	4130 - Aspen	High Density Sapling	8.8	18		
77	4110 - Sugar Maple Association	Medium Density	2.6	36	1-50	Narrow strip of hardwoods between RP plantation and private property.
79	4130 - Aspen	High Density Log	2.9	54		
83	42260 - Natural Pine, Mixed Deciduous	Medium Density Log	6.7	Uneven Age	81-110	Probably was cut at the same time as the stand to the east, but with a much larger residual white pine component. WP looks multi -aged.
87	4110 - Sugar Maple Association	Low Density Pole	14.7	41	1-50	Uneven-aged maples reclaiming an old orchard/field; belt of old cottonwoods along the road.
88	4130 - Aspen	High Density Pole	91.1	25		
93	4119 - Mixed Northern Hardwoods	High Density Log	13.0	101	111-140	
94	42111 - Planted Red Pine, Mixed Deciduous	Medium Density Pole	8.0	27	81-110	Old, poor looking apple trees remain from a former orchard.
96	4110 - Sugar Maple Association	High Density Log	69.8	101	111-140	Quite hilly.
99	4131 - Aspen, Oak	High Density Log	2.8	51		
100	42110 - Planted Red Pine	High Density Pole	20.4	27	111-140	Parts of the stand are on steep hills with illegal ORV damage.
101	4139 - Aspen, Mixed Deciduous	High Density Log	14.0	58	141-170	
105	4130 - Aspen	High Density Pole	1.7	61		
106	6132 - Mixed Lowland Forest with Cedar	High Density Log	11.7	106		Sidehill-swamp with numerous seeps.
108	4112 - Maple, Beech, Cherry Association	High Density Log	4.9	110	111-140	Scattered basswood, ash, and cherry.



Stand	Cover Type	Acres	Gen Cmts:
5	623 - Emergent Wetland	1.5	
14	3303 - Mixed Low Density Trees	2.3	old orchard
17	310 - Herbaceous Openland	5.4	Open strip alongside roads.
22	310 - Herbaceous Openland	1.9	Adjacent to landfill.
23	122 - Road/Parking Lot	17.0	M-72, MDOT parking lot, Bright Rd, and Ruthart Rd.
25	310 - Herbaceous Openland	5.2	Excavated area on old Leelanau County landfill.
28	310 - Herbaceous Openland	21.8	Old landfill site. Appears to be poor grass/weeds in snow-free patches.
29	310 - Herbaceous Openland	3.7	
34	330 - Low-Density Trees	9.7	There are numerous ground water monitoring wells within the stand (F5 pulled).
35	310 - Herbaceous Openland	7.1	
36	3301 - Low Density Deciduous Tree	7.0	Hardwoods reclaiming an old field.
38	310 - Herbaceous Openland	3.0	
39	122 - Road/Parking Lot	5.4	Maple City and Davis Lake Rds.
47	6233 - Wet Meadow	4.6	Hart Lake
49	3301 - Low Density Deciduous Tree	3.5	
56	623 - Emergent Wetland	1.1	
58	623 - Emergent Wetland	1.3	
60	330 - Low-Density Trees	12.0	



Stand	Cover Type	Acres	Gen Cmts:
61	330 - Low-Density Trees	6.1	
64	330 - Low-Density Trees	16.7	
66	50 - Water	6.2	Cook Lake
71	50 - Water	9.5	Shisler Lake
78	310 - Herbaceous Openland	1.7	
80	310 - Herbaceous Openland	1.3	
81	320 - Upland Shrub	5.6	Old orchard.
82	122 - Road/Parking Lot	0.9	Tager Road
84	6233 - Wet Meadow	2.1	north bay of Shorter Lake
85	3301 - Low Density Deciduous Tree	12.2	
86	310 - Herbaceous Openland	1.7	Old homestead site; foundations present.
89	6225 - Bog	2.5	
90	6225 - Bog	1.9	
91	6225 - Bog	2.0	
92	3301 - Low Density Deciduous Tree	20.6	Most of this stand is an abandoned orchard, quite hilly.
95	50 - Water	4.6	Shorter Lake
97	6225 - Bog	4.8	
98	623 - Emergent Wetland	2.6	Shorter Lake



Stand	Cover Type	Acres	Gen Cmts:
102	3301 - Low Density Deciduous Tree	1.7	steep hillside
103	3301 - Low Density Deciduous Tree	3.2	Illegal hill climb area.
104	790 - Other Bare/Sparsely Vegetate	1.1	Steep hillside, illegal scramble area. Some spotted knapweed showing above the snow.
107	629 - Mixed non-forested wetland	1.8	Dead trees, sparse live trees, and brush along Cedar Run Creek.