



Inventory Method: IFMAP

Level 4 Cover Type	Size Density	Acres	Multi- Stored?	1st Age	Canopy Closure	BA Range	Upland / Lowland
1	4130 - Aspen	High Density Pole	7.0	No	60	75-100	Upland
General Comments:							
Mngt Comments: One large clone of good quality aspen logs. Seek WLD input. Possible clear cut for habitat or hold for older age class distribution. Small area/volume.							
2	42220 - Natural Jack Pine	Medium Density Pole	3.2	No	31	50-75	Upland
General Comments:							
Mngt Comments: Multi-aged jack pine that has encroached on a previous non-forested type. Good thick pocket of thermal cover. Retain for that purpose.							
4	42220 - Natural Jack Pine	Medium Density Pole	2.0	No	31	50-75	Upland
General Comments:							
Mngt Comments: Same as pre-inv stand number 2, but does not meet multi-part age criteria: Multi-aged jack pine that has encroached on a previous non-forested type. Good thick pocket of thermal cover. Retain for that purpose.							
5	42110 - Planted Red Pine	High Density Log	27.6	No	58	75-100	111-140 Upland
General Comments:							
Mngt Comments: Basal area is consistently 130. Does not meet silv. criteria, but may want to treat if needed to meet age class distribution targets. Hardwood saps in understory are light, but consistent. Not great quality. Was probably planted alternating rows of red and jack. Trees are knotty/limby and not much potential to produce utility poles.							
6	4119 - Mixed Northern Hardwoods	Low Density Log	3.5	Yes		25-50	Upland
General Comments:							
Mngt Comments: Stand is a mixture of hardwoods ranging from old log sized sugar maple along County Road ROW to sapling sized sugar maple. This area was heavily regenerating to hardwood and was not replanted to red pine as was the adjacent stand.							
7	4319 - Mixed Upland Forest	Medium Density Pole	3.2	No	58	50-75	Upland
General Comments:							
Mngt Comments: This was previously a nonforested stand, but is now an overgrown old homestead site. Road leading into stand was blocked ten years ago because of chronic dumping problems. Stand is multi-aged with oldest age being 57 (time of establishment of adjacent plantations).							
8	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	8.9	No	58	75-100	Lowland
General Comments: Good winter thermal cover, many snags, good coarse woody, many red maple saps/regen.							
Mngt Comments: Age is for aspen component of stand. Actual age of lowland conifers is likely older. I would estimate in the range of 75-85.							
11	42141 - Planted Mixed Pine, Mixed Deciduous	Low Density Sapling	27.6	No	8	25-50	Upland
General Comments: Good natural jack pine regeneration and planted red pine. Not all areas were planted to red pine because some areas were fully stocked with jack pine.							
Mngt Comments:							

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Inventory Method: IFMAP

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	Level 4 Cover Type	Size Density	Acres	Multi- Stored?	1st Age	Canopy Closure	BA Range	Upland / Lowland
12	42121 - Planted Jack Pine, Mixed Deciduous	Medium Density Pole	1.5	No	58	50-75		Upland

**General
Comments:**

**Mngt
Comments:** This is a retention island left from harvest of adjacent stand. There are two vernal ponds in this stand and trees were left to provide shade and source of cwd for these vernal ponds.

13	42110 - Planted Red Pine	High Density Log	25.1	No	58	75-100	171-200	Upland
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**General
Comments:**

**Mngt
Comments:** Clearcut east portion of stand and replant to red pine to help balance out age class distribution. Retain and thin west half of stand to serve as visual management and help break up age class distribution in this compartment.

14	4110 - Sugar Maple Association	High Density Pole	4.2	No	71	75-100	111-140	Upland
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**General
Comments:**

**Mngt
Comments:** Small acreage/low volume, stand is serving as a nice hardwood retention island in an area dominated by planted pine. Do not treat at his time.

15	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	1.0	No	71	75-100		Lowland
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**General
Comments:**

**Mngt
Comments:** DNR blue carsonite corner marker southeast corner of property.

16	42110 - Planted Red Pine	High Density Pole	8.3	No	45	75-100	171-200	Upland
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**General
Comments:**

**Mngt
Comments:** Parcel is designated for disposal. Red pine meets silv. criteria for thinning. Parcel is immediately adjacent to new subdivision.

17	4119 - Mixed Northern Hardwoods	High Density Log	17.6	No	83	75-100		Upland
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**General
Comments:****Mngt
Comments:**

19	6132 - Mixed Lowland Forest with Cedar	High Density Pole	7.0	No	81	75-100		Lowland
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**General
Comments:**

**Mngt
Comments:** Riparian area.

22	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	13.9	No	90	50-75		Lowland
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**General
Comments:**

**Mngt
Comments:** Deer are yarding in this stand.



Stand	Level 4 Cover Type	Size Density	Acres	Multi-Storyed?	1st Age	Canopy Closure	BA Range	Upland / Lowland
23	4123 - Red Oak	High Density Log	20.3	No	81	75-100	111-140	Upland
General Comments: Some large oak sawlogs. Good natural, pole sized, oak regeneration.								
Mngt Comments: Private property to the south has posted no trespassing signs on state land. Need to find corners and paint in line. Possible small red oak sawlog sale to harvest mature sawlog size trees and release advanced regeneration.								
24	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	6.0	No	90	75-100		Lowland
General Comments:								
Mngt Comments:								
26	4199 - Other Mixed Upland Deciduous	High Density Pole	130.9	No	90	75-100		Upland
General Comments:								
Mngt Comments: Some aspen clones were cut in 1976 resulting in the second age class for some of the aspen in this stand.								
28	6113 - Lowland Maple	High Density Pole	3.6	No	32	75-100		Lowland
General Comments:								
Mngt Comments: Small lowland area.								
29	6113 - Lowland Maple	High Density Pole	2.0	No	32	75-100		Lowland
General Comments:								
Mngt Comments: Small lowland area.								
30	42260 - Natural Pine, Mixed Deciduous	High Density Log	13.2	No	98	75-100	171-200	Upland
General Comments:								
Mngt Comments: Access site boundary signs at property line along Betsie River Road. This is part of the Bass Lake Access Site. Nominate as an SCA.								
31	6118 - Lowland Deciduous with Cedar	High Density Pole	14.9	No	113	75-100		Lowland
General Comments:								
Mngt Comments:								
32	4123 - Red Oak	High Density Log	39.6	No	101	75-100	111-140	Upland
General Comments:								
Mngt Comments: Bass Lake Access Site. Nominate as an SCA. Good quality oak stand.								



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Level 4 Cover Type	Size Density	Acres	Multi- Stored?	1st Age	Canopy Closure	BA Range	Upland / Lowland
33	4131 - Aspen, Oak	High Density Pole	65.6	No	33	75-100	Upland
General Comments:							
Mngt Comments:							
34	42101 - Planted White Pine, Mixed Deciduous	High Density Pole	4.1	No	48	75-100	111-140 Upland
General Comments:							
Mngt Comments:							
35	4123 - Red Oak	High Density Pole	6.1	No	60	75-100	Upland
General Comments:							
Mngt Comments: Small vernal pond or bog in stand.							
37	4130 - Aspen	High Density Pole	19.0	No	68	75-100	Upland
General Comments:							
Mngt Comments: Good oak regen in south part of stand. Release oak, and also try to expand aspen into nf stand # 36 which resulted as a result of scotch pine removal last entry period.							
38	42110 - Planted Red Pine	High Density Pole	6.6	No	46	75-100	141-170 Upland
General Comments:							
Mngt Comments: Second thinning. Remove small diameter suppressed trees and poor quality trees by marking.							
40	4130 - Aspen	High Density Pole	6.6	No	68	75-100	Upland
General Comments:							
Mngt Comments: Stand is immediately adjacent to the Betsie River. Riparian concerns. Adjacent aspen (Benzie Co. compartment) is approx. 15 years old. A fairly heavily used campsite as well as river access site are located in this stand.							
41	6120 - Lowland Cedar	High Density Pole	22.4	No	80	75-100	Lowland
General Comments:							
Mngt Comments:							
42	4123 - Red Oak	High Density Log	8.6	No	86	75-100	Upland
General Comments:							
Mngt Comments: Green Lake Access Site. Parks & Recreation administered land.							



Inventory Method: IFMAP

Level 4 Cover Type	Size Density	Acres	Multi- Storied?	1st Age	Canopy Closure	BA Range	Upland / Lowland
43 4199 - Other Mixed Upland Deciduous	High Density Pole	43.1	No	71	75-100		Upland
General Comments:							
Mngt Comments: Stand is inaccessible.							
44 6113 - Lowland Maple	Medium Density Log	24.1	No	96	50-75		Lowland
General Comments:							
Mngt Comments: Riparian stand along Betsie River.							
49 4117 - Mixed N. Hardwood - Pine	High Density Pole	42.2	No	68	75-100	81-110	Upland
General Comments: Some good quality sugar maple logs in middle part of the stand.							
Mngt Comments: Access problems, poor quality road. Riparian concerns along Betsie River. Northern portion of stand has significant white pine component that is serving as a winter deer yarding area.							
51 4112 - Maple, Beech, Cherry Association	Medium Density Log	31.0	No	72	50-75	81-110	Upland
General Comments:							
Mngt Comments: Road/access concerns. Road leading into this area is in need of repair. Road is very rough with numerous large dips and hummocks that are seasonally filled with water and would require repair prior to any proposed logging operations. Riparian area concerns along Betsie River.							
52 6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	11.7	No	101	75-100		Lowland
General Comments:							
Mngt Comments: Inaccessible lowland hardwood stand, riparian area along Betsie River.							
53 6139 - Mixed Lowland Forest	Medium Density Log	5.0	No	81	50-75		Lowland
General Comments:							
Mngt Comments: stand inaccessible except by boat							
56 4111 - S.Maple, Hard Mast Association	High Density Pole	2.2	No	81	75-100		Upland
General Comments:							
Mngt Comments: stand is inaccessible							
58 4124 - Red with White Oak	High Density Pole	18.6	No	106	75-100	111-140	Upland
General Comments: Good white pine regeneration present in subcanopy. Numerous old white pine stumps within stand.							
Mngt Comments: Small inholding remains from an old platted sub. There is a house and they are using a road to access. Previous inventory indicates that survey corners are in. I spoke with one of the landowners and they told me they were unaware of ever having the property surveyed.							



Inventory Method: IFMAP

Stand	Level 4 Cover Type	Size Density	Acres	Multi-Storied?	1st Age	Canopy Closure	BA Range	Upland / Lowland
59	6120 - Lowland Cedar	High Density Pole	73.8	No	101	75-100		Lowland
General Comments:								
Mngt Comments: OI basal area was 170.								
60	4130 - Aspen	High Density Sapling	11.5	No	7	75-100		Upland
General Comments:								
Mngt Comments:								
61	6127 - Lowland Pine	High Density Log	7.2	No	76	75-100		Lowland
General Comments:								
Mngt Comments:								
64	4199 - Other Mixed Upland Deciduous	High Density Log	15.4	No	7	75-100		Upland
General Comments:								
Mngt Comments: Stand treated last entry period. Stand is aspen regen with heavy residual oak/white pine log/poles. Because aspen regen is overtopped by residuals in much of the stand, it is shown both as a canopy species (gaps) and also in the subcanopy.								
65	4130 - Aspen	High Density Sapling	7.6	No	18	75-100		Upland
General Comments:								
Mngt Comments:								
66	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	4.2	No	76	75-100		Lowland
General Comments:								
Mngt Comments: Deer yarding in stand.								
67	4130 - Aspen	High Density Pole	11.3	No	30	75-100		Upland
General Comments:								
Mngt Comments: Manage with adjacent stands in Benzie County compartment 19 when they are treated.								
69	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	1.7	No	65	50-75		Lowland
General Comments:								
Mngt Comments: standing water in half to two thirds of the stand.								



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Level 4 Cover Type	Size Density	Acres	Multi- Stored?	1st Age	Canopy Closure	BA Range	Upland / Lowland
70	4131 - Aspen, Oak	High Density Log	14.3	No	90	75-100	Upland
General Comments:							
Mngt Comments: Non-forested stand in center of this stand is the site of the old Interlochen State Park Dump. Good quality oak and sugar maple between dump site and Youker Rd. Cut aspen to encourage regeneration and retain some large oaks for visual mgnt. and mast production.							
73	4126 - White, Black, N. Pin Oak	High Density Log	7.6	No	98	75-100	81-110 Upland
General Comments:							
Mngt Comments: Need a "white oak" type in the classification system to accurately describe this stand. Small area, long narrow shape with lots of private boundary. No trespass issues.							
75	4111 - S.Maple, Hard Mast Association	High Density Log	10.1	No	96	75-100	Upland
General Comments:							
Mngt Comments:							
78	4139 - Aspen, Mixed Deciduous	High Density Log	5.3	No	81	75-100	Lowland
General Comments:							
Mngt Comments: inaccessible							
79	4111 - S.Maple, Hard Mast Association	High Density Log	5.6	No	96	75-100	Upland
General Comments:							
Mngt Comments:							
80	4199 - Other Mixed Upland Deciduous	High Density Log	16.9	No	118	75-100	51-80 Upland
General Comments: Little evidence of any oak regeneration. Beech is regenerating in stand. Traces of basswood and white ash in canopy.							
Mngt Comments: Stand was treated last entry period.							
81	4130 - Aspen	High Density Sapling	12.5	No	7	75-100	Upland
General Comments: Some good red oak regen in spots. Marked leave tree residuals of oak, red pine, and white pine scattered throughout stand.							
Mngt Comments: Small gravel pit on north edge of stand that extends onto private property. OI notes indicate that this was at one time possibly a dump and/or a shooting range.							
82	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	43.7	No	107	75-100	Lowland
General Comments: OI basal area was 220.							
Mngt Comments: Very wet. Stand has numerous springs and seeps that flow into Horton Creek.							



Inventory Method: IFMAP

Level 4 Cover Type	Size Density	Acres	Multi- Storied?	1st Age	Canopy Closure	BA Range	Upland / Lowland
83	4130 - Aspen	High Density Log	87.0	No	81	75-100	Upland
General Comments:							
Mngt Comments: inaccessible							
84	6119 - Mixed Lowland Deciduous Forest	High Density Log	4.7	No	81	75-100	Lowland
General Comments:							
Mngt Comments: inaccessible							
85	4126 - White, Black, N. Pin Oak	High Density Log	39.7	No	88	75-100	111-140 Upland
General Comments:							
Mngt Comments: many old white pine stumps, white pine regen heavy in spots, stand is in transition back to white pine, this is an isolated forty with many oak/pine age classes present. Good example of pine/oak succession. Allow stand to succeed to white pine. Possible candidate for disposal.							
86	4124 - Red with White Oak	High Density Log	14.8	No	86	75-100	Upland
General Comments:							
Mngt Comments: Very steep slopes. This ridge is visible from the main road and the Village of Karlin, The lower portions of this stand were harvested last entry period and the ridge was intentionally left untreated for visual management concerns. This stand is not scheduled for this reason. Factor limit if necessary.							
87	4123 - Red Oak	High Density Log	89.7	No	78	75-100	81-110 Upland
General Comments: lower quality site (PAr Vbb) blueberry/bracken, red oak is not high quality, white pine saps becoming well established in a few places, evidence of old white pine stumps throughout stand.							
Mngt Comments: Difficult access due to steep slopes on the south and need to cross private on the north. Attempt was made to get permission to cross from the north last entry period, but without success.							
88	4111 - S.Maple, Hard Mast Association	High Density Log	26.0	No	99	75-100	Upland
General Comments:							
Mngt Comments: no access, springs, seeps, creeks separating stand from road							
90	4123 - Red Oak	Medium Density Log	19.5	No	87	50-75	Upland
General Comments:							
Mngt Comments: Two aged stand, aspen cut last entry period.							
91	4124 - Red with White Oak	High Density Log	2.9	No	86	75-100	Upland
General Comments:							
Mngt Comments: Steep slopes omitted from treatment area last entry period. This stand is serving as a retention island. Not scheduled for treatment.							



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Level 4 Cover Type	Size Density	Acres	Multi- Stored?	1st Age	Canopy Closure	BA Range	Upland / Lowland
4131 - Aspen, Oak	High Density Pole	21.8	No	70	75-100		Upland
General Comments:							
Mngt Comments: Two recently cut units in close proximity to this stand.							
4119 - Mixed Northern Hardwoods	High Density Log	20.5	No	94	75-100	141-170	Upland
General Comments:							
Mngt Comments: no access, springs, seeps, creek between stand and State Park Highway.							
4199 - Other Mixed Upland Deciduous	High Density Log	19.8	No	87	75-100		Upland
General Comments:							
Mngt Comments: steep slopes, east aspect.							
6139 - Mixed Lowland Forest	High Density Log	4.8	No	81	75-100		Lowland
General Comments:							
Mngt Comments: inaccessible							
4139 - Aspen, Mixed Deciduous	Medium Density	63.9	No	7	50-75		Upland
General Comments: Scattered residual log sized red oak, white oak, and red pine. More red maple in places with aspen being somewhat sparse in spots. There are however some areas of good oak regeneration. Regen. is somewhat spotty in distribution.							
Mngt Comments:							
4124 - Red with White Oak	High Density Pole	10.8	No	70	75-100	81-110	Upland
General Comments: Traces of beech and white pine saplings in subcanopy.							
Mngt Comments: Stand is on steep slopes and ridge tops. Poor quality soils/site. Based on other experience within this compartment, stand will not regenerate well if treated.							
4126 - White, Black, N. Pin Oak	High Density Log	46.8	No	73	75-100	141-170	Upland
General Comments:							
Mngt Comments: Crown release good quality white oak, encourage wp saps, regenerate patches of aspen where possible, and cut all red maple to create browse. No stage 2 needed, oak wilt is in stands to the east.							
6132 - Mixed Lowland Forest with Cedar	High Density Pole	62.0	No	85	75-100		Lowland
General Comments:							
Mngt Comments: inaccessible, very wet with numerous springs and seeps							



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Level 4 Cover Type	Size Density	Acres	Multi- Storied?	1st Age	Canopy Closure	BA Range	Upland / Lowland
100	4123 - Red Oak	High Density Log	26.3	No	101	75-100	Upland
General Comments:							
Mngt Comments: Stand is located on poor quality site with a south facing aspect and steep slopes. There is a pocket of oak wilt in the stand and on the private property to the north.							
102	4191 - Mixed Upland Deciduous with Conifer	High Density Log	76.5	No	91	75-100	81-110 Upland
General Comments: Natural red pine a prominent and unique feature in this stand.							
Mngt Comments: Stand was designated stand condition 8 in OI, proposed old growth. Steep slopes, good site, visual values (skyline consideration). Site capable of growing red pine on a long rotation.							
103	4130 - Aspen	High Density Sapling	66.2	No	16	75-100	Upland
General Comments:							
Mngt Comments: Aspen regeneration from 1990 timber sale, split out area along ridge top where regeneration was not as successful into pre-inv. stand 112.							
104	4123 - Red Oak	High Density Sapling	9.3	No	29	75-100	Upland
General Comments:							
Mngt Comments:							
105	4130 - Aspen	High Density Sapling	60.3	No	29	75-100	Upland
General Comments:							
Mngt Comments: There are a few sawlog size oak residuals in stand.							
106	4131 - Aspen, Oak	High Density Pole	32.7	No	35	75-100	81-110 Upland
General Comments:							
Mngt Comments: Few scattered large white oaks, good white oak sapling development.							
107	4130 - Aspen	High Density Sapling	12.1	No	18	75-100	Upland
General Comments:							
Mngt Comments:							
110	4131 - Aspen, Oak	High Density Pole	82.8	No	76	75-100	Upland
General Comments:							
Mngt Comments: Possible partial aspen cut being mindful of age class distribution with recent adjacent cuts. Also, some steep slopes that should be avoided.							



	Level 4 Cover Type	Size Density	Acres	Multi- Stored?	1st Age	Canopy Closure	BA Range	Upland / Lowland
111	4130 - Aspen	High Density Pole	39.9	No	41	75-100		Upland
General Comments:								
Mngt Comments:								
112	4123 - Red Oak	Medium Density	9.9	No	16	50-75		Upland
General Comments: sparse regeneration relative to the rest of the area that was treated in 1991-92. Poorer soils and southern aspect no aspen regen in this area.								
Mngt Comments: ORV damage hill climbs. RDR has been filed.								
114	4129 - Mixed Oak	High Density Log	92.2	No	95	75-100		Upland
General Comments:								
Mngt Comments: inaccessible								
118	4124 - Red with White Oak	High Density Log	33.2	No	81	75-100		Upland
General Comments:								
Mngt Comments: OI basal area was 50 square feet. Open grown oaks with scattered clumps of younger age class bigtooth aspen and red maple. Visual management concerns along Nessen Rd. with recent cutting on both sides of this stand. Hold for another ten years before considering any treatments.								
119	4131 - Aspen, Oak	High Density Log	21.1	No	68	75-100		Upland
General Comments:								
Mngt Comments: Possible convert to aspen, but has 17 year old aspen on both sides. Defer to WLD for decision on when to harvest this stand. Steep slopes may make portions of the stand inoperable.								
120	4123 - Red Oak	High Density Log	16.9	No	101	75-100	111-140	Upland
General Comments:								
Mngt Comments: Stand is on a ridgetop and southern aspect. Poor quality site and poor quality trees. These sites do not regenerate well. Possibly hand plant some white pine on these poorer sites.								
121	4131 - Aspen, Oak	High Density Log	98.6	No	72	75-100		Upland
General Comments:								
Mngt Comments: Some pockets of aspen could possibly be treated to regenerate aspen. Also, could remove some poor form oaks. Operability will be limited by steep slopes. Use topos to try and estimate possible treatment areas. One possibility is the area immediately east of the oil processing facility.								
125	4199 - Other Mixed Upland Deciduous	High Density Pole	36.7	No	86	75-100		Upland
General Comments:								
Mngt Comments: Two large aspen regen cuts have been done recently adjacent to this stand. Aspen in stand is younger. Age applies to red oak. Hold stand for age class distribution.								



Stand	Level 4 Cover Type	Size Density	Acres	Multi-Storyed?	1st Age	Canopy Closure	BA Range	Upland / Lowland
126	4131 - Aspen, Oak	High Density Pole	75.4	No	35	75-100		Upland
General Comments:								
Mngt Comments:								
127	4199 - Other Mixed Upland Deciduous	High Density Log	29.9	No	112	75-100	111-140	Upland
General Comments:								
Mngt Comments: Possible red oak saw log sale to harvest mature red oaks.								
128	4130 - Aspen	High Density Sapling	11.6	No	18	75-100		Upland
General Comments:								
Mngt Comments:								
129	4130 - Aspen	High Density Sapling	51.5	No	8	75-100		Upland
General Comments: Scattered residual Log sized white pine and oaks with a few retention islands.								
Mngt Comments: Treated last entry period, good regeneration.								
130	4130 - Aspen	High Density Sapling	10.0	No	8	75-100		Upland
General Comments:								
Mngt Comments:								
131	4123 - Red Oak	High Density Log	17.7	No	76	75-100		Upland
General Comments:								
Mngt Comments: Good quality red oak, but small diameter log size. Hold another 10-20 years before treating.								
133	4131 - Aspen, Oak	High Density Pole	102.8	No	33	75-100		Upland
General Comments:								
Mngt Comments:								
134	4124 - Red with White Oak	Medium Density Log	18.3	No	101	50-75		Upland
General Comments:								
Mngt Comments: Poor quality soil/site. Ridge and south facing aspect with sparse understory. Possibly hand plant white pine and red pine in the understory.								



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135	4199 - Other Mixed Upland Deciduous	High Density Pole	9.5	No	35	75-100		Upland
General Comments:								
Mngt Comments:								
136	4131 - Aspen, Oak	Medium Density Log	17.0	No	101	50-75		Upland
General Comments:								
Mngt Comments: older aspen/oak clear cut with reserves to regenerate aspen and remove mature oaks. Retain a few good quality oaks for mast production if possible.								
137	4199 - Other Mixed Upland Deciduous	High Density Log	133.8	No	86	75-100		Upland
General Comments:								
Mngt Comments: Good quality good size red oak. Stand could support a red oak sawlog sale to remove mature high quality logs. Aspen and red maple are smaller diameter.								
138	4130 - Aspen	High Density Pole	25.4	No	38	75-100		Upland
General Comments:								
Mngt Comments: Stand is in the age class identified as over stocked during the pre-review mtg.								
139	4130 - Aspen	High Density Pole	179.0	No	35	75-100		Upland
General Comments:								
Mngt Comments: Stand is in the age class that was identified as over stocked in this compartment during the pre-inventory review. Several good possibilities to create smaller aspen regen cuts in this stand.								
141	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	1.2	No	86	50-75		Lowland
General Comments: Small spring/seep surrounded by hemlock in an area otherwise dominated by upland aspen/oak. This is a small, but unique feature in this part of the compartment.								
Mngt Comments:								
143	4130 - Aspen	High Density Pole	146.3	No	35	75-100		Upland
General Comments: Good quality site, probably a kotar AFO, a few trillium in spots to the east end of stand.								
Mngt Comments: Stand result of continuous cutting in this area from 1970 through 1975. Good opportunities to treat portions of this stand to break up an over stocking of this age class in this compartment per preinventory mtg recommendations. Retain beech, oak, and pockets of hardwood where they exist.								
144	4130 - Aspen	High Density Sapling	4.6	No	16	75-100		Upland
General Comments:								
Mngt Comments:								



Inventory Method: IFMAP

	Level 4 Cover Type	Size Density	Acres	Multi- Stored?	1st Age	Canopy Closure	BA Range	Upland / Lowland
145	4131 - Aspen, Oak	High Density Pole	85.4	No	42	75-100		Upland
General Comments:								
Mngt Comments: Many old white pine stumps in stand, but no white pine in canopy or sub-canopy. WLD was successful in their efforts to remove white pine during their treatments in the late sixties and early seventies throughout this stand and much of this compartment.								
146	4199 - Other Mixed Upland Deciduous	High Density Log	44.7	No	86	75-100		Upland
General Comments:								
Mngt Comments: Stand very similar to pre-inv # 150, but with more of a red oak component. Mature good quality red oaks in stand. Mark a light selection to harvest mature red oaks.								
147	4112 - Maple, Beech, Cherry Association	High Density Sapling	7.7	No	16	75-100		Upland
General Comments:								
Mngt Comments:								
148	4123 - Red Oak	High Density Pole	11.2	No	47	75-100		Upland
General Comments: Nice young oak pole stand with a few larger, older red oaks in the stand.								
Mngt Comments:								
149	4119 - Mixed Northern Hardwoods	High Density Log	56.3	No	86	75-100		Upland
General Comments:								
Mngt Comments: Sugar maple is smaller diameter, but some large red oak logs in stand. Consider harvesting some of the mature red oaks. Stand is very hilly with steep slopes and will present some accessibility issues. May want to selectively remove some red oak in conjunction with treatment in stand west of power line (preinv. # 146).								
151	42110 - Planted Red Pine	High Density Pole	2.6	No	37	75-100	171-200	Upland
General Comments:								
Mngt Comments: stand meets silv. criteria, good candidate for conversion to aspen/hardwood or retain, WLD may want to retain because this is the only thick conifer cover in this part of the compartment. Stand may have some value if left for winter turkey roosting cover or other winter thermal cover.								



Stand	Cover Type	Acres	Gen Cmts:	Mgt Cmts:
3	3302 - Low Density Conifer Trees	2.3	hoary alysum, milkweed, some rice grass.	Hand fell or bush hog ip saplings. This opening should then be planted to suitable herbaceous cover/forage. Soil looks pretty bad.
9	6229 - Mixed lowland shrub	1.0	Buckthorn? dogwood sp, willow shrub, iris, ferns, grass spp.	Monitor for Glossy Buckthorn along with stand 72 and others.
10	6229 - Mixed lowland shrub	3.0		Check for glossy buckthorn. Manage in conjunction with stand 72.
18	3303 - Mixed Low Density Trees	8.0		Isolated 40 acres of state land. North border is US-31 and subdivision adjacent to west.
20	3104 - Degraded	37.8		Old RR grade with nice two track.
21	3105 - Mixed Upland Herbaceous	3.0	Two track access. In an isolated 40 acre parcel but not land locked. Opening borders private.	Some garbage here. Otherwise nothing needed at this time.
25	3103 - Rubus-Fern	8.2	Occasional rubus and juneberry. Scattered saplings and seedlings of listed tree species. Skw, sjw, sheep sorrel, lycopodium, hawkweed, hoary alyssum, goats beard, strawberry, mint. Scattered islands of pine, oak, and cherry.	Bracken dominates most of this stand and little else growing under bracken. This stand looks like a good spot for a wildlife food planting, except for the fact that it borders private. Terrain is mostly flat and tillable. Private immediately to the north. Oak willt? If planting, concentrate planting whre bracken is dominate but leave some bracken as cover. Hand felling will take 2 people about 1 day.
27	3103 - Rubus-Fern	7.9	Blue bird box. Scatt old apple trees. patches of lycopodium. Occasional strawberry and juneberry. Some poverty grass. Minor deer browse on aspen suckers. Unlisted species is a grouping of skw, sjw, hawkweed, haory alyssum.	Loosing acreage to woody encroachment. Should do some hand felling in SW and NE fingers. Virtually no forage species present. All of NF portion is dominated by bracken. If aything is planted , confine to east end away from road. But consider proximity to busy county road.
36	3103 - Rubus-Fern	1.8		Old timber landing. Will probably be used as timber landing again. May need some work during next rotation but good for now.



Stand	Cover Type	Acres	Gen Cmts:	Mgt Cmts:
39	6229 - Mixed lowland shrub	2.0	Lowland shrub stand along Betsie River.	Monitor for Glossy Buckthorn along with stand 72 and others.
45	50 - Water	10.7	Betsie River	
46	6239 - Mixed Emergent Wetland	1.4	Along the Betsie River.	Monitor for Glossy Buckthorn along with stand 72 and others.
47	3103 - Rubus-Fern	3.7		Very tillable but next to private on south and east. Decent sized cedar stand only several chains to the north. Proximity to winter yarding habitat would make this a nice location for late fall early spring forage planting (i.e. annual rye or Canada wild rye).
48	6239 - Mixed Emergent Wetland	4.9	Along the Betsie River	Monitor for Glossy Buckthorn along with stand 72 and others.
50	6229 - Mixed lowland shrub	12.8	Along the Betsie River	Monitor for Glossy Buckthorn along with stand 72 and others.
54	6229 - Mixed lowland shrub	7.8	On Duck Lake.	Monitor for Glossy Buckthorn along with stand 72 and others.
55	3303 - Mixed Low Density Trees	23.3	Some truck damage. Lycopodium, sheep sorrel, old bear damage to shrubs.	Very tillable. Very minor encroachment of saplings from pole/log trees. Borders private to south and east. Some qa encroachment in SW. Could use 6x6 Ranger and brush whacker and take out some wp saplings and seedlings.
57	6239 - Mixed Emergent Wetland	2.4	On Duck Lake.	Monitor for Glossy Buckthorn along with stand 72 and others.
62	6229 - Mixed lowland shrub	4.6	Extension of stand 72.	Monitor for Glossy Buckthorn along with stand 72 and others.
63	11 - Low Intensity Urban	6.3	Youker Rd and utility ROW.	
68	3105 - Mixed Upland Herbaceous	1.4		
71	50 - Water	2.4		



Stand	Cover Type	Acres	Gen Cmts:	Mgt Cmts:
72	6229 - Mixed lowland shrub	11.6	Also found leatherleaf, rushes, alder, vib. sp., willow shrubs, tamarack, rm, and wp.	Glossy Buchthorn infestation verified by MNFI botanist in Aug 2007. Work with MNFI to create monitoring, containment, and/or treatment strategy.
74	3103 - Rubus-Fern	14.4	Two apple trees. Shallow depression on west side. Scattered pine saps and blueberry.	Easy access. South lobe of stand borders private property to the south. If planting is needed the north lobe of this stand would work, consider fact that there is a rye field further to the north. Otherwise, there is minor qa encroachment. Should at least prune apple trees.
76	6229 - Mixed lowland shrub	70.5	Part of Duck Lake system.	Monitor for Glossy Buckthorn along with stand 72 and others.
77	6229 - Mixed lowland shrub	19.7	Part of Duck Lake system.	Monitor for Glossy Buckthorn along with stand 72 and others.
89	3102 - Grass	1.3		Mow and fertilize periodically to maintain grass and clover.
101	3105 - Mixed Upland Herbaceous	2.9	Well pad access road through stand.	
108	3104 - Degraded	1.6	Some hawkweed.	Old well site. Red pine planted in several rows along perimeter is now 5"+. Appears to have been planted to grass but the take is sparse. This will make a great wildlife opening. Recondition soil and plant to suitable forage species. Should gate, or at least sign the access road
109	3202 - Autumn Olive/Honeysuckle	2.4		
113	11 - Low Intensity Urban	2.7	Active well site.	
115	3105 - Mixed Upland Herbaceous	1.2	Could be used as timber landing for adjacent sale and then reconditioned.	



Stand	Cover Type	Acres	Gen Cmts:	Mgt Cmts:
116	3202 - Autumn Olive/Honeysuckle	1.9		Healthy autumn olive planting. ABOUT 10% of stand is in herbaceous cover in W corner. Could treat and replant herbaceous portion if doing other work in the compartment. Moderate amount of grass among AO. Two track through stand.
117	11 - Low Intensity Urban	1.6	Active well site.	
122	3105 - Mixed Upland Herbaceous	20.4	Utility ROW along side of Nessen City Rd.	
123	3105 - Mixed Upland Herbaceous	2.0	Some old logging slash. AO in south corner. Milkweed, bladder campion, hoary alyssum, lambs quarter, sheep sorrel.	Remove trash. Stabilize and revegetate sand hill. Plant herbaceous portion to suitable forage species. Two track bisects stand. Some old log
124	3104 - Degraded	1.0	Couple of autumn olive along perimeter. This will make a good wildlife opening. Several log sized oak and beech along perimeter. Sheep sorrel.	Abandoned well pad. Sparse grass. Soil needs reconditioning and replanted to suitable forage species. There was a small wildfire in this stand and adjacent A3. Gate or at least sign access road.
132	3105 - Mixed Upland Herbaceous	1.0	Portion of a well pad that is mostly on private property.	
140	3202 - Autumn Olive/Honeysuckle	3.0	AO appears healthy. Bird nests in AO. Lots of exposed sand with some bracken coming in. Mullin, sheep sorrel.	
142	3105 - Mixed Upland Herbaceous	17.8	Traces of bb, strawberry, winter green, cladonia, bta and oak seedlings, rubus, daisies, clover, sjw. Wild columbine along wood edge.	Should look into possibility of establishing a food plot here, since this is already a heavily managed stand. Tillable portion has mainly bracken and sedge, but with some strawberry, seedlings, goldenrod, rubus, hawkweed, and minimal grass.
150	6225 - Bog	2.4	Large bb species. Various forb species.	



SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Inventory Method: IFMAP

Stand	SCA Name	Acres	Comments
SCA	61060_SCA	482.0	SCA, potential old growth, bio-diversity,natural area,etc. Seek MNFI survey to determine ecological value of this area.
30	61060030	13.2	Stand is part of a parcel containing Bass Lake Access Site. PRD has signs indicating "Access Site Boundary" placed out at Betsie River Rd. Nominate as an SCA, bio-diversity/old growth and access site.
32	61060032	39.6	Stand is part of a parcel containing Bass Lake Access Site. PRD has signs indicating "Access Site Boundary" placed out at Betsie River Rd. Nominate as an SCA, bio-diversity/old growth and access site.
102	61060102	76.5	Stand was designated stand condition 8 in OI, proposed old growth. Steep slopes, good site, visual values (skyline consideration). Site capable of growing red pine on a long rotation.