



Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
6115 - Lowland Ash	Low Density Pole	5.7	25		trace oak and aspen on scattered upland. diverse stand w/ some ash, alder, willow, marsh grass. lot of 4rose. scattered W seedling/sap. Currently dry. Old beaver activity.
6115 - Lowland Ash	Medium Density Pole	4.9	80		Grnd cov marsh grass. Low level mortality: possible EAB but could be buprestids, etc. also.
4133 - Aspen, Mixed Pine	High Density Sapling	17.7	17		aspen regen from 93 harvest. patch of older R at SW corner. Scattered R, W throughout stand.
42200 - Natural White Pine	Low Density Sapling	25.1	17		Trace blk spruce, bals fir, J. few deep drainages @ S end, & stream bank steep in places. Dissected by stream that is L/N too narrow to delineate. Upland: failed Aspen regen but seeded in to R, W. N 1/2 barely forested, S 1/2 50-75% cover. Ground cover G, almost 50% in upland portion of stand.
4311 - Pine, Aspen Mix	High Density Sapling	2.9	20		Residual supercanopy about 10%: White and red pine. Heavy W and R understory under aspen. Trace of Blk oak.
4133 - Aspen, Mixed Pine	Medium Density	3.7	17		portion of 93 harvest that regenerated well.
4133 - Aspen, Mixed Pine	Medium Density Pole	9.4	31		Sparse stand, aspen is poor quality. About 50% cover. THIS IS NOT AN ASPEN SITE: PLANT PINE WHEN HARVESTED. Some lowland areas. Different soil than stands to east, across N type. Low level of hypoxylon. Trace of tamarack, r map, r oak, serviceberry
42210 - Natural Red Pine	Medium Density Log	4.8	89		Thinned '93, all spp removed xept pine.
42290 - Natural Mixed Pine	Medium Density	8.2	20		Supercanopy residual 5% cover of RP and WP. Most of the stand red and white pine. Barely upland, hummocky. Few ac at s end are treed bog, (but >25% cover)
42210 - Natural Red Pine	Medium Density Log	20.7	86	81-110	Trace of b oak in canoy and sub. thinned 05 or 06. mostly hit target ba. light rR regen, including about 2" seedlings in places (under bracken). Good regen in NW corner. lot of W seeding in too. Lot of X logs. Almost old growth individual tree traits. Age taken from nearby st 32: assumed same age but this stand may be up to 20 yrs older: cant tell b/c was coded uneven aged in 99.
42290 - Natural Mixed Pine	High Density Pole	9.8	Uneven Age		Trace of C, birch, red map, w. spruce, fir all in creek draw that runs along N edge. Upland N of road is R overstory with R/W understory. S of road is R/W supercanopy, A4/A3 and W/R saps, poles. Nearly pure W/R and hummocky @ S end. Multi storied in stand overall but not necessarily in a particular microsite.
4310 - Pine, Oak Mix	Medium Density Log	9.8	Uneven Age		Light ORV activity in this 80. Trace O' black cherry birch and Jack Pine.



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17	4133 - Aspen, Mixed Pine	High Density Sapling	6.8	Uneven Age		Trace of jack pine. Same site/spp as st 21 cut 18 yrs ago: rx left all mature R, O, W and cut aspen. Very good aspen regen and heavy pine coming in (75-80% white) mostly UNDER aspen (will be suppressed). Almost NO oak regen. Without fire this 80 will go toward wh pine/aspen instead of red pine/oak. Red pine seedlings still too small to burn.
19	42290 - Natural Mixed Pine	Medium Density Pole	9.1	27		not aspen. trace or red map. what aspen there is is low si w/ possible hypoxylon. this 40 and the 2 parcels to the N are mostly pine sites (PARVHa) and would go toward pine with Rx fire. Small portion of E end little wetter and hummocky. R/W supercanopy (10-15% cover) is older residual.
20	42260 - Natural Pine, Mixed Deciduous	High Density Log	6.5	74		N 2/3 nearly pure W. S 2/3 like st 21 but not as diverse (good aspen), but only a few ac of it and wld have to be accessed from private
21	4191 - Mixed Upland Deciduous with Conifer	High Density Log	11.0	50	111-140	diverse, mesic fairly good qual upland ready to cut, & good access. lg, old W stumps. tr of balsam fir
22	4311 - Pine, Aspen Mix	Low Density Sapling	7.4	4		clearcut 05. fair aspen regen, lot of W and some R seeding in. tr of blk spruce
23	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	9.1	Uneven Age		Riverbottom and adjoining steep slopes on both sides.
25	4199 - Other Mixed Upland Deciduous	High Density Log	8.5	72	111-140	Good site. oak/aspen converting to wp. good aspen & fair qual oak.
26	4130 - Aspen	High Density Log	11.3	96		Very large aspen just starting to come down.
29	4134 - Aspen, Spruce/Fir	Medium Density Pole	8.4	31		POOR ASPEN SITE; DONT MANAGE FOR ASPEN IN FUTURE. N end wet/hummocky w/ some V type. S end heavier to R and more upland. Lot of fir. Trace of black spruce.
30	4136 - Aspen, Mixed Conifer	Medium Density Pole	12.3	31		Much sparser and heavy pine/fir and more maple, birch @ N end. Considerable white pine and fir understory. Trace of cherry, jack pine, and birch.
32	42210 - Natural Red Pine	Medium Density Log	38.9	75	81-110	Thinned 2005 or 2006. Aspen @ NE and SE just reaching pole size: clearcut while thinning in 2019. Burn will push this area toward pine.
33	4311 - Pine, Aspen Mix	High Density Log	33.4	Uneven Age	141-170	Diverse stand becoming white pine stand. Aspen is old and won't last much longer. Few vernal ponds.
34	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	6.4	90		Vernal pond and surrounding lowland. Tag alder succeeding to mixed lowland forest. Pulled out of stand 32/132. Trace of cedar.
35	42200 - Natural White Pine	High Density Log	21.5	Uneven Age	51-80	Age estimated from adjacent stand 32. Uneven aged: stand has seeded in over years from supercanopy of large W.



Inventory Method: IFMAP

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4125 - Black, N. Pin Oak	Medium Density Pole	31.3	Uneven Age		Heavier to aspen in small portion of SW corner. Much sparser toward E end. Fairly low SI: 58 from P.I. Trace of red pine, birch and cherry.
42200 - Natural White Pine	Low Density Sapling	7.0	6		Aspen regen failed completely. Some r maple sprouting. 35-40% lowland (cedar drainage). Deer browse. 1st age a good estimate ONLY b/c no cutting records. I assume it was part of Rep's access sale.
4125 - Black, N. Pin Oak	Low Density Sapling	82.3	6		heavy deer browse. some oak just getting above browse line. almost all aspen; maple browsed. light white p coming in. heavy sedge cover. barely 25% cover.
6132 - Mixed Lowland Forest with Cedar	High Density Pole	20.2	39		Age est taken from adjacent st 41. Western edge between private and stand 37 is upland & is falsely posted onto state. Tr of Bk sprc and hem, and spc/fir in underst.
6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	13.1	67		Age estimated (probably good est): Assumed this was part of stand 43/44 which was an aspen st harvested '93. Assuming aspen was 50 at time. Trace of birch.
4311 - Pine, Aspen Mix	High Density Pole	34.4	39		Aspen in poor conditin: poor growth and low level hypoxylon. Some large oaks and few saps @ west end. Trace of paper birch and balsam fir.
4122 - Oak, Pine	Medium Density	64.9	Uneven Age		White pine is taking over stand. Heavy V and bracken cover prohibiting additional regen. Denser and little more mesic @ E and W ends. Portions of stand are PvCd w/ raindeer moss. Borderline R/J site but very little pine.
4133 - Aspen, Mixed Pine	Medium Density	22.1	16		Clearcut '93. eitherpoorer (PvCd Kotar) site than st 44 w/ sparser, smaller aspen and high white pine as % OR wetter, w/ moss and hummocky, grading into L or treed bog. Several L type inclusions.
4130 - Aspen	High Density Sapling	43.3	16		Broad N, L drainage through NW corner. Trace of red map, birch and red p.
6118 - Lowland Deciduous with Cedar	Medium Density Pole	5.5	Uneven Age		
42200 - Natural White Pine	Medium Density	14.7	16		
4125 - Black, N. Pin Oak	Low Density Sapling	26.8	29		Similar to st 42 to N but little more mesic site, and has more low areas, including small L type and bog inclusions that have V, moss and wp similar to st 49. Canopy less dense than st 42: just under 50%.
6112 - Lowland Aspen	Medium Density Pole	17.5	84		Creek bottom. Beaver dam @ west end. 20% N type.
6122 - Black Spruce	Low Density Pole	8.4	Uneven Age		Heavy V ground cover.



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52	42200 - Natural White Pine	Medium Density Log	12.2	91	51-80	Shelterwood cut '03 Rep's Access sale #16-'01. 150 BA of aspen, maple oak removed. Light to moderate aspen sprouting and good WP seedling regen about 9" tall. Stands 57, 157 and 64 are accessible from this stand, via ridge above creek. Would have to cross one deep, small creek. Lot of fill and culvert necessary.
53	42260 - Natural Pine, Mixed Deciduous	High Density Log	5.4	Uneven Age	81-110	Buffer left eclectic stand: E 15-20% E of road is lowland maple, birch, w. Aspen is very decadent. Good age estimate using stand 43/44, aspen cut 16 years ago at about 50 yrs old.
55	42200 - Natural White Pine	High Density Pole	9.2	Uneven Age		Buffer left when st 43/44 was cut in 91. Drainage through stand. About 40% lowland. Trace of red pine and paper birch.
56	6127 - Lowland Pine	High Density Pole	36.0	Uneven Age	51-80	Much wetter, hummocky, lower site stand than st 157, with a lot more hardwoods. Portions are very wet with blk ash and alder/willow. Few higher white pine ridges but low qual. Age est taken from adj stand 147, which was probably cut at same time. Trace O' cedar (canopy) n' black ch (sub). Far western 2 ac looks non-for but is filling in with white pine saps.
57	42200 - Natural White Pine	Medium Density Log	37.2	Uneven Age	51-80	Distinctly poorer site than st 57: PvCd or PARVCo Kotar site. Ground cov reindeer moss, Christm greens in places. 10% is slightly wet and hummocky; there are 2 vernal ponds (L/V). This is J site: w is off site due to exclusion of fire. Mature W have extremely poor form.
58	42200 - Natural White Pine	High Density Log	15.6	Uneven Age	81-110	Dissected by several drainages w/ ash, maple, alder. Supercanopy W and R have very poor form. Heavy red maple regen. Must have removed maple at some point and got heavy maple sprouting and almost no W regen. Poor quality stand '99 OI says SI = 58. Ash is green ash.
60	42200 - Natural White Pine	High Density Log	54.9	Uneven Age	81-110	White pine has little better form than usual for unit (low to med qual). PARVHa site (Kotar), so this is good red pine site. SI old OI = 58. Aspen almost completely gone. Grnd cover wintergrn, bracken, some V, moss. Trace of fir in understory.
62	4130 - Aspen	Medium Density	29.3	6		Clearcut 2003: Rep's Access sale, #16-'01. Aspen regenerated fairly well.
63	42200 - Natural White Pine	High Density Log	25.6	50	141-170	Good to fair quality W. Dense enough canopy that W regen is light. R site but richer than st 157: cold manage for R (clearcut and plant but access is questionable through private), or do row thinning in 10 or 20 yrs to manage as W stand. Dense large burnt pine stumps throughout stand (I think white pine). Trace bigtooth aspen, red maple, black oak.
64	4130 - Aspen	Medium Density Pole	28.3	Uneven Age		Very diverse stand. Far NW corner is mixed lowland forest and left as buffer when st 60 was cut. Large grass openings (savannahs) in S, W, and Central part of stand. Portions of stand have high site aspen, portions have very poor aspen that should be allowed to go tto white pine. (The poor aspen is mostly west of road). Trace of Cedar, tam, red oak in canopy and tag alder, tam and blk cherry in understory.



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66	6127 - Lowland Pine	High Density Pole	12.8	Uneven Age		Diverse stand that was probably too wet to cut with adjacent clearcut (st 60) so left as buffer. Age estimated frm southern end of st 163, which is uncut portion of former stand 29. Trace of black oak, red pine, cedar. Trace of blk spruce and tamarack in understory.
68	42200 - Natural White Pine	Medium Density Log	9.7	Uneven Age		Age taken from st 57, whixh this stand was broken out of. N 1/4 of stand is slightly higher ridge with J and R, both w/ good SI. This confirms that this area is R/J sites.
70	42220 - Natural Jack Pine	High Density Sapling	9.4	67		Age taken from southern edge of stand, which was probably uncut part of st 29. Includes fomer st 84: a small R stand thined in 2003. Trace of B spruce and tam in underst.
72	429 - Mixed Upland Conifers	Low Density Sapling	29.2	35		Aspen did not regenerate. Very diverse stand with some small grass openings, V types. Trace of bk sprc, red p, birch, serviceb.
73	6121 - Tamarack	Low Density Sapling	10.9	35		35% upland. Almost 50% forested. Trace of paper birch and pin oak.
74	42200 - Natural White Pine	Medium Density Log	26.7	35		Aspen regen completely failed. Denser and more diverse at west end. Dissected at E end by narrow bog. Trace of cedar, jack pine, birch, blk sprc, red p, blk cherry.
77	42260 - Natural Pine, Mixed Deciduous	High Density Pole	7.8	Uneven Age		White pine supercanopy is 77 yrs old. E end WP, Western 1/4 is aspen, maple, white pine. Uncut "buffer" against private. Supercanopy of white pine residual from harvest.
80	42260 - Natural Pine, Mixed Deciduous	Low Density Sapling	25.1	27		Former st 31: failed to regen, white pine populating stand. About 15% Lowland. Split out of st 74. Trace of red and jack pine, pin oak, balsam poplar, cedar, paper birch, blk spruce, serviceberry.
81	4130 - Aspen	High Density Sapling	56.9	27		Approaching pole sized. Not a high SI: fair aspen site. Lot of small L pockets. Trace black oak, cedar, serviceberry and tam in underst.



Stand	Cover Type	Acres	Gen Cmts:
3	3102 - Grass	1.8	extensive old beaver activity. narrow N along a drainage.
10	122 - Road/Parking Lot	1.3	
12	623 - Emergent Wetland	17.4	90% emergent wetland, 9% willow, 1% tag alder
14	6225 - Bog	3.9	wp and trace of tam, spruce, fir on edges. blueberry
18	3102 - Grass	1.2	Grass with bracken and some scattered red pine.
24	622 - Lowland Shrub	2.9	marsh grass, tag alder
27	623 - Emergent Wetland	11.7	50% bog w/ about 10% spruce/fir and white pine. 40% tag alder /willow mostly around edges and W end. 10% wet meadow.
28	623 - Emergent Wetland	5.3	La Porte Crk floodplain. 15% tree cover: black and choke cherry, W, RM. Tag alder along creek.
31	629 - Mixed non-forested wetland	7.9	Emergent wetland w/ marsh grass, cattails (5%), willow/tag alder on edges (10%), some open water (5%). Recently active but non-functioning beaver dams.
37	623 - Emergent Wetland	2.4	N 58%, L 42%. Small tag alder over marsh grass @ NE end, marsh grass only SW portion.
38	6225 - Bog	3.7	V type with tamarack, white pine (about 10%) but called it treed bog.
54	6225 - Bog	25.0	65% low willow ave ht 4 ft. 35% N/V. Heaver to willow and much shorter shrubs, and higher % N/V than st 56, which is further along in succession and has trees coming in.
59	622 - Lowland Shrub	40.4	90% alder/willow. 5 % wet meadow, 5% trees (ash, maple)
61	622 - Lowland Shrub	7.7	55% L, 35% V, 10% N
65	310 - Herbaceous Openland	15.5	
67	6225 - Bog	4.7	5-10% Tree cover: spruce, tam and wp.
69	6225 - Bog	10.4	60% V, 25% L, 5% Birch, white pine, spruce/fir.



Stand	Cover Type	Acres	Gen Cmts:
71	6225 - Bog	8.7	Shallow flooding (not super wet). Willow (mostly) & tag alder. V @ W end w/ scattered tam, spruce.
75	622 - Lowland Shrub	21.7	5-6 ft tall tag alder and willow. Scattered W, Tam, RM in few places, especially higher, treed "bridge" across neck of western portion, with ORV trail/shooting lane across it.
76	6225 - Bog	2.4	Cattails 87% w/ willow on edges. Several duck boxes.
78	6225 - Bog	11.0	
79	6224 - Treed Bog	40.9	Aspend stnd cut 1982 that didn't regenerate. 5-10% upland "ridges w/ sparse trees. Mix of L and N. WP, Blk ash, bals pop, cedar, tam, red map, blk sprc present.
82	6225 - Bog	5.1	Cattails
83	6225 - Bog	10.2	50% swampgrass, 30% willow@ w end and around edges, 20% cattails.