APPENDIX B

VEGETATION REPORT

FINAL

ENVIRONMENTAL IMPACT STATEMENT

SPRING CREEK PROJECT

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SECTION 1 - BACKGROUND

Historical Perspective

See Chapter 3, Affected Environment & Environmental Consequences for a discussion of the vegetative history of the Spring Creek Project Area (SCPA).

SECTION 2 - CURRENT CONDITIONS

Summary of the Spring Creek Present Condition

Tree species commonly found in the SCPA include the following: black cherry, red and sugar maple, black and yellow birch, eastern hemlock, American beech, tulip poplar and red oak. The National Forest land within the SCPA is 97% forestland. The most common forest types in the SCPA include mixed upland hardwoods (red maple, black cherry, hemlock, birch) at 36%, Allegheny hardwoods (predominantly black cherry, white ash, and/or tulip poplar) at 32%, dry site red maple (predominantly red maple with black cherry, sugar maple and American beech) at 12%, northern hardwoods (predominantly sugar maple, American beech, and yellow birch) at 8%, and red pine (predominantly planted red pine) at 5 % (see Table 1).

Besides forested land, permanent openings, including rights-of-way, make up about 3% of the National Forest area (Table 1) and generally consist of lowland shrubs, upland shrubs, or ferns and grasses. Some of the riparian-bottom openings have sparsely stocked, open growing trees in them, but have been classified as permanent openings for management purposes. Permanent openings are needed by wildlife for a variety of reasons and are a key component of a diverse landscape in a healthy ecosystem.

There is a substantial difference in the amount of existing permanent openings by management area within the project area. The percentage of permanent openings is highest in MA 6.3 (73%) and MA 1.0 (13%) and lowest in MA 6.1 (4%) and MA 3.0 (3%).

As expected, there are also some substantial differences in forest type composition by management area. Allegheny hardwoods are most abundant in MA 3.0 (34%), and together with upland hardwoods (37%) occupy more than 70% of the area. Allegheny hardwoods and upland hardwoods occupy approximately 50% of MA 6.1 and 27% of MA 6.3. Red maple and upland hardwood forest types constitute more than 70% of MA 1.0.

Table 1: SCPA Forest Type/Management Area Summary

Forest Type	Management Area								Total Project Acres	
	MA 1.0		MA 3.0		MA 6.1		MA 6.3			
	Acres	% of MA	Acres	% of MA	Acres	% of MA	Acres	% of MA	Acres	% of Project
Red Pine	0	0%	1,657	5%	421	10%	0	0%	2,078	5%
White Pine	0	0%	8	<1%	0	0%	0	0%	8	<1%
Hemlock	0	0%	300	1%	83	2%	0	0%	383	1%
Tamarack	20	3%	0	0%	21	1%	0	0%	41	<1%
White & Norway Spruce	0	0%	116	<1%	318	8%	0	0%	434	1%
N. Red Oak	0	0%	75	<1%	15	<1%	0	0%	90	<1%

Forest Type	Management Area								Total Project Acres	
	MA 1.0		MA 3.0		MA 6.1		MA 6.3			
	Acres	% of MA	Acres	% of MA	Acres	% of MA	Acres	% of MA	Acres	% of Project
Oak/Transition Hardwood	0	0%	82	<1%	32	1%	0	0%	114	<1%
Red Maple (wet site)	0	0%	225	1%	5	<1%	0	0%	230	1%
Mixed Lowland Hardwood	0	0%	102	<1%	73	2%	0	0%	175	<1%
Northern Hardwood	8	1%	2,914	8%	211	5%	0	0%	3,133	8%
Allegheny Hardwood	51	9%	11,821	34%	935	22%	20	27%	12,827	32%
Red Maple (dry site)	294	51%	3,638	10%	635	15%	0	0%	4,568	12%
Sugar Maple	0	0%	21	<1%	0	0%	0	0%	21	<1%
American Beech	0	0%	46	<1%	0	0%	0	0%	46	<1%
Black Birch	0	0%	2	<1%	0	0%	0	0%	2	<1%
Mixed Upland Hardwood	124	21%	12,847	37%	1,218	29%	0	0%	14,189	36%
Aspen	9	2%	116	<1%	34	1%	0	0%	159	<1%
Total Acres of Forested Cover	**505**	**87%**	**33,968**	**97%**	**4,002**	**96%**	**20**	**27%**	**38,495**	**97%**
% Forest Cover of Project Area		**1%**		**86%**		**10%**		**0%**		**97%**
Opening										
Lowland Shrub	0	0%	76	<1%	21	<1%	0	<1%	97	<1%
Upland Shrub	0	0%	38	<1%	4	<1%	0	<1%	42	<1%
Opening	73	13%	791	2%	141	3%	53	73%	1,058	3%
Total Acres	**73**	**13%**	**905**	**3%**	**166**	**4%**	**53**	**73%**	**1,197**	**3%**
Total Project Acres by MA	**578**		**34,873**		**4,168**		**72**		**39,692**	
% of Total Project Area		**1%**		**88%**		**11%**		**<1%**		**100%**

Temporary openings, typically forested areas in transition from seedlings to saplings, have been harvested within the last 0 – 15 years and account for 7% of the National Forest land in the project area (Table 2).

The National Forest land within the SCPA is for the most part mature forestland, with 78% of the area in the 51 – 110 year old class. The younger age classes, 1 – 10, 11 – 20, 21 – 50 represent 17% of the land area (see Table 2). Stands that are 111+ years old (potential old growth) only make up 1% of the National Forest land within the SCPA. Twenty three percent of the National Forest land within the SCPA is within 20 years of the 111+ age class (see also Table 5), and six percent is within 10 years.

As would be expected based on the management objectives of each management area, there are substantial differences in age class distribution between them within SCPA. The amount of 51-110

year-old age class ranges from 28% of MA 6.3 to 83% of MA 6.1. MA 1.0 and MA 3.0 contain substantial amounts of this age class, with 66% and 78%, respectively. All of the 111+ age class exists in MA 3.0, representing 2% of that management area. The amount of 0-20 year-old age class is highest in MA 1.0 (14%) followed by MA 3.0 (11%) and MA 6.1 (7%). The 0-20 year-old age class does not exist (0%) in MA 6.3.

Table 2: SCPA Age Class/Management Area Summary

Age Class	MA 1.0		MA 3.0		MA 6.1		MA 6.3		Project	
	Acres	% of MA	Acres	% of MA	Acres	% of MA	Acres	% of MA	Acres	% of Project
0 - 10	59	10%	1,918	6%	5	<1%	0	0%	1,982	5%
11 - 20	23	4%	1,874	5%	272	7%	0	0%	2,169	5%
21 - 50	42	7%	2,462	7%	265	6%	0	0%	2,769	7%
51 - 110	383	66%	27,161	78%	3,461	83%	20	28%	31,025	78%
111+	0	0%	551	2%	0	0%	0	0%	551	1%
Total Acres of Forest Cover	507	87%	33,966	97%	4,003	96%	20	28%	38,496	97%
% of Forest Cover of Project Area		1%		86%		10%		<1%		97%
Opening	73	13%	905	3%	166	4%	52	72%	1,196	3%
Total	**580**		**34,871**		**4,169**		**72**		**39,692**	

Deer browsing has had a major impact on the regeneration and development of forest understories and wildlife habitat (Tilghman, 1989, Jones, et al, 1993, deCalesta, 1994). Many tree species are dependent upon advanced regeneration being present before harvest. Because of competition from interfering plants and extensive browsing by deer, this advanced regeneration and many herbaceous species are often absent in major portions of the project area. Some of the project area, however, has started showing signs of recovery in recent years with the presence of tree seedlings, shrubs and herbaceous plants. Even so, interfering plant species (hay-scented and New York fern, grasses and sedges, beech root suckers, and striped maple) fill the growing space vacated by seedlings and plants browsed over time. These interfering plants cast dense shade at the forest floor level, and interfere with the establishment and survival of natural regeneration.

Looking at stands that have interfering plants on at least 30% of the plots sampled (Horsley, et al, in Marquis, 1994, p 216), approximately 95% of the stands being proposed for treatment in any of the alternatives now have interfering understory vegetation (see Table 3). Ferns are the dominant form of interference, ranging from 57% in Alternative 4 to 64% in Alternative 3. Beech and striped maple are the next most dominant form of interference, ranging from 48% of Alternative 2 to a high of 60% in Alternative 4.

Table 3: Spring Creek Treatment Areas - Present Stocking of Plants that Interfere with Tree Seedling Development (≥ 30% of Plots Stocked with Interfering Plants)

	Treatment Areas (Acres)							
Interfering Plant Category	**Sum Total of Treatment Areas**	**Alt. 1**	**Alt. 2**		**Alt. 3**		**Alt. 4**	
Fern	2673	0	2673	62%	2562	64%	1663	57%
Grass	895	0	895	21%	822	20%	560	19%
Beech/Striped Maple	2097	0	2097	48%	1959	49%	1741	60%
Total Interference	4088	0	4088	94%	3770	94%	2791	96%
Total Treatment Areas	**4338**	**0**	**4338**	**100%**	**4020**	**100%**	**2903**	**100%**

Even if we consider only those stands that contain interfering vegetation on at least 80% of the plots sampled (and Table 4), we find that slightly more than 50% of the proposed treatment areas in each alternative are abundantly stocked with plants that severely limit tree seedling establishment and growth. In Alternative 2 and Alternative 3, ferns are the most dominant form of dense interference, followed by beech and striped maple. In Alternative 4, the percentages of plots densely stocked with ferns and beech/striped maple are basically equal (10% and 11%, respectively).

Table 4: Spring Creek Treatment Areas - Present Stocking of Plants that Interfere with Tree Seedling Development (≥ 80% of Plots Stocked with Interfering Plants)

	Treatment Areas (Acres)							
Interfering Plant Category	**Sum Total of Treatment Areas**	**Alt. 1**	**Alt. 2**		**Alt. 3**		**Alt. 4**	
Fern	755	0	755	17%	692	17%	279	10%
Grass	226	0	226	5%	173	4%	67	2%
Beech/Striped Maple	357	0	357	8%	357	9%	328	11%
Total Interference	**2312**	**0**	**2312**	**53%**	**2158**	**54%**	**1459**	**50%**
Total Treatment Areas	**4338**	**0**	**4338**	**100%**	**4020**	**100%**	**2903**	**100%**

Additional details regarding the older age classes (91-100, 101-110, 111+) are displayed in Table 5, namely acres of each of these age classes by forest type and management area. Major differences in their distribution noted in the table include the following:

- All 550 acres of the 111+ age class are located in MA 3.0. This age class is predominantly (91%) in the Northern hardwood and upland hardwood forest types, with the remaining 9% in the Allegheny hardwood and red maple forest types.
- All of the 101 to 110 age class is located in MA 3.0. It consists primarily of upland hardwoods (57%), with 40% in a combination of Northern hardwoods, Allegheny hardwoods, and red maple.
- Almost all (98%) of the 91-100 age class is in MA 3.0. Upland hardwoods constitute 46% of this age class, while 50% of it consists of a mixture of Northern hardwoods, Allegheny hardwoods, and red maple.

Table 5: Forest Types in the 91 - 100, 101 - 110, and 111+ age classes by MA for the SCPA

Forest Type	MA 1.0			MA 3.0			MA 6.1			MA 6.3			Project Area		
	91 - 100	101 - 110	111+	91 - 100	101 - 110	111+	91 - 100	101 - 110	111+	91 - 100	101 - 110	111+	91 - 100	101 - 110	111+
Red Pine	0	0	0	0	14	0	3	0	0	0	0	0	3	14	0
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hemlock	0	0	0	72	13	0	0	0	0	0	0	0	72	13	0
Tamarack	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
White & Norway Spruce	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N. Red Oak	0	0	0	49	0	0	0	0	0	0	0	0	49	0	0
Oak /Hardwood Transition	0	0	0	36	0	0	0	0	0	0	0	0	36	0	0
Red Maple (wet site)	0	0	0	62	33	0	0	0	0	0	0	0	62	33	0
Mixed Lowland Hardwood	0	0	0	0	13	0	0	0	0	0	0	0	0	13	0
Northern Hardwood	0	0	0	610	405	261	0	0	0	0	0	0	610	405	261
Allegheny Hardwood	0	0	0	1,588	421	40	41	0	0	0	0	0	1,629	421	40
Red Maple (dry site)	0	0	0	1,012	204	9	38	0	0	0	0	0	1,050	204	9
Sugar Maple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
American Beech	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Black Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mixed Upland Hardwood	0	0	0	2,963	1,448	242	77	0	0	0	0	0	3,040	1,448	242
Aspen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**0**	**0**	**0**	**6,390**	**2,549**	**551**	**160**	**0**	**0**	**0**	**0**	**0**	**6,550**	**2,549**	**551**

On July 21, 2003, the ANF was struck by a major wind event. Damage has been recorded from the western edge to the eastern edge of the Forest. The northern portion of the SCPA was affected. ANF staff members conducted both aerial and ground surveys to determine the extent of the damage. Approximately 1,200+ acres were affected within Spring Creek. The nature of the damaged areas varies from total stand replacement to small groups or scattered individual trees. The damage varied from blown over trees, to split or snapped stems or broken tops. The treatment proposed includes 819 acres in Alternatives 2 and 3, and 799 acres in Alternative 4, all of which is MA 3.0 (Table 13). Approximately 380 acres of the total 1200+ acres of blowdown were excluded from this analysis for the following reasons: 1) it occurred in very small, widely scattered areas in MA 3.0; 2) it occurred in small, scattered areas in MA 6.1 and contributed to conditions desired on those sites; and 3) it occurred at locations covered by other decisions.

The condition of these stands is similar to that of other Spring Creek stands. The damage tended to occur more in the older stands, greater than 50 years old (see Table 6) and in a variety of forest types. Understory conditions are also similar: fern and grass dominate 89% of the stand area, beech and striped maple dominate in 62% of the stand area, with a total combined interference of 100% of the blow down area (see Table 7).

Table 6: Proposed Treatment Acres for Stand Replacement Damaged Stands by Forest Type and Age Class for the SCPA

Forest Type	51-60	61-70	71-80	81-90	91-100	101-110	110+	Total
Red Pine	7	11						**18**
Allegheny Hardwoods			24	58	95	31		**208**
Red Maple (dry site)				13	71	13		**97**
Mixed Upland Hardwoods			29	66	153	37	3	**288**
Total	**7**	**11**	**53**	**137**	**319**	**81**	**3**	**611**

Table 7: Vegetation Interfering with the Establishment and Development of Tree Seedlings in Stands that had Stand Replacement Damage

	Acres	% of Blow Down Area
Fern/Grass	566	66
Beech/Striped Maple	401	47
Total Interference	**611**	**72**

Spring Creek Present Condition Stand Data

Due to the size of the project, the condition of vegetation and site characteristics found within stands where treatments are proposed in the SCPA will be used to describe the current situation. Chapter 3, Vegetation Section, provides additional information on the present condition of vegetation in the SCPA. Three general categories of information are presented – overstory characteristics, understory/midstory

characteristics, and site characteristics. The stand-level information presented in Table 8 is used to quantify the present condition of vegetation within treatment stands. It is also used as the basis for the development of treatments that respond to the management objectives described in the different alternatives. And finally, it will be useful as a basis for estimating the outcomes that result from the implementation of each alternative.

Each of the values presented in Table 8 are evaluated at the stand level. They represent site-specific data that was gathered and validated for use in the Spring Creek watershed. There are two possible sources of data for this Table 8:

Current Stand Exam – this includes stands where recent stand examination data were used to calculate or assign values. Stand data were evaluated using SILVAH (Marquis et al, 1992, p. 27-55). Minor adjustment to some values may have been made by prescribers, based upon further evaluation of site conditions, using best professional judgment.

Prescriber Estimates – this includes stands where recent stand examination data was not available. Present condition was defined by assessments made by stand prescribers during on-site visits using best professional judgment. Updates to these values may have been made based upon additional field visits or stand delineation adjustment.

The present condition data set is the basis for many of the tables included in Chapter 3, Vegetation Section of the DEIS. Additional summaries of the present condition are available in the project file.

PRESENT CONDITION TABLE DEFINITIONS (TABLE 8)

1. **Compartment** - Land areas on the ANF are subdivided into units called compartments (normally 500 to 1,000 acres in size). Compartment boundaries usually follow roads, streams, ridgelines or some other identifiable boundary.
2. **Stand** - Land areas within compartments are further subdivided into stands. Stand boundaries are defined as areas with similar species distribution, stocking, and age. Previous and on-going management decisions, and site capability/management limitations also determine stand boundaries.
3. **Acres** - Stand acreage calculated using Geographic Information System polygons.
4. **Objective** - Identifies the primary objective considered when selecting stand treatments.
    a. **Sal** = Salvage - For thinnings and regeneration harvests, where more than 50% of the volume is dead or dying.
    b. **Grn** = Green - For thinnings, used where more than 50% of the volume is from healthy trees. For regeneration harvests, used where healthy relative density is > 40%.
    c. **Cat** = Catastrophic - For regeneration harvests, where the healthy relative density is $\leq$ 40% due to catastrophic event.
5. **Overstory Characteristics** – Seven data fields are used to describe the current overstory condition found within each stand.
    a. **Forest Type** – Current forest type for a stand. Reflects basal area of healthy trees found within the stand. Basal area of dead or dying trees is not included.
        i. **02** = Red pine - 50% or more of the basal area is composed of red pine
        ii. **16** = White spruce/Norway spruce - 50% or more of the basal area is composed of the combination of white spruce and Norway spruce
        iii. **55** = Northern red oak - 50% or more of the basal area is composed of northern red oak

iv. **56** = Oak hardwood transition type - No one species has the majority, oak, usually red oak, is a significant percentage of the basal area in combination with red maple, yellow poplar, black cherry and cucumber.
v. **81** = Northern hardwoods - 50% or more of the basal area is composed of the combination of sugar maple, beech, yellow birch or hemlock
vi. **83** = Allegheny hardwoods - 50% or more of the basal area is composed of the combination of black cherry, yellow poplar or white ash.
vii. **84** = Red maple - 50% or more of the basal area is composed of red maple
viii. **89** = Upland hardwood - 50% or more of the basal area is composed of red maple, black cherry, yellow poplar, white ash, basswood, or cucumber

b. **Year Origin** – Reflects the calendar year that the stand originated. Year of origin may be determined by counting annual rings or by using stand age calculated by SILVAH. Where new stands have been established through natural regeneration, the year of origin would be the year that site preparation was completed or the year that the regeneration harvest took place.
c. **Total Relative Density** – A measure used to describe the degree of crowding found within a stand based on the growing space requirements of individual tree species. The value reflects the relative stand density (a measure of stocking calculated by SILVAH) for healthy trees within each stand. In seedling/sapling stands, total relative density represents the percentage of the stand area that is occupied.
d. **Total Basal Area** - The cross-sectional area of tree bole (stem) at breast height. Here it is expressed as an average for all trees sampled in the stand as a whole, in square feet per acre.
e. **Additional Risk** - The portion of the Total Basal Area that is at risk of dying within the next 5 to 10 years, but is not indicated by crown health.
f. **Healthy Relative Density** – The portion of the Total Relative Density that has had the "at risk" relative density removed.
g. **Healthy Basal Area** – The portion of the Total Basal Area that has had the "at risk" basal area removed.

6. **Understory Characteristics** – Five data fields are used to describe the condition of vegetation found within the understory. These fields describe vegetation found between the forest floor and 30 feet in height.
   a. **Regen Class** – The percent of plots stocked with at least the minimum numbers of seedlings required for Allegheny hardwood regeneration (25 seedlings per plot) or Northern hardwood regeneration (100 seedlings per plot) (Marquis, 1992, p. 45). Five categories are used:
      i. **1** = 0- 29% of plots stocked with minimum seedlings required
      ii. **2** = 30-49% of plots stocked with minimum seedlings required
      iii. **3** = 50-69% of plots stocked with minimum seedlings required
      iv. **4** = 70- 100% of plots stocked with minimum seedlings required
      v. **9 =** Less than 70% stocking; precise value not known
   b. **Beech Striped Maple Class** – Beech/Striped Maple Class – The percent of plots stocked with 8 or more beech or striped maple stems (Marquis, 1992, p. 46). Five categories are used:
      i. **0** = 0
      ii. **1** = 1- 29% of plots stocked with beech/striped maple
      iii. **2** = 30-49% of plots stocked with beech/striped maple
      iv. **3** = 50-79% of plots stocked with beech/striped maple
      v. **4** = 80- 100% of plots stocked with beech/striped maple

c. **Fern/Grass Class** - The percent of plots stocked with 30% or more fern and/or grass cover (Marquis, 1992, p. 46). Five categories are used:
   i. **0** = 0
   ii. **1** = 1- 29% of plots stocked with at least 30% fern or grass
   iii. **2** = 30-49% of plots stocked with at least 30% fern or grass
   iv. **3** = 50-79% of plots stocked with at least 30% fern or grass
   v. **4** = 80- 100% of plots stocked with at least 30% fern or grass
d. **Birch Class** – The percent of plots stocked with a minimum of 2 birch seedlings per plot.
   i. **0** = No birch seedlings found
   ii. **1** = 1- 29% of plots stocked with minimum seedlings required
   iii. **2** = 30-49% of plots stocked with minimum seedlings required
   iv. **3** = 50-79% of plots stocked with minimum seedlings required
   v. **4** = 80- 100% of plots stocked with minimum seedlings required
e. **Midstory Class** –The amount of vegetation between 10 and 30 feet tall that is currently in the stand. Tree sapling regeneration tall enough to count as midstory generally is not present in stands on the ANF due to long term impacts from deer browsing. In all stands, if either regen or beech/striped maple classes are > 2, then projected midstory = 'Y'.
   i. **Y** = At least 30% of plots have midstory present
   ii. **N** = Less than 30% of plots have midstory present

7. **Stand Characteristics** – Other characteristics not covered in above topics.
   a. **UEAM Class =** Uneven-aged Management – Evaluates the regeneration potential for uneven-aged management for the stand.
      i. **S** = ≥ 35 BA of shade tolerant species
      ii. **R** = Beech or Hemlock regeneration adequate to qualify as advanced regeneration
      iii. **B** = Both shade tolerant BA and beech or hemlock regeneration present
      iv. **N** = Neither condition found
   b. **Sugar Maple Site** – Is the stand found on one of the topographic positions favorable to sugar maple development?
      i. **Y** = Stand is in favorable SM site topographic location
      ii. **N** = Stand is not in favorable SM site topographic location
   c. **Beech Bark Disease** – Has Beech Bark Disease been observed within the stand?
      i. **Y** = Beech Bark Disease has been observed within the stand
      ii. **N** = Beech Bark Disease has not been observed within the stand

8. **Site Characteristics –** This part of the table displays proposed treatments in each alternative that contain inclusions of Group 3 (wet) soils, riparian areas, or visually sensitive zones. Impacts to these sensitive inclusions will be minimized through required mitigation measures listed in Appendix D.
   a. **Visual Sensitive Zone** – Acres of proposed treatments that fall within visually sensitive areas.
   b. **Riparian Zone** – Acres of proposed treatments which within 75 feet of a stream.
   c. **Group 3 Soils** – Acres of proposed treatments falling on Group 3 soils
   d. **Total Sensitive Areas** – Total of the three sensitive areas detailed above.

Table 8: Present Condition of the Spring Creek Vegetation

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
672	082	2	Grn	2	1940	130	210		130	210	1	1	3	4	N	N	Y	N	2	0	0	2
673	015	32	Grn	2	1940	86	144		86	144	1	1	4	0	N	N	Y	N	0	3	5	6
673	019	12	Sal	2	1940	142	224	40	115	182	1	1	4	0	N	N	Y	N	12	0	0	11
673	042	1	Sal	89	1988											N			15	0	0	15
673	060	12	Sal	2	1943	188	300	30	168	268	2	1	3	4	N	N	N	N	0	0	0	0
673	064	9	Grn	2	1943	178	268	30	150	226	1	0	4	0	N	N	N	N	9	0	0	9
673	095	16	Grn	84	1922	86	130		86	130	2	1	4	0	N	S	N	N	0	0	0	0
673	097	7	Grn	83	1922	58	116	10	53	106	2	1	4	0	N	N	N	N	7	0	0	7
673	101	8	Grn	84	1921	59	100	10	53	90	1	1	3	0	N	N	N	N	0	0	0	0
673	102	10	Grn	89	1926	82	147		82	147	1	2	4	0	Y	R	N	N	0	0	0	0
673	103	10	Grn	89	1927	91	153		89	151	2	2	4	0	Y	R	Y	N	0	0	0	0
673	104	3	Sal	2	1941	172	263	30	146	223	1	0	0	0	N	N	Y	N	0	1	1	1
673	105	11	Cat	2	1941	63	100	40	38	60	1	0	4	4	N	N	Y	N	0	0	2	2
673	106	5	Grn	2	1941	136	217		134	213	1	0	4	0	N	N	Y	N	0	0	1	1
673	107	20	Grn	2	1941	113	179		113	179	1	0	3	4	N	N	Y	N	0	0	1	1
673	110	7	Cat	2	1945	68	125	56	38	69	1	0	4	0	N	N	N	N	0	0	1	1
673	111	8	Grn	89	1927	91	153		89	151	2	2	4	0	Y	R	Y	N	0	0	0	0
680	056	7	Sal	2	1940	159	256	30	140	226	1	1	4	4	N	N	Y	N	0	0	0	0
680	057	6	Grn	2	1930	137	216		136	214	1	3	3	4	Y	N	Y		6	0	5	6
681	006	27	Grn	83	1986								2			N			0	0	0	0
681	014	17	Grn	89	1925	69	129		67	127	2	1	3	1	N	S	N	Y	17	0	0	17
681	046	23	Grn	83	1925	82	161		79	156	2	1	4	2	N	N	N	Y	0	0	0	0
681	052	5	Grn	84	1915	88	140		84	136	1	1	1	0	N	S	N	Y	0	0	0	0
682	001	19	Grn	2	1920	122	192		122	192	1	0	1	0	N	N	Y	N	19	0	0	19
682	014	30	Grn	89	1918								3			N			0	0	0	0

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
682	019	17	Grn	2	1946	132	210		132	210	1	0	2	0	N	N	Y	N	0	0	0	0
682	021	18	Grn	2	1948	118	197		118	197	1	0	3	0	N	N	Y	N	0	0	0	0
682	035	3	Grn	2	1912	109	180		109	180	2	0	3	0	N	N	Y	N	0	0	0	0
682	036	9	Grn	2	1920	88	146		88	146	1	0	4	0	N	N	Y	N	0	1	0	1
682	037	52	Grn	2	1945	100	150		100	150	1	0	4	0	N	N	N	N	0	3	1	3
682	039	25	Cat	2	1945	33	50	20	20	30	1	0	4	0	N	N	N	N	0	0	1	1
682	040	9	Cat	2	1945	33	50	20	20	30	1	0	4	0	N	N	N	N	0	0	0	0
682	044	6	Grn	2	1945	118	163		118	163	1	0	4	1	N	N	N	N	0	0	1	1
682	045	9	Grn	89	1915	73	124	15	61	104	2	0	4	0	N	N	N	N	0	0	0	0
682	046	18	Grn	2	1940	133	220		133	220	1	0	3	0	N	N	Y	N	0	0	0	0
683	001	13	Grn	2	1930	114	188		114	188	1	0	0	0	N	N	Y	N	13	1	0	13
683	018	11	Grn	84	1930	73	121		72	119	1	0	3	0	N	N	N	N	11	0	0	11
683	052	7	Grn	89	1930	120	198		118	196	3	0	3	0	N	S	N	N	0	0	2	2
683	055	10	Grn	84	1925	61	94	10	55	84	1	0	3	0	N	N	N	N	0	0	0	0
683	067	24	Grn	84	1921	77	130	20	65	110	1	1	3	0	N	R	N	N	24	0	0	24
683	069	10	Grn	2	1935	92	149		92	149	1	0	0	0	N	N	Y	N	10	0	0	10
693	001	47	Grn	81	1917	89	144		87	142	1	1	3	0	N	S	N	Y	0	0	5	5
693	025	40	Grn	89	1911	76	128		76	128	4	0	3	0	N	S	N	N	0	0	0	0
693	039	10	Grn	83	1992											N			0	0	0	0
693	041	36	Grn	83	1999											N			0	0	0	0
693	045	11	Grn	83	1996											N			0	0	1	1
693	048	16	Grn	83	1910	72	127		72	127	2	0	4	0	N	S	N	N	16	1	1	13
693	049	7	Grn	84	1915	67	129		67	129	2	0	3	0	N	N	N	N	0	0	0	0
693	050	13	Grn	84	1912	91	159		90	156	1	1	2	4	N	N	N	N	0	1	1	2
693	051	9	Grn	83	1917	65	130		63	126	1	0	4	0	N	N	N	N	0	0	3	3
693	053	4	Grn	89	1917	59	118	10	54	108	1	3	2	4	Y	R	N	Y	0	0	0	0

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
693	054	9	Grn	83	1912	78	178		77	176	1	1	4	0	N	N	N	N	0	0	0	0
693	056	18	Grn	89	1912	81	140		81	140	1	0	4	1	N	N	N	N	0	0	0	0
693	059	16	Grn	89	1917	58	108	5	55	103	3	3	1	4	Y	N	N	Y	0	0	0	0
693	060	9	Grn	84	1910	80	153		80	153	1	1	3	1	N	N	N	N	0	0	0	0
693	062	7	Grn	84	1919	87	143		85	139	1	0	3	0	N	N	N	Y	0	0	1	1
693	064	2	Grn	84	1910	62	103		62	103	1	0	3	0	N	N	N	N	0	0	0	0
695	013	26	Grn	83	1900	64	108		61	105	3	3	3	0	Y	S	N	Y	0	0	0	0
695	025	39	Grn	89	1910	81	135		80	134	1	3	1	4	Y	R	N	Y	0	0	1	1
695	027	22	Grn	83	1998											N			0	0	0	0
695	030	17	Grn	83	1996											N			0	1	0	1
695	058	20	Grn	89	1902	45	84		44	83	1	2	2	0	Y	R	N	Y	20	1	0	20
695	062	8	Grn	89	1910	76	118		76	118	1	3	4	0	Y	S	N	Y	0	0	0	0
696	017	16	Grn	89	1923	55	104	23	43	81	2	2	3	4	Y	N	N	Y	16	0	0	16
696	022	32	Grn	89	1916	52	91		50	89	2	3	2	4	Y	N	N	Y	32	0	0	32
696	040	19	Grn	89	1909	80	121		76	118	1	1	3	0	N	S	N	Y	19	0	0	19
696	042	6	Grn	83	1916	65	110		65	110	3	0	3	4	N	N	N	N	6	0	0	6
696	054	9	Grn	83	1921	52	120	10	48	110	3	1	2	0	N	N	Y	N	9	0	0	9
696	055	12	Grn	83	1928	81	154		81	154	3	1	1	4	N	N	N	Y	12	0	0	12
696	056	7	Sal	89	1919	59	99	15	47	79	1	3	1	2	Y	R	N	N	7	0	0	7
697	001	19	Grn	83	1920	87	164		86	163	2	2	3	2	Y	N	N	Y	0	0	1	1
697	016	15	Grn	83	1921	82	143		82	143	1	2	3	0	Y	N	Y	Y	0	0	0	0
697	017	34	Grn	83	1924	65	140		65	140	1	4	2	1	Y	R	N	Y	0	0	10	10
697	025	14	Grn	89	1918	92	152		92	152	1	4	3	1	Y	N	Y	Y	0	0	1	1
697	028	23	Grn	89	1919	98	148		97	147	1	3	1	0	Y	R	N	Y	0	0	4	4
697	030	35	Grn	89	1921	67	115		66	113	4	1	1	4	N	N	N	Y	0	1	0	1
697	032	10	Grn	89	1915	103	158		103	157	1	3	1	1	Y	S	Y	Y	0	0	0	0

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
697	041	6	Grn	83	1904	75	146	30	59	114	1	4	2	0	Y	N	N	Y	0	0	0	0
697	042	18	Grn	89	1916	101	155		99	153	1	1	3	0	N	N	N	N	0	0	1	1
697	043	4	Grn	83	1998											N			0	0	0	0
697	055	19	Grn	83	1914	63	119		63	119	1	1	3	0	N	N	N	N	19	0	1	19
697	059	10	Grn	84	1920	83	138		80	136	1	2	4	1	Y	N	N	N	0	0	2	10
697	065	12	Grn	89	1923	95	156		94	154	1	4	2	1	Y	N	N	Y	0	0	1	1
697	066	4	Grn	89	1918	98	154		97	152	3	3	1	0	Y	S	Y	N	0	0	2	2
697	067	6	Grn	83	1918	80	143		80	143	1	3	2	0	Y	R	Y	Y	6	0	0	6
697	068	14	Grn	83	1912	67	131		66	130	1	1	4	1	N	S	Y	Y	14	0	0	14
697	070	13	Grn	83	1915	105	180		102	176	3	2	0	0	Y	S	Y	Y	13	0	0	13
697	071	6	Grn	84	1922	83	146		79	140	3	1	2	0	N	N	N	Y	6	0	0	6
697	073	10	Sal	89	1919	97	144	20	84	124	1	4	0	0	Y	S	N	Y	0	0	3	3
697	075	3	Grn	83	1918	81	154		81	154	4	3	1	0	Y	R	N	Y	0	0	2	2
697	076	6	Grn	83	1918	93	151		92	150	1	1	1	0	N	S	N	Y	0	0	4	4
698	009	22	Grn	89	1912	62	103	13	59	100	1	1	3	4	N	R	Y	Y	22	0	0	22
698	010	7	Grn	2	1931	87	140		87	140	1	1	3	1	N	S	N	Y	0	0	0	0
698	017	11	Grn	89	1920	101	166		100	164	1	2	0	1	Y	S	N	Y	0	0	0	0
698	020	41	Grn	84	1915	66	119		66	118	1	2	1	4	Y	N	N	Y	0	0	0	0
698	027	17	Grn	84	1919	71	139	10	69	129	1	1	4	0	N	N	N	Y	0	0	0	0
698	040	17	Grn	89	1915	93	142		92	139	1	3	0	0	Y	S	N	Y	0	0	0	0
698	041	8	Grn	89	1923	92	148		92	148	1	3	1	0	Y	S	N	Y	0	0	0	0
698	042	5	Grn	83	1998											N			0	0	0	0
698	043	16	Grn	84	1929	78	134	10	72	124	1	1	3	4	N	N	N	Y	0	0	0	0
698	052	14	Grn	81	1913	122	173		122	173	1	1	1	0	N	S	Y	Y	0	0	0	0
698	056	5	Grn	84	1922	63	118		61	116	1	1	2	0	N	N	N	Y	5	0	0	5
698	062	18	Sal	83	1918	93	157	15	84	141	4	1	2	0	N	S	N	Y	18	0	2	18

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
698	063	14	Grn	83	1918	71	112		71	112	1	1	2	0	N	S	N	Y	14	0	0	14
698	064	17	Sal	89	1929	88	131	25	71	105	1	1	3	0	N	S	N	Y	17	0	0	17
698	065	10	Grn	89	1920	74	115		72	113	1	3	1	0	Y	S	N	Y	10	0	0	10
698	066	7	Grn	83	1922	86	153		86	153	2	3	2	2	Y	S	Y	Y	7	0	0	7
698	067	8	Grn	89	1926	108	183		108	183	1	1	1	1	N	S	Y	Y	8	0	0	8
698	068	17	Grn	89	1922	107	186		107	186	2	3	2	0	Y	S	N	Y	17	0	0	17
698	069	12	Sal	89	1910	102	169	35	80	133	3	3	2	1	Y	S	N	Y	12	0	0	12
698	070	28	Sal	89	1932	112	190	20	98	167	1	4	1	1	Y	R	N	Y	28	0	1	28
699	003	13	Grn	2	1953	120	202		120	202	1	2	3	0	Y	N	Y	N	13	4	0	13
699	005	3	Sal	89	1925														8	0	0	8
699	010	6	Grn	89	1918	106	171		106	171	1	4	2	1	Y	S	Y	Y	6	0	0	6
699	018	16	Grn	89	1998											N			16	0	12	16
699	021	7	Cat	89	1904	70	117	80	22	37	1	2	3	0	Y	N	N	Y	7	0	0	7
699	028	19	Grn	81	1990	70	53	0	65	50	4	2	1	4	Y	R	N	Y	19	0	0	19
699	030	28	Grn	83	1998											N			28	0	0	28
699	031	32	Grn	81	1887	69	84	20	52	63	1	4	2	4	Y	S	N	Y	32	0	6	32
699	036	15	Grn	89	1998											N			15	0	2	15
699	043	20	Cat	89	1925	25			15		2	2	3	3	Y	N	N	Y	20	0	0	20
699	050	13	Sal	84	1921	55			45		2	3	3	4	Y	N	N	Y	13	0	0	13
699	051	32	Cat	83	1921	30			20		1	3	3	0	Y	N	N	Y	32	0	0	32
699	052	5	Cat	81	1897	70	120	15	38	65	1	2	2	0	Y	N	N	Y	5	0	0	5
699	053	29	Grn	81	1890	82	112		78	107	1	3	3	1	Y	S	N	Y	29	1	3	29
699	054	3	Grn	83	1890	88	182		86	180	1	4	1	0	Y	N	N	Y	3	0	0	3
699	055	2	Sal	89	1925														8	0	0	8
700	123	5	Sal	83	1917											N			33	3	0	33
702	011	11	Grn	89	1913	72	119		71	118	1	1	3	0	N	S	N	Y	11	0	0	11

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
702	014	3	Sal	89	1919														63	0	0	63
702	025	19	Grn	83	1996											N			19	0	0	19
702	027	1	Sal	89	1918														16	1	0	16
702	028	1	Sal	89	1928														7	0	0	7
702	029	1	Sal	89	1920														55	2	0	55
702	034	5	Grn	83	1995											N			5	0	0	5
702	035	8	Grn	16	1945	100	160		85	140	1	0	0	0	N	N	N	N	8	0	0	8
702	040	28	Grn	83	1996											N			28	0	0	28
702	041	22	Grn	89	1911	68	116		67	115	1	2	2	0	Y	S	N	Y	22	0	0	22
702	055	19	Grn	16	1929	105	180		105	180	1	0	1	0	N	N	N	N	19	0	0	19
702	060	20	Cat	83	1914	51	95	25	38	70	3	2	3	0	Y	N	N	Y	20	0	0	20
702	075	6	Grn	83	1995											N			6	0	0	6
702	077	13	Grn	84	1928	64	128		59	117	3	2	4	0	Y	N	N	Y	13	0	0	13
702	078	5	Grn	81	1995											N			5	0	0	5
702	079	4	Grn	84	1915	77	146		75	142	1	1	2	0	N	N	N	Y	4	0	0	4
702	084	6	Grn	84	1915	74	139		74	139	1	1	2	0	N	N	N	Y	6	0	0	6
702	090	11	Grn	16	1945	105	200		105	200	1	0	0	0	N	N	N	N	11	0	0	11
702	091	4	Grn	89	1906	102	167	40	71	117	1	3	1	0	Y	S	N	Y	4	0	0	4
702	092	2	Grn	83	1910	83	163		83	163	1	3	1	0	Y	R	N	N	2	0	0	2
702	093	12	Grn	16	1929	105	200		105	200	1	0	0	0	N	N	N	N	12	0	0	12
702	094	10	Grn	81	1929	82	124	30	58	87	1	1	2	0	N	R	N	Y	10	0	0	10
702	095	5	Grn	89	1926	65	130		65	130	1	1	1	1	N	N	N	Y	5	0	0	5
703	008	1	Sal	83	1923														24	4	0	24
703	009	1	Sal	84	1934														38	0	0	38
703	022	35	Grn	83	1920	63	114		63	114	4	1	4	1	N	N	N	Y	35	0	0	35
703	027	10	Grn	89	1906	100	180		100	180	1	0	1	0	N	S	N	Y	10	0	0	10

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
703	035	54	Sal	89	1915	70	150		80	100	1	1	2	0	N	N	N	Y	54	0	0	54
703	039	4	Sal	83	1920							3	3						26	0	0	26
703	041	10	Grn	83	1920	57	112		57	112	4	1	1	0	N	N	N	Y	10	0	0	10
703	042	22	Grn	81	1909	74	123		74	123	3	1	1	0	N	S	N	Y	22	0	0	22
703	057	8	Grn	83	1910	94	190		91	186	3	3	3	0	Y	S	N	Y	8	0	1	8
703	059	3	Sal	89	1915							2	3						27	0	0	27
703	060	6	Grn	83	1915	81	161		81	161	4	1	1	0	N	N	N	Y	6	0	0	6
703	062	2	Grn	83	1920	57	100		57	100	4	0	0	0	N	N	N	Y	2	0	0	2
703	063	3	Grn	16	1945	110	200		110	200	1	0	1	0	N	N	N	N	3	0	0	3
706	033	40	Grn	89	1913	73	146		71	141	4	2	3	1	Y	N	Y	N	40	0	0	40
706	034	21	Grn	89	1913	91	173		90	171	4	1	2	0	N	N	N	N	21	1	1	21
706	043	28	Grn	89	1910	82	171		82	170	1	1	4	0	N	N	N	N	0	0	5	5
706	044	25	Grn	83	1910	90	171		89	170	2	2	4	1	Y	N	N	N	0	0	9	9
706	045	10	Grn	89	1905	83	161		83	161	4	0	4	1	N	N	Y	N	10	0	1	10
706	046	15	Grn	89	1910	103	184		103	184	4	1	3	2	N	N	N	N	0	0	0	0
706	047	9	Grn	56	1910	82	161		80	160	4	2	4	2	Y	N	N	N	0	0	4	4
706	048	8	Grn	83	1910	70	155	0	70	155	4	2	3	0	Y	N	N	N	0	0	4	4
707	006	33	Sal	89	1923	93	152	22	78	127	1	4	1	0	Y	R	N	Y	0	0	0	0
707	007	12	Sal	89	1916	84	141	30	66	110	1	3	1	0	Y	R	Y	Y	0	1	0	1
707	014	17	Grn	81	1922	68	79		66	76	1	1	3	4	N	S	N	Y	0	0	0	0
707	015	14	Grn	89	1922	78	120		78	118	1	1	3	0	N	S	N	Y	0	0	0	0
707	016	7	Grn	83	1916	66	138		66	138	1	0	4	0	N	N	Y	N	0	0	0	0
707	019	22	Grn	83	1996	10	10	0	10	10	4	0	1	0	N	N	N	N	0	0	0	0
707	028	16	Grn	83	1934	82	170		82	170	2	0	4	0	N	N	N	N	0	0	1	1
707	032	18	Grn	83	1933	71	131		69	128	1	0	4	0	N	N	Y	N	18	0	0	18
707	036	16	Grn	89	1934	76	128		76	128	1	2	2	0	Y	R	N	Y	0	0	12	12

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
707	040	10	Grn	83	1939	88	157		88	157	1	0	4	0	N	N	Y	N	10	0	0	10
707	044	33	Grn	89	1909	54	106		53	102	4	3	3	0	Y	R	N	Y	33	0	1	33
707	046	8	Grn	89	1949	96	156		95	155	1	3	1	1	Y	S	N	Y	8	0	1	8
707	047	10	Sal	89	1916	80	140	25	65	115	1	2	1	0	Y	R	Y	Y	0	0	0	0
707	048	16	Grn	83	1928	93	167		92	166	1	1	4	0	N	R	N	Y	0	1	0	1
707	050	18	Grn	83	1916	97	163		97	163	1	1	3	0	N	S	Y	Y	0	0	1	1
707	051	3	Grn	89	1938	81	148		79	146	3	2	2	0	Y	R	N	Y	0	0	0	0
707	052	6	Grn	84	1942	102	157		100	154	1	1	1	0	N	N	N	Y	0	0	0	0
707	053	8	Grn	89	1923	76	128		76	128	1	2	2	0	Y	R	N	Y	0	0	5	5
707	055	4	Grn	89	1939	88	159		88	159	4	1	3	0	N	N	N	N	0	0	1	1
707	056	12	Grn	89	1926	68	127		65	125	1	0	3	2	N	N	N	Y	12	0	0	12
707	057	5	Grn	83	1925	92	163		92	161	4	0	4	0	N	N	N	N	0	0	0	0
708	008	20	Grn	89	1912	98	179		97	177	1	2	1	0	Y	R	Y	Y	0	0	0	0
708	010	15	Grn	83	1912	100	166		100	166	1	2	1	2	Y	R	N	N	0	0	0	0
708	023	30	Grn	89	1998											N			0	0	4	4
708	027	22	Grn	84	1914	79	119		79	119	1	2	1	4	Y	R	N	Y	0	0	0	0
708	033	17	Grn	81	1912	91	124		91	124	1	4	1	0	Y	S	Y	Y	0	0	1	1
708	037	15	Grn	89	1914	94	162		94	161	1	2	1	0	Y	S	N	Y	15	0	0	15
708	038	20	Sal	83	1933	86	139	25	67	108	1	2	2	1	Y	S	N	Y	20	0	10	20
708	041	8	Grn	89	1932	95	155		95	155	1	2	2	0	Y	S	N	Y	8	0	1	8
708	042	10	Sal	89	1933	92	153	20	76	127	1	3	3	4	Y	S	N	Y	10	0	8	10
708	043	5	Grn	89	1922	101	163		101	161	1	1	1	0	N	S	Y	Y	0	0	0	0
709	003	17	Grn	81	1890	75	90		74	89	1	3	1	0	Y	S	N	Y	0	0	0	0
709	010	28	Grn	83	1998											N			0	0	0	0
709	011	49	Sal	89	1900	76	128	20	64	107	1	3	3	1	Y	R	N	Y	0	0	0	0
709	015	17	Sal	89	1894	95	162	25	79	135	1	3	3	0	Y	R	N	Y	17	0	0	17

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
709	018	12	Grn	89	1897	68	103		67	102	1	1	3	4	N	N	N	Y	0	0	0	0
709	026	17	Sal	81	1894	77	103	20	61	81	1	2	3	0	Y	S	N	Y	0	0	0	0
709	030	9	Sal	89	1896	72	124	20	60	104	1	3	0	1	Y	R	N	Y	0	0	6	6
709	032	21	Sal	81	1898	79	119	20	66	99	1	2	3	1	Y	S	N	Y	21	0	0	21
709	037	13	Grn	81	1888	72	93		70	92	1	3	1	1	Y	S	N	Y	13	0	7	13
709	038	20	Grn	89	1884	66	106		65	104	2	2	3	2	Y	S	N	Y	20	0	0	20
709	039	2	Grn	89	1884	60	106	24	46	82	2	2	3	2	Y	R	Y	Y	2	0	0	2
709	040	3	Grn	81	1893	79	86		79	86	1	3	1	0	Y	S	N	Y	3	0	0	3
709	041	8	Grn	81	1887	70	97		70	96	1	4	0	1	Y	S	N	Y	8	0	1	8
709	042	10	Grn	81	1894	68	80		68	80	1	2	3	4	Y	S	N	Y	0	0	0	0
709	043	5	Sal	89	1900	72	133	20	61	113	1	3	1	0	Y	R	Y	Y	0	0	0	0
709	044	4	Grn	89	1902	85	144		84	142	1	2	2	0	Y	R	N	Y	0	1	0	1
709	045	9	Grn	81	1897	78	107		78	107	1	1	1	4	N	S	N	Y	0	0	0	0
709	047	9	Grn	83	1907	83	146		83	146	1	3	3	1	Y	S	Y	N	9	0	0	9
710	001	8	Cat	84	1911	22	39	10	16	29	1	2	3	1	Y	N	N	Y	8	2	0	8
710	011	29	Grn	83	1997	15	15		15	15	1	2	2	4	Y	N	N	Y	29	0	0	29
710	016	16	Grn	83	1999											N			16	0	0	16
710	020	13	Grn	83	2001											N			13	0	0	13
710	023	16	Grn	89	1999											N			16	0	0	16
711	001	45	Grn	83	1999											N			45	0	0	45
711	006	17	Grn	81	1996											N			17	0	0	17
711	035	35	Grn	84	1915	70	118	35	49	82	1	4	1	4	Y	R	N	Y	35	0	0	35
711	036	15	Sal	84	1915	70	118	35	49	82	1	4	1	4	Y	R	N	Y	15	4	0	15
711	039	19	Grn	83	1998											N			19	0	0	19
711	048	7	Sal	89	1915											N			17	4	2	17
711	050	6	Grn	83	1910	88	191		87	189	4	1	2	0	N	N	N	N	0	0	0	0

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
711	051	11	Grn	83	1910	81	148	5	81	147	2	3	3	0	Y	S	Y	Y	11	0	0	11
711	052	19	Grn	81	1900	81	140		80	139	1	4	0	4	Y	N	N	Y	19	0	0	19
711	053	11	Grn	89	1910	92	123	30	60	80	3	1	2	4	N	R	N	Y	0	0	0	0
711	054	6	Cat	83	1897	54	100	20	40	75	4	2	1	4	Y	N	N	Y	0	0	0	0
711	055	1	Cat	83	1904	44	100	20	33	77	4	1	3	1	N	N	N	Y	1	0	0	1
711	056	6	Grn	83	1910	118	219		117	216	4	1	2	0	N	N	N	N	0	0	0	0
712	003	4	Sal	84	1910														16	0	0	16
712	006	10	Sal	83	1902														32	6	0	32
712	007	15	Sal	83	1913														21	0	0	21
712	008	5	Sal	89	1904														18	0	0	18
712	013	4	Sal	89	1905														28	0	0	28
712	014	1	Sal	83	1920														13	0	0	13
712	015	20	Sal	83	1920														49	8	14	49
712	016	1	Sal	83	1925														17	0	0	17
712	018	1	Sal	83	1908														56	5	24	56
712	019	2	Sal	83	1910														24	0	0	24
712	021	10	Sal	83	1908														50	0	0	50
712	023	1	Sal	89	1904														0	0	0	0
712	025	3	Sal	84	1910														0	0	0	0
712	026	4	Sal	89	1917														14	0	0	14
712	029	20	Cat	89	1905	20			10		1	2	2	3	Y	N	N	Y	20	0	0	20
712	030	3	Cat	89	1890	25			10		3	2	3	3	Y	N	N	Y	0	0	0	0
712	031	7	Cat	83	1920	25			15		1	2	2	3	Y	N	N	Y	7	0	1	7
712	032	6	Cat	89	1908	45			35		1	2	2	3	Y	N	N	Y	0	0	1	1
712	033	2	Cat	83	1908	15			5		1	2	3	0	Y	N	N	Y	2	0	0	2
712	034	7	Cat	83	1908	20			15		2	2	3	0	Y	N	N	Y	7	0	4	7

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
713	004	44	Grn	84	1920	87	155		87	154	1	2	3	1	Y	N	Y	Y	44	0	0	44
713	031	17	Grn	83	1997											N			17	0	0	17
713	037	2	Grn	83	1999											N			2	0	0	2
713	041	14	Grn	81	1997											N			14	0	6	14
846	096	5	Grn	84	1909	83	151		81	147	1	2	3	0	Y	N	N	Y	5	0	0	5
847	018	8	Sal	89	1895	62	108	20	50	87	1	3	2	0	Y	R	N	Y	8	0	1	8
847	032	8	Sal	89	1900	65	108	35	43	71	1	2	2	0	Y	S	N	Y	28	0	0	28
847	040	8	Grn	84	1995											N			8	0	0	8
848	025	14	Grn	83	1914	88	189		88	189	1	3	1	4	Y	S	N	Y	14	0	0	14
849	001	13	Sal	83	1920	83	174	20	73	153	2	1	2	0	N	N	N	N	13	0	0	13
850	032	16	Grn	89	2000											N			16	0	2	16
850	035	19	Grn	84	2000											N			19	0	0	19
850	040	9	Grn	89	1910	89	161		88	160	1	1	3	0	N	B	N	Y	9	0	0	9
850	043	11	Sal	89	1906	99	186	15	90	169	1	2	2	4	Y	R	N	Y	11	0	1	11
850	045	4	Sal	89	1913														19	0	2	19
850	049	24	Cat	83	1930	25			15		3	2	2	2	N	N	N	Y	24	0	2	24
850	052	2	Sal	2	1940	145	220	40	114	173	1	2	3	0	Y	R	N	Y	2	0	1	2
850	058	5	Cat	89	1930	30			20		2	2	3	1	N	N	N	Y	5	0	2	5
850	059	19	Sal	89	1903	94	151	15	83	134	1	0	0	0	N	S	N	Y	19	0	6	19
850	060	6	Sal	84	1900	92	150	15	82	133	1	1	4	0	N	N	N	Y	6	0	0	6
850	061	17	Grn	89	1889	85	151		83	148	1	1	4	1	N	R	N	Y	17	0	0	17
850	072	8	Grn	89	1900	104	181		101	175	3	2	2	4	Y	B	N	Y	8	0	7	8
850	079	9	Grn	89	1936	137	206		137	206	1	1	1	2	N	B	Y	Y	9	0	8	9
850	080	3	Sal	89	1913														11	0	0	11
850	082	3	Cat	84	1906	10	20	10	5	10	1	1	4	1	N	N	N	Y	3	0	0	3
850	083	3	Cat	84	1906	10	20	10	5	10	1	1	4	1	N	N	N	Y	3	0	0	3

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
850	084	4	Cat	84	1900	30	60	10	25	50	2	2	3	0	N	N	N	Y	4	0	0	4
850	085	3	Cat	83	1900	40	70	20	29	50	1	3	3	0	N	N	N	Y	3	0	0	3
850	086	6	Cat	89	1909	10	20	10	5	10	1	2	3	0	N	N	N	Y	6	0	0	6
850	087	4	Cat	84	1898	10	30	10	7	20	1	2	3	1	N	N	N	Y	4	0	0	4
858	004	10	Sal	89	1998											N			10	0	0	10
858	010	1	Sal	83	1911														11	1	0	11
858	014	2	Grn	83	1911	112	213		112	211	1	4	2	2	Y	S	N	Y	2	0	0	2
858	017	12	Cat	83	1912	45	100	20	36	80	2	1	4	0	N	N	N	Y	12	0	0	12
858	019	13	Sal	89	1902	111	230	40	69	116	1	2	3	1	Y	N	N	Y	13	0	0	13
858	027	20	Cat	89	1911	38			30		2	2	3	2	N	N	N	Y	20	0	0	20
858	028	29	Cat	89	1901	48	80	30	30	50	1	4	1	4	Y	S	N	Y	15	0	0	15
858	029	11	Sal	84	1907	72	122	10	62	105	1	1	3	4	N	N	N	Y	11	0	0	11
858	033	7	Grn	89	1900	126	177		126	177	2	2	1	4	Y	N	N	Y	7	0	0	7
858	038	8	Grn	89	1921	64	123		64	123	1	2	2	1	Y	R	Y	Y	8	0	0	8
858	040	20	Grn	81	1897	98	157		96	155	1	3	1	1	Y	B	N	Y	20	0	0	20
859	001	14	Grn	89	1997											N			14	0	0	14
859	008	12	Sal	89	1911	77	150	30	55	107	1	1	4	1	N	N	N	Y	12	1	3	12
859	013	22	Sal	84	1915	75	121	15	66	106	1	0	3	0	N	N	N	Y	22	0	0	22
859	017	7	Grn	83	1914	101	189	80	55	102	1	1	4	0	N	S	Y	N	7	0	0	7
859	033	27	Cat	83	1910	63	120	80	16	30	1	0	3	0	N	S	N	Y	27	0	1	27
859	042	4	Sal	83	1900														7	0	4	7
859	056	4	Cat	83	1909	15	30	20	5	10	1	2	3	0	N	N	N	Y	4	0	0	4
859	057	10	Sal	83	1900	70	100	40	42	60	1	1	4	0	N	N	N	Y	10	0	1	10
859	058	5	Cat	83	1910	15	30	20	5	10	1	0	4	0	N	N	N	Y	5	2	3	5
860	002	12	Grn	84	1997											N			12	0	0	12
860	009	10	Sal	83	1915														0	6	0	6

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
860	018	9	Grn	83	1898	121	153	50	81	103	3	2	4	0	Y	N	N	Y	0	0	0	0
860	023	8	Sal	81	1907	112	185	20	99	163	1	1	1	1	N	S	N	Y	8	0	1	8
860	027	20	Cat	83	1908	30			15		2	3	3	4	Y	N	N	Y	0	3	0	3
860	029	8	Grn	81	1998											N			0	0	0	0
860	031	10	Cat	83	1910	30			15		2	2	3	0	Y	N	N	Y	0	0	0	0
860	034	11	Cat	83	1910	45			35		3	2	4	2	N	N	N	Y	11	0	0	11
860	036	26	Grn	89	1898	51	92		51	92	2	1	4	0	N	N	N	Y	26	0	1	26
860	038	9	Cat	83	1910	40			30		2	3	4	4	Y	N	N	Y	9	0	0	9
861	010	26	Cat	89	1907	35	55	15	25	40	2	2	3	3	N	S	N	Y	0	0	0	0
861	012	17	Grn	83	1997											N			17	0	0	17
861	029	26	Grn	89	1998											N			26	0	0	26
861	035	9	Grn	89	1998											N			9	0	1	9
861	041	9	Cat	84	1893	54	89	30	35	58	1	1	3	4	N	N	N	Y	9	0	2	9
861	043	20	Grn	83	1997											N			0	0	1	1
861	044	30	Cat	84	1907	39	61	10	33	51	1	3	1	4	Y	N	N	Y	30	0	0	30
861	045	22	Cat	89	1907	27	41	10	20	31	1	2	2	2	N	S	N	Y	22	0	0	22
861	046	20	Cat	84	1907	30	55	10	25	45	1	3	1	4	Y	R	N	Y	20	0	0	20
861	047	7	Cat	84	1907	40	59	15	30	44	1	3	2	4	Y	N	N	Y	7	0	0	7
862	005	12	Grn	81	1991											N			12	0	0	12
862	018	40	Cat	89	1920	43	77	10	36	65	4	1	2	0	N	N	N	Y	40	0	1	40
862	021	10	Grn	84	1905	68	106		67	104	1	2	1	4	Y	R	N	Y	10	0	0	10
863	003	10	Sal	83	1916														14	2	7	14
863	005	8	Sal	83	1928														22	2	0	22
863	006	18	Grn	89	1999											N			18	3	0	18
863	008	8	Cat	89	1909	35	68	20	25	48	3	1	4	4	N	N	N	Y	8	0	0	8
863	009	20	Cat	89	1909	39	76	0	39	76	4	1	2	4	N	N	N	Y	20	0	0	20

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
863	011	4	Cat	89	1925	25	40	10	19	30	2	1	3	1	N	N	N	Y	0	0	0	0
863	015	10	Sal	89	1939														10	0	0	10
863	026	3	Sal	83	1911														0	10	22	22
863	029	11	Cat	83	1908	39	76		38	74	4	3	1	4	Y	R	N	Y	11	0	1	11
863	034	13	Cat	84	1921	40	60	20	27	40	2	1	3	1	N	N	N	Y	0	0	0	0
863	041	5	Sal	89	1911	86	153	30	67	120	1	2	4	0	Y	S	N	Y	5	1	1	5
863	048	2	Sal	89	1928														8	1	3	8
863	049	8	Sal	83	1930														16	5	14	16
863	050	6	Sal	83	1922														14	3	8	14
863	051	20	Cat	89	1919	45	70	20	32	50	2	2	2	2	N	N	N	Y	0	0	0	0
863	053	2	Sal	81	1939														0	1	0	1
863	056	25	Cat	89	1911	34	60	20	23	40	1	1	3	1	N	N	N	Y	0	0	3	3
863	063	9	Sal	83	1900	60	114	20	47	90	4	4	4	4	Y	S	N	Y	9	0	0	9
863	064	3	Sal	89	1911								3						0	0	0	0
863	078	9	Grn	84	1998											N			9	0	0	9
863	080	10	Sal	81	1918	121	168	30	99	138	1	2	1	1	Y	S	N	Y	0	0	1	1
863	081	3	Sal	84	1924														15	0	0	15
863	084	3	Sal	89	1919														3	0	0	3
863	089	6	Cat	89	1919	25	40	10	19	30	2	1	3	1	N	N	N	Y	0	0	0	0
875	008	14	Cat	81	1906	41	66		34	54	1	4	1	4	Y	R	N	Y	14	0	0	14
875	009	25	Grn	83	1906	53	108	10	48	98	1	4	1	4	Y	R	N	Y	25	0	0	25
876	008	6	Cat	81	1902	31	43		31	42	1	4	2	2	Y	R	N	Y	6	0	0	6
876	009	17	Grn	81	1925	92	160		92	160	1	3	0	1	Y	B	Y	Y	17	1	0	17
876	013	11	Grn	89	1997											N			11	0	0	11
876	014	3	Grn	89	1996											N			0	0	0	0
876	015	20	Grn	89	1997											N			0	0	0	0

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
876	016	14	Grn	81	1997											N			0	0	0	0
876	034	22	Grn	83	1997											N			22	0	0	22
877	002	22	Grn	81	1910	73	97		73	97	1	3	1	4	Y	S	N	Y	22	0	0	22
877	006	17	Grn	89	1910	56	105	10	51	95	1	2	1	2	Y	R	N	Y	17	0	0.3	17
877	007	29	Grn	84	1994											N			0	4	0	4
877	011	17	Grn	83	1998											N			17	0	0	17
877	015	42	Grn	89	1995											N			0	0	0	0
877	016	17	Grn	89	1906	72	121		72	121	1	3	1	4	Y	R	N	Y	0	0	0	0
877	052	19	Grn	83	1998											N			19	0	0	19
877	053	13	Grn	83	1998											N			13	0	0	13
877	073	24	Grn	89	1925	74	141		74	141	1	1	3	1	N	N	N	Y	0	0	1	1
879	007	13	Grn	89	1923	80	133		80	133	1	3	1	1	Y	S	N	Y	0	0	0	0
879	021	19	Grn	83	1925	65	157		65	157	1	3	3	4	Y	R	N	Y	0	0	1	1
879	045	7	Sal	84	1926	82	155	30	66	125	1	3	4	4	Y	N	N	N	7	0	5	7
891	002	7	Grn	83	1993											N			7	0	0	7
891	003	9	Grn	83	1993											N			9	0	0	9
891	005	8	Grn	89	1915	64	118	10	59	108	1	1	4	0	N	N	N	Y	8	0	0	8
891	006	9	Sal	84	1919											N			9	0	0	9
891	007	20	Grn	89	1917	86	165		86	165	1	1	4	2	N	N	N	N	20	0	7	20
891	011	23	Grn	89	1927	90	140		89	139	4	1	3	2	N	S	N	Y	0	0	4	4
891	012	27	Sal	83	1918											N			27	0	11	27
891	015	9	Grn	83	1922	72	152		71	150	1	1	4	0	N	N	N	N	9	0	2	9
891	018	38	Sal	84	1919											N			38	1	0	38
891	024	33	Sal	83	1914											N			33	0	13	33
891	027	11	Grn	89	1911	65	107		65	107	1	2	4	1	Y	S	N	N	0	0	1	1
891	031	20	Sal	89	1925											N			0	0	0	0

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
891	034	26	Grn	89	1915	92	159		90	157	1	1	4	2	N	N	N	N	0	1	1	1
891	035	24	Grn	83	1909	70	155		70	155	1	2	4	0	Y	N	N	N	0	0	0	0
891	037	31	Grn	84	1912	79	130		79	130	1	1	4	1	N	N	Y	N	0	0	8	8
891	047	17	Grn	83	1994	10	10		10	10	3	2	2	2	Y	N	N	N	17	0	0	17
891	050	18	Sal	83	1915											N			0	0	0	0
891	054	14	Sal	83	1920											N			0	0	1	1
891	055	12	Grn	83	1993	20	25		10	10	3	1	4	0	N	N	N	N	0	0	0	0
891	058	3	Grn	83	1993								3			N			0	0	0	0
891	063	9	Sal	84	1918											N			9	0	1	9
891	064	4	Sal	84	1923											N			4	0	2	4
891	065	16	Sal	84	1915											N			16	0	1	16
891	067	4	Cat	84	1919	54	100	56	24	44	1	0	4	0	N	N	N	N	4	0	0	4
891	069	23	Sal	89	1914											N			23	0	11	23
891	070	7	Grn	83	1927	77	133		77	133	2	0	3	1	N	S	N	Y	0	0	0	0
891	071	7	Grn	83	1942	67	125		67	125	4	0	1	1	N	N	Y	N	0	0	4	4
891	072	5	Grn	83	1909	69	158		69	158	1	0	4	1	N	N	N	N	0	0	0	0
892	026	12	Grn	89	1923	64	108		63	105	1	0	4	0	N	N	Y	N	12	0	0	12
892	029	8	Grn	81	1923	90	118		90	118	2	0	2	0	N	S	N	N	8	0	0	8
892	031	20	Grn	83	1984											N			20	0	0	20
892	034	10	Grn	83	1928	77	128		77	128	1	1	1	0	N	N	N	N	10	0	1	10
892	036	8	Sal	84	1929											N			0	0	0	0
892	038	7	Grn	83	1918	63	137	35	47	102	3	1	1	1	N	N	N	N	7	0	0	7
892	043	11	Sal	83	1921											N			0	0	0	0
892	045	20	Sal	84	1931											N			0	0	0	0
892	047	9	Cat	83	1923	58	121	35	40	85	3	1	2	0	N	N	N	N	9	0	0	9
892	052	19	Sal	84	1928	72	123		72	123	1	0	1	0	N	N			0	0	0	0

Stand Identification				Overstory Characteristics							Understory Characteristics					Stand Characteristics			Site Characteristics			
Compartment	Stand	Acres	Objective	Forest Type	Year of Origin	Total Relative Density	Total Basal Area	Additional Risk	Healthy Relative Density	Healthy Basal Area	Regen Class	Beech Striped Maple Class	Fern/ Grass Class	Birch Class	Mid-story Class	UEAM Class	Sugar Maple Site	Beech Bark Disease	Visually Sensitive Zone	Riparian Zone	Group 3 Soils	Total Sensitive Acres
892	054	15	Grn	83	1923	68	132		68	132	1	1	4	0	N	N	N	N	0	0	1	1
892	055	4	Grn	84	1919	94	140	50	60	90	1	0	4	0	N	N	N	N	0	0	0	0
892	060	14	Grn	83	1928	85	169		85	169	1	1	3	0	N	N	N	N	0	0	0	0
892	064	11	Sal	83	1931											N			11	0	0	11
893	054	4	Sal	83	1923	58	107	20	47	87	1	1	4	4	N	N	N	Y	0	0	0	0
904	005	24	Grn	55	1909	86	162		86	162	4	1	0	0	N	N	N	Y	0	0	0	0
904	006	10	Sal	55	1911	85	164	40	64	124	4	1	1	0	N	N	N	Y	10	0	0	10
904	014	9	Grn	55	1911	54	93		54	93	3	3	0	0	Y	R	N	Y	0	0	0	0

SECTION 3 –DEVELOPMENT OF ALTERNATIVE TREATMENT PROPOSALS

This section describes the process followed to develop stand treatment proposals for each alternative. It also provides definitions of harvest activities and reforestation treatments, discusses environmental consequences, and provides a summary of the acres treated by type of activity for each management area and each alternative considered in the SCPA. Finally, Table 12 lists the individual silvicultural treatments that are proposed in each stand for each alternative.

In all cases, a certified silviculturist approved the stand prescriptions (proposed vegetation treatments) that were developed based on the stand data and on-site field observations. Choosing the appropriate harvest method for the regeneration of a particular stand is influenced by the silvicultural requirements of the species on site, existing stand conditions, long term management objectives as described in the Forest Plan and professional experience. Once project implementation begins, there may be a need to change some of the proposed treatments in order to properly respond to changed biological conditions on a particular site.

The National Forest Management Act of 1976 and the resulting Secretary's Regulations (36 CFR 219.15) require that vegetation management practices be chosen that are appropriate to meet the objectives and requirements of the Land and Resource Management Plan. The use of even-age management is appropriate for the regeneration of species and forest types found on the ANF and in the SCPA.

White-tailed deer cause extensive damage by feeding on seedlings of tree species found on the ANF. Only even-age methods that provide abundant sunlight enabling seedlings to quickly grow out of the reach of deer are practical. Even then, reforestation practices (such as fencing, fertilization, and site preparation) are often necessary (Forest Plan, pp. D 7-9; Marquis, 1994, p. 231-238; Marquis, *et al*., 1992, p. 5-6)

Previously-Approved Activities in the SCPA

Treatments that were approved through previous decisions will be implemented under any of the alternatives, including Alternative 1. Previous decisions that still have outstanding treatments within the SCPA include:

- East Side EIS
- Crop Tree Release I CE
- Crop Tree Release II CE
- Lame Skunk EA
- Porters Prize EA
- Song Bird EA
- Windthrow EA

Table 9 displays a summary of the remaining approved treatments and activities of previous decisions that are possible within the SCPA.

Table 9: Treatments and Activities Remaining from Previously Approved Decisions

Treatment	Acres/Structures
Overstory Removal	163
Two Age Removal	7
Clearcut	89
Two Age	70
Shelterwood Seed/Removal	265
Shelterwood Removal	39
Selection	24
Improvement	18
Thinning	528
Salvage Blowdown	56
Salvage Thinning	397
Site prep or release	416
Herbicide	487
Planting	64
Fence/Fence removal	248
Fertilization	44
Crop tree release	192
Wildlife Structures	7

Development of the Proposed Action (Alternative 2)

The site-specific, present condition for each individual stand was evaluated during the development of the proposed action. This evaluation focused on looking for the best opportunities to meet Spring Creek project objectives. Primary objectives considered related to achieving the age class distributions outlined in the Forest Plan for MA 1.0, 3.0, and 6.1 during the next decade, maintaining healthy forested stands that achieve long-term Forest Plan vegetative management objectives, and achieving wildlife habitat objectives.

The site-specific stand assessment considered stand location, the potential for insect and disease impacts, overstory and understory conditions, density, and recently completed (nearby) silvicultural treatments when proposing new treatments for a given stand. These characteristics or environmental conditions were considered for each of the following analysis categories, while striving to achieve the overall SCPA objectives listed above.

- Evaluate areas of severe tree mortality or decline. If stand conditions indicate severely declining conditions, stand relative densities $\leq$ 40%, consider regeneration harvest in response to this natural catastrophic event(s). In many cases this means a light salvage shelterwood seed cut along with regeneration treatments to encourage development of tree seedlings.

- Evaluate areas of lower tree mortality or decline. If stand conditions indicate somewhat declining conditions, and it lies in an area where additional 0-10 age class is desirable, consider a regeneration harvest – salvage objective. Alternatively, consider a salvage thinning to remove dying or declining trees.

- Evaluate areas where the regeneration sequence has been initiated in the past through application of shelterwood seed cuts or reforestation treatments - consider continuing with the silvicultural treatment initiated (i.e., follow through with final harvests in areas that previously had a shelterwood seed cut applied). The ID team evaluated these treatments to determine if continuing with them fit Spring Creek project objectives, and made the decision to continue to move forward with many of these prescriptions.

- Evaluate the remainder of the SCPA to determine the need for additional regeneration treatments. If a stand is in an area where additional 0-10 year age class is desired, consider regeneration harvest – green objective. If regeneration harvests are selected, the condition of existing and anticipated understory vegetation was evaluated to determine which reforestation activities would be included. These treatments could include site preparation, herbicide application, fence construction, fertilization, and release (non-commercial).

- If relative stand relative density is $\geq$ 80% – consider commercial thinning.

As mentioned above, the site-specific conditions in each stand were evaluated to determine various silvicultural treatment options. Based on this evaluation, even-aged prescriptions were proposed in the proposed action. Evaluation showed that selection of even-aged management was appropriate per National Forest Management Act direction. This determination was made based on species composition, stand overstory condition, and presence or absence of seedling regeneration. This finding is consistent with the appropriateness of even-aged management as defined in the Forest Plan (USDA-FS, 1986a, pp. D-7 through D-11).

Development of Alternatives 3 and 4

Issues identified in the course of analysis for the SCPA resulted in the development of two alternatives to the Proposed Action. Alternatives were developed to respond to:

1. Issues related to road management;
2. Issues related to the use of even-aged or uneven-aged management;
3. Issues related to fragmentation.

Alternative 3 - Alternative 3 was developed in response to two issues; road management (new road construction) and effects of fragmentation. All treatment stands in Alternative 2 were evaluated to identify stands that would need new road construction for access. A computer model (see the Fragmentation Section of the Wildlife discussion in Chapter 3 of the DEIS) was used to evaluate the stands proposed in Alternative 2. A core value was assigned each stand. Stands with high core values that were proposed for regeneration treatments were evaluated. The “no new roads” issue identified 17 stands (222 acres), which were eliminated from this alternative. The “fragmentation” issue identified 15 stands (218 acres) of which 5 stands (60 acres) were also identified by the previous issue. Of the 10 stands (158 acres) that were only identified as “fragmentation” stands, 5 stands (102 acres) were eliminated from Alternative 3. The remaining 5 stands (56 acres) had their prescription changed from a regeneration treatment to a thinning treatment.

Alternative 4 - Alternative 4 provides an increased emphasis on the use of uneven-aged management as a silvicultural method. All stands except those with release, site prep, planting and salvage windthrow prescriptions in Alternative 2 were evaluated to identify stands that might be biologically feasible. A total of 1963 acres were considered biologically feasible for uneven-aged management in the SCPA;

1,888 acres are proposed for treatment in this alternative. Characteristics indicating biological suitability include the following: 1) having more than 35 BA of shade-tolerant species; and/or 2) sufficient shade-tolerant regeneration.

Alternative 4 also includes salvage thinning, salvage windthrow, planting, site prep and release prescriptions. The salvage thinning and salvage windthrow prescriptions were included since neither prescription influences stand management direction toward even-aged/uneven-aged management. Planting, site prep and release are all proposed in order to support biodiversity, reforestation, and uneven-aged management goals, including treating areas already harvested within the project area (as a result of a previous decision) where additional treatments are needed to help achieve these objectives.

Alternative Treatment Table Definitions

The Alternative Treatment Tables (Table 10 and Table 11) summarize harvest and reforestation treatment acres in each alternative. See below for definitions of each type of treatment. The Stand Treatment Table (Table 12) lists the proposed silvicultural treatments, harvest and reforestation, by individual stand.

EVEN-AGED SILVICULTURAL SYSTEM HARVEST ACTIVITY DEFINITIONS

Intermediate Thinning

This is an intermediate cut designed to enhance the growth and quality of trees. Thinnings are being prescribed for stands having some trees that either are of poor quality or are at risk of dying during the next 5 to 10 years. Some stands proposed for thinning may be highly stocked (normally >80% stand relative density) and need to have stocking levels reduced in order to enhance residual tree survival or to concentrate growth on the best trees. Intermediate thinnings would occur during the next 5 years.

Salvage Thinning

This intermediate cut is designed to utilize dead and high-risk dying trees that will not be merchantable if they were left in the stand until the next scheduled entry. This treatment is being proposed in stands similar to those where an intermediate thinning would be prescribed. However, at least 50% of the volume being harvested includes trees that are dead or will die in the next 5 to 10 years. This treatment would occur during the next 5 years.

Shelterwood Seed Cut/Shelterwood Removal Cut

This regeneration treatment is prescribed where it is desirable to establish tree seedlings and where there is an opportunity to increase the seedling component to achieve wildlife and/or age class objectives. Typically this treatment is prescribed for mature or maturing stands. However, it may also be used in stands where the interdisciplinary (ID) team has determined that establishing regeneration is needed to meet other objectives. This treatment is considered a green treatment where in both entries the majority of the trees removed are healthy trees.

The purpose of the shelterwood seed cut is to leave mid-sized, seed-bearing trees, while removing enough trees to provide at least 50% sunlight on the ground for seedling development. Typically seedlings become established in 3-8 years, at which time the remainder of the overstory is often removed (except for residual and wildlife trees). The overstory removal creates full sunlight conditions on the ground, which enables newly established seedlings to survive and grow freely. Stocking surveys are used to monitor seedling development, and reforestation practices may be necessary to enhance

seedling development. These may include site preparation, herbicide application, fencing, fertilization and release.

Salvage Shelterwood Seed Cut/Green Shelterwood Removal Cut

This regeneration treatment is very similar to the Responsive Shelterwood Seed Cut/Shelterwood Removal Cut described above. The treatment has an overall green objective. The exception is that the first entry will primarily remove (salvage), trees that are dead or at risk of dying within the next 5 to 10 years. The second entry will remove primarily green healthy trees.

Responsive Shelterwood Seed Cut/Shelterwood Removal Cut

This regeneration treatment is similar to the Shelterwood Seed Cut/Shelterwood Removal Cut described above. Due to a natural catastrophic event(s), such as pest and disease outbreaks, drought or wind damage, a stand has been put in an unhealthy condition and the stand is poorly stocked (i.e., the relative density of healthy trees has dropped below 40%). Since this treatment is in response to a natural catastrophic event, it has a “catastrophic” management objective. The first entry will remove salvage and green (healthy) trees. The second entry will remove primarily “green” trees.

Salvage Shelterwood Seed Cut/Shelterwood Removal Cut

This regeneration treatment is very similar to the Shelterwood Seed Cut/Shelterwood Removal Cut described above. The treatment has an overall salvage objective. The exception is that the first and second entry will primarily remove salvage, trees that are dead or at risk of dying within the next 5 to 10 years.

Responsive Shelterwood Removal

Due to a natural catastrophic event(s), such as pest and disease outbreaks, drought or wind damage, a stand has been put in an unhealthy condition and the stand is poorly stocked (the relative density of healthy trees has dropped below 40%). Since this treatment is in response to a natural catastrophic event, it has a “catastrophic” management objective. This is a regeneration cut in which the overstory trees are removed (except for reserve and wildlife trees) in one cut to create a single age class. Natural seedlings have become established as a result of past management activities or natural catastrophic events. Sufficient seedlings are present on the site to allow the removal of overstory trees to occur. The shelterwood removal creates full sunlight conditions on the ground that enables established seedlings to survive and grow freely. As with all removal cuts, monitoring of the stand for several years helps to insure adequate seedling development has occurred. Stocking surveys are used to monitor seedling development, and reforestation practices may be necessary to enhance seedling development. These may include site preparation, herbicide application, fencing, fertilization, and release (non-commercial). These treatments would occur during the next 5 years.

Salvage Shelterwood Removal

This is a regeneration cut in which the overstory trees are removed (except for reserve and wildlife trees) in one cut to create a single age class. The treatment has an overall salvage objective. The entry will primarily remove salvage, trees that are dead or at risk of dying within the next 5 to 10 years. Natural seedlings have become established as a result of past timber harvest, generally a shelterwood seed cut. Sufficient seedlings are present on the site to allow the removal of overstory trees to occur. The removal creates full sunlight conditions on the ground that enables established seedlings to survive and grow freely. As with all removal cuts, monitoring of the stand for several years helps to insure adequate

seedling development has occurred. Stocking surveys are used to monitor seedling development, and reforestation practices may be necessary to enhance seedling development. These may include site preparation, herbicide application, fencing, fertilization, and release (non-commercial). These treatments would occur during the next 5 years.

Two-Age Prep Cut and Salvage Two-Aged Prep Cut

This regeneration treatment is the first step in a sequence where the prescription is designed to establish tree seedlings and create a two-age condition, and where there is an opportunity to increase the seedling component to achieve wildlife and/or age class objectives. Typically this treatment is prescribed for mature or maturing stands. However, it may also be used in stands where the interdisciplinary (ID) team has determined that establishing regeneration is needed to meet other objectives. The treatments would occur during the next 5 years.

The purpose of the two-aged prep cut is to leave large, seed-bearing trees, while removing enough trees to provide at least 50% sunlight on the ground for seedling development. It prepares the stand for the subsequent two-aged shelterwood seed cut. A salvage two-aged prep cut would remove primarily salvage during this entry.

Two-aged Shelterwood Seed Cut

This regeneration treatment is prescribed where it is desirable to establish tree seedlings under a two-age system, and where there is an opportunity to increase the seedling component to achieve wildlife and/or age class objectives. Typically this treatment is prescribed for mature or maturing stands. However, it may also be used in stands where the interdisciplinary (ID) team has determined that establishing regeneration is needed to meet other objectives. This treatment is usually the second entry in a sequence of treatments. It also may occur after a natural catastrophic event. The treatments would occur during the next 5 years.

The purpose of the two-aged shelterwood seed cut is to leave large, seed-bearing trees, while removing enough trees to provide at least 80% sunlight on the ground for seedling development. Typically some seedlings had become established in the previous 3-8 years, the remaining trees continue to produce seed. This cut enables newly established seedlings to survive and grow freely. Stocking surveys are used to monitor seedling development, and reforestation practices may be necessary to enhance seedling development. These may include site preparation, herbicide application, fencing, fertilization, and release (non-commercial).

Shelterwood Removal Cut

This is a regeneration cut in which the overstory trees are removed (except for reserve and wildlife trees) in one cut to create a single age class. Natural seedlings have become established as a result of past timber harvest, generally a shelterwood seed cut. Sufficient seedlings are present on the site to allow the removal of overstory trees to occur. The shelterwood removal creates full sunlight conditions on the ground that enables established seedlings to survive and grow freely. As with all removal cuts, monitoring of the stand for several years helps to insure adequate seedling development has occurred. Stocking surveys are used to monitor seedling development, and reforestation practices may be necessary to enhance seedling development. These may include site preparation, herbicide application, fencing, fertilization, and release (non-commercial). These treatments would occur during the next 5 years.

Responsive Clearcut

Due to natural catastrophic event(s) such as pest and disease outbreaks, drought or wind damage, a stand has been put in an unhealthy condition and is poorly stocked (i.e., the relative density of healthy trees has dropped below 40%). Since this treatment is in response to a natural catastrophic event, it has a "catastrophic" management objective. This is a regeneration cut in which the overstory trees are removed (except for reserve and wildlife trees) in one cut to create a single age class. Natural seedlings may have become established as a result of past management activities or catastrophic event(s). Sufficient seedlings may be present, or planted later, on the site. The removal creates full sunlight conditions on the ground that enables established seedlings to survive and grow freely. As with all removal cuts, monitoring of the stand for several years helps to insure adequate seedling development has occurred. Stocking surveys are used to monitor seedling development, and reforestation practices may be necessary to enhance seedling development. These may include site preparation, herbicide application, fencing, planting, fertilization, and release (non-commercial). These treatments would occur during the next 5 years.

Uneven-aged Silvicultural System Harvest Activity Definitions

Single-Tree Selection

This is a regeneration cut in which an uneven-aged structure is created and maintained by removing trees, from all size classes. Individual trees of all size classes are removed more-or-less uniformly throughout the stand to achieve a range of diameter classes within the residual stand. Stands will be monitored as part of a study, as uneven-aged management is currently considered an adaptive management technique on the ANF. Reforestation practices may include various combinations of site preparation, herbicide application, fencing, and release (non-commercial).

Other Vegetative Treatments

Salvage Windthrow

This treatment is only to salvage trees, that are dead or at risk of dying within the next 5 to 10 years, which have been blown over or nearly so. This treatment does not influence the future management direction toward either even-aged or uneven-aged management.

Reforestation Treatments Applied Both In Even-Aged And Uneven-Aged Silvicultural Systems

The following reforestation treatments may be used to help achieve reforestation objectives for either even-aged or uneven-aged silvicultural systems, unless otherwise noted.

Site Preparation

This treatment is proposed to remove stems that would interfere with the development of seedlings. If selected for even-aged management, both beech and striped maple would be removed. If selected for uneven-aged management, only striped maple would be removed. Beech would be retained for the uneven-aged regeneration component.

Herbicide

This treatment is proposed to remove existing or anticipated understory vegetation that interferes with

the development of seedlings.

Fence

Area fences are used in locations where deer browse is high, to exclude deer from browsing on seedlings.

Release

This treatment is used in regenerating stands (5-20 years old) where species composition is being dominated by species that do not meet the long-term management objectives for the stand. Most of the trees to be cut will be birch, beech, striped maple, and pin (fire) cherry. These species regenerate readily and partially removing some of them will release other tree species, such as oak, cucumber tree, sugar maple, tulip poplar, white ash, red maple, and black cherry. Beech and birch will only be released if they are being overtopped by or in competition with pin cherry or striped maple. Release treatments conducted in stands managed uneven-aged will favor tree species that are more shade tolerant.

Fertilization

This treatment is used to accelerate the development of natural regeneration in regenerating stands managed even-aged. It is not used to help stimulate seedling development in uneven-aged stands. Small seedlings are susceptible to browsing by deer. Taller seedlings are less susceptible to damage from deer. By accelerating the height growth of seedlings, increased regeneration success can be achieved. Fertilization is used primarily in the Allegheny hardwood forest type where black cherry seedlings are abundant, since many other seedling species do not respond well to it.

Planting/Tree Shelters

Planting tree seedlings is done to increase the success rate in regenerating stands or to increase species diversity within a stand.

Tree shelters are used to protect either planted seedlings or natural seedlings from deer browsing and other natural stresses.

Table 10: Summary of Acres by Management Area and Silvicultural Treatment (Harvest) for Each Alternative in the SCPA

MA	Silvicultural Harvest Treatment	Alt. 1	Alt. 2	Alt. 3	Alt. 4
1.0	Shelterwood Seed cut/ Shelterwood Removal Sequence	0	52	34	0
	Salvage Shelterwood Seed Cut/ Green Shelterwood Removal Sequence	0	7	7	0
	Selection Cutting	0	0	0	44
3.0	Responsive Clearcut	0	47	47	0
	Two-Age Prep Cut	0	25	19	0
	Salvage Two-Age Prep Cut	0	32	32	0
	Shelterwood Seed cut/ Shelterwood Removal Sequence	0	926	780	0
	Responsive Shelterwood Seed Cut/ Shelterwood Removal Sequence	0	442	428	0
	Salvage Shelterwood Seed Cut/ Green Shelterwood Removal Sequence	0	233	202	0
	Salvage Shelterwood Seed Cut/ Shelterwood Removal Sequence	0	22	22	0
	Shelterwood Removal	0	141	141	0
	Responsive Shelterwood Removal	0	105	105	0
	Salvage Shelterwood Removal	0	9	9	0
	Delayed Two-Aged Cut	0	12	0	0
	Delayed Shelterwood Removal	0	173	171	0
	Delayed Responsive Shelterwood Removal	0	57	57	0
	Intermediate Thinning	0	1036	952	0
	Salvage Thinning	0	561	582	576
	Selection Cutting	0	63	63	1827
	Salvage Windthrow[1]	0	488	488	646
6.1	Responsive Clearcut	0	34	34	0
	Two-Age Prep Cut	0	40	0	0
	Salvage Shelterwood Seed Cut/ Green Shelterwood Removal Sequence	0	9	0	0
	Intermediate Thinning	0	113	136	0
	Salvage Thinning	0	7	7	41
	Selection Cutting	0	0	0	17
Summary	Responsive Clearcut	0	81	81	0
	Two-Age Prep Cut	0	65	19	0
	Salvage Two-Age Prep Cut	0	32	32	0
	Shelterwood Seed Cut/ Shelterwood Removal Sequence	0	978	814	0
	Responsive Shelterwood Seed Cut/ Shelterwood Removal Sequence	0	442	428	0
	Salvage Shelterwood Seed Cut/ Green Shelterwood Removal Sequence	0	249	209	0
	Salvage Shelterwood Seed Cut/ Shelterwood Removal Sequence	0	22	22	0
	Shelterwood Removal	0	141	141	0
	Responsive Shelterwood Removal	0	105	105	0

MA	Silvicultural Harvest Treatment	Alt. 1	Alt. 2	Alt. 3	Alt. 4
	Salvage Shelterwood Removal	0	9	9	0
	Delayed Two-Aged Shelterwood Seed Cut	0	12	0	0
	Delayed Shelterwood Removal	0	173	171	0
	Delayed Responsive Shelterwood Removal	0	57	57	0
	Intermediate Thinning	0	1149	1088	0
	Salvage Thinning	0	568	589	617
	Selection Cutting	0	63	63	1888
	Salvage Windthrow[1]	0	488	488	646
	0 - 10 created first entry	0	336	336	0
	0 - 10 created second entry	0	2030	1752	0
	Total 0 - 10 created	0	2366	2088	0

1. Indicates estimated treatment acres. Windthrown or wind damaged trees within stands will be considered for harvest.

Table 11: Summary of Acres by Management Area and Silvicultural Reforestation Treatment for Each Alternative in the SCPA

MA	Silvicultural Reforestation Treatment	Alt 1	Alt 2	Alt 3	Alt 4
1.0	**Associated with Harvest Treatments**				
	Herbicide	0	59	41	44
	Site Prep	0	15	7	34
	Fence	0	59	41	0
	Tree Shelters	0	0	0	44
	Planting	0	0	0	0
	Release	0	51	41	44
3.0	**Associated with Harvest Treatments**				
	Herbicide	0	2140	1944	1899
	Site Prep	0	2014	1841	2147
	Fertilize	0	142	141	0
	Fence	0	1506	1266	478
	Tree Shelters	0	403	368	1194
	Planting	0	333	315	454
	Release	0	2261	2094	2320
	Reforestation and Release Only[1]				
	Herbicide	0	69	69	77
	Site Prep	0	52	52	100
	Fence	0	29	29	69
	Tree Shelters	0	69	69	75
	Planting	0	57	57	58
	Release	0	965	965	1007

MA	Silvicultural Reforestation Treatment	Alt 1	Alt 2	Alt 3	Alt 4
6.1	**Associated with Harvest Treatments**				
	Herbicide	0	93	44	51
	Site Prep	0	9	0	0
	Fence	0	9	0	17
	Tree Shelters	0	48	44	34
	Planting	0	48	44	34
	Release	0	9	0	17
	Reforestation and Release Only[1]				
	Herbicide	0	15	15	15
	Site Prep	0	0	0	0
	Fence	0	0	0	0
	Tree Shelters	0	15	15	15
	Planting	0	15	15	15
	Release	0	30	30	30
Summary	Herbicide	0	2376	2113	2086
	Site Prep	0	2090	1900	2281
	Fertilize	0	142	141	0
	Fence	0	1603	1336	564
	Tree Shelters	0	535	496	1362
	Planting	0	453	431	561
	Release	0	3316	3130	3418

1. The harvest treatments were part of a previous project decision and have already been completed on these sites

Definitions for Table 12:

1. **Compartment -** Land areas on the ANF are subdivided into units called compartments (normally 500 to 1,000 acres in size). Compartment boundaries usually follow roads, streams, ridgelines or some other identifiable boundary.
2. **Stand -** Land areas within compartments are further subdivided into stands. Stand boundaries are defined as areas with similar species distribution, stocking, and age. Previous and on-going management decisions and site capability/management limitations also determine stand boundaries.
3. **Acres -** Stand acreage calculated using Geographic Information System polygons.
4. **Objective**: Identifies the primary objective considered when selecting stand treatments.
    a. **Sal** = Salvage - For thinnings and regeneration harvests, where more than 50% of the volume is dead or dying.
    b. **Grn** = Green - For thinnings, used where more than 50% of the volume is from healthy trees. For regeneration harvests, used where healthy relative density is > 40%.
    c. **Cat** = Catastrophic - For regeneration harvests, where the healthy relative density is ≤ 40% due to catastrophic event.
5. **Alt #** – Alternative: Identifies stands that are included for the particular alternative.
    a. **Y** = Yes, stand treatment is proposed in the alternative.
    b. **N** = No, stand treatment is not proposed in the alternative.

6. **Cut 1** = First Harvest Method – Identifies the method of cut for the first round of harvests (scheduled to occur within the next 1 – 3 years).
    a. **0** = No harvest in the first entry, harvest will be deferred until second entry
    b. **114** = Salvage Clearcut
    c. **122** = Two-age Prep cut
    d. **131** = Shelterwood Seed cut
    e. **141** = Shelterwood Removal cut
    f. **151** = Selection cut
    g. **220** = Intermediate Thinning
    h. **231** = Salvage Thinning, dead or dying only
    i. **232** = Salvage Thinning, $\geq$ 50% removed is dead or dying
    j. **999** = No harvest, reforestation activities only
7. **Cut 2** = Second Harvest Method – Identifies the method of cut for the second round of harvests (scheduled to occur within 5 – 10 years).
    a. **0** = No second entry harvest scheduled
    b. **132** = Two-age cut
    c. **141** = Shelterwood Removal cut
8. **Reforestation Treatments -** The following column headings denote the particular reforestation treatments that are prescribed for a stand. Values in each column indicate the number of acres within a stand that are to receive the treatment. More detailed descriptions of treatments and discussion of effects are found in Chapter 3, Vegetation Section.
    a. **Herbicide** = Herbicide Application
    b. **SP** = Site Preparation
    c. **Fertilize** = Fertilization
    d. **Fence** = Area Fence
    e. **TS** = Tree Shelter (Individual Tree Fence)
    f. **Plant** = Planting of tree and shrub species
    g. **Release** = Release

Table 12: Individual Stand Silvicultural Treatments for the SCPA

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
672	082	2	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
673	015	32	Grn	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
673	019	12	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
673	042	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
673	060	12	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
673	064	9	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
673	095	16	Grn	Y	131	141	16	0	0	16	0	0	16	Y	131	141	16	0	0	16	0	0	16	Y	151	16	16	0	0	16	0	16
673	097	7	Grn	Y	131	141	7	7	0	7	0	0	7	Y	131	141	7	7	0	7	0	0	7	N	0	0	0	0	0	0	0	0
673	101	8	Grn	Y	131	141	8	8	0	8	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
673	102	10	Grn	Y	131	141	10	0	0	10	0	0	10	N	0	0	0	0	0	0	0	0	0	Y	151	10	10	0	0	10	0	10
673	103	10	Grn	Y	131	141	10	0	0	10	0	0	10	Y	131	141	10	0	0	10	0	0	10	Y	151	10	0	0	0	10	0	10
673	104	3	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
673	105	11	Cat	Y	131	141	11	0	0	0	11	11	11	Y	131	141	11	0	0	0	11	11	11	Y	231	11	0	0	0	6	6	11
673	106	5	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
673	107	20	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
673	110	7	Cat	Y	131	141	7	0	0	0	7	7	7	Y	131	141	7	0	0	0	7	7	7	Y	231	7	0	0	0	7	7	7
673	111	8	Grn	Y	131	141	8	0	0	8	0	0	8	Y	131	141	8	0	0	8	0	0	8	Y	151	8	8	0	0	8	0	8
680	056	7	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
680	057	6	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
681	006	27	Grn	Y	999	0	4	0	0	0	4	4	27	Y	999	0	4	0	0	0	4	4	27	Y	999	4	0	0	0	4	4	27
681	014	17	Grn	Y	122	132	17	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	Y	151	17	0	0	17	0	0	17
681	046	23	Grn	Y	122	132	23	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
681	052	5	Grn	Y	131	141	5	0	5	5	0	0	5	Y	131	141	5	0	5	5	0	0	5	Y	151	0	5	0	0	2	2	5
682	001	19	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
682	014	30	Grn	Y	999	0	15	0	0	0	15	15	30	Y	999	0	15	0	0	0	15	15	30	Y	999	15	0	0	0	15	15	30

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
682	019	17	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
682	021	18	Grn	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
682	035	3	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
682	036	9	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
682	037	52	Grn	Y	220	0	10	0	0	0	10	10	0	Y	220	0	10	0	0	0	10	10	0	N	0	0	0	0	0	0	0	0
682	039	25	Cat	Y	114	0	25	0	0	0	25	25	0	Y	114	0	25	0	0	0	25	25	0	Y	231	25	0	0	0	25	25	0
682	040	9	Cat	Y	114	0	9	0	0	0	9	9	0	Y	114	0	9	0	0	0	9	9	0	Y	231	9	0	0	0	9	9	0
682	044	6	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
682	045	9	Grn	Y	131	141	9	9	0	9	4	4	9	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
682	046	18	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
683	001	13	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
683	018	11	Grn	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
683	052	7	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	7	7	0	7	7	3	7
683	055	10	Grn	Y	131	141	10	10	0	10	0	0	10	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
683	067	24	Grn	Y	131	141	24	24	0	24	0	0	0	N	0	0	0	0	0	0	0	0	0	Y	151	24	24	0	0	0	0	24
683	069	10	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
693	001	47	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	47	47	0	0	47	23	47
693	025	40	Grn	Y	141	0	40	0	0	0	0	0	40	Y	141	0	40	0	0	0	0	0	40	Y	151	40	40	0	0	40	0	40
693	039	10	Grn	Y	999	0	0	0	0	0	0	0	10	Y	999	0	0	0	0	0	0	0	10	Y	999	0	0	0	0	0	0	10
693	041	36	Grn	Y	999	0	0	0	0	0	0	0	36	Y	999	0	0	0	0	0	0	0	36	Y	999	0	0	0	0	0	0	36
693	045	11	Grn	Y	999	0	0	0	0	0	0	0	11	Y	999	0	0	0	0	0	0	0	11	Y	999	0	0	0	0	0	0	11
693	048	16	Grn	Y	131	141	16	10	0	16	0	0	16	Y	131	141	16	10	0	16	0	0	16	Y	151	16	16	0	0	16	8	16
693	049	7	Grn	Y	131	141	7	7	0	7	0	0	7	Y	131	141	7	7	0	7	0	0	7	N	0	0	0	0	0	0	0	0
693	050	13	Grn	Y	131	141	13	13	0	0	0	0	13	Y	131	141	13	13	0	0	0	0	13	N	0	0	0	0	0	0	0	0
693	051	9	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
693	053	4	Grn	Y	131	141	4	4	0	4	0	0	4	Y	131	141	4	4	0	4	0	0	4	Y	151	4	4	0	0	1	1	4
693	054	9	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
693	056	18	Grn	Y	131	141	18	18	0	18	0	0	18	Y	131	141	18	18	0	18	0	0	18	N	0	0	0	0	0	0	0	0
693	059	16	Grn	Y	131	141	16	8	16	16	0	0	16	Y	131	141	16	8	16	10	0	0	16	N	0	0	0	0	0	0	0	0
693	060	9	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
693	062	7	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
693	064	2	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
695	013	26	Grn	Y	131	141	26	26	0	26	0	0	26	Y	131	141	26	26	0	26	0	0	26	Y	151	26	26	0	26	0	0	26
695	025	39	Grn	Y	131	141	39	39	0	39	0	0	39	N	0	0	0	0	0	0	0	0	0	Y	151	39	39	0	0	0	0	39
695	027	22	Grn	Y	999	0	0	0	0	0	0	0	22	Y	999	0	0	0	0	0	0	0	22	Y	999	0	0	0	0	0	0	22
695	030	17	Grn	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	17
695	058	20	Grn	Y	0	141	20	20	0	20	0	0	20	Y	0	141	20	20	0	20	0	0	20	Y	151	20	0	0	0	0	0	20
695	062	8	Grn	Y	131	141	8	8	0	8	0	0	8	Y	131	141	8	8	0	8	0	0	8	Y	151	8	8	0	0	0	0	8
696	017	16	Grn	Y	131	141	16	16	0	17	0	0	16	Y	131	141	16	16	0	0	0	0	16	Y	231	0	0	0	0	0	0	0
696	022	32	Grn	Y	0	141	32	32	0	32	0	0	32	Y	0	141	32	32	0	0	0	0	32	N	0	0	0	0	0	0	0	0
696	040	19	Grn	Y	131	141	19	0	0	19	0	0	19	Y	131	141	19	0	0	19	0	0	19	Y	151	19	19	0	0	19	0	19
696	042	6	Grn	Y	131	141	6	6	0	0	6	0	6	Y	131	141	6	6	0	0	6	0	6	N	0	0	0	0	0	0	0	0
696	054	9	Grn	Y	131	141	9	0	0	0	0	0	9	Y	131	141	9	0	0	0	0	0	9	N	0	0	0	0	0	0	0	0
696	055	12	Grn	Y	131	141	12	12	12	0	0	0	12	Y	131	141	12	12	12	0	0	0	12	N	0	0	0	0	0	0	0	0
696	056	7	Sal	Y	232	0	3	7	0	0	7	7	0	Y	232	0	3	7	0	0	7	7	0	Y	151	7	7	0	0	3	3	7
697	001	19	Grn	Y	131	141	19	12	0	0	0	0	19	Y	131	141	19	12	0	0	0	0	19	N	0	0	0	0	0	0	0	0
697	016	15	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
697	017	34	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	34	34	0	0	17	17	34
697	025	14	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
697	028	23	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	23	23	0	0	10	10	23
697	030	35	Grn	Y	141	0	0	35	0	0	4	4	35	Y	141	0	0	35	0	0	4	4	35	N	0	0	0	0	0	0	0	0
697	032	10	Grn	Y	131	141	10	10	0	10	0	0	10	Y	131	141	10	10	0	10	0	0	10	Y	151	0	10	0	0	0	0	10
697	041	6	Grn	Y	131	141	6	6	0	6	3	3	6	Y	131	141	6	6	0	6	3	3	6	Y	231	0	0	0	0	0	0	0
697	042	18	Grn	Y	131	141	18	10	0	18	0	0	18	Y	131	141	18	10	18	0	0	0	18	N	0	0	0	0	0	0	0	0

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
697	043	4	Grn	Y	999	0	0	0	0	0	0	0	4	Y	999	0	0	0	0	0	0	0	4	Y	999	0	0	0	0	0	0	4
697	055	19	Grn	Y	131	141	19	19	0	0	0	0	19	Y	131	141	19	19	0	0	0	0	19	N	0	0	0	0	0	0	0	0
697	059	10	Grn	Y	131	141	10	5	0	10	0	0	10	Y	131	141	10	5	0	0	0	0	10	N	0	0	0	0	0	0	0	0
697	065	12	Grn	Y	131	141	12	12	0	12	0	5	12	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
697	066	4	Grn	Y	131	141	4	4	0	0	0	0	4	Y	131	141	4	4	0	0	0	0	4	Y	151	4	4	0	0	2	2	4
697	067	6	Grn	Y	122	132	6	6	0	0	6	6	6	Y	122	132	6	6	0	0	6	6	6	Y	151	6	0	0	0	6	0	6
697	068	14	Grn	Y	0	141	14	14	14	0	0	0	14	Y	0	141	14	14	14	0	0	0	14	Y	151	14	14	0	0	14	0	14
697	070	13	Grn	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	Y	151	0	13	0	0	13	6	13
697	071	6	Grn	Y	122	132	6	0	0	0	6	6	6	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
697	073	10	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	0	10	0	0	5	5	10
697	075	3	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	3	3	0	0	3	3	3
697	076	6	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	6	6	0	6	3	3	6
698	009	22	Grn	Y	0	141	22	22	0	22	3	3	22	Y	0	141	22	22	0	22	3	3	22	Y	151	22	22	0	0	22	0	22
698	010	7	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	7	7	0	0	7	3	7
698	017	11	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	0	11	0	0	0	0	11
698	020	41	Grn	Y	131	141	40	40	0	0	2	2	40	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
698	027	17	Grn	Y	131	141	17	17	0	17	3	3	17	Y	131	141	17	17	0	17	3	3	17	N	0	0	0	0	0	0	0	0
698	040	17	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	0	17	0	0	8	0	17
698	041	8	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	0	8	0	0	0	0	8
698	042	5	Grn	Y	999	0	0	0	0	0	0	0	5	Y	999	0	0	0	0	0	0	0	5	Y	999	0	0	0	0	0	0	5
698	043	16	Grn	Y	131	141	16	16	0	16	3	3	16	Y	131	141	16	16	0	0	3	3	16	N	0	0	0	0	0	0	0	0
698	052	14	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	14	14	0	0	0	0	14
698	056	5	Grn	Y	131	141	5	5	0	0	0	0	5	Y	131	141	5	5	0	0	0	0	5	N	0	0	0	0	0	0	0	0
698	062	18	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	18	0	0	0	18	9	18
698	063	14	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	14	14	0	14	7	7	14
698	064	17	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	17	17	0	0	17	8	17
698	065	10	Grn	Y	131	141	10	10	0	0	0	0	10	Y	131	141	10	10	0	0	0	0	10	Y	151	10	10	0	0	10	0	10

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
698	066	7	Grn	Y	131	141	7	7	0	7	0	0	7	Y	131	141	7	7	0	7	0	0	7	Y	151	7	7	0	0	0	0	7
698	067	8	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	8	8	0	0	4	0	8
698	068	17	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	17	17	0	0	17	8	17
698	069	12	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	12	12	0	0	6	0	12
698	070	28	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	28	28	0	0	0	0	28
699	003	13	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
699	005	3	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
699	010	6	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	6	6	0	0	6	3	6
699	018	16	Grn	Y	999	0	0	0	0	0	0	0	16	Y	999	0	0	0	0	0	0	0	16	Y	999	0	0	0	0	0	0	16
699	021	7	Cat	Y	131	141	7	7	0	7	1	1	7	Y	131	141	7	7	0	7	1	1	7	Y	231	7	7	0	7	1	1	7
699	028	19	Grn	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	19
699	030	28	Grn	Y	999	0	0	0	0	0	0	0	28	Y	999	0	0	0	0	0	0	0	28	Y	999	0	0	0	0	0	0	28
699	031	32	Grn	Y	122	132	32	32	0	32	3	3	32	Y	122	132	32	32	0	32	3	3	32	Y	151	32	32	0	0	32	0	32
699	036	15	Grn	Y	999	0	0	0	0	0	0	0	15	Y	999	0	0	0	0	0	0	0	15	Y	999	0	0	0	0	0	0	15
699	043	20	Cat	Y	114	0	20	20	0	20	0	0	20	Y	114	0	20	20	0	20	0	0	20	Y	231	20	10	0	20	0	0	20
699	050	13	Sal	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
699	051	32	Cat	Y	131	141	32	32	0	32	5	5	32	Y	131	141	32	32	0	32	5	5	32	Y	231	32	32	0	32	5	5	32
699	052	5	Cat	Y	131	141	5	5	0	5	2	1	5	Y	231	0	5	5	0	5	2	1	5	Y	231	0	0	0	0	0	0	0
699	053	29	Grn	Y	131	141	29	29	0	29	0	0	29	Y	131	141	29	29	0	29	0	0	29	Y	151	29	29	0	0	29	0	29
699	054	3	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
699	055	2	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
700	123	5	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
702	011	11	Grn	Y	131	141	11	11	0	11	0	0	11	Y	131	141	11	11	0	11	0	0	11	Y	151	11	11	0	0	11	5	11
702	014	3	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
702	025	19	Grn	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	19
702	027	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
702	028	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
702	029	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
702	034	5	Grn	Y	999	0	0	0	0	0	0	0	5	Y	999	0	0	0	0	0	0	0	5	Y	999	0	0	0	0	0	0	5
702	035	8	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
702	040	28	Grn	Y	999	0	0	0	0	0	0	0	28	Y	999	0	0	0	0	0	0	0	28	Y	999	0	0	0	0	0	0	28
702	041	22	Grn	Y	131	141	22	22	0	22	0	0	22	Y	131	141	22	22	0	22	0	0	22	Y	151	22	22	0	0	0	0	22
702	055	19	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
702	060	20	Cat	Y	131	141	20	20	20	0	0	0	20	Y	131	141	20	20	20	0	0	0	20	Y	231	20	20	0	0	0	0	20
702	075	6	Grn	Y	999	0	0	0	0	0	0	0	6	Y	999	0	0	0	0	0	0	0	6	Y	999	0	0	0	0	0	0	6
702	077	13	Grn	Y	131	141	13	0	0	13	0	0	13	Y	131	141	13	0	0	13	0	0	13	N	0	0	0	0	0	0	0	0
702	078	5	Grn	Y	999	0	0	0	0	0	0	0	5	Y	999	0	0	0	0	0	0	0	5	Y	999	0	0	0	0	0	0	5
702	079	4	Grn	Y	131	141	4	4	0	4	0	0	4	Y	131	141	4	4	0	4	0	0	4	N	0	0	0	0	0	0	0	0
702	084	6	Grn	Y	131	141	6	6	0	0	0	0	6	Y	131	141	6	6	0	0	0	0	6	N	0	0	0	0	0	0	0	0
702	090	11	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
702	091	4	Grn	Y	131	141	4	4	0	0	0	0	4	Y	131	141	4	4	0	0	0	0	4	Y	151	4	4	0	0	0	0	4
702	092	2	Grn	Y	131	141	2	2	0	0	0	0	2	Y	131	141	2	2	0	0	0	0	2	Y	151	2	2	0	0	0	0	2
702	093	12	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
702	094	10	Grn	Y	131	141	10	10	0	10	0	0	10	Y	131	141	10	10	0	10	0	0	10	Y	151	10	10	0	0	0	0	10
702	095	5	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
703	008	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
703	009	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
703	022	35	Grn	Y	131	141	35	35	35	0	0	0	35	Y	131	141	35	35	35	0	0	0	35	N	0	0	0	0	0	0	0	0
703	027	10	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	0	13	0	0	5	0	10
703	035	54	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
703	039	4	Sal	Y	231	0	4	4	0	0	0	0	0	Y	231	0	4	4	0	0	0	0	0	Y	231	4	4	0	0	0	0	0
703	041	10	Grn	Y	141	0	10	10	0	10	0	0	0	Y	141	0	10	10	0	10	0	0	0	N	0	0	0	0	0	0	0	0
703	042	22	Grn	Y	131	141	22	22	0	0	5	0	22	Y	131	141	22	22	0	0	0	0	22	Y	151	22	22	0	0	22	0	22
703	057	8	Grn	Y	131	141	8	8	8	0	4	0	8	Y	131	141	8	8	8	0	4	0	8	Y	151	8	8	0	0	0	0	8

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
703	059	3	Sal	Y	231	0	3	3	0	0	0	0	0	Y	231	0	3	3	0	0	0	0	0	Y	231	3	3	0	0	0	0	0
703	060	6	Grn	Y	131	141	6	6	0	0	0	0	6	Y	131	141	6	6	0	0	0	0	6	N	0	0	0	0	0	0	0	0
703	062	2	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
703	063	3	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
706	033	40	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
706	034	21	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
706	043	28	Grn	Y	131	141	28	18	0	28	0	0	28	Y	131	141	28	18	0	28	0	0	28	N	0	0	0	0	0	0	0	0
706	044	25	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
706	045	10	Grn	Y	131	141	10	10	0	10	0	0	10	Y	131	141	10	10	0	0	0	0	10	N	0	0	0	0	0	0	0	0
706	046	15	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
706	047	9	Grn	Y	131	141	9	9	0	0	4	1	9	Y	131	141	9	9	0	0	4	1	9	N	0	0	0	0	0	0	0	0
706	048	8	Grn	Y	131	141	8	8	0	0	8	1	8	Y	131	141	8	8	0	0	8	1	8	N	0	0	0	0	0	0	0	0
707	006	33	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	0	33	0	0	16	16	33
707	007	12	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	12	12	0	0	6	6	12
707	014	17	Grn	Y	131	141	17	7	0	0	12	2	17	Y	131	141	17	7	0	0	2	2	17	Y	151	17	17	0	17	8	0	17
707	015	14	Grn	Y	131	141	10	10	0	14	0	0	14	Y	131	141	10	10	0	14	0	0	14	Y	151	14	14	0	0	14	0	14
707	016	7	Grn	Y	0	141	7	7	0	0	0	0	7	Y	0	141	7	7	0	0	0	0	7	N	0	0	0	0	0	0	0	0
707	019	22	Grn	Y	999	0	4	0	0	0	4	4	0	Y	999	0	4	0	0	0	4	4	0	Y	999	4	0	0	0	4	4	0
707	028	16	Grn	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
707	032	18	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
707	036	16	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	16	16	0	0	8	8	16
707	040	10	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
707	044	33	Grn	Y	141	0	33	33	0	33	0	0	33	Y	141	0	33	33	0	33	0	0	33	Y	151	33	33	0	0	0	0	33
707	046	8	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	0	8	0	0	8	0	8
707	047	10	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	10	10	0	0	5	5	10
707	048	16	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	16	16	0	0	8	8	16
707	050	18	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	18	18	0	0	10	0	18

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
707	051	3	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	3	3	0	0	0	0	3
707	052	6	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
707	053	8	Grn	Y	131	141	8	8	0	0	8	4	8	Y	131	141	8	8	0	0	8	4	8	Y	151	8	8	0	0	8	0	8
707	055	4	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
707	056	12	Grn	Y	131	141	12	12	0	12	0	0	12	Y	131	141	12	12	0	12	0	0	12	N	0	0	0	0	0	0	0	0
707	057	5	Grn	Y	131	141	5	5	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
708	008	20	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	20	20	0	0	10	0	20
708	010	15	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	15	15	0	0	5	5	15
708	023	30	Grn	Y	999	0	0	0	0	0	0	0	30	Y	999	0	0	0	0	0	0	0	30	Y	999	0	0	0	0	0	0	30
708	027	22	Grn	Y	131	141	22	22	0	22	2	2	22	Y	131	141	22	22	0	22	2	2	22	Y	151	0	22	0	0	0	0	22
708	033	17	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	0	17	0	0	8	0	17
708	037	15	Grn	Y	131	141	15	15	0	15	2	2	15	Y	131	141	15	15	0	15	2	2	15	Y	151	0	15	0	0	15	0	15
708	038	20	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	20	20	0	0	20	0	20
708	041	8	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	8	8	0	0	4	4	8
708	042	10	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	10	10	0	0	5	5	10
708	043	5	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	0	5	0	0	3	0	5
709	003	17	Grn	Y	131	141	17	17	0	17	2	2	17	Y	131	141	17	17	0	17	2	2	17	Y	151	17	17	0	17	0	0	17
709	010	28	Grn	Y	999	0	0	0	0	0	0	0	28	Y	999	0	0	0	0	0	0	0	28	Y	999	0	0	0	0	0	0	28
709	011	49	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	49	49	0	0	24	0	49
709	015	17	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	17	0	0	0	17	8	17
709	018	12	Grn	Y	131	141	12	12	0	12	3	3	12	Y	131	141	12	12	0	12	3	3	12	N	0	0	0	0	0	0	0	0
709	026	17	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	17	17	0	0	17	8	17
709	030	9	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	0	9	0	0	4	4	9
709	032	21	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	21	21	0	0	21	10	21
709	037	13	Grn	Y	122	132	13	13	0	13	2	2	13	Y	122	132	13	13	0	13	2	2	13	Y	151	13	13	0	13	6	0	13
709	038	20	Grn	Y	0	141	20	20	0	20	2	2	20	Y	0	141	20	20	0	20	2	2	20	Y	151	20	20	0	0	0	0	20
709	039	2	Grn	Y	0	141	2	2	0	2	1	1	2	N	0	0	0	0	0	0	0	0	0	Y	151	0	2	0	0	0	0	2

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
709	040	3	Grn	Y	131	141	3	3	0	0	3	0	3	N	0	0	0	0	0	0	0	0	0	Y	151	3	3	0	3	0	0	3
709	041	8	Grn	Y	131	141	8	8	0	8	2	2	8	Y	131	141	8	8	0	8	2	2	8	Y	151	0	8	0	0	8	0	8
709	042	10	Grn	Y	131	141	10	10	0	10	7	7	10	Y	131	141	10	10	0	10	7	7	10	Y	151	10	10	0	0	10	0	10
709	043	5	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	5	5	0	0	3	3	5
709	044	4	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	4	4	0	0	4	0	4
709	045	9	Grn	Y	131	141	9	9	0	9	3	3	9	Y	131	141	9	9	0	9	3	3	9	Y	151	9	9	0	0	9	0	9
709	047	9	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	9	9	0	0	9	0	9
710	001	8	Cat	Y	131	141	8	8	0	8	2	2	8	Y	131	141	8	8	0	8	2	2	8	Y	231	8	8	0	8	2	2	8
710	011	29	Grn	Y	999	0	29	29	0	29	29	29	29	Y	999	0	29	29	0	29	29	29	29	Y	999	29	29	0	29	29	29	29
710	016	16	Grn	Y	999	0	0	0	0	0	0	0	16	Y	999	0	0	0	0	0	0	0	16	Y	999	0	0	0	0	0	0	16
710	020	13	Grn	Y	999	0	0	0	0	0	0	0	13	Y	999	0	0	0	0	0	0	0	13	Y	999	0	0	0	0	0	0	13
710	023	16	Grn	Y	999	0	0	0	0	0	0	0	16	Y	999	0	0	0	0	0	0	0	16	Y	999	0	0	0	0	0	0	16
711	001	45	Grn	Y	999	0	0	0	0	0	0	0	45	Y	999	0	0	0	0	0	0	0	45	Y	999	0	0	0	0	0	0	45
711	006	17	Grn	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	17
711	035	35	Grn	Y	131	141	35	35	0	0	10	10	35	Y	131	141	35	35	0	0	10	10	35	Y	151	0	35	0	0	0	0	35
711	036	15	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	0	15	0	0	0	0	15
711	039	19	Grn	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	19
711	048	7	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
711	050	6	Grn	Y	131	141	6	0	0	6	0	0	6	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
711	051	11	Grn	Y	131	141	11	0	0	0	0	0	11	N	0	0	0	0	0	0	0	0	0	Y	151	11	11	0	0	11	5	11
711	052	19	Grn	Y	131	141	19	19	0	0	0	0	19	Y	131	141	19	19	0	0	0	0	19	Y	151	19	19	0	0	19	0	19
711	053	11	Grn	Y	131	141	11	11	0	0	1	1	11	Y	131	141	11	11	0	0	1	1	11	Y	151	11	11	0	11	5	5	11
711	054	6	Cat	Y	141	0	6	6	0	6	1	1	6	Y	141	0	6	6	0	6	1	1	6	Y	231	0	0	0	0	0	0	0
711	055	1	Cat	Y	141	0	1	1	0	1	1	1	1	Y	141	0	1	1	0	1	1	1	1	Y	231	0	0	0	0	0	0	0
711	056	6	Grn	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
712	003	4	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	006	10	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
712	007	15	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	008	5	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	013	4	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	014	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	015	20	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	016	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	018	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	019	2	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	021	10	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	023	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	025	3	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	026	4	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
712	029	20	Cat	Y	131	141	20	20	0	20	6	6	20	Y	131	141	20	20	0	20	6	6	20	Y	231	20	20	0	20	6	6	20
712	030	3	Cat	Y	141	0	3	3	0	3	1	1	3	Y	141	0	3	3	0	3	1	1	3	Y	231	3	3	0	3	1	1	3
712	031	7	Cat	Y	131	141	7	7	0	7	4	4	7	Y	131	141	7	7	0	7	4	4	7	Y	231	7	7	0	7	4	4	7
712	032	6	Cat	Y	131	141	6	6	0	0	0	0	6	Y	131	141	6	6	0	0	0	0	6	Y	231	6	6	0	0	0	0	6
712	033	2	Cat	Y	114	0	2	2	0	2	1	1	2	Y	114	0	2	2	0	2	1	1	2	Y	231	2	2	0	2	1	1	2
712	034	7	Cat	Y	131	141	7	7	0	7	5	5	7	Y	131	141	7	7	0	7	5	5	7	Y	231	7	7	0	7	5	5	7
713	004	44	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
713	031	17	Grn	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	17
713	037	2	Grn	Y	999	0	0	0	0	0	0	0	2	Y	999	0	0	0	0	0	0	0	2	Y	999	0	0	0	0	0	0	2
713	041	14	Grn	Y	999	0	0	0	0	0	0	0	14	Y	999	0	0	0	0	0	0	0	14	Y	999	0	0	0	0	0	0	14
846	096	5	Grn	Y	131	141	5	5	0	5	2	2	5	Y	131	141	5	5	0	5	2	2	5	N	0	0	0	0	0	0	0	0
847	018	8	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	8	8	0	0	4	0	8
847	032	8	Sal	Y	131	141	8	8	0	8	2	2	8	Y	131	141	8	8	0	8	2	2	8	Y	151	8	8	0	0	8	0	8
847	040	8	Grn	Y	999	0	0	0	0	0	0	0	8	Y	999	0	0	0	0	0	0	0	8	Y	999	0	0	0	0	0	0	8
848	025	14	Grn	Y	131	141	14	14	0	0	14	0	14	Y	131	141	14	14	0	0	14	0	14	Y	151	14	14	0	0	0	0	14

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
849	001	13	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
850	032	16	Grn	Y	999	0	0	0	0	0	0	0	16	Y	999	0	0	0	0	0	0	0	16	Y	999	0	0	0	0	0	0	16
850	035	19	Grn	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	19
850	040	9	Grn	Y	151	0	9	9	0	0	0	0	9	Y	151	0	9	9	0	0	0	0	9	Y	151	9	9	0	0	4	0	9
850	043	11	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	11	11	0	0	0	0	11
850	045	4	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
850	049	24	Cat	Y	141	0	0	0	0	24	8	8	24	Y	141	0	0	0	0	24	8	8	24	Y	231	0	0	0	24	8	8	24
850	052	2	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	2	2	0	0	1	1	2
850	058	5	Cat	Y	131	141	5	5	0	5	2	2	5	Y	131	141	5	5	0	5	2	2	5	Y	231	5	5	0	5	2	2	5
850	059	19	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	0	19	0	0	19	0	19
850	060	6	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
850	061	17	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	17	17	0	0	8	8	17
850	072	8	Grn	Y	151	0	8	8	0	0	0	0	8	Y	151	0	8	8	0	0	0	0	8	Y	151	8	8	0	0	0	0	8
850	079	9	Grn	Y	151	0	9	9	0	0	0	0	9	Y	151	0	9	9	0	0	0	0	9	Y	151	9	9	0	0	0	0	9
850	080	3	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
850	082	3	Cat	Y	114	0	3	0	0	3	1	1	3	Y	114	0	3	0	0	3	1	1	3	Y	231	3	0	0	3	1	1	3
850	083	3	Cat	Y	114	0	3	0	0	3	1	1	3	Y	114	0	3	0	0	3	1	1	3	Y	231	3	0	0	3	1	1	3
850	084	4	Cat	Y	231	0	3	0	0	0	3	1	4	Y	231	0	3	0	0	0	3	1	4	Y	231	3	0	0	0	3	1	4
850	085	3	Cat	Y	131	141	3	3	0	0	1	1	3	Y	131	141	3	3	0	0	1	1	3	Y	231	3	3	0	0	1	1	3
850	086	6	Cat	Y	114	0	6	6	0	6	2	2	6	Y	114	0	6	6	0	6	2	2	6	Y	231	6	6	0	6	2	2	6
850	087	4	Cat	Y	114	0	4	4	0	4	2	2	4	Y	114	0	4	4	0	4	2	2	4	Y	231	4	4	0	4	2	2	4
858	004	10	Sal	Y	231	0	0	0	0	0	0	0	10	Y	231	0	0	0	0	0	0	0	10	Y	231	0	0	0	0	0	0	10
858	010	1	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
858	014	2	Grn	Y	131	141	2	2	2	2	1	1	2	Y	131	141	2	2	2	2	1	1	2	Y	151	2	2	0	0	0	0	2
858	017	12	Cat	Y	131	141	12	12	0	12	2	2	12	Y	131	141	12	12	0	12	2	2	12	Y	231	12	12	0	12	2	2	12
858	019	13	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
858	027	20	Cat	Y	131	141	20	10	0	0	4	4	20	Y	131	141	20	10	0	0	4	4	20	Y	231	20	10	0	0	4	4	20

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
858	028	29	Cat	Y	131	141	29	29	0	29	10	10	29	Y	131	141	29	29	0	29	10	10	29	Y	151	29	29	0	0	10	10	129
858	029	11	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
858	033	7	Grn	Y	131	141	7	7	7	0	2	2	7	Y	131	141	7	7	7	0	2	2	7	N	0	0	0	0	0	0	0	0
858	038	8	Grn	Y	131	141	8	8	0	8	2	2	8	Y	131	141	8	8	0	0	2	2	8	Y	151	8	8	0	0	0	0	8
858	040	20	Grn	Y	151	0	20	20	0	0	0	0	20	Y	151	0	20	20	0	0	0	0	20	Y	151	20	20	0	0	10	0	20
859	001	14	Grn	Y	999	0	0	0	0	0	0	0	14	Y	999	0	0	0	0	0	0	0	14	Y	999	0	0	0	0	0	0	14
859	008	12	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
859	013	22	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
859	017	7	Grn	Y	131	141	7	7	0	0	1	1	7	Y	131	141	7	7	0	0	1	1	7	Y	151	7	0	0	0	3	0	7
859	033	27	Cat	Y	131	141	27	0	0	27	8	8	27	Y	131	141	27	0	0	27	8	8	27	Y	231	0	0	0	27	2	2	27
859	042	4	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
859	056	4	Cat	Y	114	0	4	4	0	4	4	4	4	Y	114	0	4	4	0	4	4	4	4	Y	231	4	4	0	4	4	4	4
859	057	10	Sal	Y	131	141	10	5	0	0	1	1	10	Y	131	141	10	5	0	0	1	1	10	Y	231	2	0	0	0	2	2	2
859	058	5	Cat	Y	114	0	5	0	0	0	5	5	5	Y	114	0	5	0	0	0	5	5	5	Y	231	5	0	0	0	5	5	5
860	002	12	Grn	Y	999	0	0	0	0	0	0	0	12	Y	999	0	0	0	0	0	0	0	12	Y	999	0	0	0	0	0	0	12
860	009	10	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
860	018	9	Grn	Y	131	141	9	9	0	9	2	2	9	Y	131	141	9	9	0	9	2	2	9	Y	231	0	0	0	0	0	0	0
860	023	8	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	8	8	0	0	4	4	8
860	027	20	Cat	Y	131	141	20	20	0	20	8	8	20	Y	131	141	20	20	0	20	8	8	20	Y	231	20	20	0	20	8	8	20
860	029	8	Grn	Y	999	0	0	0	0	0	0	0	8	Y	999	0	0	0	0	0	0	0	8	Y	999	0	0	0	0	0	0	8
860	031	10	Cat	Y	131	141	10	10	0	10	5	5	10	Y	131	141	10	10	0	10	5	5	10	Y	231	10	10	0	10	5	5	10
860	034	11	Cat	Y	131	141	11	11	0	11	3	3	11	Y	131	141	11	11	0	11	3	3	11	Y	231	11	11	0	11	3	3	11
860	036	26	Grn	Y	0	141	26	26	0	26	3	3	26	Y	0	141	26	26	0	26	3	3	26	N	0	0	0	0	0	0	0	0
860	038	9	Cat	Y	131	141	9	9	0	9	2	2	9	Y	131	141	9	9	0	9	2	2	9	Y	231	9	9	0	9	2	2	9
861	010	26	Cat	Y	131	141	26	26	0	26	7	7	26	Y	131	141	26	26	0	26	7	7	26	Y	231	26	26	0	26	7	7	26
861	012	17	Grn	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	17
861	029	26	Grn	Y	999	0	0	0	0	0	0	0	26	Y	999	0	0	0	0	0	0	0	26	Y	999	0	0	0	0	0	0	26

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
861	035	9	Grn	Y	999	0	0	0	0	0	0	0	9	Y	999	0	0	0	0	0	0	0	9	Y	999	0	0	0	0	0	0	9
861	041	9	Cat	Y	0	141	9	9	0	9	0	0	9	Y	0	141	9	9	0	9	0	0	9	Y	231	9	9	0	0	9	9	9
861	043	20	Grn	Y	999	0	0	0	0	0	0	0	20	Y	999	0	0	0	0	0	0	0	20	Y	999	0	0	0	0	0	0	20
861	044	30	Cat	Y	131	141	30	30	0	30	2	2	30	Y	131	141	30	30	0	30	2	2	30	Y	231	30	30	0	0	5	2	30
861	045	22	Cat	Y	131	141	22	22	0	22	4	4	22	Y	131	141	22	22	0	22	4	4	22	Y	231	22	22	0	22	4	4	22
861	046	20	Cat	Y	131	141	20	20	0	20	2	2	20	Y	131	141	20	20	0	20	2	2	20	Y	151	20	20	0	0	10	10	20
861	047	7	Cat	Y	131	141	7	7	0	7	1	1	7	Y	131	141	7	7	0	7	1	1	7	Y	231	7	7	0	0	1	1	7
862	005	12	Grn	Y	999	0	0	0	0	0	0	0	12	Y	999	0	0	0	0	0	0	0	12	Y	999	0	0	0	0	0	0	12
862	018	40	Cat	Y	141	0	0	40	0	40	5	5	40	Y	141	0	0	40	0	40	5	5	40	Y	999	0	40	0	40	5	5	40
862	021	10	Grn	Y	0	141	10	10	0	0	2	2	10	Y	0	141	10	10	0	0	2	2	10	Y	151	0	10	0	0	5	0	10
863	003	10	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	005	8	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	006	18	Grn	Y	999	0	0	0	0	0	0	0	18	Y	999	0	0	0	0	0	0	0	18	Y	999	0	0	0	0	0	0	18
863	008	8	Cat	Y	0	141	8	8	0	8	1	1	8	Y	0	141	8	8	0	8	1	1	8	Y	999	8	8	0	0	1	1	8
863	009	20	Cat	Y	141	0	0	20	0	20	5	5	20	Y	141	0	0	20	0	20	5	5	20	N	0	0	0	0	0	0	0	0
863	011	4	Cat	Y	131	141	4	4	0	4	4	4	4	Y	131	141	4	4	0	4	4	4	4	Y	231	4	4	0	4	4	4	4
863	015	10	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	026	3	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	029	11	Cat	Y	141	0	0	11	0	0	1	0	11	Y	141	0	0	11	0	0	1	0	11	Y	151	11	11	0	0	11	0	11
863	034	13	Cat	Y	131	141	13	13	0	13	7	7	13	Y	131	141	13	13	0	13	7	7	13	Y	231	13	13	0	13	7	7	13
863	041	5	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	5	5	0	0	0	0	5
863	048	2	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	049	8	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	050	6	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	051	20	Cat	Y	0	141	20	20	0	20	5	5	20	Y	0	141	20	20	0	20	5	5	20	Y	231	20	20	0	20	5	5	20
863	053	2	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	056	25	Cat	Y	131	141	25	25	0	25	20	20	25	Y	131	141	25	25	0	25	20	20	25	Y	231	25	25	0	25	20	20	25

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
863	063	9	Sal	Y	141	0	0	9	0	0	0	0	9	Y	141	0	0	9	0	0	0	0	9	Y	151	9	9	0	0	9	0	9
863	064	3	Sal	Y	231	0	1	0	0	0	1	1	0	Y	231	0	1	0	0	0	1	1	0	Y	231	1	0	0	0	1	1	0
863	078	9	Grn	Y	999	0	0	0	0	0	0	0	9	Y	999	0	0	0	0	0	0	0	9	Y	999	0	0	0	0	0	0	9
863	080	10	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	151	10	10	0	0	0	0	10
863	081	3	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	084	3	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
863	089	6	Cat	Y	131	141	6	6	0	6	6	6	6	Y	131	141	6	6	0	6	6	6	6	Y	231	6	6	0	6	6	6	6
875	008	14	Cat	Y	0	141	14	14	0	14	2	2	14	Y	0	141	14	14	0	14	2	2	14	Y	151	14	14	0	0	7	7	14
875	009	25	Grn	Y	131	141	25	25	0	0	3	3	25	Y	131	141	25	25	0	0	3	3	25	Y	151	0	25	0	0	25	0	25
876	008	6	Cat	Y	0	141	6	6	0	6	6	6	6	Y	0	141	6	6	0	6	6	6	6	Y	151	6	6	0	0	0	0	6
876	009	17	Grn	Y	151	0	0	17	0	0	0	0	17	Y	151	0	0	17	0	0	0	0	17	Y	151	0	17	0	0	0	0	17
876	013	11	Grn	Y	999	0	0	0	0	0	0	0	11	Y	999	0	0	0	0	0	0	0	11	Y	999	0	0	0	0	0	0	11
876	014	3	Grn	Y	999	0	0	0	0	0	0	0	3	Y	999	0	0	0	0	0	0	0	3	Y	999	0	0	0	0	0	0	3
876	015	20	Grn	Y	999	0	0	0	0	0	0	0	20	Y	999	0	0	0	0	0	0	0	20	Y	999	0	0	0	0	0	0	20
876	016	14	Grn	Y	999	0	0	0	0	0	0	0	14	Y	999	0	0	0	0	0	0	0	14	Y	999	0	0	0	0	0	0	14
876	034	22	Grn	Y	999	0	0	0	0	0	0	0	22	Y	999	0	0	0	0	0	0	0	22	Y	999	0	0	0	0	0	0	22
877	002	22	Grn	Y	131	141	22	22	0	22	2	2	22	Y	131	141	22	22	0	22	2	2	22	Y	151	0	22	0	0	11	0	22
877	006	17	Grn	Y	131	141	17	17	0	17	2	2	17	Y	131	141	17	17	0	17	2	2	17	Y	151	0	17	0	0	17	8	17
877	007	29	Grn	Y	999	0	0	0	0	0	0	0	29	Y	999	0	0	0	0	0	0	0	29	Y	999	0	0	0	0	0	0	29
877	011	17	Grn	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	0	17	Y	999	0	0	0	0	0	0	17
877	015	42	Grn	Y	999	0	0	0	0	0	0	0	42	Y	999	0	0	0	0	0	0	0	42	Y	999	0	0	0	0	0	0	42
877	016	17	Grn	Y	131	141	17	17	0	17	3	3	17	Y	131	141	17	17	0	17	3	3	17	Y	151	17	17	0	0	17	0	17
877	052	19	Grn	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	0	19	Y	999	0	0	0	0	0	0	19
877	053	13	Grn	Y	999	0	0	0	0	0	0	0	13	Y	999	0	0	0	0	0	0	0	13	Y	999	0	0	0	0	0	0	13
877	073	24	Grn	Y	131	141	24	24	0	24	2	2	24	Y	131	141	24	24	0	24	2	2	24	N	0	0	0	0	0	0	0	0
879	007	13	Grn	Y	131	141	13	13	0	13	2	2	13	Y	131	141	13	13	0	13	2	2	13	Y	151	13	13	0	0	13	0	13
879	021	19	Grn	Y	131	141	19	19	19	0	2	2	19	N	0	0	0	0	0	0	0	0	0	Y	151	19	19	0	0	19	9	19

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
879	045	7	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	002	7	Grn	Y	999	0	0	0	0	0	0	0	7	Y	999	0	0	0	0	0	0	0	7	Y	999	0	0	0	0	0	0	7
891	003	9	Grn	Y	999	0	0	0	0	0	0	0	9	Y	999	0	0	0	0	0	0	0	9	Y	999	0	0	0	0	0	0	9
891	005	8	Grn	Y	131	141	8	8	0	8	0	0	8	Y	131	141	8	8	0	8	0	0	8	N	0	0	0	0	0	0	0	0
891	006	9	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	007	20	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	011	23	Grn	Y	141	0	23	23	0	23	2	2	23	Y	141	0	23	23	0	0	2	2	23	Y	151	23	23	0	0	23	0	23
891	012	27	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	015	9	Grn	Y	131	141	9	9	0	0	0	0	9	Y	131	141	9	9	0	0	0	0	9	N	0	0	0	0	0	0	0	0
891	018	38	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	024	33	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	027	11	Grn	Y	0	141	11	11	0	0	11	0	11	Y	0	141	11	11	0	0	11	0	11	Y	151	11	11	0	0	11	0	11
891	031	20	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	034	26	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	035	24	Grn	Y	131	141	24	24	0	0	2	2	24	Y	131	141	24	24	0	0	2	2	24	N	0	0	0	0	0	0	0	0
891	037	31	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	047	17	Grn	Y	999	0	14	14	0	0	14	2	17	Y	999	0	14	14	0	0	14	2	17	Y	999	14	14	0	0	14	2	14
891	050	18	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	054	14	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	055	12	Grn	Y	999	0	9	9	0	0	9	9	12	Y	999	0	9	9	0	0	9	9	12	Y	999	9	9	0	0	9	4	9
891	058	3	Grn	Y	999	0	2	0	0	0	2	2	3	Y	999	0	2	0	0	0	2	2	3	Y	999	2	0	0	0	2	2	3
891	063	9	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	064	4	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	065	16	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	067	4	Cat	Y	131	141	4	0	0	4	0	0	4	Y	131	141	4	0	0	4	0	0	4	Y	231	4	0	0	4	0	0	4
891	069	23	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	070	7	Grn	Y	131	141	7	0	0	0	1	1	7	Y	131	141	7	0	0	0	1	1	7	Y	151	7	7	0	0	7	0	7

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Compartment	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
891	071	7	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	072	5	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
892	026	12	Grn	Y	0	132	12	12	0	0	0	0	12	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
892	029	8	Grn	Y	131	141	8	8	0	0	6	2	8	Y	131	141	8	8	0	0	2	2	8	Y	151	8	8	0	0	8	0	8
892	031	20	Grn	Y	999	0	7	0	0	0	7	7	20	Y	999	0	7	0	0	0	7	7	20	Y	999	7	0	0	0	7	7	20
892	034	10	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
892	036	8	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
892	038	7	Grn	Y	131	141	7	7	0	7	2	2	7	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
892	043	11	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
892	045	20	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
892	047	9	Cat	Y	131	141	9	0	0	0	2	2	9	Y	232	0	9	0	0	0	2	2	9	Y	231	0	0	0	0	0	0	0
892	052	19	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
892	054	15	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
892	055	4	Grn	Y	131	141	4	0	0	4	2	2	4	Y	131	141	4	0	0	4	2	2	4	Y	231	0	0	0	0	0	0	0
892	060	14	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
892	064	11	Sal	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
893	054	4	Sal	Y	131	141	4	4	4	4	0	0	4	Y	131	141	4	4	4	4	0	0	4	Y	231	0	0	0	0	0	0	0
904	005	24	Grn	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
904	006	10	Sal	Y	232	0	0	0	0	0	0	0	0	Y	232	0	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
904	014	9	Grn	Y	0	141	9	9	0	9	3	3	9	Y	0	141	9	9	0	9	3	3	9	Y	151	0	9	0	0	9	9	9

Proposed Harvest Treatments for Blowdown Areas

In response to the July 2003 windthrow event and other older past events, the ANF is proposing a variety of treatments. Table 13 shows a summary of these treatments.

Table 13: Proposed Treatment in Response to Windthrow

Treatment Type	Alt. 2	Alt. 3	Alt. 4
Previous Blowdown*			
Responsive Clearcut	34	34	0
Salvage Windthrow	345	345	345
Total	**379**	**379**	**345**
2003 Blowdown			
Shelterwood Seed Cut	431	431	0
Shelterwood Removal	96	96	0
Delayed Shelterwood Removal	37	37	0
Salvage Windthrow	195	195	353
Responsive Clearcut	47	47	0
Salvage Thinning	13	13	325
Selection	0	0	73
Total	**819**	**819**	**751**
Grand Total	**1198**	**1198**	**1096**

* Total Stand Acres are shown. Harvesting of windthrown trees may occur on a small portion of the stand.

SECTION 4 – GENERAL EFFECTS OF SILVICULTURAL TREATMENTS

The scientific basis for the application of silvicultural treatments on the Allegheny National Forest (ANF) rests largely on the research conducted on the Allegheny Plateau and on the ANF by the Northeastern Forest Experiment Station as documented in Prescribing Silvicultural Treatments in Hardwood Stands of the Alleghenies (Revised) (USDA Forest Service, Northeastern Forest Experiment Station, General Technical Report NE-96, 1992) and Quantitative Silviculture for Hardwood Forests in the Alleghenies (USDA Forest Service, Northeastern Forest Experiment Station, General Technical Report NE-183, 1994). When silvicultural treatments are applied in stands that meet the specified criteria, predictable results or outcomes can be achieved. These predictable results are the basis for the following discussion on the direct and indirect effects of silvicultural treatments on vegetation.

Effects of Harvest/Salvage Harvest

Harvest - Timber harvest activities occur in stands where silvicultural objectives are met through the removal of trees that have commercial value. The quantity and quality of trees to be removed is determined by the silvicultural treatment being applied in a given stand. Harvesting removes the main portion (bole) of the tree from the site. Tops of trees are left on the site, increasing the dead and down material component (small diameter) in the short run and increasing the number of low perches. Since

most of the nutrients in the trees are in the leaves, branches, stump and roots, there will only be minor effects on nutrient cycling and soil fertility. Soil compaction will occur on skid roads and any areas where equipment is used repeatedly. Best management practices will keep this condition to a minimum. Since merchantable dying trees will be removed, there may be fewer snags on harvested sites than in stands that do not receive a harvest. All applicable standards and guidelines regarding snag and dead tree retention ensure that adequate habitat for wildlife species will occur.

Salvage Harvest – Salvage harvest activities occur in stands where silvicultural treatments are applied in response to tree mortality and decline, and for thinnings where at least 50% of the volume to be removed is dead or dying. Salvaging dead and dying trees does not affect live tree species composition because the effect on species composition occurs, whether or not there is a harvest. The selection of a silvicultural treatment is determined largely by the number of dead and dying trees in the stand and the amount of residual healthy trees that would be found following harvest. In salvage harvests, some snags and potential snags are removed, however minimum numbers of snags as required by Forest Plan standards and guidelines are retained.

Responsive Harvest –Harvest activities that respond to a natural catastrophic event occur in stands where silvicultural treatments are applied in response to tree blowdown, mortality, or decline of stands with healthy tree relative densities of 40% or less. The selection of a silvicultural treatment is determined largely by the number of dead and dying trees in the stand and the amount of residual healthy trees that would be found following harvest. In "responsive" harvests following natural catastrophic events, some snags and potential snags are removed; however, minimum numbers of snags as required by Forest Plan (Salvage Harvest) standards and guidelines are retained.

Effects of Even-aged Management

Within individual stands, even-aged management results in the development of stands that are of similar age and size. Tree species that are shade intolerant (black cherry, white ash, red oak, and yellow poplar) or mid-tolerant (red maple, birch, basswood and others) grow well under these conditions. Tree species that are shade tolerant (hemlock, beech, sugar maple and others) are often a component in stands managed as even-aged, however they generally comprise a smaller percentage of stands. Soil drainage, animal damage, and other environmental factors also influence which trees will eventually occupy the site (USDA-FS 1986b, p. 4-21). Site capability, particularly site nutrients, also plays a role in what trees are found. Recent local research conducted across the Northern tier of Pennsylvania and the Southern tier of New York indicates unglaciated upper slope sites and the plateau top are sensitive sites where sugar maple and other high base cation-demanding species (such as white ash and basswood) may be more vulnerable to stress events such as insect defoliation (Horsley et al 1999, pp. 60-62). Landowners and managers should consider management activities that favor species with lower base cation requirements (Horsley et al 1999, p 62; Horsley et al 2000, pp 1365-1367). Recent local research results indicate that black cherry and American beech are two of these species (Horsley et al In Press, p 41; Long et al 1997, pp 1563, 1564, and 1566; Long et al 1999 pp 56 and 57). Their growth and health seems unaffected by lower local base cation availability on many sites.

When selecting tree species to favor on these sites, managers should also consider the potential for tree decline/mortality from insect/disease threats. Recent monitoring data shows that crown dieback, tree damage, and percent dead basal area are similar Forest-wide for black cherry and American beech (Morin et al 2001, pp 20-23). However, the size class of the trees that died is significantly different between the species; most of the beech basal area that died is larger than 20 inches in diameter, whereas most of the black cherry that died is in the 5-10 inch diameter class. The large tree mortality for beech

most likely has resulted from beech bark disease, which tends to kill large trees. On the other hand, the black cherry mortality is in the smaller size classes, as would be expected to occur during self-thinning of a shade-intolerant species during the normal stand development process. (Morin et al 2001, pp 23 & 24) As the beech bark disease killing front progresses across the ANF, we expect the percentage of dead American beech to increase (Morin et al 2001, pp 54-56). American beech will continue to be a component of maturing forests, though its abundance will naturally decrease over time. Management would similarly result in a decreased abundance of American beech in maturing stands.

The killing front of the beech-bark disease complex has reached the northeast portion of the SCPA since about 2001. The entire project area is within the beech bark disease advancing front. Many beech trees have died and many more beech are diseased and will die. However, beech is currently seldom a major species component in individual stands in the project area (see Table 1). Some of the trees that will be infected with the scale disease are already infected at this point in time. Some healthy beech is still found in the area. These trees may be resistant to the beech bark scale disease complex, as described in Burns (1987) and Mielke (1986). The ANF has been working with personnel from USDA Forest Service Forest Health Protection, and research, to retain healthy and potentially resistant beech trees in harvest areas for over a decade in both the advancing and killing fronts of the disease complex. Marking guidelines for retention of scale-free or lightly infested beech, based on Burns' and Mielke's publications, and as described in Appendix D will be applied in all harvest units proposed in any alternatives. There has been a subtle shift in species diversity throughout the project area due to the reduction in representation of sugar maple, ash and beech.

Across larger landscapes, the application of even-aged silviculture creates horizontal diversity due to differences in vegetation age and sizes between stands. An even-aged forested landscape would contain a mosaic of seedling/sapling, poletimber, sawtimber, and old growth stands, scattered across the landscape. (USDA-FS 1986b, p. 4-22) The mix of vegetative conditions found in a balanced even-age landscape provides for more diversity of wildlife habitats than the mix of conditions found across a landscape managed primarily as uneven-aged (DeGraaf and Rudis 1986). Maintaining structural-age class and community composition diversity at the landscape level helps to reduce the risks of serious insect and disease outbreaks (Nyland 1996, p. 466).

Even-aged treatments can be applied in stands where low levels of tree mortality or decline are found (generally referred to as 'green' treatments). Even-aged treatments can also be applied in stands where moderate to severe levels of tree mortality or decline are found (generally referred to as 'salvage' or 'catastrophic' treatments). In either case, the treatment results in the development of a stand composed of trees of similar age and size.

Even-aged Harvest Methods

Shelterwood Systems - A shelterwood system is used in stands where the management objective is to establish tree regeneration. This treatment results in an increase in the seedling component in order to achieve wildlife and/or age class diversity objectives (USDA-FS 1986b, pp. 4-18 to 21; Horsley in Marquis 1994, p. 223).

The shelterwood system is usually a two-step regeneration harvest where approximately one-third of the overstory is removed in the initial or **shelterwood seed cut**. Once adequate tree seedlings develop, the second step, the **shelterwood removal cut**, would occur. The initial harvest opens up the canopy to allow more sunlight to reach the forest floor. Reforestation treatments such as herbicide application, area fencing, or site preparation may be required to enhance conditions for seedling germination and growth.

The additional sunlight and growing space enables new tree seedlings to germinate from seed and/or sprout from the stumps of harvested trees.

"Green" shelterwood harvest involves removing primarily healthy trees, whereas salvage and catastrophic shelterwood harvests may consist almost entirely of dead or dying trees or a combination of healthy and dead/dying trees. To ensure successful tree seedling development, salvage or catastrophic shelterwood areas may require supplemental planting or other reforestation activities since adequate numbers of seed producing trees may not be well distributed across the site.

The increased light conditions created by the shelterwood seed harvest and understory reforestation treatments will result in development of primarily mid-tolerant and intolerant tree seedlings, such as black cherry, white ash, red maple, birch, red oak and tulip poplar. The species that develop on a particular site depend on the seed source present, the impact of selective deer browsing (deer prefer some species more than others), and reforestation and release activities. These treatments would also increase herbaceous vegetation in the understory.

Mitigation measures (listed in Appendix D) help to ensure that species composition or overall diversity and stand structure (including the dead wood component) will not be unacceptably reduced as a result of the proposed treatments.

The objectives of these mitigation measures are to maintain some vegetative structure and species diversity after the shelterwood removal cut is implemented in the next 3-10 years. We have found that the best way to meet this objective in the future stand is to identify trees that provide the desired component before the shelterwood sequence is begun. This allows us to retain the most desirable trees on the site and reduces the risk that some of these trees would be removed during the shelterwood harvest.

The shelterwood removal occurs when the site is adequately stocked with seedlings capable of growing in full sunlight. Residual trees that include snags, den trees, conifer, mast species and uncommon species will be retained following harvest. Removal of the overstory will result in rapid growth and development of tree seedlings, shrubs and herbaceous understory vegetation and would promote the development of primarily intolerant tree species, with lesser amounts of mid-tolerant species.

White-tailed deer cause extensive damage by feeding on Allegheny hardwood and Northern hardwood tree seedlings. Only even-aged methods that provide abundant sunlight enabling seedlings to quickly grow out of the reach of deer are practical. Even then, reforestation practices (such as fencing, fertilization, and site preparation) are often necessary. The choice of silvicultural systems would be wider were it not for the unusually high deer browsing on the ANF. Shelterwood removal cutting provides an appropriate response (USDA-FS 1986a, pp. D-7 to D-9). In one step, it provides abundant sunlight to existing tree seedlings permitting them to rapidly develop.

Overstory Removal - Overstory removal is a regeneration method used to establish even-aged stands whereby all trees except designated residuals are removed in one harvest. It normally is used where adequate tree seedlings are already present on the forest floor (Horsley in Marquis 1994, pp. 219 & 221); there is no need to conduct a shelterwood seed cut to initiate tree seedling development (i.e., one harvest is optimal). Overstory removals on the ANF do not rely heavily on dormant seed in the leaf litter because the area will have tree seedling cover before, during, and immediately following the harvest. (USDA-FS 1986a, pp. D-2, D-7).

White-tailed deer cause extensive damage by feeding on Allegheny hardwood and Northern hardwood

tree seedlings. Only even-aged methods that provide abundant sunlight enabling seedlings to quickly grow out of the reach of deer are practical. Even then, reforestation practices (such as fencing, fertilization, and site preparation) are often necessary. The choice of silvicultural systems would be wider were it not for the unusually high deer browsing on the ANF. It provides an optimal response. (USDA-FS 1986a, pp. D-7 to D-9) In one step, it provides abundant sunlight to existing tree seedlings permitting them to rapidly develop.

Overstory removal is the optimum method for maintaining aspen due to its intolerance for shade and its physiological requirements for suckering. Both seedlings and root suckers are intolerant of shade. Those that fall below the canopy stop growing and die within a few years (USDA-FS 1986a, p. D-6).

Intermediate Thinning and Salvage Thinning - Intermediate thinnings are designed to harvest trees of poor quality, at risk of dying during the next 5 to 10 years, or to reduce stocking in highly stocked stands in order to enhance residual tree survival or to concentrate growth on the best trees. Some healthy appearing trees may be cut to provide additional growing space for trees nearby. The trees that remain following harvest will consist primarily of larger diameter trees with healthy crowns and adequate growing space. Under normal conditions, the average relative density of the residual stand would be 60% to 70%. Normally, no more than one-third of the trees in the stand would be removed in a single harvest entry. (USDA-FS 1986b, p. 4-25 & USDA-FS 1986a, p. D-7; Marquis 1994, pp. 247-252)

Salvage thinning occurs when more than half of the volume harvested consists of dead or high-risk trees that would die within the next 5 to 10 years. Residual stand density could be as low as 40%, depending on the amount of dead/declining trees present.

Typically, the understory vegetation found in stands where thinnings are proposed is dominated by fern, grass, beech and striped maple. Since the establishment of seedling regeneration is not a treatment objective, there are no treatments proposed to eliminate or reduce interfering vegetation.

Implementation of the mitigation measures listed in Appendix D will help to ensure that species composition or overall diversity will not be inappropriately reduced as a result of the proposed treatments.

Two-Aged Harvest - Some vegetative and wildlife goals necessitate the development of modified techniques which blend existing and evolving research findings with modified management approaches. We call these modified management approaches adaptive management. We use adaptive management when sufficient information is already available to help develop these solutions, but some uncertainty exists. Carefully monitoring preliminary results and being flexible in applying subsequent actions can help attain successful management objectives while furthering overall knowledge. (USDA-FS 1998, p. 84).

Two-aged harvest is a modified even-aged harvest treatment. It provides a compromise between even-aged and uneven-aged management in stands dominated by both overstory and seedling species that are moderately shade tolerant (red maple, birch, etc.) or perhaps intolerant. The concept is to maintain two age classes on a particular site, with their ages one-half rotation apart. If the rotation is eighty years, initiate this treatment by applying a standard shelterwood seed cut with supporting mechanical or chemical site preparation. Once adequate seedlings become established, cut back to the final stocking level of the older age class, leaving a relative density of 20 to 30 percent. The older age class will be retained for the entire rotation. The younger age class and individuals from the older group may be thinned later in the rotation. At the end of the rotation, the entire older age class would be harvested and 20 – 25 % of the younger age would be retained to be the new age class (Stout in Marquis 1994, p. 360).

The required number of snags and den trees per acre are left on the site, but in addition, a number of well-formed sawtimber sized trees are left. These "leave trees" provide added vertical and horizontal diversity to the site. They also serve as a seed source for the second age class, if it is not already present. They may cast sufficient shade to substantially affect long-term development and quality of shade intolerant species

It should be noted that a two-aged harvest may have some silvicultural drawbacks. They have not been used extensively locally. Seedlings grow more slowly in partial sunlight and are thus exposed to deer browsing for a longer time. Stem quality may also be substantially lower. There is a risk that the trees in the older age class may not survive through the second rotation. The risk of regeneration failure is greater, and successful regeneration takes longer to achieve. Partial sunlight and deer browsing favor tree species more tolerant to shade and less desirable to deer as food, such as beech, striped maple and black birch. Consequently, two-aged harvests are used as an adaptive management technique. To determine the effectiveness of two-aged harvests, all two-aged units will be monitored in an administrative study.

Implementation of the mitigation measures listed in Appendix D will help to ensure success based on what we know now about this management practice.

Effects of Uneven-aged Management

Forest Plan analysis for the ANF took a very detailed look at the option of implementing uneven-aged management on a large scale on the ANF. The assignment of management areas, by their basic nature, sets guidelines on the breadth of consideration individual projects within those management areas should give to uneven-aged management. The results of implementing the Forest Plan during the last 15 years also provide an important context which helps frame the range of reasonable options for considering and implementing uneven-aged management locally. Has uneven-aged management been successful? Actually, reforestation success with uneven-aged management has been very marginal, whereas results with even-aged management have been quite good (USDA-FS 1998, pp. 18 and 86, USDA-FS 2002, p. 21-23). Large scale implementation is not consistent with the objectives of certain management areas established by the Forest Plan, and it does not seem prudent until more is known about how to develop adequate tree seedlings of appropriate species. Additional details regarding uneven-aged management options can be found in Appendix E.

Within individual stands, uneven-aged management results in the development of trees that are of varying age and size class. Uneven-aged management favors tree species that are shade tolerant (hemlock, sugar maple and American beech). Soil drainage, site nutrient capability, animal damage, and other environmental factors also influence which trees would eventually occupy the site.

Across larger landscapes, the application of uneven-aged silvicultural systems results in limited horizontal diversity (i.e., if group selections are applied, minor horizontal diversity would develop over time). An uneven-aged forested landscape would result in less diversity of wildlife habitats than the mix of conditions found across a landscape managed primarily as even-aged (DeGraaf 1987). Forests managed under uneven-aged silvicultural systems lack the vegetative and structural diversity of forests managed under even-aged systems (Stout in Marquis 1994, p. 331).

Uneven-aged treatments can be applied in stands where low levels of tree mortality or decline are found (generally referred to as ‘green’ treatments). Uneven-aged treatments can also be applied in stands where moderate to severe levels of tree morality or decline are found (generally referred to as ‘salvage’ or ‘catastrophic' treatments). In either case, the treatment results in the development of a stand composed

of trees of varying age and size.

Forest Plan Criteria for Consideration of Uneven-aged Management

Forest Plan direction established even-aged management as the featured silvicultural system in MA 3.0. MA 3.0 emphasizes production of high value, high quality, Allegheny hardwoods and oaks (USDA-FS 1986a, Ch. 4, pp. 11, 12, 82, and 83). In MA 3.0 (USDA-FS 1986a, p.4-87), uneven-aged management may be an option on inclusions such as riparian areas, wet soils, or visually sensitive areas. Its use will be based on individual site analysis. The Forest Plan also stipulates that uneven-aged management should be used on soil group III to avoid regeneration failures (USDA-FS 1986a, p.4-23). A three-step shelterwood sequence is also an option were site limitations exist, when it is desirable to establish shade-intolerant seedlings (Marquis 1994, p.225)

In the SCPA, the proposed use of uneven-aged management was based on individual site characteristics, including adequate shade-tolerant overstory composition and/or the presence of adequate numbers of shade tolerant tree seedlings on the ground.

Uneven-aged Harvest Methods

Individual Tree Selection - Individual tree selection is designed to remove individual trees, creating very small gaps in the canopy and favoring establishment of tree seedlings tolerant of shade. Planned openings created generally do not exceed 0.1 acre (USDA-FS 1986a, p. D-2). When a series of such cuts are each successful, they promote development of a stand with trees of many different age classes, i.e. an uneven-aged stand (USDA-FS 1986b, p. 4-26). Each selection cut, generally 15 to 20 years apart, is designed to create small temporary gaps in the forest canopy. This increases the amount of sunlight that reaches the forest floor, causing seeds to germinate and stumps to sprout. Individual tree selection cuts perpetuate shade tolerant tree species, such as hemlock, sugar maple, or American beech that generally are of lower commercial value (USDA-FS 1986b, p. 4-29). Green harvests in this category generally result in an average relative density of 60% following the harvest (Stout in Marquis 1994, p. 337), whereas in a “responsive” harvest (conducted in response to a natural catastrophic event) it could drop lower than 40%.

The long-term effect of individual tree selection is to create relatively little horizontal diversity between stands across the landscape. However, if deer browsing is controlled, vertical vegetative diversity within each stand is high. Deer browsing and interfering plants can have a dramatic effect on the success of uneven-aged silviculture. (USDA-FS 1986b, pp. 4-27 to 29) Appropriate reforestation practices must be prescribed to ensure reforestation success at every entry (i.e., every 15 to 20 years).

In fact, "there is no assurance that uneven-aged management can be used successfully in any region where deer populations are high. The success of selection cutting depends on the establishment of a new age and size class at each cut, and eventual growth of these stems into the main crown canopy. The long period of slow growth in the understory, however, greatly increases the length of time that seedlings are subjected to deer browsing, compared to those under even-aged management, and the small openings created by group selection are very attractive to deer. In addition, deer seem to browse preferentially on those species that would otherwise be favored by the selection system. There are many locations where reproduction simply cannot be obtained. Unfortunately, regeneration failures are not nearly so apparent under selection cutting, and it is possible to apply three or four selection cuts before it becomes obvious that you are running out of trees. So special care should be taken to monitor the progress of age class replacement if uneven-aged management is used in areas of moderate to heavy deer population. " (Stout

in Marquis 1994, p. 334)

"Interfering plants further complicate this story. The selection system depends on successfully bringing through an age-class from each entry to the stand. When we treat interfering understories in an even-aged stand, we eliminate existing advanced reproduction along with interfering plants. Then we count on the post cutting conditions to favor germination of numerous seedlings that can outgrow the returning fern, grass, or weed species in the full light after even-aged overstory removal. We cannot afford to eliminate the existing small trees from the last cutting cycle, nor can we expect fast growth from new seedlings in the perpetual partial shade of the selection system. So, interfering plants need to be assessed carefully in selecting stands to be managed under this system." (Stout in Marquis 1994, p. 334)

Uneven-aged management does not create large blocks of early seedling-sapling stages. Horizontal diversity may develop within stands, however the diversity between stands (as would develop with the application of even-age management) does not occur.

Individual tree selection will involve removal of more common species such as red maple, black cherry, and birch, as well as salvage removal of dead and dying sugar maple, beech and ash. Most forested stands on the ANF are presently even-aged. In such situations, "an adjustment period is required to establish a stable uneven-aged condition with the desired distribution of ages and tolerant species; this adjustment period may require two or three cuts spanning 30 to 50 (or more) years. So, most uneven-aged management practiced during the foreseeable future will involve stands in this transition from an even-age condition to an uneven-age condition. A fully stabilized uneven-aged stand will not be obtained until most of the intolerants have been replaced by new age classes of tolerant stems in all size classes." (Stout in Marquis 1994, p. 334)

Reforestation Activity in Stands Prescribed for Uneven-aged Management

Reforestation activity is just as critical with individual tree selection as with even-aged management (USDA-FS 1986b, p. 4-38).

Beech is an acceptable species under this silvicultural system. While it is an acceptable species, with the looming threat of beech bark disease, serious questions exist regarding the potential for substantial amounts of it to grow above the small sawtimber stage into larger trees. Recent experience on the ANF indicates tree seedling development on sites managed uneven-aged is very marginal (USDA-FS 1998, p. 17 & 86 and USDA-FS, p.21-23).

Effects of Reforestation and Vegetation Restoration Treatment

The development of tree seedlings, herbaceous vegetation and shrubs is an integral component of a healthy, sustainable forest ecosystem. When overstory trees die, young tree seedlings must germinate and grow to replace them, thus helping to ensure a well-forested condition is maintained on the site. In both even-aged and uneven-aged management systems, the use of reforestation treatments to help stimulate the germination and growth in seedlings is commonplace. While there are several reasons why seedling development is difficult to achieve on the ANF, local research has provided management techniques that can be used for successful stand regeneration (Horsley in Marquis 1994, pp. 207-215; USDA-FS 1995, p. 26). Success rates on the ANF have been much higher with even-aged management; whereas much is yet to be learned about uneven-aged management on the ANF (USDA-FS 2002, p. 23).

The reforestation treatments discussed here, unless otherwise noted, can be used in either even-aged or uneven-aged systems. In either case the purpose of the treatments is to promote the development of

desired tree seedlings, herbaceous vegetation, and shrubs. They are particularly important on sites where conditions favorable for seedling development are not found.

Hardwood, Shrub, and Conifer Planting - These treatments include planting of native woody shrubs (such as viburnums), native hardwood trees, hemlock, red pine, and white pine. Generally, planting occurs in openings, in forested stands where overstory tree stocking is low (and a higher level of stocking is desired), or in areas where there is an opportunity to supplement the diversity of species. In most cases, planting occurs in response to browsing of native seedlings by white tailed deer. Hardwood planting is usually proposed on sites that are poorly stocked with trees to supplement the sparse natural regeneration in order to help maintain forest cover. The number of trees varies according to the needs of each individual site at the time of planting.

Planting will increase the number and abundance of plant species on individual sites. Regionally, there will be no increase in the number of plant species because no new species will be introduced. Additional details regarding planting can be found in the Forest Plan (USDA-FS 1986a, p. 4-16, p. D-14, and pp. 4-90 through 93) and the Forest Plan FEIS (USDA-FS 1986b, p. 4-43). Since planted stock is generally less than two feet in height, no short-term benefits are anticipated. However, over the long-term (>20 years), these treatments are expected to improve stand stocking, structure, and composition, as well as help to meet wildlife objectives through improved cover/forage conditions in the treated stands. Planting in stands managed uneven-aged would normally favor more shade-tolerant tree species.

Herbicide Application - Ground application of herbicides is proposed in stands that lack adequate numbers of tree seedlings and also contain dense coverages of grasses, fern, beech root suckers and striped maple (Horsley in Marquis 1995, p. 231). This treatment would occur on sites where we are trying to establish new tree seedlings in order to perpetuate well-stocked forest cover in both even-aged and uneven-aged management systems. It may also be used to prepare sites for wildlife plantings (USDA-FS 1991, Chapter 1, p. 3 and Chapter 2, pp. 2 & 3). Sulfometuron methyl or glyphosate (or a combination of the two) is used during the latter part of the growing season (mid-July through mid-September) to control these plants.

Application rates and specific effects of herbicide application on aquatic and terrestrial ecosystems are discussed at length in Chapter 4 of the ANF Understory Management EIS, in the Forest Plan FEIS (beginning on p. 4-37), and in the Forest Plan (beginning on p. D-15). In addition, the ANF Summary of Responses to Project or IPS Appeal Points Relating to Herbicide Use (USDA-FS, 1992) provides a further summary of effects on non-target organisms and vegetation.

Herbicide treatment would not directly affect overstory vegetation since herbicide would only be applied to and taken up in significant quantities by understory species. Herbicides aid tree seedling, shrub, and forb establishment and growth that foster the development of younger, more diverse, forested areas. Herbicides control ground and some midstory vegetation that interfere with this process. Abundant tree seedlings, shrubs and forbs would have the opportunity to develop beginning the season after application. (USDA-FS 1991, pp. 4-13 and 4-14).

Wildlife are mainly affected by habitat shifts, not from toxic effects of the spray mixture. The immediate effect of removing the dense ground vegetation layer results in a change in wildlife habitat. More than a decade of herbicide treatments and monitoring (USDA-FS 1998, pp. 21-24, 73-74) on the ANF has shown that a diverse understory of woody and herbaceous species re-inhabit the site within two or three growing seasons.

Fertilization - Fertilization generally involves the aerial or ground application of nutrients on existing

seedlings, usually during the month of May. The immediate result is the growth of a dense thicket of tree seedlings that are tall enough to escape being browsed by deer. These seedlings naturally thin themselves, though some may also require a release treatment (see below) to help maintain tree species diversity on the site.

Fertilizer is used primarily in the Allegheny hardwood type or where black cherry seedlings are abundant since other tree species do not respond as well to it. (USDA-FS 1986b, p. 4-41-42; USDA-FS 1986a, p. D-14, 4-18; Horsley in Marquis 1994, p. 234-236) This treatment is used in stands managed even-aged primarily on unfenced stands that are more susceptible to deer browsing. It is not used as part of uneven-aged management.

The Forest Plan contains a standard and guideline on page 4-25 addressing buffer strips during fertilization. From a water quality standpoint, a fertilization project was monitored on the ANF in 1991 to determine if a buffer strip was adequate to prevent the movement of fertilizer from a nearby treatment area into an adjacent stream. During the project in 1991, a buffer of approximately 150' was maintained between the fertilized unit and a nearby stream. The results of the water quality analysis showed low levels of nitrate-nitrogen and total phosphate throughout the sample period (including the pre-treatment), indicating adequate buffering.

Area Fencing or Individual Tree Fencing - Area fencing excludes deer from a site and reduces the amount of browsing that occurs on that site. A dense layer of seedlings, shrubs, and herbaceous vegetation can develop when adequate light can reach the forest floor, and the forest floor is free of interfering plants. Area fencing does not completely eliminate deer browsing (since a few deer inevitably breech the fence) but reduces it to a level where seedlings, shrubs, and herbaceous vegetation can become established..

Experience on the ANF shows that where a variety of tree seedling species exists, area fencing can also greatly maintain herbaceous and woody plant species diversity and abundance, as well as improve future stand structure. (USDA-FS 1986b, p. 4-42; Horsley in Marquis 1994, pp. 236-238; USDA-FS 1986a, pp. D -14, 4-17) Fencing is an important treatment in both even-aged and uneven-aged management.

Small woven-wire fences around clumps of planted stock (cribs) or protective plastic tree shelters provide planted tree seedlings protection from deer browsing. Tree shelters also provide a microclimate that serves as a miniature greenhouse to enhance seedling survival and growth. Though the plastic tree shelters are supposed to biodegrade, most recent, local results indicate they will have to be removed by hand when their purpose is served.

Release - Release treatments involve the non-commercial mechanical cutting of tall-growing woody vegetation (generally of seedling or sapling size) that interferes with the tree seedlings, saplings, or shrubs (either naturally occurring or planted) desired on the site. The treatment can be used to regulate species composition to those species best suited for either even-aged or uneven-aged management. Release can also promote growth and survival of species not common on the site (such as aspen, oak, ash and cucumber) that are at risk of being killed by species which out grow them, potentially maintaining species richness on the site. Release is expected to improve tree species composition in the long term. (USDA-FS 1998, pp. 26 & 79; Marquis 1994, pp. 269 and 282) Release conducted in uneven-aged stands would normally favor more shade-tolerant tree species.

Release generally is carried out when stands are between 5 and 20 years (or perhaps 30 years) of age, depending upon site specific stand development patterns, weather conditions, and deer browsing effects. Release work helps ensure desired tree species composition in young forested stands, as well as the

development of future forested stand conditions.

It is important to note that in many cases it is difficult to forecast whether release will be needed following a series of other reforestation and harvest treatments which may take three to ten years to complete. The final need for release will be determined based on site-specific surveys conducted at appropriate times during the stand regeneration process.

Site Preparation for Natural Regeneration & Site Preparation/Striped Maple Cutting - Site preparation for natural regeneration would be completed on many sites proposed for either even-aged or uneven-aged regeneration. If conducted before the final harvest cut, it involves the cutting of mid-story beech, striped maple, or other selected woody species in order to reduce shading and promote development of tree seedlings. These small trees are usually 5 to 30 feet tall. (If the treatment focuses primarily on cutting striped maple, either in lieu of herbicide treatment or in preparation for an herbicide treatment, it is called site preparation/striped maple cutting.)

If site preparation for natural regeneration is conducted following a final harvest cut, it would involve cutting the same species, as well as poorly formed or severely damaged stems which may interfere with tree seedling development and growth. (USDA-FS 1986a, pp. 4-17, D-15; USDA-FS 1998, p. 26; Marquis et al 1992, pp. 4 & 65) Trees specially designated for retention on the site would not be cut. The amount of site preparation varies directly with the amount of even-aged or uneven-aged regeneration cutting proposed in a particular alternative.

SECTION 5 – SPRING CREEK OUTCOME DATA

The environmental consequences for each alternative have been evaluated by describing how the stand characteristics provided for the present condition have been changed based upon the type of treatment (or lack of treatment) that is applied. This provides a quantitative means of summarizing the differences in direct and indirect effects between alternatives and serves as a basis for making qualitative judgment regarding future outcomes of various treatment strategies. See Chapter 3, Affected Environment & Environmental Consequences for more detailed discussion of environmental effects to vegetation under each alternative.

A 20-year time span was considered in assigning outcomes. This allows adequate time for the completion of all harvest or reforestation activities initiated in Spring Creek, as well as response from vegetation affected by those activities to be evaluated. Estimates of the outcome condition of vegetation are based upon professional judgment. Knowledge gained from monitoring and evaluation of on-going silvicultural applications is the basis for the assignment of many outcome conditions.

Outcomes are displayed for each alternative for most stands that have a silvicultural treatment proposed. Not all outcomes are completed since the information is not normally calculated for all stand conditions and treatments. The present condition data, previously approved treatments (Table 9), and the treatments applied in each alternative have been evaluated to determine what condition will develop in 20 years. Table 14 displays the outcome data for each stand determined by considering the vegetation behavior guidelines outlined below. A more complete description of the guidelines used can be found in the project file.

The outcome data is the basis for many of the tables included in Chapter 3 of the FEIS. More detail on outcomes is available in the project file.

Outcome Table Definitions

Please see the present condition definitions (page 7) for an explanation of each column heading in the outcomes by alternative table (Table 14).

PROJECTED OUTCOMES

Using the rationale described below, anticipated outcomes for most stands are listed in Table 14 for all four alternatives, using the same classes.

Relative Density – Projected stocking defines the relative density or seedling/sapling stocking of the stand. For all alternative outcomes, it is calculated for 20 years from now, well beyond the time when all of the harvesting and reforestation activities are complete. It also provides approximately 13-18 years for tree growth following harvest treatments.

In stands where thinning, two-aged, and uneven-aged harvests occur, projected stocking is determined by estimating the amount of loss due to harvest, plus growth that would occur in the residual stand over the next 20 years. The value is expressed as relative stand density. First, we estimated the post-harvest relative density by considering the present condition stocking and the kind of harvest prescribed. Then we estimated the increase in relative density that would occur as a result of growth. Growth is estimated to add 5% relative density to stands whose post-harvest density is less than 40% stocked; 15% relative density to stands whose post-harvest density is between 40% and 95% stocked; and 5% to stands whose post-harvest density is greater than 95% stocked.

In stands where even-aged regeneration harvests occur, projected stocking represents the percent of plots that are adequately stocked following the harvest and application of reforestation treatments. The outcome depends on the type and timing of the harvest, the treatment objective (whether green, salvage or wildlife), the adequacy of current seedlings, and in some cases, the black cherry or birch basal area in the present stand. In 20 years, the stocking in these stands would still be measured based upon seedling/sapling-sized vegetation.

Stocking Class – Further defines relative density by placing stands with “like” relative densities into classes. Class reflects how each alternative would alter the stand 20 years into the future.

Year of Origin – Year of origin remains unchanged from the present condition except when even-aged regeneration harvests are applied (clearcuts, shelterwood removal cuts, delayed shelterwood removal cuts, two-aged harvests, and delayed two-aged harvests). The year of origin remains the same for intermediate thinning and salvage, and uneven-aged treatments.

Generally, when stands are managed under uneven-aged management, a year of origin is not assigned due to the multiple age classes found within the stand. Stands receiving an uneven-aged treatment in this project are currently even-aged stands. Post-harvest, the current overstory will still dominate the site, supplemented at most by one additional age class of seedlings that develop from currently proposed treatments. Therefore, we have elected to assign them their current age for the next 20 year time period.

Year of origin for even-aged regeneration harvests is determined by the year that the final harvest cut or two-aged harvest occurs. In stands where adequate regeneration presently exists, and the shelterwood removal cuts or two-aged harvests are scheduled for the first entry, the new year of origin is estimated to be 2003. In stands where adequate seedlings do not currently exist, and some combination of harvest and reforestation activities are prescribed, the new year of origin is estimated to be 2010.

Age Class – Further defines the stand age by placing stands with "like" ages into classes. Class reflects how each alternative would alter the stand 20 years into the future.

Code	Age Class Description	Included Years of Origin
0	None	N/A
1	0-10 years old	2014-2023
2	11-20 years old	2003-2013
5	21-50 years old	1953-2002
11	51-110 years old	1902-1952
12	111+ years	<1901

Fern/Grass Class – Projected levels of fern and grass ground cover were estimated by considering the present condition and the combination of treatments prescribed. The general assumption is that fern and grass will be found in 20 years in the understory of all Spring Creek stands, regardless of whether or not herbicides are applied through this project. Also, it is projected that fern and grass will increase over time when herbicides are not applied. When herbicides are applied it is expected that fern and grass will be removed long enough for seedlings to germinate and develop, and that a reduced amount of fern and grass will re-invade the area after seedlings are established.

Beech Striped Maple Class – Projected levels of understory beech and striped maple were estimated by considering the present condition and the combination of treatments prescribed. The general assumption is that levels of beech and striped maple will either remain constant or increase one class from the present condition unless reforestation treatments include treating the stand with an herbicide or by site preparation to remove beech and striped maple. Levels are estimated to remain constant if there is no beech/striped maple now, if the site is presently fully occupied by fern or grass or if overstory relative density remains ≥80% stocked. Levels are estimated to increase by one class if overstory stocking levels drop below 80%. Levels of beech and striped maple are set at 1 where herbicide treatment or site preparation to remove beech and striped maple occur in combination with a regeneration harvest.

Interference Class – This is a measure of the combined level of interference from fern/grass and beech/striped maple. If either projected beech/striped maple class or projected fern/grass class is ≥2, then total interference is given a 'Y', if neither is ≥2, then total interference is given an 'N'.

Regen Class – Projected levels of regeneration in 20 years were estimated by considering the present regen class, the type of harvest, the use of reforestation treatments and the current overstory basal area of black cherry and/or birch. In order for regeneration to increase, understory interference must be low enough for seedlings to germinate and develop AND overstory stocking levels must be low enough for adequate light to reach the forest floor. If these conditions do not result from treatments included in an alternative, it is estimated that regen class does not change. When regeneration harvests and reforestation treatments are prescribed, it is estimated that seedling development will occur.

Birch Class – Birch class is the amount of birch regeneration that is expected to develop in the next 20 years. For thinnings, birch class is determined by whether or not birch is present now, or whether or not birch basal area is currently found in the stand. For regeneration treatments (even-aged regeneration, two-aged, and uneven-aged harvests), it is projected that release treatments will be scheduled to control the development of birch.

Forest Type – Forest types are assigned based on the tree species composition expected to occur within the stand in 20 years. Current dead/declining trees are not considered. Only overstory trees are

considered in stands receiving thinning, two-aged and uneven-aged harvests. Tree seedlings/saplings are considered in stands receiving even-aged regeneration harvests.

For thinning, two-aged, and uneven-aged harvests, the original forest type would be retained, unless information on risk trees (trees that are declining and are not expected to survive the next 20 years) shows that a shift in composition occurs. If sufficient shift in composition occurs, a new forest type was assigned.

In stands where even-aged regeneration harvests occur, estimates of projected forest types were based on current seedling composition, types of harvest and reforestation treatments applied, and current overstory basal area of black cherry and/or birch.

Table 14: Present Condition and Outcomes by Alternative

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
672	082	2	Grn	130	4	1940	11	3	1	3	1	4	2	135	4	1940	11	3	1	Yes	1	4	2
673	015	32	Grn	86	4	1940	11	4	1	4	1	0	2	101	4	1940	11	4	1	Yes	1	0	2
673	019	12	Sal	142	4	1940	11	4	1	4	1	0	2	105	4	1940	11	4	1	Yes	1	0	2
673	042	1	Sal			1988	11						89			1988	5						89
673	060	12	Sal	188	4	1943	11	3	1	3	2	4	2	154	4	1943	11	3	1	Yes	2	4	2
673	064	9	Grn	178	4	1943	11	4	0	4	1	0	2	135	4	1943	11	4	0	Yes	1	0	2
673	095	16	Grn	86	4	1922	11	4	1	4	2	0	84	101	4	1922	11	4	1	Yes		0	84
673	097	7	Grn	58	2	1922	11	4	1	4	2	0	83	63	3	1922	11	4	1	Yes	2	0	83
673	101	8	Grn	59	2	1921	11	3	1	3	1	0	84	62	3	1921	11	4	2	Yes	1	0	84
673	102	10	Grn	82	4	1926	11	4	2	4	1	0	89	97	4	1926	11	4	2	Yes	1	3	89
673	103	10	Grn	91	4	1927	11	4	2	4	2	0	89	104	4	1927	11	4	2	Yes	2	0	89
673	104	3	Sal	172	4	1941	11	0	0	0	1	0	2	131	4	1941	11	1	0	No	1	0	2
673	105	11	Cat	63	3	1941	11	4	0	4	1	4	2	78	3	1941	11	4	0	Yes	1	4	2
673	106	5	Grn	136	4	1941	11	4	0	4	1	0	2	139	4	1941	11	4	0	Yes	1	0	2
673	107	20	Grn	113	4	1941	11	3	0	3	1	4	2	118	4	1941	11	3	0	Yes	1	4	2
673	110	7	Cat	68	3	1945	11	4	0	4	1	0	2	83	4	1945	11	4	0	Yes	1	0	2
673	111	8	Grn	91	4	1927	11	4	2	4	2	0	89	106	4	1927	11	4	2	Yes	2	0	89
680	056	7	Sal	159	4	1940	11	4	1	4	1	4	2	126	4	1940	11	4	1	Yes	1	4	2
680	057	6	Grn	137	4	1930	11	3	3	4	1	4	2	141	4	1930	11	3	3	Yes	1	4	2
681	006	27	Grn			1986	11	2					83			1986	5						83
681	014	17	Grn	69	3	1925	11	3	1	4	2	1	89	82	4	1925	11	4	2	Yes	2	3	89
681	046	23	Grn	82	4	1925	11	4	1	4	2	2	83	94	4	1925	11	4	1	Yes	2	4	83
681	052	5	Grn	88	4	1915	11	1	1	1	1	0	84	99	4	1915	11	3	1	Yes	1	0	84
682	001	19	Grn	122	4	1920	11	1	0	1	1	0	2	127	4	1920	11	3	0	Yes	1	0	2
682	014	30	Grn			1918	11	3					89			1918	11						89
682	019	17	Grn	132	4	1946	11	2	0	2	1	0	2	137	4	1946	11	4	0	Yes	1	0	2
682	021	18	Grn	118	4	1948	11	3	0	4	1	0	2	123	4	1948	11	4	0	Yes	1	0	2

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
682	035	3	Grn	109	4	1912	11	3	0	3	2	0	2	114	4	1912	12	4	0	Yes	2	0	2
682	036	9	Grn	88	4	1920	11	4	0	4	1	0	2	103	4	1920	11	4	0	Yes	1	0	2
682	037	52	Grn	100	4	1945	11	4	0	4	1	0	2	105	4	1945	11	4	0	Yes	1	0	2
682	039	25	Cat	33	1	1945	11	4	0	4	1	0	2	12	0	1945	11	4	0	Yes	1	0	2
682	040	9	Cat	33	1	1945	11	4	0	4	1	0	2	12	0	1945	11	4	0	Yes	1	0	2
682	044	6	Grn	118	4	1945	11	4	0	4	1	1	2	123	4	1945	11	4	0	Yes	1	3	2
682	045	9	Grn	73	3	1915	11	4	0	4	2	0	89	67	3	1915	11	4	0	Yes	2	0	84
682	046	18	Grn	133	4	1940	11	3	0	3	1	0	2	138	4	1940	11	4	0	Yes	1	0	2
683	001	13	Grn	114	4	1930	11	0	0	0	1	0	2	119	4	1930	11	1	0	No	1	0	2
683	018	11	Grn	73	3	1930	11	3	0	3	1	0	84	87	4	1930	11	4	0	Yes	1	0	84
683	052	7	Grn	120	4	1930	11	3	0	4	3	0	89	123	4	1930	11	3	0	Yes	3	0	89
683	055	10	Grn	61	3	1925	11	3	0	3	1	0	84	63	3	1925	11	4	0	Yes	1	0	84
683	067	24	Grn	77	3	1921	11	3	1	3	1	0	84	68	3	1921	11	4	2	Yes	1	0	84
683	069	10	Grn	92	4	1935	11	0	0	0	1	0	2	107	4	1935	11	1	0	No	1	0	2
693	001	47	Grn	89	4	1917	11	3	1	4	1	0	81	102	4	1917	11	4	1	Yes	1	0	81
693	025	40	Grn	76	3	1911	11	3	0	3	4	0	89	91	4	1911	12	3	0	Yes	4	0	89
693	039	10	Grn			1992	11						83			1992	5						83
693	041	36	Grn			1999	1						83			1999							
693	045	11	Grn			1996	1						83			1996	4						83
693	048	16	Grn	72	3	1910	11	4	0	4	2	0	83	87	4	1910	12	4	0	Yes	2	0	83
693	049	7	Grn	67	3	1915	11	3	0	3	2	0	84	82	4	1915	11	4	0	Yes	2	0	84
693	050	13	Grn	91	4	1912	11	2	1	3	1	4	84	105	4	1912	12	3	1	Yes	1	4	84
693	051	9	Grn	65	3	1917	11	4	0	4	1	0	83	78	3	1917	11	4	0	Yes	1	0	83
693	053	4	Grn	59	2	1917	11	2	3	3	1	4	89	64	3	1917	11	3	4	Yes	1	4	89
693	054	9	Grn	78	3	1912	11	4	1	4	1	0	83	92	4	1912	12	4	1	Yes	1	0	83
693	056	18	Grn	81	4	1912	11	4	0	4	1	1	89	96	4	1912	12	4	0	Yes	1	3	89
693	059	16	Grn	58	2	1917	11	1	3	3	3	4	89	67	3	1917	11	2	4	Yes	3	4	89
693	060	9	Grn	80	4	1910	11	3	1	4	1	1	84	95	4	1910	12	4	1	Yes	1	3	84

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
693	062	7	Grn	87	4	1919	11	3	0	4	1	0	84	100	4	1919	11	4	0	Yes	1	0	84
693	064	2	Grn	62	3	1910	11	3	0	3	1	0	84	77	3	1910	12	4	0	Yes	1	0	84
695	013	26	Grn	64	3	1900	11	3	3	4	3	0	83	76	3	1900	12	3	4	Yes	3	0	83
695	025	39	Grn	81	4	1910	11	1	3	3	1	4	89	95	4	1910	12	2	3	Yes	1	4	89
695	027	22	Grn			1998	1						83			1998							
695	030	17	Grn			1996	1						83			1996	4						83
695	058	20	Grn	45	2	1902	11	2	2	3	1	0	89	59	2	1902	12	4	3	Yes	1	0	89
695	062	8	Grn	76	3	1910	11	4	3	4	1	0	89	91	4	1910	12	4	3	Yes	1	3	89
696	017	16	Grn	55	2	1923	11	3	2	4	2	4	89	36	1	1923	11	3	3	Yes	2	4	89
696	022	32	Grn	52	2	1916	11	2	3	4	2	4	89	65	3	1916	11	3	4	Yes	2	4	89
696	040	19	Grn	80	4	1909	11	3	1	3	1	0	89	91	4	1909	12	4	2	Yes	1	0	89
696	042	6	Grn	65	3	1916	11	3	0	3	3	4	83	80	4	1916	11	3	0	Yes	3	4	83
696	054	9	Grn	52	2	1921	11	2	1	3	3	0	83	59	2	1921	11	3	2	Yes	3	0	83
696	055	12	Grn	81	4	1928	11	1	1	2	3	4	83	96	4	1928	11	2	1	Yes	3	4	83
696	056	7	Sal	59	2	1919	11	1	3	3	1	2	89	43	2	1919	11	2	4	Yes	1	4	89
697	001	19	Grn	87	4	1920	11	3	2	4	2	2	83	101	4	1920	11	4	2	Yes	2	4	83
697	016	15	Grn	82	4	1921	11	3	2	4	1	0	83	97	4	1921	11	4	2	Yes	1	0	83
697	017	34	Grn	65	3	1924	11	2	4	4	1	1	83	80	4	1924	11	3	4	Yes	1	3	83
697	025	14	Grn	92	4	1918	11	3	4	4	1	1	89	107	4	1918	11	3	4	Yes	1	3	89
697	028	23	Grn	98	4	1919	11	1	3	4	1	0	89	102	4	1919	11	2	3	Yes	1	3	89
697	030	35	Grn	67	3	1921	11	1	1	2	4	4	89	81	4	1921	11	2	2	Yes	4	4	89
697	032	10	Grn	103	4	1915	11	1	3	3	1	1	89	108	4	1915	11	2	3	Yes	1	3	89
697	041	6	Grn	75	3	1904	11	2	4	4	1	0	83	58	2	1904	12	3	4	Yes	1	0	89
697	042	18	Grn	101	4	1916	11	3	1	4	1	0	89	104	4	1916	11	4	1	Yes	1	0	89
697	043	4	Grn			1998	1						83			1998							
697	055	19	Grn	63	3	1914	11	3	1	4	1	0	83	78	3	1914	12	4	2	Yes	1	0	83
697	059	10	Grn	83	4	1920	11	4	2	4	1	1	84	95	4	1920	11	4	2	Yes	1	3	84
697	065	12	Grn	95	4	1923	11	2	4	4	1	1	89	109	4	1923	11	3	4	Yes	1	3	89

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
697	066	4	Grn	98	4	1918	11	1	3	4	3	0	89	102	4	1918	11	2	3	Yes	3	3	89
697	067	6	Grn	80	4	1918	11	2	3	4	1	0	83	95	4	1918	11	3	3	Yes	1	0	83
697	068	14	Grn	67	3	1912	11	4	1	4	1	1	83	81	4	1912	12	4	1	Yes	1	3	83
697	070	13	Grn	105	4	1915	11	0	2	2	3	0	83	107	4	1915	11	1	2	Yes	3	0	83
697	071	6	Grn	83	4	1922	11	2	1	3	3	0	84	94	4	1922	11	3	2	Yes	3	0	84
697	073	10	Sal	97	4	1919	11	0	4	4	1	0	89	85	4	1919	11	1	4	Yes	1	3	89
697	075	3	Grn	81	4	1918	11	1	3	3	4	0	83	96	4	1918	11	2	3	Yes	4	3	83
697	076	6	Grn	93	4	1918	11	1	1	2	1	0	83	107	4	1918	11	3	1	Yes	1	0	83
698	009	22	Grn	62	3	1912	11	3	1	4	1	4	89	66	3	1912	12	3	2	Yes	1	4	89
698	010	7	Grn	87	4	1931	11	3	1	4	1	1	2	102	4	1931	11	4	1	Yes	1	3	2
698	017	11	Grn	101	4	1920	11	0	2	2	1	1	89	105	4	1920	11	1	2	Yes	1	3	89
698	020	41	Grn	66	3	1915	11	1	2	2	1	4	84	81	4	1915	11	2	3	Yes	1	4	84
698	027	17	Grn	71	3	1919	11	4	1	4	1	0	84	79	3	1919	11	4	1	Yes	1	0	84
698	040	17	Grn	93	4	1915	11	0	3	3	1	0	89	107	4	1915	11	1	3	Yes	1	0	89
698	041	8	Grn	92	4	1923	11	1	3	3	1	0	89	107	4	1923	11	2	3	Yes	1	0	89
698	042	5	Grn			1998	1						83			1998							
698	043	16	Grn	78	3	1929	11	3	1	4	1	4	84	81	4	1929	11	3	2	Yes	1	4	84
698	052	14	Grn	122	4	1913	11	1	1	2	1	0	81	127	4	1913	12	3	1	Yes	1	0	81
698	056	5	Grn	63	3	1922	11	2	1	3	1	0	84	76	3	1922	11	4	2	Yes	1	0	84
698	062	18	Sal	93	4	1918	11	2	1	3	4	0	83	90	4	1918	11	3	1	Yes	4	0	83
698	063	14	Grn	71	3	1918	11	2	1	3	1	0	83	86	4	1918	11	4	2	Yes	1	0	83
698	064	17	Sal	88	4	1929	11	3	1	4	1	0	89	69	3	1929	11	4	2	Yes	1	0	89
698	065	10	Grn	74	3	1920	11	1	3	4	1	0	89	87	4	1920	11	2	4	Yes	1	0	89
698	066	7	Grn	86	4	1922	11	2	3	3	2	2	83	101	4	1922	11	3	3	Yes	2	4	83
698	067	8	Grn	108	4	1926	11	1	1	3	1	1	89	113	4	1926	11	3	1	Yes	1	3	89
698	068	17	Grn	107	4	1922	11	2	3	3	2	0	89	112	4	1922	11	3	3	Yes	2	0	89
698	069	12	Sal	102	4	1910	11	2	3	4	3	1	89	74	3	1910	12	3	3	Yes	3	3	89
698	070	28	Sal	112	4	1932	11	1	4	4	1	1	89	101	4	1932	11	2	4	Yes	1	3	89

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
699	003	13	Grn	120	4	1953	5	3	2	4	1	0	2	125	4	1953	11	4	2	Yes	1	0	2
699	005	3	Sal			1925	11						89			1925							
699	010	6	Grn	106	4	1918	11	2	4	4	1	1	89	111	4	1918	11	3	4	Yes	1	3	89
699	018	16	Grn			1998	1						89			1998							
699	021	7	Cat	70	3	1904	11	3	2	4	1	0	89	-21	0	1904	12	4	3	Yes	1	0	83
699	028	19	Grn	70	3	1990	2	1	2	3	4	4	81	80	4	1990	5	2	3	Yes	4	4	81
699	030	28	Grn			1998	1						83			1998							
699	031	32	Grn	69	3	1887	12	2	4	4	1	4	81	40	1	1887	12	3	4	Yes	1	4	89
699	036	15	Grn			1998	1						89			1998							
699	043	20	Cat	25	1	1925	11	3	2	4	2	3	89	30	1	1925	11	3	3	Yes	2	4	89
699	050	13	Sal	55	2	1921	11	3	3	4	2	4	84	70	3	1921	11	3	4	Yes	2	4	83
699	051	32	Cat	30	1	1921	11	3	3	4	1	0	83	35	1	1921	11	3	4	Yes	1	0	89
699	052	5	Cat	70	3	1897	11	2	2	3	1	0	81	34	1	1897	12	4	3	Yes	1	0	89
699	053	29	Grn	82	4	1890	12	3	3	4	1	1	81	93	4	1890	12	3	4	Yes	1	3	89
699	054	3	Grn	88	4	1890	12	1	4	4	1	0	83	101	4	1890	12	2	4	Yes	1	0	83
699	055	2	Sal			1925	11						89			1925							
700	123	5	Sal			1917	11						83			1917	11						83
702	011	11	Grn	72	3	1913	11	3	1	4	1	0	89	86	4	1913	12	4	2	Yes	1	0	89
702	014	3	Sal			1919	11						89			1919							
702	025	19	Grn			1996	1						83			1996	4						83
702	027	1	Sal			1918	11						89			1918							
702	028	1	Sal			1928	11						89			1928							
702	029	1	Sal			1920	11						89			1920							
702	034	5	Grn			1995	1						83			1995	4						83
702	035	8	Grn	100	4	1945	11	0	0	0	1	0	16	100	4	1945	11	1	0	No	1	0	16
702	040	28	Grn			1996	1						83			1996	4						83
702	041	22	Grn	68	3	1911	11	2	2	4	1	0	89	82	4	1911	12	4	3	Yes	1	0	89
702	055	19	Grn	105	4	1929	11	1	0	1	1	0	16	110	4	1929	11	3	0	Yes	1	0	16

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
702	060	20	Cat	51	2	1914	11	3	2	4	3	0	83	29	1	1914	12	3	3	Yes	3	0	89
702	075	6	Grn			1995	1						83			1995	4						83
702	077	13	Grn	64	3	1928	11	4	2	4	3	0	84	74	3	1928	11	4	2	Yes	3	0	89
702	078	5	Grn			1995	1						81			1995	4						81
702	079	4	Grn	77	3	1915	11	2	1	2	1	0	84	90	4	1915	11	4	2	Yes	1	0	84
702	084	6	Grn	74	3	1915	11	2	1	2	1	0	84	89	4	1915	11	4	2	Yes	1	0	84
702	090	11	Grn	105	4	1945	11	0	0	0	1	0	16	110	4	1945	11	1	0	No	1	0	16
702	091	4	Grn	102	4	1906	11	1	3	3	1	0	89	62	3	1906	12	2	4	Yes	1	0	89
702	092	2	Grn	83	4	1910	11	1	3	3	1	0	83	98	4	1910	12	2	3	Yes	1	0	83
702	093	12	Grn	105	4	1929	11	0	0	0	1	0	16	110	4	1929	11	1	0	No	1	0	16
702	094	10	Grn	82	4	1929	11	2	1	3	1	0	81	43	2	1929	11	4	2	Yes	1	3	81
702	095	5	Grn	65	3	1926	11	1	1	2	1	1	89	80	4	1926	11	3	2	Yes	1	3	89
703	008	1	Sal			1923	11						83			1923							
703	009	1	Sal			1934	11						84			1934							
703	022	35	Grn	63	3	1920	11	4	1	4	4	1	83	78	3	1920	11	2	2	Yes	4	3	89
703	027	10	Grn	100	4	1906	11	1	0	1	1	0	89	105	4	1906	12	3	0	Yes	1	3	89
703	035	54	Sal	70	3	1915	11	2	1	2	1	0	89	95	4	1915	11	4	1	Yes	1	3	89
703	039	4	Sal			1920	11	3	3				83			1920							
703	041	10	Grn	57	2	1920	11	1	1	2	4	0	83	72	3	1920	11	2	2	Yes	4	0	83
703	042	22	Grn	74	3	1909	11	1	1	2	3	0	81	89	4	1909	12	2	2	Yes	3	0	89
703	057	8	Grn	94	4	1910	11	3	3	4	3	0	83	106	4	1910	12	3	3	Yes	3	0	83
703	059	3	Sal			1915	11	3	2				89			1915							
703	060	6	Grn	81	4	1915	11	1	1	2	4	0	83	96	4	1915	11	2	1	Yes	4	0	83
703	062	2	Grn	57	2	1920	11	0	0	0	4	0	83	72	3	1920	11	1	0	No	4	0	83
703	063	3	Grn	110	4	1945	11	1	0	1	1	0	16	115	4	1945	11	3	0	Yes	1	0	16
706	033	40	Grn	73	3	1913	11	3	2	3	4	1	89	86	4	1913	12	4	3	Yes	4	3	89
706	034	21	Grn	91	4	1913	11	2	1	2	4	0	89	105	4	1913	12	3	1	Yes	4	0	89
706	043	28	Grn	82	4	1910	11	4	1	4	1	0	89	97	4	1910	12	4	1	Yes	1	0	89

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
706	044	25	Grn	90	4	1910	11	4	2	4	2	1	83	104	4	1910	12	4	2	Yes	2	3	83
706	045	10	Grn	83	4	1905	11	4	0	4	4	1	89	98	4	1905	12	4	0	Yes	4	3	89
706	046	15	Grn	103	4	1910	11	3	1	4	4	2	89	108	4	1910	12	4	1	Yes	4	4	89
706	047	9	Grn	82	4	1910	11	4	2	4	4	2	56	95	4	1910	12	4	2	Yes	4	4	56
706	048	8	Grn	70	3	1910	11	3	2	3	4	0	83	85	4	1910	12	3	3	Yes	4	0	83
707	006	33	Sal	93	4	1923	11	1	4	4	1	0	89	79	3	1923	11	2	4	Yes	1	0	89
707	007	12	Sal	84	4	1916	11	1	3	3	1	0	89	63	3	1916	11	2	4	Yes	1	0	89
707	014	17	Grn	68	3	1922	11	3	1	4	1	4	81	81	4	1922	11	3	2	Yes	1	4	89
707	015	14	Grn	78	3	1922	11	3	1	3	1	0	89	93	4	1922	11	4	2	Yes	1	0	89
707	016	7	Grn	66	3	1916	11	4	0	4	1	0	83	81	4	1916	11	4	0	Yes	1	0	83
707	019	22	Grn	10	0	1996	1	1	0	1	4	0	83	15	0	1996	4	2	0	Yes	4	0	83
707	028	16	Grn	82	4	1934	11	4	0	4	2	0	83	97	4	1934	11	4	0	Yes	2	0	83
707	032	18	Grn	71	3	1933	11	4	0	4	1	0	83	84	4	1933	11	4	0	Yes	1	0	83
707	036	16	Grn	76	3	1934	11	2	2	4	1	0	89	91	4	1934	11	4	3	Yes	1	0	89
707	040	10	Grn	88	4	1939	11	4	0	4	1	0	83	103	4	1939	11	4	0	Yes	1	0	83
707	044	33	Grn	54	2	1909	11	3	3	4	4	0	89	68	3	1909	12	3	4	Yes	4	0	89
707	046	8	Grn	96	4	1949	11	1	3	3	1	1	89	100	4	1949	11	2	3	Yes	1	3	89
707	047	10	Sal	80	4	1916	11	1	2	3	1	0	89	66	3	1916	11	3	3	Yes	1	0	89
707	048	16	Grn	93	4	1928	11	4	1	4	1	0	83	107	4	1928	11	4	1	Yes	1	0	83
707	050	18	Grn	97	4	1916	11	3	1	3	1	0	83	102	4	1916	11	4	1	Yes	1	0	83
707	051	3	Grn	81	4	1938	11	2	2	3	3	0	89	94	4	1938	11	3	3	Yes	3	0	89
707	052	6	Grn	102	4	1942	11	1	1	3	1	0	84	105	4	1942	11	3	1	Yes	1	0	84
707	053	8	Grn	76	3	1923	11	2	2	4	1	0	89	91	4	1923	11	4	3	Yes	1	0	89
707	055	4	Grn	88	4	1939	11	3	1	4	4	0	89	103	4	1939	11	3	1	Yes	4	0	89
707	056	12	Grn	68	3	1926	11	3	0	4	1	2	89	80	4	1926	11	4	0	Yes	1	4	89
707	057	5	Grn	92	4	1925	11	4	0	4	4	0	83	107	4	1925	11	4	0	Yes	4	0	83
708	008	20	Grn	98	4	1912	11	1	2	3	1	0	89	102	4	1912	12	3	2	Yes	1	0	89
708	010	15	Grn	100	4	1912	11	1	2	3	1	2	83	105	4	1912	12	3	2	Yes	1	4	83

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
708	023	30	Grn			1998	1						89			1998							
708	027	22	Grn	79	3	1914	11	1	2	2	1	4	84	94	4	1914	12	2	3	Yes	1	4	84
708	033	17	Grn	91	4	1912	11	1	4	4	1	0	81	106	4	1912	12	2	4	Yes	1	3	81
708	037	15	Grn	94	4	1914	11	1	2	2	1	0	89	109	4	1914	12	3	2	Yes	1	0	89
708	038	20	Sal	86	4	1933	11	2	2	3	1	1	83	66	3	1933	11	4	3	Yes	1	3	89
708	041	8	Grn	95	4	1932	11	2	2	3	1	0	89	100	4	1932	11	4	2	Yes	1	0	89
708	042	10	Sal	92	4	1933	11	3	3	4	1	4	89	79	3	1933	11	3	4	Yes	1	4	89
708	043	5	Grn	101	4	1922	11	1	1	2	1	0	89	106	4	1922	11	3	1	Yes	1	3	89
709	003	17	Grn	75	3	1890	12	1	3	4	1	0	81	89	4	1890	12	2	4	Yes	1	0	89
709	010	28	Grn			1998	1						83			1998							
709	011	49	Sal	76	3	1900	11	3	3	4	1	1	89	67	3	1900	12	3	4	Yes	1	3	89
709	015	17	Sal	95	4	1894	11	3	3	4	1	0	89	79	3	1894	12	3	4	Yes	1	0	89
709	018	12	Grn	68	3	1897	11	3	1	3	1	4	89	82	4	1897	12	3	2	Yes	1	4	89
709	026	17	Sal	77	3	1894	11	3	2	4	1	0	81	61	3	1894	12	4	3	Yes	1	0	89
709	030	9	Sal	72	3	1896	11	0	3	3	1	1	89	63	3	1896	12	1	4	Yes	1	3	89
709	032	21	Sal	79	3	1898	11	3	2	4	1	1	81	68	3	1898	12	4	3	Yes	1	3	89
709	037	13	Grn	72	3	1888	12	1	3	4	1	1	81	85	4	1888	12	2	4	Yes	1	3	81
709	038	20	Grn	66	3	1884	12	3	2	4	2	2	89	80	4	1884	12	4	3	Yes	2	4	89
709	039	2	Grn	60	3	1884	12	3	2	4	2	2	89	38	1	1884	12	4	3	Yes	2	4	89
709	040	3	Grn	79	3	1893	11	1	3	4	1	0	81	94	4	1893	12	2	4	Yes	1	0	89
709	041	8	Grn	70	3	1887	12	0	4	4	1	1	81	85	4	1887	12	1	4	Yes	1	3	89
709	042	10	Grn	68	3	1894	11	3	2	4	1	4	81	83	4	1894	12	3	3	Yes	1	4	89
709	043	5	Sal	72	3	1900	11	1	3	3	1	0	89	65	3	1900	12	2	4	Yes	1	0	89
709	044	4	Grn	85	4	1902	11	2	2	3	1	0	89	99	4	1902	12	4	2	Yes	1	0	89
709	045	9	Grn	78	3	1897	11	1	1	2	1	4	81	93	4	1897	12	2	2	Yes	1	4	89
709	047	9	Grn	83	4	1907	11	3	3	4	1	1	83	98	4	1907	12	3	3	Yes	1	3	83
710	001	8	Cat	22	1	1911	11	3	2	4	1	1	84	27	1	1911	12	4	3	Yes	1	3	84
710	011	29	Grn	15	0	1997	1	2	2	3	1	4	83	20	1	1997	4	3	3	Yes	1	4	83

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
710	016	16	Grn			1999	1						83			1999							
710	020	13	Grn			2001	1						83			2001							
710	023	16	Grn			1999	1						89			1999							
711	001	45	Grn			1999	1						83			1999							
711	006	17	Grn			1996	1						81			1996	4						81
711	035	35	Grn	70	3	1915	11	1	4	4	1	4	84	33	1	1915	11	2	4	Yes	1	4	84
711	036	15	Sal	70	3	1915	11	1	4	4	1	4	84	33	1	1915	11	2	4	Yes	1	4	84
711	039	19	Grn			1998	1						83			1998							
711	048	7	Sal			1915	11						89			1915	11						89
711	050	6	Grn	88	4	1910	11	2	1	2	4	0	83	102	4	1910	12	3	1	Yes	4	0	83
711	051	11	Grn	81	4	1910	11	3	3	4	2	0	83	93	4	1910	12	3	3	Yes	2	0	83
711	052	19	Grn	81	4	1900	11	0	4	4	1	4	81	95	4	1900	12	1	4	Yes	1	4	89
711	053	11	Grn	92	4	1910	11	2	1	3	3	4	89	43	2	1910	12	3	2	Yes	3	4	89
711	054	6	Cat	54	2	1897	11	1	2	3	4	4	83	34	1	1897	12	2	3	Yes	4	4	83
711	055	1	Cat	44	2	1904	11	3	1	3	4	1	83	29	1	1904	12	4	2	Yes	4	3	83
711	056	6	Grn	118	4	1910	11	2	1	2	4	0	83	122	4	1910	12	3	1	Yes	4	0	83
712	003	4	Sal			1910	11						84			1910							
712	006	10	Sal			1902	11						83			1902							
712	007	15	Sal			1913	11						83			1913							
712	008	5	Sal			1904	11						89			1904							
712	013	4	Sal			1905	11						89			1905							
712	014	1	Sal			1920	11						83			1920							
712	015	20	Sal			1920	11						83			1920							
712	016	1	Sal			1925	11						83			1925							
712	018	1	Sal			1908	11						83			1908							
712	019	2	Sal			1910	11						83			1910							
712	021	10	Sal			1908	11						83			1908							
712	023	1	Sal			1904	11						89			1904							

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
712	025	3	Sal			1910	11						84			1910							
712	026	4	Sal			1917	11						89			1917							
712	029	20	Cat	20	1	1905	11	2	2	3	1	3	89	25	1	1905	12	3	3	Yes	1	4	89
712	030	3	Cat	25	1	1890	12	3	2	4	3	3	89	30	1	1890	12	3	3	Yes	3	4	89
712	031	7	Cat	25	1	1920	11	2	2	3	1	3	83	30	1	1920	11	3	3	Yes	1	4	83
712	032	6	Cat	45	2	1908	11	2	2	2	1	3	89	60	3	1908	12	3	3	Yes	1	4	89
712	033	2	Cat	15	0	1908	11	3	2	3	1	0	83	20	1	1908	12	3	3	Yes	1	0	83
712	034	7	Cat	20	1	1908	11	3	2	3	2	0	83	25	1	1908	12	3	3	Yes	2	0	83
713	004	44	Grn	87	4	1920	11	3	2	4	1	1	84	102	4	1920	11	4	2	Yes	1	3	84
713	031	17	Grn			1997	1						83			1997	4						83
713	037	2	Grn			1999	1						83			1999							
713	041	14	Grn			1997	1						81			1997	4						81
846	096	5	Grn	83	4	1909	11	3	2	4	1	0	84	96	4	1909	12	4	2	Yes	1	0	84
847	018	8	Sal	62	3	1895	11	2	3	4	1	0	89	44	2	1895	12	3	4	Yes	1	0	89
847	032	8	Sal	65	3	1900	11	2	2	3	1	0	89	80	4	1900	12	3	4	Yes	1	0	89
847	040	8	Grn			1995	1						84			1995	4						84
848	025	14	Grn	88	4	1914	11	1	3	3	1	4	83	103	4	1914	12	2	3	Yes	1	4	83
849	001	13	Sal	83	4	1920	11	2	1	3	2	0	83	78	3	1920	11	4	2	Yes	2	0	89
850	032	16	Grn			2000	1						89			2000							
850	035	19	Grn			2000	1						84			2000							
850	040	9	Grn	89	4	1910	11	3	1	4	1	0	89	103	4	1910	12	4	1	Yes	1	0	89
850	043	11	Sal	99	4	1906	11	2	2	3	1	4	89	97	4	1906	12	3	2	Yes	1	4	89
850	045	4	Sal			1913	11						89			1913							
850	049	24	Cat	25	1	1930	11	2	2	2	3	2	83	30	1	1930	11	3	3	Yes	3	4	83
850	052	2	Sal	145	4	1940	11	3	2	4	1	0	2	103	4	1940	11	4	2	Yes	1	0	2
850	058	5	Cat	30	1	1930	11	3	2	3	2	1	89	35	1	1930	11	3	3	Yes	2	3	89
850	059	19	Sal	94	4	1903	11	0	0	0	1	0	89	89	4	1903	12	1	0	No	1	0	89
850	060	6	Sal	92	4	1900	11	4	1	4	1	0	84	88	4	1900	12	4	1	Yes	1	0	84

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
850	061	17	Grn	85	4	1889	12	4	1	4	1	1	89	100	4	1889	12	4	1	Yes	1	3	89
850	072	8	Grn	104	4	1900	11	2	2	3	3	4	89	106	4	1900	12	3	2	Yes	3	4	89
850	079	9	Grn	137	4	1936	11	1	1	2	1	2	89	142	4	1936	11	3	1	Yes	1	4	89
850	080	3	Sal			1913	11						89			1913							
850	082	3	Cat	10	0	1906	11	4	1	4	1	1	84	15	0	1906	12	4	1	Yes	1	3	84
850	083	3	Cat	10	0	1906	11	4	1	4	1	1	84	15	0	1906	12	4	1	Yes	1	3	84
850	084	4	Cat	30	1	1900	11	3	2	4	2	0	84	35	1	1900	12	3	3	Yes	2	0	84
850	085	3	Cat	40	1	1900	11	3	3	4	1	0	83	45	2	1900	12	3	4	Yes	1	0	83
850	086	6	Cat	10	0	1909	11	3	2	4	1	0	89	15	0	1909	12	3	3	Yes	1	0	89
850	087	4	Cat	10	0	1898	11	3	2	4	1	1	84	15	0	1898	12	3	3	Yes	1	3	84
858	004	10	Sal			1998	1						89			1998							
858	010	1	Sal			1911	11						83			1911							
858	014	2	Grn	112	4	1911	11	2	4	4	1	2	83	117	4	1911	12	3	4	Yes	1	4	83
858	017	12	Cat	45	2	1912	11	4	1	4	2	0	83	60	3	1912	12	4	1	Yes	2	0	89
858	019	13	Sal	111	4	1902	11	3	2	4	1	1	89	60	3	1902	12	4	3	Yes	1	3	83
858	027	20	Cat	38	1	1911	11	3	2	4	2	2	89	43	2	1911	12	3	3	Yes	2	4	89
858	028	29	Cat	48	2	1901	11	1	4	4	1	4	89	63	3	1901	12	2	4	Yes	1	4	83
858	029	11	Sal	72	3	1907	11	3	1	3	1	4	84	71	3	1907	12	3	2	Yes	1	4	84
858	033	7	Grn	126	4	1900	11	1	2	2	2	4	89	131	4	1900	12	2	2	Yes	2	4	83
858	038	8	Grn	64	3	1921	11	2	2	3	1	1	89	79	3	1921	11	4	3	Yes	1	3	89
858	040	20	Grn	98	4	1897	11	1	3	3	1	1	81	101	4	1897	12	2	3	Yes	1	3	81
859	001	14	Grn			1997	1						89			1997	4						89
859	008	12	Sal	77	3	1911	11	4	1	4	1	1	89	45	2	1911	12	4	1	Yes	1	3	89
859	013	22	Sal	75	3	1915	11	3	0	3	1	0	84	72	3	1915	11	4	0	Yes	1	0	89
859	017	7	Grn	101	4	1914	11	4	1	4	1	0	83	106	4	1914	11	4	1	Yes	1	0	83
859	033	27	Cat	63	3	1910	11	3	0	3	1	0	83	78	3	1910	12	4	0	No	1	0	83
859	042	4	Sal			1900	11						83			1900							
859	056	4	Cat	15	0	1909	11	3	2	4	1	0	83	20	1	1909	12	3	3	Yes	1	0	83

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
859	057	10	Sal	70	3	1900	11	4	1	4	1	0	83	85	4	1900	12	4	1	Yes	1	0	83
859	058	5	Cat	15	0	1910	11	4	0	4	1	0	83	20	1	1910	12	4	0	Yes	1	0	83
860	002	12	Grn			1997	1						84			1997	4						84
860	009	10	Sal			1915	11						83			1915							
860	018	9	Grn	121	4	1898	11	4	2	4	3	0	83	126	4	1898	12	4	2	Yes	3	0	83
860	023	8	Sal	112	4	1907	11	1	1	2	1	1	81	102	4	1907	12	3	1	Yes	1	3	81
860	027	20	Cat	30	1	1908	11	3	3	4	2	4	83	35	1	1908	12	3	4	Yes	2	4	83
860	029	8	Grn			1998	1						81			1998							
860	031	10	Cat	30	1	1910	11	3	2	4	2	0	83	35	1	1910	12	3	3	Yes	2	0	83
860	034	11	Cat	45	2	1910	11	4	2	4	3	2	83	60	3	1910	12	4	2	Yes	3	3	83
860	036	26	Grn	51	2	1898	11	4	1	4	2	0	89	66	3	1898	12	4	1	Yes	2	0	89
860	038	9	Cat	40	1	1910	11	4	3	4	2	4	83	45	2	1910	12	4	2	Yes	2	4	83
861	010	26	Cat	35	1	1907	11	3	2	3	2	3	89	40	1	1907	12	3	3	Yes	2	4	89
861	012	17	Grn			1997	1						83			1997							
861	029	26	Grn			1998	1						89			1998							
861	035	9	Grn			1998	1						89			1998							
861	041	9	Cat	54	2	1893	11	3	1	3	1	4	84	69	3	1893	12	3	2	Yes	1	4	84
861	043	20	Grn			1997	1						83			1997							
861	044	30	Cat	39	1	1907	11	1	3	3	1	4	84	44	2	1907	12	2	4	Yes	1	4	84
861	045	22	Cat	27	1	1907	11	2	2	3	1	2	89	32	1	1907	12	3	3	Yes	1	3	89
861	046	20	Cat	30	1	1907	11	1	3	4	1	4	84	35	1	1907	12	2	4	Yes	1	4	84
861	047	7	Cat	40	1	1907	11	2	3	4	1	4	84	45	2	1907	12	3	4	Yes	1	4	84
862	005	12	Grn			1991	2						81			1991	5						81
862	018	40	Cat	43	2	1920	11	2	1	2	4	0	89	58	2	1920	11	3	2	Yes	4	0	83
862	021	10	Grn	68	3	1905	11	1	2	3	1	4	84	82	4	1905	12	2	3	Yes	1	4	84
863	003	10	Sal			1916	11						83			1916							
863	005	8	Sal			1928	11						83			1928							
863	006	18	Grn			1999	1						89			1999							

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
863	008	8	Cat	35	1	1909	11	4	1	4	3	4	89	40	2	1909	12	4	1	Yes	3	4	89
863	009	20	Cat	39	1	1909	11	2	1	3	4	4	89	44	2	1909	12	3	2	Yes	4	4	89
863	011	4	Cat	25	1	1925	11	3	1	3	2	1	89	30	1	1925	11	3	2	Yes	2	3	89
863	015	10	Sal			1939	11						89			1939							
863	026	3	Sal			1911	11						83			1911							
863	029	11	Cat	39	1	1908	11	1	3	4	4	4	83	43	2	1908	12	2	4	Yes	4	4	89
863	034	13	Cat	40	1	1921	11	3	1	3	2	1	84	45	2	1921	11	3	2	Yes	2	3	84
863	041	5	Sal	86	4	1911	11	4	2	4	1	0	89	65	3	1911	12	4	2	Yes	1	0	89
863	048	2	Sal			1928	11						89			1928							
863	049	8	Sal			1930	11						83			1930							
863	050	6	Sal			1922	11						83			1922							
863	051	20	Cat	45	2	1919	11	2	2	3	2	2	89	60	3	1919	11	3	3	Yes	2	3	89
863	053	2	Sal			1939	11						81			1939							
863	056	25	Cat	34	1	1911	11	3	1	3	1	1	89	39	1	1911	12	3	2	Yes	1	3	89
863	063	9	Sal	60	3	1900	11	4	4	4	4	4	83	75	3	1900	12	4	4	Yes	4	4	83
863	064	3	Sal			1911	11	3					89			1911							
863	078	9	Grn			1998	1						84			1998							
863	080	10	Sal	121	4	1918	11	1	2	2	1	1	81	92	4	1918	11	3	2	Yes	1	3	89
863	081	3	Sal			1924	11						84			1924							
863	084	3	Sal			1919	11						89			1919							
863	089	6	Cat	25	1	1919	11	3	1	3	2	1	89	30	1	1919	11	3	3	Yes	2	3	89
875	008	14	Cat	41	2	1906	11	1	4	4	1	4	81	39	1	1906	12	2	4	Yes	1	4	89
875	009	25	Grn	53	2	1906	11	1	4	4	1	4	83	58	2	1906	12	2	4	Yes	1	4	83
876	008	6	Cat	31	1	1902	11	2	4	4	1	2	81	36	1	1902	12	3	4	Yes	1	4	89
876	009	17	Grn	92	4	1925	11	0	3	3	1	1	81	107	4	1925	11	1	3	Yes	1	3	81
876	013	11	Grn			1997	1						89			1997							
876	014	3	Grn			1996	1						89			1996	4						89
876	015	20	Grn			1997	1						89			1997							

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
876	016	14	Grn			1997	1						81			1997							
876	034	22	Grn			1997	1						83			1997							
877	002	22	Grn	73	3	1910	11	1	3	3	1	4	81	88	4	1910	12	2	4	Yes	1	4	89
877	006	17	Grn	56	2	1910	11	1	2	2	1	2	89	61	3	1910	12	3	3	Yes	1	4	89
877	007	29	Grn			1994	1						84			1994	5						84
877	011	17	Grn			1998	1						83			1998							
877	015	42	Grn			1995	1						89			1995	4						89
877	016	17	Grn	72	3	1906	11	1	3	3	1	4	89	87	4	1906	12	2	4	Yes	1	4	89
877	052	19	Grn			1998	1						83			1998							
877	053	13	Grn			1998	1						83			1998							
877	073	24	Grn	74	3	1925	11	3	1	3	1	1	89	89	4	1925	11	4	2	Yes	1	3	89
879	007	13	Grn	80	4	1923	11	1	3	3	1	1	89	95	4	1923	11	2	3	Yes	1	3	89
879	021	19	Grn	65	3	1925	11	3	3	4	1	4	83	80	4	1925	11	3	4	Yes	1	4	83
879	045	7	Sal	82	4	1926	11	4	3	4	1	4	84	65	3	1926	11	4	3	Yes	1	4	84
891	002	7	Grn			1993	1						83			1993	5						83
891	003	9	Grn			1993	1						83			1993	5						83
891	005	8	Grn	64	3	1915	11	4	1	4	1	0	89	69	3	1915	11	4	1	Yes	1	3	89
891	006	9	Sal			1919	11						84			1919	11						84
891	007	20	Grn	86	4	1917	11	4	1	4	1	2	89	101	4	1917	11	4	1	Yes	1	4	89
891	011	23	Grn	90	4	1927	11	3	1	3	4	2	89	104	4	1927	11	4	1	Yes	4	4	83
891	012	27	Sal			1918	11						83			1918	11						83
891	015	9	Grn	72	3	1922	11	4	1	4	1	0	83	86	4	1922	11	4	1	Yes	1	0	83
891	018	38	Sal			1919	11						84			1919	11						84
891	024	33	Sal			1914	11						83			1914	12						83
891	027	11	Grn	65	3	1911	11	4	2	4	1	1	89	80	4	1911	12	4	2	Yes	1	3	89
891	031	20	Sal			1925	11						89			1925	11						89
891	034	26	Grn	92	4	1915	11	4	1	4	1	2	89	105	4	1915	11	4	1	Yes	1	4	89
891	035	24	Grn	70	3	1909	11	4	2	4	1	0	83	85	4	1909	12	4	2	Yes	1	0	83

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
891	037	31	Grn	79	3	1912	11	4	1	4	1	1	84	94	4	1912	12	4	1	Yes	1	3	84
891	047	17	Grn	10	0	1994	1	2	2	3	3	2	83	15	0	1994	5	3	3	Yes	3	4	83
891	050	18	Sal			1915	11						83			1915	11						83
891	054	14	Sal			1920	11						83			1920	11						83
891	055	12	Grn	20	1	1993	1	4	1	4	3	0	83	15	0	1993	5	4	1	Yes	3	0	83
891	058	3	Grn			1993	1	3					83			1993	5						83
891	063	9	Sal			1918	11						84			1918	11						84
891	064	4	Sal			1923	11						84			1923	11						84
891	065	16	Sal			1915	11						84			1915	11						84
891	067	4	Cat	54	2	1919	11	4	0	4	1	0	84	-2	0	1919	11	4	0	Yes	1	0	84
891	069	23	Sal			1914	11						89			1914	12						89
891	070	7	Grn	77	3	1927	11	3	0	3	2	1	83	92	4	1927	11	4	0	Yes	2	3	83
891	071	7	Grn	67	3	1942	11	1	0	1	4	1	83	82	4	1942	11	2	0	Yes	4	3	83
891	072	5	Grn	69	3	1909	11	4	0	4	1	1	83	84	4	1909	12	4	0	Yes	1	3	83
892	026	12	Grn	64	3	1923	11	4	0	4	1	0	89	78	3	1923	11	4	0	Yes	1	3	89
892	029	8	Grn	90	4	1923	11	2	0	2	2	0	81	105	4	1923	11	4	0	Yes	2	0	89
892	031	20	Grn			1984	2						83			1984	5						83
892	034	10	Grn	77	3	1928	11	1	1	1	1	0	83	92	4	1928	11	3	2	Yes	2	0	83
892	036	8	Sal			1929	11						84			1929	11						84
892	038	7	Grn	63	3	1918	11	1	1	1	3	1	83	36	1	1918	11	2	2	Yes	4	3	83
892	043	11	Sal			1921	11						83			1921	11						83
892	045	20	Sal			1931	11						84			1931	11						84
892	047	9	Cat	58	2	1923	11	2	1	2	3	0	83	29	1	1923	11	3	2	Yes	3	0	83
892	052	19	Sal	72	3	1928	11	1	0	1	1	0	84	87	4	1928	11	3	0	Yes	2	3	84
892	054	15	Grn	68	3	1923	11	4	1	4	1	0	83	83	4	1923	11	4	1	Yes	1	0	83
892	055	4	Grn	94	4	1919	11	4	0	4	1	0	84	32	1	1919	11	4	0	Yes	1	3	84
892	060	14	Grn	85	4	1928	11	3	1	4	1	0	83	100	4	1928	11	4	1	Yes	1	0	83
892	064	11	Sal			1931	11						83			1931	11						83

Stand Identification				Present Condition (Year 2003)										Alternative 1 Outcomes (Year 2023)									
Compartment	Stand	Acres	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year of Origin	Age Class	Fern/Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
893	054	4	Sal	58	2	1923	11	4	1	4	1	4	83	41	2	1923	11	4	1	Yes	1	4	83
904	005	24	Grn	86	4	1909	11	0	1	1	4	0	55	101	4	1909	12	1	1	No	1	0	55
904	006	10	Sal	85	4	1911	11	1	1	3	4	0	55	58	2	1911	12	2	2	Yes	4	0	55
904	014	9	Grn	54	2	1911	11	0	3	3	3	0	55	69	3	1911	12	1	4	Yes	3	0	55

Outcomes by Alternative (Continued)

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
672	082	2	Grn	102	4	1940	11	3	2	Y	1	4	2	102	4	1940	11	3	2	Y	1	4	2
673	015	32	Grn	75	3	1940	11	4	1	Y	1	0	2										
673	019	12	Sal	92	4	1940	11	4	1	Y	1	0	2	92	4	1940	11	4	1	Y	1	0	2
673	042	1	Sal			1988	5									1988	5						
673	060	12	Sal	127	4	1943	11	3	3	Y	2	4	2	127	4	1943	11	3	3	Y	2	4	2
673	064	9	Grn	115	4	1943	11	4	0	Y	1	0	2	115	4	1943	11	4	0	Y	1	0	2
673	095	16	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
673	097	7	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
673	101	8	Grn	85	4	2012	2	2	1	Y	4	0	84										
673	102	10	Grn	85	4	2012	2	2	1	Y	4	0	89										
673	103	10	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
673	104	3	Sal	112	4	1941	11	0	0	N	2	0	2	112	4	1941	11	0	0	N	2	0	2
673	105	11	Cat	85	4	2012	2	2	0	Y	3	1	2	85	4	2012	2	2	0	Y	3	1	2

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
673	106	5	Grn	104	4	1941	11	4	0	Y	1	0	2	104	4	1941	11	4	0	Y	1	0	2
673	107	20	Grn	90	4	1941	11	3	0	Y	1	4	2	90	4	1941	11	3	0	Y	1	4	2
673	110	7	Cat	85	4	2012	2	2	1	Y	4	0	2	85	4	2012	2	2	1	Y	4	0	2
673	111	8	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
680	056	7	Sal	108	4	1940	11	4	1	Y	1	4	2	108	4	1940	11	4	1	Y	1	4	2
680	057	6	Grn	106	4	1930	11	3	4	Y	1	4	2	106	4	1930	11	3	4	Y	1	4	2
681	006	27	Grn			1986	5									1986	5						
681	014	17	Grn	35	1	1925	11	2	1	Y	4	1	89										
681	046	23	Grn	35	1	1925	11	2	1	Y	4	1	83	75	3	1925	11	4	2	Y	2	4	83
681	052	5	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
682	001	19	Grn	96	4	1920	11	3	0	Y	1	0	2	96	4	1920	11	3	0	Y	1	0	2
682	014	30	Grn			1918	11									1918	11						
682	019	17	Grn	103	4	1946	11	4	0	Y	1	0	2	103	4	1946	11	4	0	Y	1	0	2
682	021	18	Grn	94	4	1948	11	4	0	Y	1	0	2										
682	035	3	Grn	88	4	1912	12	4	0	Y	2	0	2	88	4	1912	12	4	0	Y	2	0	2
682	036	9	Grn	75	3	1920	11	4	0	Y	1	0	2	75	3	1920	11	4	0	Y	1	0	2
682	037	52	Grn	82	4	1945	11	4	0	Y	1	0	2	82	4	1945	11	4	0	Y	1	0	2
682	039	25	Cat	75	3	2005	2	2	1	Y	3	1	16	75	3	2005	2	2	1	Y	3	1	16
682	040	9	Cat	75	3	2005	2	2	1	Y	3	1	16	75	3	2005	2	2	1	Y	3	1	16
682	044	6	Grn	94	4	1945	11	4	0	Y	1	3	2	94	4	1945	11	4	0	Y	1	3	2
682	045	9	Grn	85	4	2012	2	2	1	Y	4	0	89										
682	046	18	Grn	104	4	1940	11	4	0	Y	1	0	2	104	4	1940	11	4	0	Y	1	0	2
683	001	13	Grn	91	4	1930	11	0	0	N	2	0	2	91	4	1930	11	0	0	N	2	0	2
683	018	11	Grn	75	3	1930	11	4	0	Y	1	0	84										
683	052	7	Grn	94	4	1930	11	3	0	Y	3	0	89	94	4	1930	11	3	0	Y	3	0	89
683	055	10	Grn	85	4	2012	2	2	1	Y	4	0	84										
683	067	24	Grn	85	4	2012	2	2	1	Y	4	0	84										
683	069	10	Grn	75	3	1935	11	0	0	N	4	0	2	75	3	1935	11	0	0	N	4	0	2

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
693	001	47	Grn	75	3	1917	11	4	2	Y	1	0	81	75	3	1917	11	4	2	Y	1	0	81
693	025	40	Grn	85	4	2005	2	2	1	Y	4	0	89	85	4	2005	2	2	1	Y	4	0	89
693	039	10	Grn			1992	5									1992	5						
693	041	36	Grn			1999	5									1999	5						
693	045	11	Grn			1996	5									1996	5						
693	048	16	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
693	049	7	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
693	050	13	Grn	85	4	2012	2	2	1	Y	4	1	84	85	4	2012	2	2	1	Y	4	1	84
693	051	9	Grn	75	3	1917	11	4	0	Y	1	0	83	75	3	1917	11	4	0	Y	1	0	83
693	053	4	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
693	054	9	Grn	75	3	1912	12	4	1	Y	1	0	83	75	3	1912	12	4	1	Y	1	0	83
693	056	18	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
693	059	16	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
693	060	9	Grn	75	3	1910	12	4	2	Y	1	3	84	75	3	1910	12	4	2	Y	1	3	84
693	062	7	Grn	75	3	1919	11	4	0	Y	1	0	84	75	3	1919	11	4	0	Y	1	0	84
693	064	2	Grn	75	3	1910	12	4	0	Y	1	0	84	75	3	1910	12	4	0	Y	1	0	84
695	013	26	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
695	025	39	Grn	85	4	2012	2	2	1	Y	4	1	89										
695	027	22	Grn			1998	5									1998	5						
695	030	17	Grn			1996	5									1996	5						
695	058	20	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
695	062	8	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
696	017	16	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
696	022	32	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
696	040	19	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
696	042	6	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
696	054	9	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
696	055	12	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
696	056	7	Sal	45	2	1919	11	2	4	Y	1	4	89	45	2	1919	11	2	4	Y	1	4	89
697	001	19	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
697	016	15	Grn	75	3	1921	11	4	3	Y	1	0	83	75	3	1921	11	4	3	Y	1	0	83
697	017	34	Grn	75	3	1924	11	3	4	Y	1	3	83	75	3	1924	11	3	4	Y	1	3	83
697	025	14	Grn	75	3	1918	11	3	4	Y	1	3	89	75	3	1918	11	3	4	Y	1	3	89
697	028	23	Grn	80	4	1919	11	2	4	Y	1	3	89	80	4	1919	11	2	4	Y	1	3	89
697	030	35	Grn	85	4	2005	2	2	1	Y	4	1	89	85	4	2005	2	2	1	Y	4	1	89
697	032	10	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
697	041	6	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
697	042	18	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
697	043	4	Grn			1998	5									1998	5						
697	055	19	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
697	059	10	Grn	85	4	2012	2	2	1	Y	4	1	84	85	4	2012	2	2	1	Y	4	1	84
697	065	12	Grn	85	4	2012	2	2	1	Y	4	1	89	78	3	1923	11	3	4	Y	1	3	89
697	066	4	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
697	067	6	Grn	35	1	1918	11	2	1	Y	4	1	83	35	1	1918	11	2	1	Y	4	1	83
697	068	14	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
697	070	13	Grn	83	4	1915	11	0	3	Y	3	0	83										
697	071	6	Grn	35	1	1922	11	2	1	Y	4	1	84										
697	073	10	Sal	65	3	1919	11	0	4	Y	1	3	89	65	3	1919	11	0	4	Y	1	3	89
697	075	3	Grn	75	3	1918	11	2	4	Y	4	3	83	75	3	1918	11	2	4	Y	4	3	83
697	076	6	Grn	75	3	1918	11	3	2	Y	1	0	83	75	3	1918	11	3	2	Y	1	0	83
698	009	22	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
698	010	7	Grn	75	3	1931	11	4	2	Y	1	3	2	75	3	1931	11	4	2	Y	1	3	2
698	017	11	Grn	82	4	1920	11	0	3	Y	1	3	89	82	4	1920	11	0	3	Y	1	3	89
698	020	41	Grn	85	4	2012	2	2	1	Y	4	1	84										
698	027	17	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
698	040	17	Grn	75	3	1915	11	0	4	Y	1	0	89	75	3	1915	11	0	4	Y	1	0	89

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
698	041	8	Grn	75	3	1923	11	2	4	Y	1	0	89	75	3	1923	11	2	4	Y	1	0	89
698	042	5	Grn			1998	5									1998	5						
698	043	16	Grn	85	4	2012	2	2	1	Y	4	1	84	85	4	2012	2	2	1	Y	4	1	84
698	052	14	Grn	96	4	1913	11	3	2	Y	1	0	81	96	4	1913	11	3	2	Y	1	0	81
698	056	5	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
698	062	18	Sal	65	3	1918	11	3	3	Y	4	0	83	65	3	1918	11	3	3	Y	4	0	83
698	063	14	Grn	75	3	1918	11	4	2	Y	1	0	83	75	3	1918	11	4	2	Y	1	0	83
698	064	17	Sal	65	3	1929	11	4	3	Y	1	0	89	65	3	1929	11	4	3	Y	1	0	89
698	065	10	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
698	066	7	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
698	067	8	Grn	87	4	1926	11	3	2	Y	1	3	89	87	4	1926	11	3	2	Y	1	3	89
698	068	17	Grn	86	4	1922	11	3	4	Y	2	0	89	86	4	1922	11	3	4	Y	2	0	89
698	069	12	Sal	65	3	1910	12	3	4	Y	3	3	89	65	3	1910	12	3	4	Y	3	3	89
698	070	28	Sal	80	4	1932	11	2	4	Y	1	3	89	80	4	1932	11	2	4	Y	1	3	89
699	003	13	Grn	95	4	1953	11	4	3	Y	1	0	2	95	4	1953	11	4	3	Y	1	0	2
699	005	3	Sal																				
699	010	6	Grn	86	4	1918	11	3	4	Y	1	3	89	86	4	1918	11	3	4	Y	1	3	89
699	018	16	Grn			1998	5									1998	5						
699	021	7	Cat	75	3	2012	2	2	1	Y	3	0	89	75	3	2012	2	2	1	Y	3	0	89
699	028	19	Grn			1990	5									1990	5						
699	030	28	Grn			1998	5									1998	5						
699	031	32	Grn	35	1	1887	12	2	1	Y	4	1	89	35	1	1887	12	2	1	Y	4	1	84
699	036	15	Grn			1998	5									1998	5						
699	043	20	Cat	75	3	2005	2	2	1	Y	3	1	89	75	3	2005	2	2	1	Y	3	1	89
699	050	13	Sal	60	3	1921	11	3	3	Y	2	4	84	60	3	1921	11	3	3	Y	2	4	84
699	051	32	Cat	75	3	2012	2	2	1	Y	3	1	84	75	3	2012	2	2	1	Y	3	1	84
699	052	5	Cat	75	3	2012	2	2	1	Y	3	0	89	34	1	1897	12	3	3	Y	1	0	89
699	053	29	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
699	054	3	Grn	75	3	1890	12	2	4	Y	1	0	83	75	3	1890	12	2	4	Y	1	0	83
699	055	2	Sal																				
700	123	5	Sal			1917	11									1917	11						
702	011	11	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
702	014	3	Sal																				
702	025	19	Grn			1996	5									1996	5						
702	027	1	Sal																				
702	028	1	Sal																				
702	029	1	Sal																				
702	034	5	Grn			1995	5									1995	5						
702	035	8	Grn	75	3	1945	11	0	0	N	2	0	16	75	3	1945	11	0	0	N	2	0	16
702	040	28	Grn			1996	5									1996	5						
702	041	22	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
702	055	19	Grn	85	4	1929	11	3	0	Y	1	0	16	85	4	1929	11	3	0	Y	1	0	16
702	060	20	Cat	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
702	075	6	Grn			1995	5									1995	5						
702	077	13	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
702	078	5	Grn			1995	5									1995	5						
702	079	4	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
702	084	6	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
702	090	11	Grn	85	4	1945	11	0	0	N	2	0	16	85	4	1945	11	0	0	N	2	0	16
702	091	4	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
702	092	2	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
702	093	12	Grn	85	4	1929	11	0	0	N	2	0	16	85	4	1929	11	0	0	N	2	0	16
702	094	10	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
702	095	5	Grn	75	3	1926	11	3	2	Y	1	3	89	75	3	1926	11	3	2	Y	1	3	89
703	008	1	Sal																				
703	009	1	Sal																				

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
703	022	35	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
703	027	10	Grn	82	4	1906	12	3	0	Y	2	3	89	82	4	1906	12	3	0	Y	2	3	89
703	035	54	Sal	65	3	1915	11	4	3	Y	1	3	89	65	3	1915	11	4	3	Y	1	3	89
703	039	4	Sal																				
703	041	10	Grn	85	4	2005	2	2	1	Y	4	0	83	85	4	2005	2	2	1	Y	4	0	83
703	042	22	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
703	057	8	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
703	059	3	Sal																				
703	060	6	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
703	062	2	Grn	55	2	1920	11	0	0	N	4	0	83	55	2	1920	11	0	0	N	4	0	83
703	063	3	Grn	88	4	1945	11	3	0	Y	1	0	16	88	4	1945	11	3	0	Y	1	0	16
706	033	40	Grn	75	3	1913	11	3	3	Y	4	3	89	75	3	1913	11	3	3	Y	4	3	89
706	034	21	Grn	75	3	1913	11	3	2	Y	4	0	89	75	3	1913	11	3	2	Y	4	0	89
706	043	28	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
706	044	25	Grn	75	3	1910	12	4	2	Y	2	3	83	75	3	1910	12	4	2	Y	2	3	83
706	045	10	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
706	046	15	Grn	84	4	1910	12	3	2	Y	4	4	89	84	4	1910	12	3	2	Y	4	4	89
706	047	9	Grn	85	4	2012	2	2	1	Y	4	1	56	85	4	2012	2	2	1	Y	4	1	56
706	048	8	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
707	006	33	Sal	65	3	1923	11	2	4	Y	1	0	89	65	3	1923	11	2	4	Y	1	0	89
707	007	12	Sal	65	3	1916	11	2	4	Y	1	0	89	65	3	1916	11	2	4	Y	1	0	89
707	014	17	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
707	015	14	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
707	016	7	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
707	019	22	Grn			1996	5						83	85	4	1996	5	2	0	Y	4	0	83
707	028	16	Grn	75	3	1934	11	4	0	Y	2	0	83										
707	032	18	Grn	75	3	1933	11	4	0	Y	1	0	83	75	3	1933	11	4	0	Y	1	0	83
707	036	16	Grn	75	3	1934	11	4	3	Y	1	0	89	75	3	1934	11	4	3	Y	1	0	89

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
707	040	10	Grn	75	3	1939	11	4	0	Y	1	0	83	75	3	1939	11	4	0	Y	1	0	83
707	044	33	Grn	85	4	2005	2	2	1	Y	4	0	89	85	4	2005	2	2	1	Y	4	0	89
707	046	8	Grn	78	3	1949	11	2	4	Y	1	3	89	78	3	1949	11	2	4	Y	1	3	89
707	047	10	Sal	65	3	1916	11	3	3	Y	1	0	89	65	3	1916	11	3	3	Y	1	0	89
707	048	16	Grn	75	3	1928	11	4	1	Y	1	0	83	75	3	1928	11	4	1	Y	1	0	83
707	050	18	Grn	80	4	1916	11	4	2	Y	1	0	83	80	4	1916	11	4	2	Y	1	0	83
707	051	3	Grn	75	3	1938	11	3	3	Y	3	0	89	75	3	1938	11	3	3	Y	3	0	89
707	052	6	Grn	82	4	1942	11	3	2	Y	1	0	84	82	4	1942	11	3	2	Y	1	0	84
707	053	8	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
707	055	4	Grn	75	3	1939	11	3	2	Y	4	0	89	75	3	1939	11	3	2	Y	4	0	89
707	056	12	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
707	057	5	Grn	85	4	2012	2	2	1	Y	4	0	83										
708	008	20	Grn	80	4	1912	12	3	3	Y	1	0	89	80	4	1912	12	3	3	Y	1	0	89
708	010	15	Grn	82	4	1912	12	3	3	Y	1	4	83	82	4	1912	12	3	3	Y	1	4	83
708	023	30	Grn			1998	5									1998	5						
708	027	22	Grn	85	4	2012	2	2	1	Y	4	1	84	85	4	2012	2	2	1	Y	4	1	84
708	033	17	Grn	75	3	1912	12	2	4	Y	1	3	81	75	3	1912	12	2	4	Y	1	3	81
708	037	15	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
708	038	20	Sal	65	3	1933	11	4	3	Y	1	3	89	65	3	1933	11	4	3	Y	1	3	89
708	041	8	Grn	78	3	1932	11	4	3	Y	1	0	89	78	3	1932	11	4	3	Y	1	0	89
708	042	10	Sal	65	3	1933	11	4	4	Y	1	4	89	65	3	1933	11	4	4	Y	1	4	89
708	043	5	Grn	82	4	1922	11	3	2	Y	1	3	89	82	4	1922	11	3	2	Y	1	3	89
709	003	17	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
709	010	28	Grn			1998	5									1998	5						
709	011	49	Sal	65	3	1900	12	4	4	Y	1	3	89	65	3	1900	12	4	4	Y	1	3	89
709	015	17	Sal	65	3	1894	12	4	4	Y	1	0	89	65	3	1894	12	4	4	Y	1	0	89
709	018	12	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
709	026	17	Sal	65	3	1894	12	4	3	Y	1	0	89	65	3	1894	12	4	3	Y	1	0	89

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
709	030	9	Sal	65	3	1896	12	0	4	Y	1	3	89	65	3	1896	12	0	4	Y	1	3	89
709	032	21	Sal	65	3	1898	12	4	3	Y	1	3	89	65	3	1898	12	4	3	Y	1	3	89
709	037	13	Grn	35	1	1888	12	2	1	Y	4	1	81	35	1	1888	12	2	1	Y	4	1	81
709	038	20	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
709	039	2	Grn	85	4	2012	2	2	1	Y	4	1	89										
709	040	3	Grn	85	4	2012	2	2	1	Y	4	0	89										
709	041	8	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
709	042	10	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
709	043	5	Sal	65	3	1900	12	2	4	Y	1	0	89	65	3	1900	12	2	4	Y	1	0	89
709	044	4	Grn	75	3	1902	12	4	3	Y	1	0	89	75	3	1902	12	4	3	Y	1	0	89
709	045	9	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
709	047	9	Grn	75	3	1907	12	3	4	Y	1	3	83	75	3	1907	12	3	4	Y	1	3	83
710	001	8	Cat	75	3	2012	2	2	1	Y	3	1	84	75	3	2012	2	2	1	Y	3	1	84
710	011	29	Grn			1997	5						83	75	3	1997	5	2	1	Y	4	1	83
710	016	16	Grn			1999	5									1999	5						
710	020	13	Grn			2001	5									2001	5						
710	023	16	Grn			1999	5									1999	5						
711	001	45	Grn			1999	5									1999	5						
711	006	17	Grn			1996	5									1996	5						
711	035	35	Grn	85	4	2012	2	2	1	Y	4	1	84	85	4	2012	2	2	1	Y	4	1	84
711	036	15	Sal	45	2	1915	11	2	4	Y	1	4	84	45	2	1915	11	2	4	Y	1	4	84
711	039	19	Grn			1998	5									1998	5						
711	048	7	Sal			1915	11									1915	11						
711	050	6	Grn	85	4	2012	2	2	1	Y	4	0	83										
711	051	11	Grn	85	4	2012	2	2	1	Y	4	0	83										
711	052	19	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
711	053	11	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
711	054	6	Cat	85	4	2005	2	2	1	Y	4	1	83	85	4	2005	2	2	1	Y	4	1	83

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
711	055	1	Cat	85	4	2005	2	2	1	Y	4	1	83	85	4	2005	2	2	1	Y	4	1	83
711	056	6	Grn	93	4	1910	12	3	2	Y	4	0	83										
712	003	4	Sal																				
712	006	10	Sal																				
712	007	15	Sal																				
712	008	5	Sal																				
712	013	4	Sal																				
712	014	1	Sal																				
712	015	20	Sal																				
712	016	1	Sal																				
712	018	1	Sal																				
712	019	2	Sal																				
712	021	10	Sal																				
712	023	1	Sal																				
712	025	3	Sal																				
712	026	4	Sal																				
712	029	20	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
712	030	3	Cat	85	4	2005	2	2	1	Y	4	1	89	85	4	2005	2	2	1	Y	4	1	89
712	031	7	Cat	75	3	2012	2	2	1	Y	3	1	83	75	3	2012	2	2	1	Y	3	1	83
712	032	6	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
712	033	2	Cat	75	3	2005	2	2	1	Y	3	1	83	75	3	2005	2	2	1	Y	3	1	83
712	034	7	Cat	75	3	2012	2	2	1	Y	3	1	83	75	3	2012	2	2	1	Y	3	1	83
713	004	44	Grn	75	3	1920	11	4	3	Y	1	3	84	75	3	1920	11	4	3	Y	1	3	84
713	031	17	Grn			1997	5									1997	5						
713	037	2	Grn			1999	5									1999	5						
713	041	14	Grn			1997	5									1997	5						
846	096	5	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
847	018	8	Sal	45	2	1895	12	3	4	Y	1	0	89	45	2	1895	12	3	4	Y	1	0	89

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
847	032	8	Sal	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
847	040	8	Grn			1995	5									1995	5						
848	025	14	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
849	001	13	Sal	65	3	1920	11	4	3	Y	2	0	89	65	3	1920	11	4	3	Y	2	0	89
850	032	16	Grn			2000	5									2000	5						
850	035	19	Grn			2000	5									2000	5						
850	040	9	Grn	74	3	1910	12	2	1	Y	1	0	89	74	3	1910	12	2	1	Y	1	0	89
850	043	11	Sal	65	3	1906	12	3	3	Y	1	4	89	65	3	1906	12	3	3	Y	1	4	89
850	045	4	Sal																				
850	049	24	Cat	85	4	2005	2	2	2	Y	3	1	83	85	4	2005	2	2	2	Y	3	1	83
850	052	2	Sal	91	4	1940	11	4	3	Y	1	0	2	91	4	1940	11	4	3	Y	1	0	2
850	058	5	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
850	059	19	Sal	65	3	1903	12	0	0	N	4	0	89	65	3	1903	12	0	0	N	4	0	89
850	060	6	Sal	65	3	1900	12	4	1	Y	1	0	84	65	3	1900	12	4	1	Y	1	0	84
850	061	17	Grn	75	3	1889	12	4	1	Y	1	3	89	75	3	1889	12	4	1	Y	1	3	89
850	072	8	Grn	82	4	1900	12	2	1	Y	3	4	89	82	4	1900	12	2	1	Y	3	4	89
850	079	9	Grn	106	4	1936	11	2	1	Y	1	3	89	106	4	1936	11	2	1	Y	1	3	89
850	080	3	Sal																				
850	082	3	Cat	75	3	2005	2	2	1	Y	3	0	84	75	3	2005	2	2	1	Y	3	0	84
850	083	3	Cat	75	3	2005	2	2	1	Y	3	0	84	75	3	2005	2	2	1	Y	3	0	84
850	084	4	Cat																				
850	085	3	Cat	75	3	2012	2	2	1	Y	3	0	83	75	3	2012	2	2	1	Y	3	0	83
850	086	6	Cat	75	3	2005	2	2	1	Y	3	0	89	75	3	2005	2	2	1	Y	3	0	89
850	087	4	Cat	75	3	2005	2	2	1	Y	3	1	84	75	3	2005	2	2	1	Y	3	1	84
858	004	10	Sal			1998	5									1998	5						
858	010	1	Sal																				
858	014	2	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
858	017	12	Cat	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
858	019	13	Sal	65	3	1902	12	4	3	Y	1	3	83	65	3	1902	12	4	3	Y	1	3	83
858	027	20	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
858	028	29	Cat	75	3	2012	2	2	1	Y	3	1	83	75	3	2012	2	2	1	Y	3	1	83
858	029	11	Sal	65	3	1907	12	3	3	Y	1	4	84	65	3	1907	12	3	3	Y	1	4	84
858	033	7	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
858	038	8	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
858	040	20	Grn	79	3	1897	12	2	1	Y	1	3	81	79	3	1897	12	2	1	Y	1	3	81
859	001	14	Grn			1997	5									1997	5						
859	008	12	Sal	45	2	1911	12	4	1	Y	1	3	89	45	2	1911	12	4	1	Y	1	3	89
859	013	22	Sal	65	3	1915	11	4	0	Y	1	0	89	65	3	1915	11	4	0	Y	1	0	89
859	017	7	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
859	033	27	Cat	75	3	2012	2	2	1	Y	3	0	83	75	3	2012	2	2	1	Y	3	0	83
859	042	4	Sal																				
859	056	4	Cat	75	3	2005	2	2	1	Y	3	0	83	75	3	2005	2	2	1	Y	3	0	83
859	057	10	Sal	75	3	2012	2	2	1	Y	3	0	83	75	3	2012	2	2	1	Y	3	0	83
859	058	5	Cat	75	3	2005	2	2	1	Y	3	0	83	75	3	2005	2	2	1	Y	3	0	83
860	002	12	Grn			1997	5									1997	5						
860	009	10	Sal																				
860	018	9	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
860	023	8	Sal	81	4	1907	12	3	3	Y	1	3	81	81	4	1907	12	3	3	Y	1	3	81
860	027	20	Cat	75	3	2012	2	2	1	Y	3	1	83	75	3	2012	2	2	1	Y	3	1	83
860	029	8	Grn			1998	5									1998	5						
860	031	10	Cat	75	3	2012	2	2	1	Y	3	0	83	75	3	2012	2	2	1	Y	3	0	83
860	034	11	Cat	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
860	036	26	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
860	038	9	Cat	75	3	2012	2	2	1	Y	3	1	83	75	3	2012	2	2	1	Y	3	1	83
861	010	26	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
861	012	17	Grn			1997	5									1997	5						

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
861	029	26	Grn			1998	5									1998	5						
861	035	9	Grn			1998	5									1998	5						
861	041	9	Cat	75	3	2012	2	2	1	Y	3	1	84	75	3	2012	2	2	1	Y	3	1	84
861	043	20	Grn			1997	5									1997	5						
861	044	30	Cat	75	3	2012	2	2	1	Y	3	1	84	75	3	2012	2	2	1	Y	3	1	84
861	045	22	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
861	046	20	Cat	75	3	2012	2	2	1	Y	3	1	84	75	3	2012	2	2	1	Y	3	1	84
861	047	7	Cat	75	3	2012	2	2	1	Y	3	1	84	75	3	2012	2	2	1	Y	3	1	84
862	005	12	Grn			1991	5									1991	5						
862	018	40	Cat	85	4	2005	2	2	1	Y	4	1	83	85	4	2005	2	2	1	Y	4	1	83
862	021	10	Grn	85	4	2012	2	2	1	Y	4	1	84	85	4	2012	2	2	1	Y	4	1	84
863	003	10	Sal																				
863	005	8	Sal																				
863	006	18	Grn			1999	5									1999	5						
863	008	8	Cat	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
863	009	20	Cat	85	4	2005	2	2	1	Y	4	1	89	85	4	2005	2	2	1	Y	4	1	89
863	011	4	Cat	75	3	2012	2	2	1	Y	3	1	83	75	3	2012	2	2	1	Y	3	1	83
863	015	10	Sal																				
863	026	3	Sal																				
863	029	11	Cat	85	4	2005	2	2	3	Y	4	1	89	85	4	2005	2	2	3	Y	4	1	89
863	034	13	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
863	041	5	Sal	65	3	1911	12	4	3	Y	1	0	89	65	3	1911	12	4	3	Y	1	0	89
863	048	2	Sal																				
863	049	8	Sal																				
863	050	6	Sal																				
863	051	20	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
863	053	2	Sal																				
863	056	25	Cat	75	3	2012	2	4	3	Y	3	1	89	75	3	2012	2	4	3	Y	3	1	89

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
863	063	9	Sal	85	4	2005	2	2	4	Y	4	1	83	85	4	2005	2	2	4	Y	4	1	83
863	064	3	Sal																				
863	078	9	Grn			1998	5									1998	5						
863	080	10	Sal	81	4	1918	11	3	3	Y	1	3	89	81	4	1918	11	3	3	Y	1	3	89
863	081	3	Sal																				
863	084	3	Sal																				
863	089	6	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
875	008	14	Cat	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
875	009	25	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
876	008	6	Cat	75	3	2012	2	2	1	Y	3	1	89	75	3	2012	2	2	1	Y	3	1	89
876	009	17	Grn	76	3	1925	11	0	3	Y	1	3	81	76	3	1925	11	0	3	Y	1	3	81
876	013	11	Grn			1997	5									1997	5						
876	014	3	Grn			1996	5									1996	5						
876	015	20	Grn			1997	5									1997	5						
876	016	14	Grn			1997	5									1997	5						
876	034	22	Grn			1997	5									1997	5						
877	002	22	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
877	006	17	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
877	007	29	Grn			1994	5									1994	5						
877	011	17	Grn			1998	5									1998	5						
877	015	42	Grn			1995	5									1995	5						
877	016	17	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
877	052	19	Grn			1998	5									1998	5						
877	053	13	Grn			1998	5									1998	5						
877	073	24	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
879	007	13	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
879	021	19	Grn	85	4	2012	2	2	1	Y	4	1	83										
879	045	7	Sal	65	3	1926	11	4	3	Y	1	4	84	65	3	1926	11	4	3	Y	1	4	84

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
891	002	7	Grn			1993	5									1993	5						
891	003	9	Grn			1993	5									1993	5						
891	005	8	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
891	006	9	Sal			1919	11									1919	11						
891	007	20	Grn	75	3	1917	11	4	1	Y	1	4	89	75	3	1917	11	4	1	Y	1	4	89
891	011	23	Grn	85	4	2005	2	2	1	Y	4	1	83	85	4	2005	2	2	1	Y	4	1	83
891	012	27	Sal			1918	11									1918	11						
891	015	9	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
891	018	38	Sal			1919	11									1919	11						
891	024	33	Sal			1914	11									1914	11						
891	027	11	Grn	85	4	2012	2	2	1	Y	4	1	89	85	4	2012	2	2	1	Y	4	1	89
891	031	20	Sal			1925	11									1925	11						
891	034	26	Grn	75	3	1915	11	4	1	Y	1	4	89	75	3	1915	11	4	1	Y	1	4	89
891	035	24	Grn	85	4	2012	2	2	1	Y	4	0	83	85	4	2012	2	2	1	Y	4	0	83
891	037	31	Grn	75	3	1912	12	4	1	Y	1	3	84	75	3	1912	12	4	1	Y	1	3	84
891	047	17	Grn			1994	5						83	75	3	1994	5	2	1	Y	3	1	83
891	050	18	Sal			1915	11									1915	11						
891	054	14	Sal			1920	11									1920	11						
891	055	12	Grn			1993	5						83	75	3	1993	5	4	1	Y	3	0	83
891	058	3	Grn			1993	5									1993	5						
891	063	9	Sal			1918	11									1918	11						
891	064	4	Sal			1923	11									1923	11						
891	065	16	Sal			1915	11									1915	11						
891	067	4	Cat	75	3	2012	2	2	1	Y	3	0	84	75	3	2012	2	2	1	Y	3	0	84
891	069	23	Sal			1914	11									1914	11						
891	070	7	Grn	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
891	071	7	Grn	75	3	1942	11	2	0	Y	4	3	83	75	3	1942	11	2	0	Y	4	3	83
891	072	5	Grn	75	3	1909	12	4	0	Y	1	3	83	75	3	1909	12	4	0	Y	1	3	83

Stand Identification				Alternative 2 Outcomes (Year 2023)										Alternative 3 Outcomes (Year 2023)									
Compartment	Stand	Acre	Objective	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
892	026	12	Grn	35	1	1923	11	2	1	Y	4	1	89										
892	029	8	Grn	85	4	2012	2	2	1	Y	4	0	89	85	4	2012	2	2	1	Y	4	0	89
892	031	20	Grn			1984	5									1984	5						
892	034	10	Grn	75	3	1928	11	3	2	Y	2	0	83	75	3	1928	11	3	2	Y	2	0	83
892	036	8	Sal			1929	11									1929	11						
892	038	7	Grn	85	4	2012	2	2	1	Y	4	1	83	31	1	1918	11	3	2	Y	4	3	83
892	043	11	Sal			1921	11									1921	11						
892	045	20	Sal			1931	11									1931	11						
892	047	9	Cat	85	4	2012	2	2	1	Y	4	0	83	24	1	1923	11	4	2	Y	4	0	83
892	052	19	Sal	65	3	1928	11							65	3	1928	11						
892	054	15	Grn	75	3	1923	11	4	1	Y	1	0	83	75	3	1923	11	4	1	Y	1	0	83
892	055	4	Grn	85	4	2012	2	2	1	Y	4	0	84	85	4	2012	2	2	1	Y	4	0	84
892	060	14	Grn	75	3	1928	11	4	2	Y	1	0	83	75	3	1928	11	4	2	Y	1	0	83
892	064	11	Sal			1931	11									1931	11						
893	054	4	Sal	85	4	2012	2	2	1	Y	4	1	83	85	4	2012	2	2	1	Y	4	1	83
904	005	24	Grn	75	3	1909	12	0	2	Y	1	0	55	75	3	1909	12	0	2	Y	1	0	55
904	006	10	Sal	65	3	1911	12	2	3	Y	4	0	55	65	3	1911	12	2	3	Y	4	0	55
904	014	9	Grn	85	4	2012	2	2	1	Y	4	0	55	85	4	2012	2	2	1	Y	4	0	55

Table 15: Outcomes by Alternative (Continued)

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
672	082	2	Grn	135	4	1940	11	3	1	Y	1	4	2
673	015	32	Grn	101	4	1940	11	4	1	Y	1	0	2
673	019	12	Sal	105	4	1940	11	4	1	Y	1	0	2
673	042	1	Sal			1988	5						
673	060	12	Sal	154	4	1943	11	3	1	Y	2	4	2
673	064	9	Grn	135	4	1943	11	4	0	Y	1	0	2
673	095	16	Grn	75	3	1922	11	2	1	Y	3	0	84
673	097	7	Grn	63	3	1922	11	4	1	Y	2	0	83
673	101	8	Grn	62	3	1921	11	4	2	Y	1	0	84
673	102	10	Grn	75	3	1926	11	2	2	Y	3	3	89
673	103	10	Grn	75	3	1927	11	2	2	Y	3	0	89
673	104	3	Sal	131	4	1941	11	1	0	N	4	0	2
673	105	11	Cat	43	2	1941	11	2	0	Y	2	1	2
673	106	5	Grn	139	4	1941	11	4	0	Y	1	0	2
673	107	20	Grn	118	4	1941	11	3	0	Y	1	4	2
673	110	7	Cat	43	2	1925	11	2	0	Y	1	0	2
673	111	8	Grn	104	4	1927	11	2	2	Y	3	0	89
680	056	7	Sal	126	4	1940	11	4	1	Y	1	4	2
680	057	6	Grn	141	4	1930	11	3	3	Y	1	4	2
681	006	27	Grn			1986	5	2		Y			
681	014	17	Grn	75	3	1925	11	2	2	Y	3	3	89
681	046	23	Grn	94	4	1925	11	4	1	Y	2	4	83
681	052	5	Grn	75	3	1915	11	3	1	Y	2	0	84
682	001	19	Grn	127	4	1920	11	3	0	Y	2	0	2
682	014	30	Grn			1918	11	2		Y			
682	019	17	Grn	137	4	1946	11	4	0	Y	1	0	2
682	021	18	Grn	123	4	1948	11	4	0	Y	1	0	2
682	035	3	Grn	114	4	1912	12	4	0	Y	2	0	2
682	036	9	Grn	103	4	1920	11	4	0	Y	1	0	2
682	037	52	Grn	105	4	1945	11	4	0	Y	1	0	2
682	039	25	Cat	12	0	1945	11	2	0	Y	3	0	16
682	040	9	Cat	12	0	1945	11	2	0	Y	3	0	16
682	044	6	Grn	123	4	1945	11	4	0	Y	1	3	2
682	045	9	Grn	67	3	1915	11	4	0	Y	2	0	89
682	046	18	Grn	138	4	1940	11	4	0	Y	1	0	2
683	001	13	Grn	119	4	1930	11	1	0	N	4	0	2
683	018	11	Grn	87	4	1930	11	4	0	Y	1	0	84
683	052	7	Grn	94	4	1930	11	2	0	Y	4	0	89
683	055	10	Grn	63	3	1925	11	4	0	Y	1	0	84
683	067	24	Grn	75	3	1921	11	2	2	Y	3	0	84
683	069	10	Grn	107	4	1935	11	1	0	N	4	0	2
693	001	47	Grn	75	3	1917	11	2	1	Y	3	0	81

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
693	025	40	Grn	75	3	1911	12	2	0	Y	4	0	89
693	039	10	Grn			1992	5						
693	041	36	Grn			1999	5						
693	045	11	Grn			1996	5						
693	048	16	Grn	75	3	1910	12	2	0	Y	3	0	83
693	049	7	Grn	82	4	1915	11	4	0	Y	2	0	84
693	050	13	Grn	105	4	1912	12	3	1	Y	1	4	84
693	051	9	Grn	78	3	1917	11	4	0	Y	1	0	83
693	053	4	Grn	64	3	1917	11	2	4	Y	3	4	89
693	054	9	Grn	92	4	1912	12	4	1	Y	1	0	83
693	056	18	Grn	96	4	1912	12	4	0	Y	1	3	89
693	059	16	Grn	67	3	1917	11	2	4	Y	3	4	89
693	060	9	Grn	95	4	1910	12	4	1	Y	1	3	84
693	062	7	Grn	100	4	1919	11	4	0	Y	1	0	84
693	064	2	Grn	77	3	1910	12	4	0	Y	1	0	84
695	013	26	Grn	75	3	1900	12	2	4	Y	4	0	83
695	025	39	Grn	75	3	1910	12	2	3	Y	3	4	89
695	027	22	Grn			1998	5						
695	030	17	Grn			1996	5						
695	058	20	Grn	59	2	1902	12	2	3	Y	3	0	89
695	062	8	Grn	75	3	1910	12	2	3	Y	3	3	89
696	017	16	Grn	36	1	1923	11	3	3	Y	2	4	89
696	022	32	Grn	65	3	1916	11	3	4	Y	2	4	89
696	040	19	Grn	75	3	1909	12	2	2	Y	3	0	89
696	042	6	Grn	80	4	1916	11	3	0	Y	3	4	83
696	054	9	Grn	59	2	1921	11	3	2	Y	3	0	83
696	055	12	Grn	96	4	1928	11	2	1	Y	3	4	83
696	056	7	Sal	43	2	1919	11	2	4	Y	3	4	89
697	001	19	Grn	101	4	1920	11	4	2	Y	2	4	83
697	016	15	Grn	97	4	1921	11	4	2	Y	1	0	83
697	017	34	Grn	75	3	1924	11	2	4	Y	3	3	83
697	025	14	Grn	107	4	1918	11	3	4	Y	1	3	89
697	028	23	Grn	80	4	1919	11	2	3	Y	3	3	89
697	030	35	Grn	81	4	1921	11	2	2	Y	4	4	89
697	032	10	Grn	84	4	1915	11	2	3	Y	1	3	89
697	041	6	Grn	58	2	1904	12	3	4	Y	1	0	83
697	042	18	Grn	104	4	1916	11	4	1	Y	1	0	89
697	043	4	Grn			1998	5						
697	055	19	Grn	78	3	1914	11	4	2	Y	1	0	83
697	059	10	Grn	95	4	1920	11	4	2	Y	1	3	84
697	065	12	Grn	109	4	1923	11	3	4	Y	1	3	89
697	066	4	Grn	80	4	1918	11	2	3	Y	4	3	89
697	067	6	Grn	75	3	1918	11	2	3	Y	3	0	83
697	068	14	Grn	75	3	1912	12	2	1	Y	3	3	83

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
697	070	13	Grn	83	4	1915	11	1	2	Y	3	0	83
697	071	6	Grn	94	4	1922	11	3	2	Y	3	0	84
697	073	10	Sal	65	3	1919	11	1	4	Y	1	3	89
697	075	3	Grn	75	3	1918	11	2	3	Y	4	3	83
697	076	6	Grn	75	3	1918	11	2	1	Y	3	0	83
698	009	22	Grn	66	3	1912	12	2	2	Y	3	4	89
698	010	7	Grn	75	3	1931	11	2	1	Y	3	3	2
698	017	11	Grn	82	4	1920	11	1	2	Y	1	3	89
698	020	41	Grn	81	4	1915	11	2	3	Y	1	4	84
698	027	17	Grn	79	3	1919	11	4	1	Y	1	0	84
698	040	17	Grn	75	3	1915	11	1	3	Y	1	0	89
698	041	8	Grn	75	3	1923	11	2	3	Y	1	0	89
698	042	5	Grn			1998	5						
698	043	16	Grn	81	4	1929	11	3	2	Y	1	4	84
698	052	14	Grn	96	4	1913	11	2	1	Y	3	0	81
698	056	5	Grn	76	3	1922	11	4	2	Y	1	0	84
698	062	18	Sal	65	3	1918	11	2	1	Y	4	0	83
698	063	14	Grn	75	3	1918	11	2	2	Y	3	0	83
698	064	17	Sal	65	3	1929	11	2	2	Y	3	0	89
698	065	10	Grn	75	3	1920	11	2	4	Y	3	0	89
698	066	7	Grn	75	3	1922	11	2	3	Y	3	4	83
698	067	8	Grn	87	4	1926	11	2	1	Y	3	3	89
698	068	17	Grn	86	4	1922	11	2	3	Y	3	0	89
698	069	12	Sal	65	3	1910	12	2	3	Y	4	3	89
698	070	28	Sal	80	4	1932	11	2	4	Y	3	3	89
699	003	13	Grn	125	4	1953	11	4	2	Y	1	0	2
699	005	3	Sal										
699	010	6	Grn	86	4	1918	11	2	4	Y	3	3	89
699	018	16	Grn			1998	5						
699	021	7	Cat	-21	0	1904	12	2	3	Y	3	0	89
699	028	19	Grn	80	4	1990	5	2	3	Y	4	4	
699	030	28	Grn			1998	5						
699	031	32	Grn	40	1	1887	12	2	4	Y	3	4	89
699	036	15	Grn			1998	5						
699	043	20	Cat	20	1	1925	11	2	1	Y	2	4	89
699	050	13	Sal	60	3	1921	11	4	4	Y	2	4	83
699	051	32	Cat	25	1	1921	11	2	3	Y	1	0	84
699	052	5	Cat	34	1	1897	12	4	3	Y	1	0	89
699	053	29	Grn	75	3	1890	12	2	4	Y	3	3	89
699	054	3	Grn	101	4	1890	12	2	4	Y	1	0	83
699	055	2	Sal										
700	123	5	Sal			1917	11						
702	011	11	Grn	75	3	1913	11	2	2	Y	3	0	89
702	014	3	Sal										

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
702	025	19	Grn			1996	5						
702	027	1	Sal										
702	028	1	Sal										
702	029	1	Sal										
702	034	5	Grn			1995	5						
702	035	8	Grn	100	4	1945	11	1	0	N	4	0	16
702	040	28	Grn			1996	5						
702	041	22	Grn	75	3	1911	12	2	3	Y	3	0	89
702	055	19	Grn	110	4	1929	11	3	0	Y	2	0	16
702	060	20	Cat	29	1	1914	11	2	3	Y	4	0	83
702	075	6	Grn			1995	5						
702	077	13	Grn	74	3	1928	11	4	2	Y	4	0	84
702	078	5	Grn			1995	5						
702	079	4	Grn	90	4	1915	11	4	2	Y	1	0	84
702	084	6	Grn	89	4	1915	11	4	2	Y	1	0	84
702	090	11	Grn	110	4	1945	11	1	0	N	4	0	16
702	091	4	Grn	75	3	1906	12	2	4	Y	3	0	83
702	092	2	Grn	75	3	1910	12	2	3	Y	3	0	83
702	093	12	Grn	110	4	1929	11	1	0	N	4	0	16
702	094	10	Grn	43	2	1929	11	2	2	Y	3	3	89
702	095	5	Grn	80	4	1926	11	3	2	Y	1	3	89
703	008	1	Sal										
703	009	1	Sal										
703	022	35	Grn	78	3	1920	11	1	2	N	4	3	89
703	027	10	Grn	82	4	1906	12	3	0	Y	2	3	89
703	035	54	Sal	95	4	1915	11	4	1	Y	1	3	89
703	039	4	Sal										
703	041	10	Grn	72	3	1920	11	2	2	Y	4	0	83
703	042	22	Grn	75	3	1909	12	2	2	Y	4	0	89
703	057	8	Grn	75	3	1910	12	2	3	Y	4	0	83
703	059	3	Sal										
703	060	6	Grn	96	4	1915	11	2	1	Y	4	0	83
703	062	2	Grn	72	3	1920	11	1	0	N	4	0	83
703	063	3	Grn	115	4	1945	11	3	0	Y	2	0	16
706	033	40	Grn	86	4	1913	11	3	3	Y	4	3	89
706	034	21	Grn	105	4	1913	11	3	1	Y	4	0	89
706	043	28	Grn	97	4	1910	12	4	1	Y	1	0	89
706	044	25	Grn	104	4	1910	12	4	2	Y	2	3	83
706	045	10	Grn	98	4	1905	12	4	0	Y	4	3	89
706	046	15	Grn	108	4	1910	12	3	1	Y	4	4	89
706	047	9	Grn	95	4	1910	12	4	2	Y	4	4	56
706	048	8	Grn	85	4	1910	12	3	3	Y	4	0	83
707	006	33	Sal	65	3	1923	11	2	4	Y	1	0	89
707	007	12	Sal	65	3	1916	11	2	4	Y	3	0	89

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
707	014	17	Grn	75	3	1922	11	2	2	Y	3	4	89
707	015	14	Grn	75	3	1922	11	2	2	Y	3	0	89
707	016	7	Grn	81	4	1916	11	4	0	Y	1	0	83
707	019	22	Grn	15	0	1996	5	2	0	Y	3	0	83
707	028	16	Grn	97	4	1934	11	4	0	Y	2	0	83
707	032	18	Grn	84	4	1933	11	4	0	Y	1	0	83
707	036	16	Grn	75	3	1934	11	2	3	Y	3	0	89
707	040	10	Grn	103	4	1939	11	4	0	Y	1	0	83
707	044	33	Grn	68	3	1909	12	2	4	Y	4	0	89
707	046	8	Grn	78	3	1949	11	2	3	Y	1	3	89
707	047	10	Sal	65	3	1916	11	2	3	Y	3	0	89
707	048	16	Grn	75	3	1928	11	2	1	Y	3	0	83
707	050	18	Grn	80	4	1916	11	2	1	Y	3	0	83
707	051	3	Grn	75	3	1938	11	2	3	Y	4	0	89
707	052	6	Grn	105	4	1942	11	3	1	Y	1	0	84
707	053	8	Grn	75	3	1923	11	2	3	Y	3	0	89
707	055	4	Grn	103	4	1939	11	3	1	Y	4	0	89
707	056	12	Grn	80	4	1926	11	4	0	Y	1	4	89
707	057	5	Grn	107	4	1925	11	4	0	Y	4	0	83
708	008	20	Grn	80	4	1912	12	2	2	Y	3	0	89
708	010	15	Grn	82	4	1912	12	2	2	Y	3	4	83
708	023	30	Grn			1998	5						
708	027	22	Grn	75	3	1914	11	2	3	Y	1	4	84
708	033	17	Grn	75	3	1912	12	2	4	Y	1	3	81
708	037	15	Grn	75	3	1914	11	3	2	Y	1	0	89
708	038	20	Sal	65	3	1933	11	2	3	Y	3	3	89
708	041	8	Grn	78	3	1932	11	2	2	Y	3	0	89
708	042	10	Sal	65	3	1933	11	2	4	Y	3	4	89
708	043	5	Grn	82	4	1922	11	3	1	Y	1	3	89
709	003	17	Grn	75	3	1890	12	2	4	Y	3	0	89
709	010	28	Grn			1998	5						
709	011	49	Sal	65	3	1900	12	2	4	Y	3	3	89
709	015	17	Sal	65	3	1894	12	2	4	Y	3	0	89
709	018	12	Grn	82	4	1897	12	3	2	Y	1	4	89
709	026	17	Sal	65	3	1894	12	2	3	Y	3	0	89
709	030	9	Sal	65	3	1896	12	1	4	Y	1	3	89
709	032	21	Sal	65	3	1898	12	2	3	Y	3	3	89
709	037	13	Grn	75	3	1888	12	2	4	Y	3	3	81
709	038	20	Grn	75	3	1884	12	2	3	Y	3	4	89
709	039	2	Grn	38	1	1884	12	4	3	Y	2	4	89
709	040	3	Grn	75	3	1893	12	2	4	Y	3	0	89
709	041	8	Grn	75	3	1887	12	1	4	Y	1	3	89
709	042	10	Grn	75	3	1894	12	2	3	Y	3	4	89
709	043	5	Sal	65	3	1900	12	2	4	Y	3	0	89

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
709	044	4	Grn	75	3	1902	12	2	2	Y	3	0	89
709	045	9	Grn	75	3	1897	12	2	2	Y	3	4	89
709	047	9	Grn	75	3	1907	12	2	3	Y	3	3	83
710	001	8	Cat	21	1	1911	12	2	2	Y	1	3	84
710	011	29	Grn	20	1	1997	5	2	3	Y	2	4	83
710	016	16	Grn			1999	5						
710	020	13	Grn			2001	5						
710	023	16	Grn			1999	5						
711	001	45	Grn			1999	5						
711	006	17	Grn			1996	5						
711	035	35	Grn	33	1	1915	11	2	4	Y	1	4	84
711	036	15	Sal	33	1	1915	11	2	4	Y	1	4	84
711	039	19	Grn			1998	5						
711	048	7	Sal			1915	11						
711	050	6	Grn	102	4	1910	12	3	1	Y	4	0	83
711	051	11	Grn	75	3	1910	12	2	3	Y	3	0	83
711	052	19	Grn	75	3	1900	12	2	4	Y	3	4	89
711	053	11	Grn	75	3	1910	12	2	2	Y	4	4	89
711	054	6	Cat	34	1	1897	12	2	3	Y	4	4	83
711	055	1	Cat	29	1	1904	12	3	2	Y	4	3	83
711	056	6	Grn	122	4	1910	12	3	1	Y	4	0	83
712	003	4	Sal										
712	006	10	Sal										
712	007	15	Sal										
712	008	5	Sal										
712	013	4	Sal										
712	014	1	Sal										
712	015	20	Sal										
712	016	1	Sal										
712	018	1	Sal										
712	019	2	Sal										
712	021	10	Sal										
712	023	1	Sal										
712	025	3	Sal										
712	026	4	Sal										
712	029	20	Cat	15	0	1905	12	2	2	Y	2	4	89
712	030	3	Cat	15	0	1890	12	2	2	Y	3	4	89
712	031	7	Cat	20	1	1920	11	2	2	Y	2	4	83
712	032	6	Cat	40	1	1908	12	2	2	Y	2	4	89
712	033	2	Cat	10	1	1908	12	2	2	Y	2	0	83
712	034	7	Cat	20	1	1908	12	2	2	Y	2	0	83
713	004	44	Grn	102	4	1920	11	4	2	Y	1	3	84
713	031	17	Grn			1997	5						
713	037	2	Grn			1999	5						

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
713	041	14	Grn			1997	5						
846	096	5	Grn	96	4	1909	12	4	2	Y	1	0	84
847	018	8	Sal	44	2	1895	12	2	4	Y	3	0	89
847	032	8	Sal	58	2	1900	12	2	3	Y	3	0	89
847	040	8	Grn			1995	5						
848	025	14	Grn	75	3	1914	11	2	3	Y	3	4	83
849	001	13	Sal	78	3	1920	11	4	2	Y	2	0	89
850	032	16	Grn			2000	5						
850	035	19	Grn			2000	5						
850	040	9	Grn	75	3	1910	12	2	1	Y	3	0	89
850	043	11	Sal	65	3	1906	12	2	2	Y	3	4	89
850	045	4	Sal										
850	049	24	Cat										
850	052	2	Sal	91	4	1940	11	2	2	Y	3	0	2
850	058	5	Cat										
850	059	19	Sal	65	3	1903	12	2	0	Y	4	0	89
850	060	6	Sal	88	4	1900	12	4	1	Y	1	0	84
850	061	17	Grn	98	4	1889	12	2	1	Y	3	3	89
850	072	8	Grn	82	4	1900	12	2	2	Y	4	4	89
850	079	9	Grn	106	4	1936	11	2	1	Y	3	4	89
850	080	3	Sal										
850	082	3	Cat										
850	083	3	Cat										
850	084	4	Cat										
850	085	3	Cat	34	1	1900	12	2	3	Y	4	1	83
850	086	6	Cat										
850	087	4	Cat										
858	004	10	Sal			1998	5						
858	010	1	Sal										
858	014	2	Grn	90	4	1911	12	2	4	Y	3	4	83
858	017	12	Cat	41	2	1912	12	2	1	Y	2	0	83
858	019	13	Sal	60	3	1902	12	4	3	Y	1	3	83
858	027	20	Cat										
858	028	29	Cat	35	1	1901	12	2	4	Y	3	4	83
858	029	11	Sal	71	3	1907	12	3	2	Y	1	4	84
858	033	7	Grn	131	4	1900	12	2	2	Y	2	4	83
858	038	8	Grn	75	3	1921	11	2	3	Y	3	3	89
858	040	20	Grn	79	3	1897	12	2	3	Y	3	3	81
859	001	14	Grn			1997	5						
859	008	12	Sal	45	2	1911	12	4	1	Y	1	3	89
859	013	22	Sal	72	3	1915	11	4	0	Y	3	0	89
859	017	7	Grn	70	3	1914	11	2	1	Y	3	0	83
859	033	27	Cat	68	3	1910	12	2	0	Y	4	0	83
859	042	4	Sal										

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
859	056	4	Cat										
859	057	10	Sal	57	2	1900	12	2	1	Y	4	0	83
859	058	5	Cat										
860	002	12	Grn			1997	5						
860	009	10	Sal										
860	018	9	Grn	126	4	1898	12	4	2	Y	3	0	83
860	023	8	Sal	81	4	1907	12	2	1	Y	3	3	81
860	027	20	Cat	20	1	1908	12	2	3	Y	4	4	83
860	029	8	Grn			1998	5						
860	031	10	Cat	20	1	1910	12	2	2	Y	2	0	83
860	034	11	Cat	40	1	1910	12	2	2	Y	2	3	83
860	036	26	Grn	66	3	1898	12	4	1	Y	2	0	89
860	038	9	Cat	35	1	1910	12	2	3	Y	4	4	83
861	010	26	Cat										
861	012	17	Grn			1997	5						
861	029	26	Grn			1998	5						
861	035	9	Grn			1998	5						
861	041	9	Cat	40	1	1893	12	2	1	Y	3	4	84
861	043	20	Grn			1997	5						
861	044	30	Cat	38	1	1907	12	2	3	Y	4	4	84
861	045	22	Cat										
861	046	20	Cat	30	1	1907	12	2	1	Y	3	4	84
861	047	7	Cat	35	1	1907	12	2	1	Y	2	1	84
862	005	12	Grn			1991	5						
862	018	40	Cat	45	2	1920	11	3	2	Y	4	0	83
862	021	10	Grn	75	3	1905	12	2	3	Y	1	4	84
863	003	10	Sal										
863	005	8	Sal										
863	006	18	Grn			1999	5						
863	008	8	Cat	60	3	1909	12	2	1	Y	4	4	89
863	009	20	Cat	44	2	1909	12	3	2	Y	4	4	89
863	011	4	Cat	24	1	1925	11	2	1	Y	2	3	89
863	015	10	Sal										
863	026	3	Sal										
863	029	11	Cat	43	2	1908	12	2	4	Y	4	4	89
863	034	13	Cat	32	1	1921	11	2	1	Y	2	3	84
863	041	5	Sal	65	3	1911	12	2	2	Y	3	0	89
863	048	2	Sal										
863	049	8	Sal										
863	050	6	Sal										
863	051	20	Cat	37	1	1919	11	2	2	Y	2	3	89
863	053	2	Sal										
863	056	25	Cat	28	1	1911	12	2	2	Y	1	3	89
863	063	9	Sal	62	3	1900	12	2	4	Y	4	4	83

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
863	064	3	Sal										
863	078	9	Grn			1998	5						
863	080	10	Sal	81	4	1918	11	2	2	Y	3	3	89
863	081	3	Sal										
863	084	3	Sal										
863	089	6	Cat	24	1	1919	11	2	1	Y	2	3	89
875	008	14	Cat	39	1	1906	12	2	4	Y	4	4	89
875	009	25	Grn	58	2	1906	12	2	4	Y	1	4	83
876	008	6	Cat	36	1	1902	12	2	4	Y	3	4	89
876	009	17	Grn	75	3	1925	11	1	3	Y	1	3	81
876	013	11	Grn			1997	5						
876	014	3	Grn			1996	5						
876	015	20	Grn			1997	5						
876	016	14	Grn			1997	5						
876	034	22	Grn			1997	5						
877	002	22	Grn	75	3	1910	12	2	4	Y	1	4	89
877	006	17	Grn	61	3	1910	12	3	3	Y	1	4	89
877	007	29	Grn			1994	5						
877	011	17	Grn			1998	5						
877	015	42	Grn			1995	5						
877	016	17	Grn	75	3	1906	12	2	4	Y	3	4	89
877	052	19	Grn			1998	5						
877	053	13	Grn			1998	5						
877	073	24	Grn	89	4	1925	11	4	2	Y	1	3	89
879	007	13	Grn	75	3	1923	11	2	3	Y	3	3	89
879	021	19	Grn	75	3	1925	11	2	4	Y	3	4	83
879	045	7	Sal	65	3	1926	11	4	3	Y	1	4	84
891	002	7	Grn			1993	5						
891	003	9	Grn			1993	5						
891	005	8	Grn	69	3	1915	11	4	1	Y	3	3	89
891	006	9	Sal			1919	11						
891	007	20	Grn	101	4	1917	11	4	1	Y	1	4	89
891	011	23	Grn	75	3	1927	11	2	1	Y	4	4	83
891	012	27	Sal			1918	11						
891	015	9	Grn	86	4	1922	11	4	1	Y	1	0	83
891	018	38	Sal			1919	11						
891	024	33	Sal			1914	11						
891	027	11	Grn	75	3	1911	12	2	2	Y	3	3	89
891	031	20	Sal			1925	11						
891	034	26	Grn	105	4	1915	11	4	1	Y	1	4	89
891	035	24	Grn	85	4	1909	12	4	2	Y	1	0	83
891	037	31	Grn	94	4	1912	12	4	1	Y	1	3	84
891	047	17	Grn	15	0	1994	5	2	3	Y	2	4	83
891	050	18	Sal			1915	11						

Stand Identification				Alternative 4 Outcomes (Year 2023)									
Comp	Stand	Ac.	Obj.	Relative Density	Stocking Class	Year Of Origin	Age Class	Fern/ Grass Class	Beech Striped Maple Class	Interference Class	Regen Class	Birch Class	Forest Type
891	054	14	Sal			1920	11						
891	055	12	Grn	15	0	1993	5	2	1	Y	2	0	83
891	058	3	Grn			1993	5	2		Y			
891	063	9	Sal			1918	11						
891	064	4	Sal			1923	11						
891	065	16	Sal			1915	11						
891	067	4	Cat	-2	0	1919	11	2	0	Y	3	0	84
891	069	23	Sal			1914	11						
891	070	7	Grn	75	3	1927	11	2	0	Y	3	3	83
891	071	7	Grn	82	4	1942	11	2	0	Y	4	3	83
891	072	5	Grn	84	4	1909	12	4	0	Y	1	3	83
892	026	12	Grn	78	3	1923	11	4	0	Y	1	3	89
892	029	8	Grn	75	3	1923	11	2	0	Y	3	0	89
892	031	20	Grn			1984	5	2		Y			
892	034	10	Grn	92	4	1928	11	3	2	Y	2	0	83
892	036	8	Sal			1929	11						
892	038	7	Grn	36	1	1918	11	2	2	Y	4	3	83
892	043	11	Sal			1921	11						
892	045	20	Sal			1931	11						
892	047	9	Cat	29	1	1923	11	3	2	Y	3	0	83
892	052	19	Sal	87	4	1928	11	3	0	Y	2	3	
892	054	15	Grn	83	4	1923	11	4	1	Y	1	0	83
892	055	4	Grn	32	1	1919	11	4	0	Y	1	3	84
892	060	14	Grn	100	4	1928	11	4	1	Y	1	0	83
892	064	11	Sal			1931	11						
893	054	4	Sal	41	2	1923	11	4	1	Y	1	4	83
904	005	24	Grn	101	4	1909	12	1	1	N	4	0	55
904	006	10	Sal	58	2	1911	12	2	2	Y	4	0	55
904	014	9	Grn	69	3	1911	12	1	4	Y	3	0	55

HERBICIDE BLOCK SIZE

There are 3 blocks (aggregates of adjacent stands) larger than 40 acres where herbicides will be applied in Alternatives 2 and 3, and 8 blocks in Alternative 4. Block sizes range from 56 to 185 acres. Treatments are proposed in combination with both even-aged and uneven-aged harvest methods, and in stands where no commercial harvest is proposed in Alternatives 2, 3 and 4.

Table 15: Herbicide Treatment Areas Which Potentially Could Exceed 40 Acres

Block	Comp.	Stand	Acres	Alts. 2 & 3	Alt. 4	Remarks
A	710	001	8	X	X	Catastrophic damage from wind event, stands 2710001, 2861010, 2861044, 2861045, 2861046,
A	861	010	26	X	X	

Block	Comp.	Stand	Acres	Alts. 2 & 3	Alt. 4	Remarks
A	861	044	30	X	X	2861047 total 113 acres.
A	861	045	22	X	X	
A	861	046	20	X	X	
A	861	047	7	X	X	
B	698	010	7		X	Stands 2698010, 2698062, 2698063, 2698064, and 2698065 are connected by the use of UEAM. Total herbicide application is 66 acres.
B	698	062	18		X	
B	698	063	14		X	
B	698	064	17		X	
B	698	065	10		X	
C	698	070	28		X	Stands 2698070, 2707044 and 2707047 are connected by the use of UEAM. Total herbicide application is 71 acres
C	707	044	33		X	
C	707	047	10		X	
D	673	110	7	X	X	Catastrophic damage from wind event, stands 2673110, 2682039 and 2682040. Spot herbicide for reforestation in stands 2682014. Total herbicide application is 56 acres.
D	682	014	15	X	X	
D	682	039	25	X	X	
D	682	040	9	X	X	
E	699	053	29		X	Stands 2699053, 2708038, 2708042, 2709011, 2709015, 2709026, 2709032, 2709038, 2709042, and 2709043 are connected by UEAM. Stands 2699031 and 2709037 are disconnected. Total herbicide application is 185 acres.
E	708	038	20		X	
E	708	042	10		X	
E	709	011	19		X	
E	709	015	20		X	
E	709	026	15		X	
E	709	032	31		X	
E	709	038	11		X	
E	709	042	15		X	
E	709	043	15		X	
F	863	011	4	X	X	Catastrophic damage from wind event, stands 2863011, 2863034, 2863051, 2863056, and 2863089. Herbicide application for reforestation. Total herbicide application is 68 acres.
F	863	034	13	X	X	
F	863	051	20	X	X	
F	863	056	25	X	X	
F	863	089	6	X	X	
G	697	017	34		X	Stands 2697017, 2697028, 2707036 and 2697053 are connected by UEAM. Total herbicide application is 81 acres.
G	697	028	23		X	
G	707	036	16		X	
G	707	053	8		X	
H	850	043	11		X	Stands 2850043, 2850061, 2858038, and 2858040 are connected by UEAM. Total herbicide application is 56 acres.
H	850	061	17		X	
H	858	038	8		X	
H	858	040	20		X	

SECTION 6 - CHANGES IN TREATMENTS BETWEEN DRAFT AND FINAL EIS DOCUMENTS

As a result of new information and changes that occurred between the Draft EIS and Final EIS, a number of treatment changes have occurred. Below is a breakdown of the new information and changes:

1. Hemlock Wooly Adelgid:

Currently, the Hemlock Wooly Adelgid (HWA) has not been found on the ANF and is not expected to reach here for several years. The ANF is currently making a coordinated effort to evaluate potential threats of this insect to the forest. ANF personnel are working cooperatively with USFS Forest Health Protection, researchers, PA Bureau of Forestry, as well as other National Forests, to develop strategies for potential responses and management of the HWA on the Forest. This includes, if necessary, responding to the loss of hemlock and its many important ecological functions. Plans are being developed to prioritize and initiate detection surveys and to design research studies. Little is currently known about management activities or treatments that effectively limit infestation and mortality from HWA. In short, this threat is being evaluated at a forest level in partnership with other branches of USFS and State agencies. This information has been added as a result of comment 13-6 submitted. See Appendix I - 45 Day Response to Comments

2. Modifications to Prescriptions:

A. Fertilization and Fencing:

Ninety-two acres of fertilization was prescribed in six timber stands in both Alternatives 2 and 3. Three of those stands also had area fencing prescribed. The fertilization proposed for those six stands has been dropped and area fencing has been prescribed for reforestation efforts. This is a result of further field review and the silvicultural feasibility of applying fertilizer in those stands. This results in a net gain of 70 acres of area fencing for Alternatives 2 and 3. No change would occur for Alternative 4. Below is a list of the stands and their changes. See Table 12 in this Appendix for treatment acres submitted in the DEIS and use for comparison for acre corrections in Table 16 below. Silvicultural outcomes for these stands will be unaffected by this change.

Table 16: Change in Stand Silvicultural Treatments Fertilizer/Fencing for SCPA FEIS

Stand Identification				Alternative 2					Alternative 3					Alternative 4			
Comp.	Stand	Acres	Objective	Alt 2	Cut 1	Cut 2	Fertilize	Fence	Alt 3	Cut 1	Cut 2	Fertilize	Fence	Alt 4	Cut 1	Fertilize	Fence
693	059	16	Grn	Y	131	141	0	16	Y	131	141	0	16	N	0	0	0
702	060	20	Cat	Y	131	141	0	20	Y	131	141	0	20	Y	231	0	0
703	022	35	Grn	Y	131	141	0	35	Y	131	141	0	35	N	0	0	0
703	057	8	Grn	Y	131	141	0	8	Y	131	141	0	8	Y	151	0	0
858	014	2	Grn	Y	131	141	0	2	Y	131	141	0	2	Y	151	0	0
858	033	7	Grn	Y	131	141	0	7	Y	131	141	0	7	N	0	0	0
893	054	4	Sal	Y	131	141	0	4	Y	131	141	0	4	Y	231	0	0
Total Ac.							**0**	**92**				**0**	**92**			**0**	**0**
Ac. Change							**-92**	**+70**				**-92**	**+70**			**0**	**0**

B. CHANGES HAVE BEEN MADE FOR THE FOLLOWING SCPA SILVICULTURAL TREATMENTS BASED ON RECENT FIELD REVIEWS AND HAVE BEEN NEEDED FOR ONE OR MORE OF THE FOLLOWING REASONS/ITEMS:

1. The treatment acres were changed or the treatment was dropped to remain consistent with the Forest Plan regarding treatment options in Group III soils. See methodology below for disposition of stands that registered at least 1 acre in Group 3 soils.

2. The treatment was dropped because of delay in implementing treatments has caused harvest volume to deteriorate. Operable sale opportunity no longer exists; and

3. The reason for the treatment has been re-evaluated;

Item #' 1, 2, and 3 - Methodology for Group III Soil analysis:

A strategy was formulated to review individual stands proposed for treatment that show treatment acres within Group III soils by alternative. Some stands showed 1 acre or less, while other stands show more. The methodology used and the disposition of those treatments is shown below:

1. Uneven-age management and release work (reforestation work) in Group III soils will remain viable silvicultural options. Release work is listed for stands approximately 5-20 years old and not exclusively for creating even-age or uneven-aged stands. It is method of promoting diversity in trees species for all deciduous hardwood types. These two types of treatments total 44 acres (acres within Group III soils) in Alternatives 2 and 3 and 162 acres in Alternative 4, and will remain viable options.

2. Some stands show (1) acre or less or less then 10% of the stand in Group III soils. For stands in the above treatments, it was determined that reserve areas or riparian buffer zones (areas not treated) would be designated around all Group III soils within the stand. No even-age management would occur in these reserve areas.

The remaining proposed vegetation treatments: salvage clearcut, salvage prep 2-age, salvage shelterwood seedcut, shelterwood seedcut, salvage overstory removal, overstory removal, thinning, salvage thinning, and delayed overstory removal were look at and analyzed in more detail.

1. Stands indicating Group III soils using GIS map analysis were reviewed to see if Group III soils were actually present. Some Group III soils were mapped incorrectly and didn't exist, therefore those treatments were no longer considered within Group III soils and will remain as viable silvicultural options.

2. Of the stands proposed for salvage harvest, salvage treatment would only occur in a portion of the stand that has Group I or Group II soils. There were no treatments proposed in the Group III portion of the stand therefore no harvest treatment would occur in Group III soils. In addition while reviewing these salvage proposed stands some stands were dropped from further consideration because it was determined that the dead and damaged trees were no longer merchantable or to avoid salvage on Group III soils.

3. Other even-age management treatments noted above were looked at and disposed in the following manner: (1). Reserve or buffer areas were established around Group III soils so no even-age management would occur in Group III soils; or (2). the Group III soils were mapped incorrectly and do not exist; or (3). the unit was dropped so no management would occur. To

remain consistent with Forest Plan guidelines regarding riparian areas, harvest of timber from selected streamside zones would consist of an inclusion of uneven-age transition cut in stands where an intermediate thinning is prescribed in the remainder of the stand. This uneven-age inclusion would improve riparian habitat by stimulating residual tree growth and maintaining canopy cover (See Appendix D – Mitigation Measures – WA1 & WA2 for protection of riparian areas).

Further discussion, methodology, and disposition on how the acres of Group III soil were reviewed by alternative and the disposition involved by alternative are discussed in the soil scientist's specialist report**.**

As a result of the analysis and based on the above methodology, Table 18 lists the stands by alternatives that resulted in the stand being dropped from further consideration or a change in acres occurred. Table 17 represents a portion of Table 12 presented in the DEIS in Appendix B where the changes occur and can be used for comparison with Table 18. The associated reforestation treatments for the affected stands were changed as well if appropriate. More detail summaries and a stand by stand treatment breakdown by alternative with the above methodology displayed has been filed in the project file and summarized as part of the soil scientist specialist report.

Table 17: Stands affected by Group III analysis (Portion of Table 12 from the DEIS) in which treatment acres changed or the stand will be dropped from further consideration

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Comp.	Stand	Acres	Group III	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
680	57	6	5	Y	220	-	0	0	0	0	0	0	0	Y	220	-	0	0	0	0	0	0	0	N	-	0	0	0	0	0	0	0
697	17	34	10	Y	220	-	0	0	0	0	0	0	0	Y	220	-	0	0	0	0	0	0	0	Y	151	34	34	0	0	17	17	34
697	75	3	2	Y	220	-	0	0	0	0	0	0	0	Y	220	-	0	0	0	0	0	0	0	Y	151	3	3	0	0	3	3	3
707	36	16	12	Y	220	-	0	0	0	0	0	0	0	Y	220	-	0	0	0	0	0	0	0	Y	151	16	16	0	0	8	8	16
707	53	11	5	Y	131	141	11	11	0	0	11	4	11	Y	131	141	11	11	0	0	11	4	11	Y	151	11	11	0	0	11	0	11
708	42	10	8	Y	232	-	0	0	0	0	0	0	0	Y	232	-	0	0	0	0	0	0	0	Y	151	10	10	0	0	5	5	10
709	30	13	6	Y	232	-	0	0	0	0	0	0	0	Y	232	-	0	0	0	0	0	0	0	Y	151	0	13	0	0	4	4	13
709	37	13	7	Y	122	132	13	13	0	13	2	2	13	Y	122	132	13	13	0	13	2	2	13	Y	151	13	13	0	13	6	0	13
859	42	7	6	Y	231	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
859	58	5	2	Y	114	-	5	0	0	0	5	5	5	Y	114	-	5	0	0	0	5	5	5	Y	231	0	0	0	0	5	5	5
879	45	7	5	Y	232	-	0	0	0	0	0	0	0	Y	232	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0
891	12	27	11	Y	231	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	24	33	13	Y	231	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	54	14	1	Y	231	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	63	9	1	Y	231	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	64	4	2	Y	231	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	65	16	1	Y	231	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	69	23	11	Y	231	-	0	0	0	0	0	0	0	Y	231	-	0	0	0	0	0	0	0	Y	231	0	0	0	0	0	0	0
891	71	7	4	Y	220	-	0	0	0	0	0	0	0	Y	220	-	0	0	0	0	0	0	0	N	-	0	0	0	0	0	0	0

Table 18: Acres Changed or No Longer Considered for Management as a Result of the Group III Analysis

Stand Identification				Alternative 2										Alternative 3										Alternative 4								
Comp.	Stand	Acres	Group III	Alt 2	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 3	Cut 1	Cut 2	Herbicide	SP	Fertilize	Fence	TS	Plant	Release	Alt 4	Cut 1	Herbicide	SP	Fertilize	Fence	TS	Plant	Release
680	57	6	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
697	17	19	-	Y	220	0	0	0	0	0	0	0	0	Y	220	0	0	0	0	0	0	0	0	Y	151	34	34	0	0	17	17	34
697	75	3	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	Y	151	3	3	0	0	3	3	3
707	36	16	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	Y	151	16	16	0	0	8	8	16
707	53	11	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	Y	151	11	11	0	0	11	0	11
708	42	10	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	Y	151	10	10	0	0	5	5	10
709	30	13	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	Y	151	0	13	0	0	4	4	13
709	37	8	-	Y	122	132	8	8	0	8	2	2	8	Y	122	132	8	8	0	8	2	2	8	Y	151	13	13	0	13	6	0	13
859	42	7	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
859	58	5	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	231	0	0	0	0	0	0	0
879	45	7	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	O	0	0	0	0	0	0
891	12	27	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	24	33	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	54	14	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	63	9	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	64	4	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	65	16	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	69	23	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0
891	71	7	-	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0	0	N	0	0	0	0	0	0	0	0

Table 19 - Total Acre Change by Treatment and Alternative.

Treatment code	Alternative 2	Alternative 3	Alternative 4
220	-47	-47	0
231	-133	-133	-145
232	-30	-30	0
114	-5	-5	0
131-141	-11	-11	0
122-132	-5	-5	0
Total Change	**-231**	**-231**	**-145**

Table 20 – Associated Reforestation Acre changes by Alternative

Treatment code	Alternative 2	Alternative 3	Alternative 4
Herbicide	-24	-24	0
Site Prep (SP)	-24	-24	0
Tree Shelters	-16	-16	-5
Fence	-8	-8	0
Plant	-9	-9	-5
Release	-24	-24	-5
Total Change	**-129**	**-129**	**-15**

Table 19 and

Table 20 reflect the acre change as a result of the Group III soil analysis. All acre changes are reflected in Table 21 - Change in Harvest Activity by Alternative and percent of total originally proposed and **Table 22** - Change in Reforestation Activity by Alternative and percent of total originally proposed. .

Table 21 - Change in Harvest Activity by Alternative and percent of total originally proposed

Activity	Alt. 1	Alt. 2	Alt.3	Alt. 4
Even-Age Regeneration				
Clearcut (114)	0	-5	-5	0
Two age prep/ Final Two age (122-132)	0	-5	-5	0
Shelterwood Seed/Shelterwood Removal (131-141)	0	-11	-11	0
Thinning (220)	0	-47	-47	0
Salvage Thin (Windthrow) (231)	0	-133	-133	-145
Salvage Sanitation (232)	0	-30	-30	0
Total/% of Total	0/0%	**-231/5.0%**	**-231/5.3%**	**-145/4.7%**

Table 22 - Change in Reforestation Activity by Alternative and percent of total originally proposed.

Activity	Alt. 1	Alt. 2	Alt.3	Alt. 4
Herbicide	0	-24 (1.0%)	-24 (1.1%)	0 (0%)
Site Prep (SP)	0	-24 (1.1%)	-24 (1.3%)	0 (0%)
Tree Shelters	0	-16 (3.0%)	-16 (3.2%)	-5 (0.4%)
Fence	0	+62 (3.9%)	+62 (4.6%)	0 (0%)
Plant	0	-9 (2.0%)	-9 (2.1%)	-5 (0.9%)
Release	0	-24 (0.7%)	-24 (0.8%)	-5 (0.1%)
Fertilize	0	-92 (64.8%)	-92 (65.2%)	0 (0%)

Summary for Modifications to Prescriptions:

In total, modifications to prescriptions result in minor shifts in the total amount of harvest proposed. For the most part there is a decrease in the amount of harvest in a variety of silvicultural prescriptions. The change in treatments results in less then 5.3% change from what was originally proposed, and results in less total treatments for all the action alternatives (See Table 21). Modifications in regeneration harvest and changes from converting fertilization acres to fencing results in changes in reforestation activity needed. Table 22 displays the changes by reforestation for each alternative. In total modifications to amount of reforestation activity are minor with the exception of the fertilization treatment. Decreases or increases of 4.6% or less in all instances except fertilization exist. In Alternative 2 and 3, fertilization proposed decreased approximately 65%. These stands proposed for fertilization will be fenced if needed instead.

The primary differences as a result of the modifications to prescriptions is that there are fewer acres of intermediate treatments such as thinning and salvage thinning. Overall, this represents extremely minor changes in age class distribution from what was displayed in the DEIS, as well as extremely minor changes in reforestation treatments and or seedling production.

Effects changes from these modifications to prescriptions have been made in the FEIS on pages 184-186 in Tables 54 and 55. This section is titled Riparian, Wet Soil, and Visually Sensitive Areas. Adjustments in the level of activities for each alternative were not made in Chapter 2, Tables 2 thru 10 of the FEIS. Information as displayed in the DEIS is sufficient for the Deciding Officer to determine differences in effect by alternative as comparable degrees of change occurs from one alternative to another.

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