

ASF Job #:

Contractor:

Landowner:

Treatment Code:

Area:

Assessor:

Date:

Plots



PRE/POST Treatment Assessment Tally Sheet

SELECTION MANAGEMENT

Prism Plot BAF = 2

Stocking Plot Radius = 1.36 m (or 1/1736th ha)

Plot	Tolerant Crop Trees (BA tally) RS,EH,EC,WP,BF, WA,YB,BE,SM&RO										Other Crop Trees (BA Tally) BS,WS,NS,JP,TL,TA,LA,WB,RM,BC,WE,IW,BP												
	UGS		AGS		UGS		AGS		UGS		AGS		UGS		AGS		UGS		AGS		UGS		AGS
5																							
10																							
15																							
20																							
25																							
30																							
35																							
40																							
45																							
50																							
55																							
Total																							
%																							

Total

% stocking of crop tree = [# stocked plots / (# plots - # nonstockable)] * 100

BA/ha = (SUM(total tolerant crop trees + total other crop trees) / # plots) * 2

BA/ha tolerant species = [SUMtotal tolerant crop trees / # plots] * 2

- 1) Stocking of crop trees must be > 80 % (at 2.4m*2.4m spacing)
- 2) Tolerant crop trees (RS, WP, BF, EH, EC, WAS, YB, SM, RO, BE) must constitute a minimum of 5m²/ha BA
- 3) Post-treatment BA/ha must be 16-30m²/ha
- 4) There must be 3 distinct height classes present in the stand (with a minimum of 3 m between classes and one height class > 10 m)
- 5) SW 3-7 m and HW 6-9 m must be spaced to 1.5 m spacing (4500/ha)

BA (m²/ha)

# TOLERANT AGS		
# TOLERANT UGS		
# UGS		
#AGS		

Contractor:

Landowner:

Area:

Assessor:

Date:



Plot	FEC		Stocking	Blowdown Indicators	EXPOSURE	Non-Mapped Wetlands	Topographic Features	Wildlife Trees	Wildlife Features	PATCH	Regeneration	Average Tree		Dominant Tree	
	SOIL TYPE	VEG TYPE										Height (m)	Age (yrs)	Height (m)	Age (yrs)
			Y/N	E- Existing windthrow MP- Mound & Pit Topo S- Sphagnum moss	E- Exposed ME- Mod. Exposed M- Moderate MS- Mod. Sheltered S- Sheltered	V- Vernal Pools S- Springs ST- Streams	K- Karst R- Ravine O- Rock Outcrop C-Caves	C1- Cavity trees (>20cm dbh) N- Nest (raptors, heron colonies) M-Mast (oak /beech /witch hazel)	D- Deer wintering Areas W-Wildlife Concentrations SR- Species at Risk U-Unique features	IM- Immature to Over mature I- Immature AGS R- Advanced Regeneration of Preferred Species U- Uniform mix of all age classes	%Stocking, Species, dominance, height (m) D- Dominant C- Co-dominant S- Suppressed	Height (m)	Age (yrs)	Height (m)	Age (yrs)
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															

*NS (Non-stockable) - does not support tree growth, such as exposed bedrock or a wet area

Comments & Observations

Prescription (Pre-Treatment):

Assessor Signature _____
 Year of FEC Certification: _____

Height class 1 (m):	
Height class 2 (m):	
Height class 3 (m):	
Stocking (%):	

ASF Job #:

Contractor:



Assessment Tally Sheet

Landowner:

CROP TREE RELEASE

Treatment Code:

Plot Radius = 5.0 m (or 1/125th ha)

Area:

BAF = 2

Assessor:

Date:

Assessor Signature

Plot	Crop Trees (Post - Marked and Released)										Ave. Crop Tree DBH	Total Crop Trees	BA (all trees)
	RS	RP	WP	EH	WAS	YB	SM	RO	WB	RM			
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
Total													
Average													

Density of crop trees =
[SUMtotal crop trees / # plots]
x 125

Ave. crop tree diameter =
SUMave crop tree DBH / # plots

BA/ha =
(SUMBA tally / # plots) x2

- 1) Density of crop trees must be > 100per treatment but <125 ha
- 2) Average crop tree diameter > 15 cm (with no crop trees <10 cm
- 3) BA must be >15 m2/ha
- 4) Crop trees must be marked with crowns released on at least 3 sides

ASF Job #:

Assessor Signature

Contractor:

Landowner:

Treatment Code:

Area:

Assessor:

Date:



Post-Assessment Tally Sheet

CROP TREE PRUNING

Plot Radius = 5.0 m (or 1/125th ha)

Plot	Crop Trees (Post - Pruned)								Ave. Crop Tree Ht.	# (Pruned) Crop Trees
	RP	WP	WAS	YB	SM	RO	WB	RM		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
Total										
Average										

Plot	Crop Trees (Post - Pruned)								Ave. Crop Tree Ht	# (Pruned) Crop Trees
	RP	WP	WAS	YB	SM	RO	WB	RM		
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										
38										
39										
40										
Total										
Average										

- 1) Density of pruned crop trees must be > 125 ha
- 2) Crop tree height > 8 m
- 3) Crop trees must be pruned to a height of at least 5 m

Density of pruned crop trees =
 $[SUMtotal\ pruned\ crop\ trees / \# \ plots] * 125 =$

Ave. crop tree height = $SUMave\ crop\ tree\ height / \# \ plots =$

ASF Job #:

Contractor:



PRE/POST-Assessment Tally Sheet

Landowner:

COMMERCIAL THINNING

Treatment Code:

Prism Plot BAF = 2

Area:

Assessor:

Date:

Plots

Plot	UGS		AGS		UGS		AGS		UGS		AGS		UGS		AGS		UGS		AGS		OTHER Spp.			
	DBH	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	UGS	AGS	
5																								
10																								
15																								
20																								
25																								
30																								
35																								
40																								
45																								
50																								
55																								
Total																								
%																								

$BA/ha = (SUMtotal\ crop\ trees / \#\ plots) * 2$
 $\% BF = [(SUMtotal\ trees\ BF / \#\ plots * 2) / (SUMtotal\ crop\ trees / \#\ plots * 2)] * 100$
 $\% RM/TA/LA = [(SUMtotal\ trees\ RM/TA/LA / \#\ plots * 2) / (SUMtotal\ crop\ trees / \#\ plots * 2)] * 100$

- Acceptable crop tree species: SW:BS,RS,WS,NS,JP,RP,WP,BF,TL,EH,EC,SP
HW:WAS,TA,LA,YB,WB,RM,SM,RO,BE,WE,BC,IW,BP
- BA/ha must be: SW Stands: 16-30 m²/ha / HW Stands: 16-24 m²/ha
- BF must constitute <50% of BA and RM/TA/LA combined must constitute <25% of BA

% Balsam Fir		
% Red Maple & Aspen/Poplar		
# UGS		BA (m ² /ha)
#AGS		

Contractor:

Landowner:

Area:

Assessor:

Date:



Plot	FEC		Blowdown Indicators	EXPOSURE	Non-Mapped Wetlands	Topographic Features	Wildlife Trees	Wildlife Features	PATCH	Regeneration	Average Tree		Dominant Tree	
	SOIL TYPE	VEG TYPE									Height (m)	Age (yrs)	Height (m)	Age (yrs)
			E- Existing windthrow MP- Mound & Pit Topo S- Sphagnum moss	E- Exposed ME- Mod. Exposed M- Moderate MS- Mod. Sheltered S- Sheltered	V- Vernal Pools S- Springs ST- Streams	K- Karst R- Ravine O- Rock Outcrop C-Caves	CT- Cavity Trees (>20cm dbh) N- Nest (raptors, heron colonies) M-Mast (oak /beech /witch hazel)	D- Deer Wintering Areas W-Wildlife Concentrations SR- Species at Risk U-Unique features	M- Mature to Over Mature I- Immature AGS R- Advanced Regeneration of Preferred Species U- Uniform mix of all age classes	%Stocking, Species, dominance, height (m) D- Dominant C- Co-dominant S- Suppressed	Height (m)	Age (yrs)	Height (m)	Age (yrs)
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

*NS (Non-stockable) - does not support tree growth, such as exposed bedrock or a wet area

Comments & Observations

Prescription (Pre-Treatment):

Assessor Signature _____
 Year of FEC Certification: _____

Height (m):	
Stocking (%):	

ASF Job #:

Contractor:



Assessment Tally Sheet - PRE-COMMERCIAL THINNING

Landowner:

Plot Radius = 1.78 m (or 1/1000th ha) (PRE)

Treatment Code:

Plot Radius = 3.99 m (or 1/200th ha) (POST)

Area:

Stocking Plot Radius = 1.36 m (or 1/1736th ha)

Assessor:

Date:

Assessor Signature

	Crop Trees (tally) - add other species in blanks														Stocked (yes or no)	*NS	Ave. Crop Tree Height		# Crop Trees	
	BS	RS	WS	WP	BF					RM	WB	TA	YB	SM						SW
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
Total																				
%																				
																Average				

*NS (Non-stockable) - does not support tree growth, such as exposed bedrock or a wet area

- 1) Stocking of natural SW and HW crop trees must be > 80%
- 2) Density of natural SW and HW crop trees must be 1500/ha - 3500/ha
- 3) Acceptable crop tree height: SW: 2 m - 7 m / HW: 6 m - 9 m
- 4) Acceptable crop tree species: SW:BS,RS,WS,JP,RP,WP,BF,TL, EH,EC,SP / HW:WAS,TA,LA,YB,WB,RM,SM,RO,BE,WE,BC,IW,BP

% stocking crop trees =

$$[\# \text{ stocked plots} / (\# \text{ plots} - \# \text{ nonstockable})] * 100$$

Density crop trees =

$$(\text{SUMtotal crop trees} * 200) / (\# \text{ plots} - \# \text{ nonstockable})$$

Height of SW {or HW} crop trees =

$$\text{SUMave. tree height:SW \{or HW\} / \# \text{ plots (with SW \{orHW\})}$$

ASF Job #:

Contractor:



Assessment Tally Sheet - MANUAL WEEDING

Landowner:

Plot Radius = 1.78 m (or 1/1000th ha) (PRE)

Treatment Code:

Plot Radius = 3.99 m (or 1/200th ha) (POST)

Area:

Stocking Plot Radius = 1.36 m (or 1/1736th ha)

Assessor:

Date:

Assessor Signature

Plot	Crop Trees (tally) - add other species in blanks															Stocked (yes or no)	*NS	Ave. Crop Tree Height			Total Crop Trees	
	Planted	BS	RS	WS	WP	BF					RM	WB	TA	WA	YB					Planted		HW
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
Total																						
Average																						

*NS (Non-stockable) - does not support tree growth, such as exposed bedrock or a wet area

- 1) Stocking of planted and natural SW/HW crop trees must be > 80% (PLANTED)
- 2) Stocking of natural SW/HW crop trees must be > 85% (NATURAL)
- 3) Density of planted and natural SW/HW crop trees must be >1500/ha (PRE)
- 4) Density of planted and natural SW/HW crop trees must be 900-1500/ha (PRE)
- 5) Acceptable crop tree height: Planted/SW/HW: >10 cm
- 6) Acceptable crop tree species: SW:BS,RS,WS,NS,JP,RP,WP,BF, TL,EH,EC,SP / HW:WAS,TA,LA,YB,WB,RM,SM,RO,BE,WE,BC,IW,BP
- 7) Evidence of manual treatment over the entire site is required

$$\% \text{ stocking PL and NAT SW/HW crop trees} = \frac{[\# \text{ stocked plots} / (\# \text{ plots} - \# \text{ nonstock})] * 100 =$$

$$\text{density PL crop trees} = \frac{(\text{SUM-PL crop trees} * 200)}{(\# \text{ plots} - \# \text{ non-stock})} =$$

$$\text{density PL and NAT SW/HW crop trees} = \frac{(\text{SUMtotal trees} * 200)}{(\# \text{ plots} - \# \text{non-stockable})} =$$

$$\text{height of PL crop trees} = \frac{\text{SUMave. crop tree height:Planted}}{\# \text{ plots (with Planted)}} =$$

$$\text{height of natural SW crop trees} = \frac{\text{SUMave. crop tree height:SW}}{\# \text{ plots (with SW)}} =$$

$$\text{height of natural HW crop trees} = \frac{\text{SUMave. crop tree height:HW}}{\# \text{ plots (with HW)}} =$$

ASF Job #:

Contractor:



Assessment Tally Sheet - FILL PLANTING

Landowner:

Plot Radius = 1.78 m (or 1/1000th ha) (PRE)

Treatment Code:

Plot Radius = 3.99 m (or 1/200th ha) (POST)

Area:

Stocking Plot Radius = 1.36 m (or 1/1736th ha)

Assessor:

Date:

Assessor Signature

Plot	Crop Trees (tally) - add other species in blanks															Stocked (yes or no)	*NS	Ave. Crop Tree Height			Total Crop Trees	
	Planted	BS	RS	WS	WP	BF					RM	WB	TA	WA	YB					Planted		HW
1																						
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						
Total																						
Average																						

*NS (Non-stockable) - does not support tree growth, such as exposed bedrock or a wet area

- 1) Stocking of planted and natural SW/HW crop trees must be > 80%
- 2) Density of planted crop trees must be >300/ha
- 3) Density of planted and natural SW/HW crop trees must be >1500/ha
- 4) Acceptable crop tree height: Planted/SW/HW: >10 cm
- 5) Acceptable crop tree species: SW:BS,RS,WS,NS,JP,RP,WP,BF, TL,EH,EC,SP / HW:WAS,TA,LA,YB,WB,RM,SM,RO,BE,WE,BC,IW,BP

% stocking PL and NAT SW/HW crop trees = [# stocked plots / (# plots - # nonstock)] * 100 =

density PL crop trees = (SUM-PL crop trees * 200) / (# plots - # non-stock) =

density PL and NAT SW/HW crop trees = (SUMtotal trees * 200) / (# plots - #non-stockable) =

height of PL crop trees = SUMave. crop tree height:Planted / # plots (with Planted)=

height of natural SW crop trees = SUMave. crop tree height:SW / # plots (with SW)=

height of natural HW crop trees = SUMave. crop tree height:HW / # plots (with HW)=

Sampling Intensity (Non-FEC)

Treatment Area (ha)	# Plots
19.1+	1/ha
9.1-19.0	20
4.1-9.0	15
0.1-4.0	10

Plot Sizes/ Types		Pre-Assessments			
Category	Treatment	Density plot	Stocking Plot	FEC*	Prism plot
1	Fill Planting	1.78m (1/1000 th)	1.36m (1/1736 th)		
3	Manual Weeding	1.78m (1/1000 th)	1.36m (1/1736 th)		
4,5	PCT	1.78m (1/1000 th)	1.36m (1/1736 th)		
6	Commercial Thinning			YES	2.0 BAF
7a	Crop Tree Release	5.0m (1/125 th)			2.0 BAF
7b	Crop Tree Pruning	5.0m (1/125 th)			
7c	Selection Management		1.36m (1/1736 th)	YES	2.0 BAF

Plot Sizes/ Types		Post-Assessment			
Category	Treatment	Density plot	Stocking Plot	FEC*	Prism plot
1	Fill Planting	3.99m (1/200 th)	1.36m (1/1736 th)		
3	Manual Weeding	3.99m (1/200 th)	1.36m (1/1736 th)		
4,5	PCT	3.99m (1/200 th)	1.36m (1/1736 th)		
6	Commercial Thinning			YES	2.0 BAF
7a	Crop Tree Release	5.0m (1/125 th)			2.0 BAF
7b	Crop Tree Pruning	5.0m (1/125 th)			
7c	Selection Management		1.36m (1/1736 th)	YES	2.0 BAF

* FEC Data is to be submitted digitally, paper sheets are for those without data recorders for sampling and completed data must be entered into PTA Program

Species Codes

BS - Black Spruce	RM - Red Maple
RS - Red Spruce	SM - Sugar Maple
WS - White Spruce	
NS - Norway Spruce	WB- White Birch
	YB - Yellow Birch
WP - Eastern White Pine	
RP- Red Pine	AS- White Ash
JP - Jack Pine	IW - Ironwood
SP - Scots Pine	RO - Red Oak
BF - Balsam Fir	TA- Trembling Aspen
TL - Tamarack/Larch	LA- Largetoothed Aspen
EH - Eastern Hemlock	BP - Balsam Poplar
EC -Eastern Cedar	BE - Beech
WL - Hybrid Larch	WE- White Elm
JL - Japanese Larch	BC - Black Cherry