

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 50m² 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.

<u>JNG-11</u>	<u>Brooks 2 JNG-11</u>
MSP ID	Property Name
<u>Oct 6 / 14</u>	<u>Kaa/Yues</u>
Date	Surveyor
<u>SX Blue</u>	
GPS Used	X, Y Coordinates
Dominant Ground Cover:	

Assessment of overall health:

- good.

Amphibians, birds, mammals observed:

white-crowned sparrows

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	30			
2	Sb	23			
3	Sb	22			
4	Sb	20			
5	Sb	23			
6	Sb	24			
7	Sb	26			
8	Sb	25			
9	Sb	27			
10	Sb	22			
11	Sb	18			
12	Sb	29			
13	Sb	27			
14	Sb	23			
15	Sb	23			
16	Sb	31			
17					
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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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 50m² 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.

_____ ING 3 _____
MSP ID

_____ Oct 6/14 _____
Date

_____ SXBLUE II GNSS _____
GPS Used

Dominant Ground Cover:

_____ Brookes 3 ING-7A _____
Property Name

_____ Kona/Pues _____
Surveyor

X, Y Coordinates

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	Sb	10		Bf	12
2	Sb	28			
3	Sb	12			
4	Sb	33			
5	Sb	29			
6	Sb	29			
7	Sb	34 34			
8	Sb	23			
9	Sb	20			
10	Sb	15			
11	Sb	17			
12	Sb	25			
13	Sb	23			
14	Sb	28			
15	Sb	36			
16	Sb	17			
17					
18					

dead

Additional Notes:

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ING-14
MSP ID

Oct 6/14
Date

SX Blue
GPS Used

Dominant Ground Cover:

Bushes 14 - ING-11
Property Name

Kara / Yves
Surveyor

X, Y Coordinates

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	30		Sb	26
2	PR	25			
3	PR	31			
4	PR	27			
5	PR	28			
6	PR	18			
7	PR	28			
8	PR	31			
9	PR	26			
10	PR	27			
11	PR	29			
12	PR	25			
13	PR	23			
14					
15					
16					
17					
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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JNG-11
MSP ID

Oct 2 / 14
Date

Sy Blue
GPS Used

Dominant Ground Cover:

Roothes 11 JNG-11
Property Name

Rona / Yves
Surveyor

X, Y Coordinates

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	Sb	41			
2	Sb	42			
3	Sh	28			
4	Sb	40			
5	Sb	39			
6	Sb	21			
7	Sb	30			
8	Sb	32			
9	Sb	35			
10	Sh	47			
11	Sb	27			
12	Sb	38			
13	Sb	43			
14	Sb	44			
15	Sb	27			
16	Sh	19			
17	Sb	23			
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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ENG-12
MSP ID

Oct 6/14
Date

Sx Blue
GPS Used

Dominant Ground Cover:

Brookes 12 ENG-11
Property Name

Kara/yues
Surveyor

X, Y Coordinates

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	Sb	26			
2	Sb	15			
3	Sb	26			
4	Sb	24			
5	Sb	21			
6	Sb	25			
7	Sb	29 31			
8	Sb	25			
9	Sb	23			
10	Sb	21			
11	Sb	32			
12	Sb	25			
13	Sb	13			
14	Sb	18			
15	Sb	27			
16	Sb	25			
17	Sb	18			
18	Sb	31			

dead
dead

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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ING-13
MSP ID

Oct 6 / 14
Date

Sx Blue
GPS Used

Dominant Ground Cover:

Brooks 13 ING-11
Property Name

Kora / yves
Surveyor

X, Y Coordinates

Assessment of overall health:

- good / really 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	28			
2	Sb	29			
3	Sb	25			
4	Sb	20			
5	Sb	29			
6	Sb	25			
7	Sb	22			
8	Sb	26			
9	Sb	24			
10	Sb	20			
11	Sb	25			
12	Sb	27			
13	Sb	20			
14	Sb	33			
15	Sb	27			
16	Sb	36			
17	Sb	32			
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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ING-7
MSP ID

Oct 6 / 14
Date

Sy Blue.
GPS Used
Dominant Ground Cover:

Brookes 7 ING-11
Property Name

Kara / Yues
Surveyor

X, Y Coordinates

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	20		Sb	13
2	Pr	24		Bf	9
3	Pr	32		Sb	43
4	Pr	18		Bf	36
5	Pr	35			
6	Pr	43			
7	Pr	43			
8	Pr	37			
9	Pr	37			
10	Pr	33			
11	Pr	23			
12	Pr	26			
13	Pr	20			
14					
15					
16					
17					
18					

dead

Additional Notes:

Gray Jay.

Sampling Plan and Tally sheet for OBAP Monitoring Events

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ING-4
MSP ID

Oct 6 / 14
Date

Sx Blue
GPS Used

Dominant Ground Cover:

Brushes 4 ING-11
Property Name

Kara/yves
Surveyor

X, Y Coordinates

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	Sb	29			
2	Sb	15			
3	Sb	27			
4	Sb	27			
5	Sb	20			
6	Sb	29			
7	Sb	26			
8	Sb	15			
9	Sb	28			
10	Sb	27			
11	Sb	21			
12	Sb	19			
13	Sb	29			
14	Sb	23			
15	Sb	24			
16	Sb	27			
17					
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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ING-5
MSP ID

Oct 6/14
Date

Sy Blue
GPS Used

Dominant Ground Cover:

Brooks 5 ING-#1
Property Name

Kora / yves
Surveyor

X, Y Coordinates

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	22			
2	Pr	29			
3	Pr	26			
4	Pr	25			
5	Pr	27			
6	Pr	20			
7	Pr	32			
8	Pr	28			
9	Pr	20			
10	Pr	26			
11	Pr	36			
12	Pr	28			
13	Pr	34			
14	Pr	30			
15	Pr	28			
16					
17					
18					

Browse
Damage

Browse
Damage

Additional Notes:

Lady Bug

Sampling Plan and Tally sheet for OBAP Monitoring Events

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JNG-9
MSP ID

Oct 6/14
Date

Sx Blue.
GPS Used

Dominant Ground Cover:

Brooks 9 - JNG-11
Property Name

Kora/Yues
Surveyor

X, Y Coordinates

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
	PR	27			
dead	PR	23			
	PR	31			
	PR	25			
	PR	32			
	PR	24			
dead	PR	27			
	PR	29			
	PR	25			
	PR	17			
	PR	27			
	PR	33			
	PR	27			

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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JNG 8
MSP ID

Oct 6 / 14
Date

Sy Blue
GPS Used

Dominant Ground Cover:

Brookes 8 JNG-11
Property Name

Rosa / mes
Surveyor

X, Y Coordinates

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	15			
2	Pr	24			
3	Pr	18			
4	Pr	12			
5	Pr	24			
6	Pr	23			
7	Pr	13			
8	Pr	32			
9	Pr	25			
10	Pr	30			
11	Pr	20			
12	Pr	15			
13	Pr	26			
14	Pr	20			
15					
16					
17					
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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ING-10
MSP ID

Oct 6/14
Date

SyBlue
GPS Used

Dominant Ground Cover:

Brooks 10 ING-11
Property Name

Kara/ynes.
Surveyor

X, Y Coordinates

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	Sb	25			
2	Sb	35			
3	Sb	27			
4	Sb	29			
5	Sb	23			
6	Sb	33			
7	Sb	24			
8	Sb	29			
9	Sb	25			
10	Sb	26			
11	Sb	20			
12	Sb	24			
13	Sb	24			
14	Sb	31			
15	Sb	26			
16					
17					
18					

Additional Notes:

Sampling Plan and Tally sheet for OBAP Monitoring Events

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ING-16
MSP ID

Oct 6/14
Date

Sx Blue.
GPS Used

Dominant Ground Cover:

Brooks/6
Property Name

Kara /mes
Surveyor

X, Y Coordinates

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	20			
2	Pr	32			
3	Pr	18			
4	Pr	29			
5	Pr	33			
6	Pr	24			
7	Pr	22			
8	Pr	23			
9	Pr	24			
10	Pr	30			
11	Pr	26			
12	Pr	24			
13	Pr	32			
14	Pr	40			
15					
16					
17					
18					

Additional Notes:
