Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duch 1
MSP ID

Duclaux / Electrical
Property Name

Oct 1 /14
Date

Etienne / Yves
Surveyor

Montbrun.
GPS Used

X, Y Coordinates

Dominant Ground Cover:
grass, parsley.

Assessment of overall health:
- good
- trees established.

Amphibians, birds, mammals observed:
- grouse
-

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

Planted Tree			Pre-existing Tree		
#	Species	Height (cm)	#	Species	Height
1	Sb	27			
2	Sb	34			
3	Sb	25			
4	Sb	29			
5	Sb	28			
6	Sb	37			
7	Sb	35			
8	Sb	26			
9	Sb	29			
10	Sb	35			
11	Sb	29			
12	Sb	26			
13	Sb	24			
14	Sb	27			
15	Sb	26			
16	Sb	28			
17					
18					

Additional Notes: - wet fall & summer (abnormal amount of rain)

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Dush 2
MSP ID

Ourtome Rtrled
Property Name

Oct 1/14
Date

Etienne / Yves
Surveyor

Montana
GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

good.

Amphibians, birds, mammals observed:

- grouse
- Song birds (sparrow, chickadee)

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Sb	29			
2	Sb	31			
3	Sb	18			
4	Sb	32			
5	Sb	33			
6	Sb	34			
7	Sb	23			
8	Sb	29			
9	Sb	29			
10	Sb	21			
11	Sb	40			
12	Sb	31			
13	Sb	39			
14	Sb	34			
15	Sb	26			
16	Sb	30			
17					
18					

Additional Notes: - anomaly wet fall

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

MSP ID: Duck 3.

Property Name: Duckhawk R+V - kcl

Date: Oct 1/14

Surveyor: Etienne / Yves.

GPS Used: Montana.

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- good

Amphibians, birds, mammals observed:

- grouse, songbirds.
- evidence of moose (fresh).

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[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Sb	37			
2	Sb	32			
3	Sb	19			
4	Sb	30			
5	Sb	31			
6	Sb	29			
7	Sb	32			
8	Sb	23			
9	Sb	28			
10	Sb	24			
11	Sb	19			
12	Sb	31			
13	Sb	29			
14	Sb	28			
15	Sb	31			
16					
17					
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duck 5 — MSP ID

Ltr- lab — Property Name

Oct 1/14 — Date

E Thwaites / Yves — Surveyor

Montana — GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

good health

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pv	17			
2	Pv	20			
3	Pv	22			
4	Pv	23			
5	Pv	27			
6	Pv	24			
7	Pv	25			
8	Pv	20			
9	Pv	29			
10	Pv	20			
11	Pv	18			
12					
13					
14					
15					
16					
17					
18					

Additional Notes:

- may have missed 1 to 2 trees.

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duck b
MSP ID

Ctr-lab
Property Name

oct 1/24
Date

Etienne / Yves
Surveyor

Montana.
GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- good

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	22			
2	Pr	39			
3	Pr	19			
4	Pr	38			
5	Pr	31			
6	Pr	37			
7	Pr	21			
8	Pr	16			
9	Pr	16			
10	Pr	24			
11					
12					
13					
14					
15					
16					
17					
18					

Additional Notes:

- may have missed 1 to 3 trees.
- early fall, abnormal amount of rain

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

MSP ID: Duch 7

Property Name: Rtr-lab

Date: Oct 1/14

Surveyor: Etienne/Yves.

GPS Used: Montana,

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- good

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	25			
2	Pr	20			
3	Pr	18			
4	Pr	26			
5	Pr	32			
6	Pr	29			
7	Pr	26			
8	Pr	21			
9	Pr	16			
10	Pr	26			
11	Pr	15			
12	Pr	35			
13	Pr	26			
14					
15					
16					
17					
18					

dead

Additional Notes:

- overall health is good
- wet due to abnormal ~~fall~~ rainfall this year.

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duch 8
MSP ID

Duchane & Rtv - Icd
Property Name

Oct 1
Date

Etienne / Yves
Surveyor

montana.
GPS Used

X, Y Coordinates

Dominant Ground Cover:
- grasses / sedges

Assessment of overall health:
- good.

Amphibians, birds, mammals observed:
- moose tracks

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Sb	33			
2	Sb	41			
3	Sb	30			
4	Sb	25			
5	Sb	27			
6	Sb	27			
7	Sb	28			
8	Sb	21			
9	Sb	21			
10	Sb	21			
11	Sb	23			
12	Sb	22			
13	Sb	37			
14	Sb	41			
15	Sb	44			
16					
17					
18					

Additional Notes:

- wet fall (abnormal)
- grouse
- moose tracks.

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Arch 9 — MSP ID

Rtv Icd — Property Name

oct 1/14 — Date

Etienne/Yves — Surveyor

Montana — GPS Used

X, Y Coordinates

Dominant Ground Cover: - grasses

Assessment of overall health: good health.

Amphibians, birds, mammals observed:

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[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Sb	32			
2	Sb	25			
3	Sb	32			
4	Sb	31			
5	Sb	26			
6	Sb	24			
7	Sb	17			
8	Sb	28			
9	Sb	24			
10	Sb	37			
11	Sb	20			
12	Sb	14			
13					
14					
15					
16					
17					
18					

Additional Notes:

- a few trees just out, density is good around plot.

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duck 10 — MSP ID

Duchaine 10 Rte-16 — Property Name

Oct 1 /14 — Date

Etienne / Yves — Surveyor

Montana. — GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- Good

Amphibians, birds, mammals observed:

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[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	29			
2	Pr	18			
3	Pr	24			
4	Pr	22			
5	Pr	35			
6	Pr	35			
7	Pr	22			
8	Pr	32			
9	Pr	26			
10	Pr	32			
11					
12					
13					
14					
15					
16					
17					
18					

Additional Notes:

- may have missed trees during the count.

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duch 11
MSP ID

Duchene 11 Rtr-lcd
Property Name

oct 1/14
Date

Etienne / Yves
Surveyor

Montana.
GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- good.

Amphibians, birds, mammals observed:

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[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Sb	41			
2	Sb	25			
3	Sb	32			
4	Sb	48			
5	Sb	46			
6	Sb	34			
7	Sb	57			
8	Sb	35			
9	Sb	29			
10	Sb	41			
11	Sb	41			
12	Sb	42			
13	Sb	46			
14	Sb	29			
15	Sb	31			
16	~~Sb~~				
17					
18					

Additional Notes: - check delineation from Pr to Sb

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Dvch22 (4) — MSP ID

Duchesne 22 Rtv - lab — Property Name

Oct 4/14 — Date

Etienne/Yves — Surveyor

Montana — GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- excellent plot

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

Planted Tree			Pre-existing Tree		
#	Species	Height (cm)	#	Species	Height
1	Pr	32			
2	Pr	33			
3	Pr	25			
4	Pr	20			
5	Pr	20			
6	Pr	29			
7	Pr	29			
8	Pr	26			
9	Pr	20			
10	Pr	34			
11	Pr	30			
12	Pr	27			
13	Pr	23			
14	Pr	13			
15	Pr	19			
16	Pr	23			
17					
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duch 12
MSP ID

Duchesne 12 Rtv - Ice
Property Name

oct 1 / 14
Date

Efrain / Yves
Surveyor

Montana
GPS Used

X, Y Coordinates

Dominant Ground Cover:
- grasses

Assessment of overall health:

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	29			
2	Pr	34			
3	Pr	26			
4	Pr	21			
5	Pr	33			
6	Pr	27			
7	Pr	23			
8	Pr	21			
9	Pr	15			
10	Pr	34			
11	Pr	24			
12	Pr	23			
13					
14					
15					
16					
17					
18					

Additional Notes: - plot adjacent to trail, mowed slightly.

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duck 13
MSP ID

Duchanel 13 Rtr - Icd
Property Name

Oct 1/14
Date

Extreme / Yves
Surveyor

Montana.
GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	31			
2	Pr	29			
3	Pr	27			
4	Pr	27			
5	Pr	33			
6	Pr	31			
7	Pr	16			
8	Pr	33			
9	Pr	27			
10	Pr	26			
11	Pr	34			
12	Pr	32			
13	Pr	26			
14					
15					
16					
17					
18					

Additional Notes:

- good
- wet, abnormally wet fall/summer.

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Jack 14
MSP ID

Oct 1 /14
Date

Montana.
GPS Used

Dominant Ground Cover:

Jackpine 15 Rtv-1c
Property Name

Etienne / Yves
Surveyor

X, Y Coordinates

Assessment of overall health:

– good

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pv	24			
2	Pv	31			
3	Pv	16			
4	Pv	15			
5	Pv	19			
6	Pv	24			
7	Pv	24			
8	Pv	28			
9	Pv	27			
10	Pv	24			
11					
12					
13					
14					
15					
16					
17					
18					

dead.

Additional Notes:

- grass
- thick grass.
- 2 trees immediately outside plot.

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Ducks 15 — MSP ID

Ducks 15 Ltr Ico — Property Name

Oct 1/14 — Date

Etienne / Yves — Surveyor

Montana — GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- good

Amphibians, birds, mammals observed:

- moose tracks

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	26			
2	Pr	28			
3	Pr	26			
4	Pr	26			
5	Pr	18			
6	Pr	31			
7	Pr	19			
8	Pr	25			
9	Pr	18			
10	Pr	25			
11	Pr	21			
12	Pr	30			
13	Pr	22			
14	Pr	30			
15					
16					
17					
18					

Dead -

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duck 16 _____ _____

MSP ID — Property Name

_____ _____

Date — Surveyor

_____ _____

GPS Used — X, Y Coordinates

Dominant Ground Cover:

_____

Assessment of overall health:

_____

_____

Amphibians, birds, mammals observed:

_____

_____

_____

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pv	16			
2	Pv	38			
3	Pv	25			
4	Pv	40			
5	Pv	23			
6	Pv	24			
7	Pv	37			
8	Pv	29			
9	Pv	15			
10	Pv	33			
11	Pv	41			
12	Pv	27			
13	Pv	36			
14	Pv	28			
15					
16					
17					
18					

Dead –

Dead –

Dead.

Dead

Additional Notes:

Some mortality

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the 50m^2 sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duck 17
MSP ID

Duckcamp 17 . Rtv-Icd
Property Name

Oct 1/14
Date

Etienne / Jues
Surveyor

Montana.
GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- Good.

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	29			
2	Pr	29			
3	Pr	21			
4	Pr	27			
5	Pr	26			
6	Pr	32			
7	Pr	31			
8	Pr	24			
9	Pr	22			
10	Pr	22			
11	Pr	30			
12	Pr	22			
13					
14					
15					
16					
17					
18					

Additional Notes:

- fresh moose scat
- partridge / grouse

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Buch18 _____ MSP ID

_____ Property Name

_____ Date

_____ Surveyor

_____ GPS Used

_____ X, Y Coordinates

Dominant Ground Cover:

_____

Assessment of overall health:

_____

_____

Amphibians, birds, mammals observed:

_____

_____

_____

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[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	18			
2	Pr	25			
3	Pr	29			
4	Pr	19			
5	Pr	36			
6	Pr	17			
7	Pr	30			
8	Pr	20			
9	Pr	24			
10	Pr	26			
11	Pr	18			
12					
13					
14					
15					
16					
17					
18					

Dead -

Additional Notes:
not

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duck 19
MSP ID

Duckbone 19 Rtv-Ice
Property Name

Oct 1, 2014
Date

Ehrens / Yves
Surveyor

Montana.
GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

Good to excellent

Competition under control for now.

Amphibians, birds, mammals observed:

Redwing blackbird.

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	31			
2	Pr	23			
3	Pr	32			
4	Pr	34			
5	Pr	28			
6	Pr	23			
7	Pr	24			
8	Pr	30			
9	Pr	22			
10	Pr	31			
11	Pr	27			
12	Pr	16			
13					
14					
15					
16					
17					
18					

Dead –

Additional Notes:

Pr – dead - 22

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duda 20
MSP ID

Duchene 20 Rtv-Ld.
Property Name

Oct 1/14
Date

Etienne/Yves
Surveyor

Montana.
GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

-good

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

Planted Tree			Pre-existing Tree		
#	Species	Height (cm)	#	Species	Height
1	Sb	21			
2	Sb	20			
3	Sb	23			
4	Sb	30			
5	Sb	27			
6	Sb	29			
7	Sb	23			
8	Sb	23			
9	Sb	20			
10	Sb	17			
11	Sb	21			
12	Sb	26			
13	Sb	24			
14	Sb	27			
15	Sb	23			
16	Sb	27			
17	Sb	28			
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duch 24 — MSP ID

Duchess 21 Ltv - Icd. — Property Name

Oct 1/14 — Date

Ethne Lopes — Surveyor

Montana. — GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- good

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr Sb	23			
2	Pr Sb	24			
3	Pr Sb	27			
4	Sb	21			
5	Sb	26			
6	Sb	26			
7	Sb	24			
8	Sb	29			
9	Sb	23			
10 (dead)	Sb	16			
11	Sb	25			
12	Sb	25			
13	Sb	26			
14					
15					
16					
17					
18					

Additional Notes:

- 3 were just out of plot edge.
- very wet, abnormal rainfall in 2014

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Duch [redacted] (23)
MSP ID

Duclare 23 Rtr lab
Property Name

Oct 1/14 (GPS says 22)
Date

Etienne/Yves
Surveyor

GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- good

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Sb	41			
2	Sb	25			
3	Sb	32			
4	Sb	48			
5	Sb	46			
6	Sb	34			
7	Sb	57			
8	Sb	35			
9	Sb	29			
10	Sb	41			
11	Sb	41			
12	Sb	42			
13	Sb	46			
14	Sb	29			
15	Sb	31			
16	~~Sb~~				
17					
18					

Additional Notes: - check delineation from Pr to Sb

Sampling Plan and Tally sheet for OBAP Monitoring Events

At the office:

1. The surveyor will establish centerlines that cross representative portions of an area of species planted within a project area. Where black spruce and red pine are planted and delineated, they will receive separate centerlines.
2. Centerlines will be marked on maps prior to sampling.
3. Up to 5 equality distant points will divide the centerline of the project area or a particular quadrant within a project area.

In the field:

4. Centerlines will be walked prior to sampling to identify abnormalities. [1]
5. The surveyor will walk to each point; flip a coin to determine if the MSP will be established 15 paces to the left, or 15 paces to the right. This location will be the center point of the $50m^2$ sample plot. Surveyor will follow SOP#2 and record the following information.
6. For areas identified as abnormal, the surveyor should track the boundaries using a handheld GPS and establish a centerline.

Dvch22 (4)
MSP ID

Duchesne 22 Rtv - lab
Property Name

Oct 9/14
Date

Etienne/Yves
Surveyor

Montana
GPS Used

X, Y Coordinates

Dominant Ground Cover:

Assessment of overall health:

- excellent plot

Amphibians, birds, mammals observed:

[1] *Abnormalities include any areas greater than 0.5 hectare in size which do not meet growth expectation or require further treatments or should be left out. Eg: high competition, high mortality, low densities or new water pooling. These should be delineated to calculate the area (ha) separately and have their own centerlines such that treatments may be applied and monitored accordingly.*

Sampling Plan and Tally sheet for OBAP Monitoring Events

	Planted Tree			Pre-existing Tree	
#	Species	Height (cm)	#	Species	Height
1	Pr	32			
2	Pr	33			
3	Pr	25			
4	Pr	20			
5	Pr	20			
6	Pr	29			
7	Pr	29			
8	Pr	26			
9	Pr	20			
10	Pr	34			
11	Pr	30			
12	Pr	27			
13	Pr	23			
14	Pr	13			
15	Pr	19			
16	Pr	23			
17					
18					

Additional Notes: