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Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLennan mtn Wind Farm UTM Map no.: _____

Date: 05 / 03 / 2010 Observer: RLB
month day

Wind (Beaufort scale): 2-3 Sky: 10%^o Precipitation: none Temp: 12 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	WISN	••						display of SPE
	AMLR	•		☒				calls full
								chews
								calling
								from
								Ticket
	WISN	•						calling from ground

MMCP 4
 large open
 field
 near
 swampy
 thicket
 19:48-
 19:50

Area
 search

display of SPE
 calls full
 chews
 calling
 from
 Ticket

calling from ground

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Melpons Mtn Wind Farm UTM Map no.: _____

Date: 05/03/2010 Observer: LLB

Wind (Beaufort scale): 2-3 Sky: 5% Precipitation: none Temp: 10 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total	
		0-50m	51-100m	>100m	0-50m	51-100m	>100m		
	SOSP							S	Swamp ↓ SPPE calls/Flights Full chow AMTO Flight over swamp?
	AMWO		..					calls/Flights	
	SAVS		.					S	
	SALR			.				call	
	WISN					.		Flight over swamp?	
	AMWO		..					calls/Flights	SPPE Full chow AMTO
	WISN			..				Flights	

MMCP6
point
count
open field
near
Swamp
20:54
21:04

MMCP7
21:11-
21:21
open field
near
mixed forest/
Swamp

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLennan Mtn Wind Farm UTM Map no.: _____

Date: 05 / 04 / 2010 Observer: Richard Baxter

Wind (Beaufort scale) 2-3 Sky: 0% Precipitation: none Temp: 20 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	BEKI	••						call x
	SACR	•						calls distant
	VESP	••						S
<hr/>								
	YBSA			•				call
	CORA			•				call
	NOFL			•				call
	SOSP	•						S
	CHSP		•					S
	AMRO		•					calls
<hr/>								
	NOHA	•						X
	SAVS	••						X
	TUVU	•						f/o

Area search
Car →
1st Point count
17:10-17:20

MMCP13
17:25-17:35
large open field surrounded by forest

Area search

possible pair

GTFK

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
MMCP 14 open wet field surrounded by woodland and swamp 17:49 - 17:59	AMRO		.	.	.			S
	RWBL			.				S
	RUGR			.				drive
	NOFL	.						call
	SOSP				.			S
Area Search	AMRO	..						S trees
	RUGR	.						drive
	HETH	.						S trees
MMCP 15 Large open field 18:30 - 18:40	AMRO			..				S forest
	BLJA			call forest
	NOFL		.					call forest
	BCCIT						.	S
Area search back to car → 19:23	SACR	..						X
	BLJA	..						call
	AMRO	..						X
	COLA	.						call
	HETH	..						S

MMCP 14
open wet field surrounded by woodland and swamp
17:49 - 17:59

Area Search

MMCP 15
Large open field
18:30 - 18:40

Area search back to car

→
19:23

S trees
drive
S trees

S forest
call forest
call forest
S

X
call
X
call
S

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Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Yclems Mtn Wind Farm UTM Map no.: _____

Date: 05 / 04 / 2010 Observer: _____

Wind (Beaufort scale): 1 Sky: 0% Precipitation: none Temp: 20 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
MMCP16 20:27- 20:37 open field east end of Perch Lake	CAGO			..				Lake
	AMRO			.				S tiers
	SAUS		.					S
	SACR			..				W end of lake / fo
	WLWR			.				S
MMCP17 20:41- 20:51 open wet field E end Perch Lake	RWBL		.					S
	MOPO		.					coll
	SACR	.			.			fo
	SWSP		.					S

SPPF
full chow
1/2 hr
min 5/15

SPPF
full
chow
wet
field.

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Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLennan Mtn - Breeding Forest birds UTM Map no.: _____

Date: 06 / 02 / 2010 Observer: RLB

Wind (Beaufort scale): 0 Sky: 100% Precipitation: very light Temp: 15 °C
for short period

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	CCSP	00						0
	BRLH	0						0
	SAYS	0						0
	COYE	00						0
	ALFL	0						0
	WTSP	00						0
	SACK	00						0
	SOSP	00						0
	BLSA	0						0
	NAWA	0						0
	CHSP	0						0
	YBSA	0						0
	AMWD	0						0
	AMLE	0						0
	OVEN	00						0

Aren search
Greenbrush
Red to
Turbine 11
5:35 →
open field at
forest edge

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
T11 PC1 (100m from T11) - Mixed forest 6:12- 6:22	VEFR		.					S
	BTNW	.						S, calls
	REVI		.	.				S
	OVEN		.	.				S
	YBSA			.				down
	UKWD			.				down
	BCCU			.				call
	AMCR			..				call
	PIWA				.			S
	LEFL					.		S
T11 PC2 mixed forest (300m from T11) 6:35- 6:45	REVI		.					S
	BAWW	.						S
	BTNW		.					S
	BCCH	..						S
	OVEN		.					S
	EAWP			.				S
	RUGR		.					down
VEFR LEFL					.		call	
Area search towards TB	REVI	.						S
	OVEN	..						S
	YBSA	.						flap, X
	SACR	.						call, 15m+
	BAWW	.						S

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): _____ UTM Map no.: _____

Date: ___/___/20___ Observer: _____

Wind (Beaufort scale): 1 Sky: 20% Precipitation: none Temp: 20 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	SCTA		0					S
	OVEN		2					S
	COLA			1				call
	YBSA	1						call
	BALW							S
	PIWD			2				call
	REVI			2				S
	BCCH			2				S/call
	YRWA	1						S
	WTSP					1		S
	AMGR				2			S
	VEFL					1		call
	NANA				1			S

TOPC
mixed-bird
(100m
from T8)
7:11-
7:21

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Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
T8P22 Mixed forest 7:32- 7:42 (500m from T8)	GCFE	.						S
	REVI	.						S
	OVEN		.					S
	BTNW		.					S
	WTSP		.					S
	BALW	.						S
	VEER			.				call
	BLJA	.						call
AMRO					.		S	
Area search towards T3	BTNW	..						S
	REVI	..						S
	VEER	.						S
	WTSP	.						S
	SOSP	..						S
	CHSP	.						S
	CORA	..						X
	RD RIBW	XXXXXX						X
	SALC	..						X
	AMRO	.						S
	SAUS	.						S
WIWR	.						S	
T3P1 (100m from T3) maple stream (young) 8:33-8:43	DOWA	.						S
	OVEN		.					S
	REVI	.			.			S
	BTNW		.					S
	RIBW			..				call
	DOWO				.			call

WORK
Bever
FE
Bear
TK
open field
field

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): _____ UTM Map no.: _____

Date: ___/___/20___ Observer: _____

Wind (Beaufort scale): 1 Sky: 40% Precipitation: no Temp: 20 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	OVEN	0						5
	REVI	1	1					2
	YRWA		1					1
	BTNW	1			1			2
	WILW		1					1
	RBBC		1					1
	NOWA				1			1
	RBWV				1			1
	VEER				1			1
	CAWA				1			1
	REVI	0						5
	CAWA	1						1
	OVEN	1						1
	RVAR	1						1
	RBBC	1						1
	YBSA	1						1

T3PC2
300m from T3
mixed forest
0:53-
0:03

Area search heading to T7

T7PC1
(100m from
T7)
mixed
forest
9:28-
9:38

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	VEEK	1						1
	REVI		1	1				2
	BTNW		1					1
	OVEN					1		1
	NOWA		1					1
	UKHO							1
								drum

T7PC2
300m
from T7
Maple
Swamp
9:49-
9:59

	REVI	1	1					2
	NOWA		1					1
	VEEK			1				1
	REAV			2				2

3
S
call + 10

Area
search
towards
T14

	OVEN	1						1
	REVI	1						1
	BAW	1						1
	BTNW	1						1
	WHIT	1						1
	FAWP	1						1
	NOFL	1						1
	PIND	1						1
	SOSP	1						1

call
call
S

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): _____ UTM Map no.: _____

Date: ___/___/20___ Observer: _____

Wind (Beaufort scale): 1 Sky: 90% Precipitation: none Temp: 20 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	PIWU	.	.					X, call
	REVI		.					S
	WDT4			.				S
	OVEN							S
	LEFL	.	.					S
	RRGW			..				calls, f/a
	DOWO					.		call
	RTHU				.			calls, buzz, hum
	BAOW				.			many x up
								in sight
								right
								by PC
								(15m)

T14 PC1
Maple
FOO
10:23-
10:33
100m from
T14

light
rain

T14 PC2
(300m
from T14)
Maple Ash
FOO
10:43-10:53

	LEFL	.						S
	BAOW		.					S
	EAWP		.					S
	OVEN		.					S
	BCFL			.				S
	REVI		.	.				S
	CEOW		.					S
	RRGW YBSA		.					S
	VEER			.				S

feeding, call, X

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Area search
to
Greenbush
Red
Field/
Forest
edge.
→ 11:15

White
adams
Minor

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	MOOD	•						5
	CHSP	••						5
	VESP	•						5
	GCFL	•						5
	SACR	••						5
	SOSP	••						X
	BLSA	•						5
	SAVS	•						5
	BRTH	•						5
	EAPH	•						5
	AMCR	••						5
	NOFL	•						calls
	CCSP	•						X
								5
<hr/>								
	CCSP	•						5
	SAVS	•						5
	SACR	••						5
	SOSP	••						calls X
	COYE	•						5
	ALFL	•						5
	BTNLW	•						5
	AMRE	•						5
	OVEN	•						5

Area search
from
greenbush
to T17
open field
willow
thicket/
forest edge
13:30-
14:40

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): _____ UTM Map no.: _____

Date: ___/___/20___ Observer: _____

Wind (Beaufort scale): 2 Sky: 70% Precipitation: none Temp: 22°C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	REVI	•	•			•		3
	HETI		•					1
	OVEN	•				•		2
	LEFL			•				1
	OVEN		••					2
	LEVI		•	••				3
	UKWO		•					1
	RBLV						•	1
	AMCR						•	1

T17PQ
Maple
FOD
(100m from
T17)
11:56-
12:06

T17
PC2
(300m
from T17)

Maple
FOD
12:15-12:25

Seal
call 7/10
Call

P1 of 4

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLennan Mtn - Crepuscular Surveys UTM Map no.: _____
 Date: 06/02/2010 Observer: RLB
 Wind (Beaufort scale): 3 Sky: 100% Precipitation: none Temp: 20 °C
 Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	AMBI	•						call
	BRTH	•						S
	AMRO	••						S
	WTSP	•						S
	HETH			•				S
	NOFL		•	x				x
	AMRO			•	••			S, flo
	AMBI			•				call
	GBHE		•					flo
	SOSP		•					S
	CHSP		•					S
	VESP		•	•				S
	AMRO			•				S
	BLSA			•				S
	BAWH						•	S - farnt
	KVBL						••	x call/S - to Survey wetland

18:52-19:03
 19:03-19:13
 Road / quad trail
 to point count 1
 Open woodland
 nearby wetland
 MMCP 1
 open field

NLFR

••
 ••

••
 x call/S - to Survey wetland

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Mcleans Mtia Crepuscular UTM Map no.: _____

Date: 06/02/2010 Observer: RLB

Wind (Beaufort scale): 2 Sky: 75% Precipitation: none Temp: 20 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	MERL	'						X
	VEBP	'						S
	AMRO			'				S
	HETH			'				S
	RBQU			'				F/O
	OVEN			'				S
	COGR	'						F/O
	SOSP				'		'	X, S
	CHSP				'			S
	COYE						'	S
	COYE		'					S
	AMRO			'				S
	SAVS			'				S
	HETH			'				S
	WTSP						'	S
	BETH						'	S
	CONI						'	S

Before PC
20:42
-20:52
MMCP4
open field surrounded by woodland

MMCP5
large open field, woodland forest distant

21:04
21:14

GTR

GTR

crit/drop by noise

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLennan Mt₂ - Forest birds UTM Map no.: _____

Date: 06/03/2010 Observer: RLG

Wind (Beaufort scale): 0 Sky: 100% Precipitation: very light start Temp: 15 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	MOOO	•						S
	WTSP	•••						S
	AMPO	••••						S
	YFEWA	••••						S
	AMBI	•						call
	OVEN	••						S
	BAWW	••						S
	SOSP	••						S
	VEER	••						S
	MEET	••						S
	REVI	•						S
	MAWR	•						S
	SWSP	••						S
	RWBL	••						S
	COVE	•						S
	ALFL	••						S
	AMRF	•						S
	SORA	•						call
	AMRD	•						S
	WDDV	•						X

NOFL •
CARA •

AMU
Search
Towards
~~FWD~~
5:31
5:51-

GRFC

12 of 9

T31PC1
(100m from T31)
Mixed Forest
7:13-7:23

T31PC2
(300m from T31)
EOM
7:30-7:40

Area Search towards T43

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	OVEN	••						S
	VEER			•				S
	REVI		•					S
	HETH			•				S
	YRWA	*	•					S
	BLCIT		•					S
	AMRO		•					S call
	CHSP	•						S
	DOWO		•					call
	CORA			•				call
	OLWA	•						S
	BLJA				•		•	call f/o
	PBGR						•	call distant
	CEOW				•			S, f/o
	WTSP	•						S
	YRWA	•	•					S
	AMRO		•					S
	BLJA	•			•			Call, f/o
	OVEN		••					S
	CORA			•				call distant
	NOFL	•						call
	BTNW	••						S
	BLJA							
	BAWW	•						S
	BLCIT	•						S
	BLJA	•						call
	OVEN	•						S
	VEER	•						S

brv per

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLeans Mtn - Forest Birds UTM Map no.: _____

Date: 06/03/2010 Observer: RLB

Wind (Beaufort scale): 1 Sky: 100% Precipitation: none Temp: 15°C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	SCTA	•						5
	AMRO		••		•			5
	RTNW	•						5
	BAWW	•						5
	RBNV	•						5
	OVEN		•					5
	BLJA	•			••		•	5 call, X, A
	CEOW	••						5
	EAWP						•	5
<hr/>								
	RTNW	••						5
	AMRO	•						5
	BLJA			•				5 call
	OVEN	•						5
	BAWW	•						5
	BCCIT		•					5 call
	REVI			•	•			5

T43
PC1
(100m from T43)
FOM
7:56-8:06

T43 PC2
FOM
(300m from T43)
8:14-8:24

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): _____ UTM Map no.: _____

Date: 06/03/2010 Observer: _____

Wind (Beaufort scale): _____ Sky: _____ Precipitation: _____ Temp: _____ °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	BTNW	••						5
	REVI	•						3
	OVEN	••						3
	SABS	•						3
	SOSP	••						3
	AMRO	•						3
	YFWA	••						3
	NOFL	••						call
	COYE	••						3
	BCCH	•						3
	CHSP	•						3
	WTSP	•						3
	BRTI	•						3
	BLTA	•						call
	RWBL	••						X, S
	AMWD	••						3
	CEOW	•						3
	AMBI	•						call

Area search from T41PCZ to T31 to Beaver pond from open field/woodland Beaver pond

Monarch

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Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
Area Search heading towards T34 11:07 - 11:35 Open pasture/forest	BOBO	''						5
	SOSP	'						5
	AMRO	'						5
	OVEN	''						5
	INBV	'						5
	REVI	'						5
	BLJA	'						call
	AMRO	'						5
	NOFL	'						X
	AMRE	'						
T34 PC1 (Close to T34) 11:40 - 11:50 FOD Ash-pipit	REVI	''	'					5
	FAWP	'						5
	BALW		'					5
	OVEN					'		5
	REVI HETH					'		5
T34 PC2 (~300m from T34) FDM 11:56 - 12:06	REVI	'	'					5
	HETH			'				5
	SOSP		'					5
	AMRO		'					5
	OVEN					'		5

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): _____ UTM Map no.: _____

Date: 06/03/2010 Observer: RLB

Wind (Beaufort scale): 3 Sky: 90% Precipitation: none Temp: 18 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	REVI	••						5
	MAWA	••						5
	RURR	:						draw
	CORA	••						call
	IRWA	•						5
	HETH	•						5
	STNW	•						
	BAWH							

Area search
 Towards T1B
 from Prich Lake Rd
 12:46-
 12:54
 open field
 forest edge/
 FOM

P. B. A. B.

T10PC1
(100m from
T10)
13:09-
13:19
FOM

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	AMBL							
	OVEN		°					~
	REVI	°	°					~
	RBGR	°						~
	CORA			°°				calls distant
	BLJA	°						call
	BTNW					°		~
	NOFL						°	call

T10PC2
(300m
from T10)
FOM
13:24-
13:34

	CORA			°°				calls distant
	CAWP		°					~
	REVI	°°	°					~
	BTNW		°					~
	SACR			°°				distant

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLeans Mtn. Crepuscular UTM Map no.: _____

Date: 06/03/2010 Observer: RLB

Wind (Beaufort scale): 2 Sky: 50% Precipitation: none Temp: 20 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	GCFL	.						S
	YBSA	..						copied, perit
	CORA	..						f/d, calls
	AMRO	.						S
	COYE	.						S
	WTSP	.						S
	SACR	..						X
	YELW	.						S
	SOSP	.						S
	RSGU	..						f/d
	BAWW	.						S
	OVEN	.						S
	RSGU	~500						flying over field
	CORA			..				f/d
	SAVS			.				S
	REVI			.				S - trees
	BTNW			.				S - trees
	OVEN			.				S - trees
	SACR							calls, distant

Area search
Truck to
MMCP 15
Forest wood
fields
19:10 -
19:24

MMCP 15
19:31 -
19:41

WTJ

ns

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Melmas Mtn Crepuscular UTM Map no.: _____

Date: 06/03/2010 Observer: RLB

Wind (Beaufort scale): 1-3 Sky: 100% Precipitation: none Temp: 15 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	SACR			"				call
	COLO			"				call / Periscope
	WTSP			"				+ res S
	VFSP			"				S
	VEER			"				S + res
	YUNA			"				S + res
	MIDO		"					S
	CHSY			"				S
	B&V			"				S
	SAVS			"				S
	SAVS			"				S
	CAFO			"				call
	MALL			"				call
	UPSA			"			"	call
	AMWD			"			"	call

MMCP16
21:22-
21:32

MMCP11
21:55-
22:05

GTR

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Adelans Mtn - Forest Birds UTM Map no.: _____

Date: 07/07/2010 Observer: RLB

Wind (Beaufort scale): 1 Sky: 30% Precipitation: none Temp: 20 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	UPSA	0						5
	AMAD	0						5
	SOSP	0						5
	CCSP	0						5
	CHSP	0						5
	WTSP	0						5
	BCLH	0						5
	VESP	0						5
	AMRE	0						5
	REVI	0						5
	WRNV	0						5
	BTNW	0						5
	OVEN	0						5
	WOTH	0						5

Area Search
 Greenbush Road to
 Turbine 14
 5:32-
 open field
 forest
 edge

GAFR
 in
 pond

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLenny Mtn - Forest birds UTM Map no.: _____

Date: 07/07/2010 Observer: RLB

Wind (Beaufort scale): 0 Sky: 100% Precipitation: none Temp: 25°C

Comments: humid

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	REVI	'	•					S
	NOWA	•	X					S
	OVEN			•				S
	BTNW		'					S
	VEER		•	•				S, call
	AMRO					•		call
	VEER	'						X
	WIWR	'						S
	VEER		•	••				S, call
	BTNW	•						S
	BCH	•						S, call
	WIWR				•			S
	REVI				•			S

T7PC2
SWD
7:09-
7:19

Between
T7PC2 &
T7PC1

T7PC1
FOM/SUM
7:30-
7:40

AREA

X, call, F

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
Area 500m	CAWA	•						S, X, feeding
	VEER	•••						S, X
	MYWA	•••						X, S
T7 T3 SUM								
T3PC2 FOM 7:56- 8:06	BCCH	••						call, S
	VEER		•	•		•		call, S
	WTSP			•				S
	VIWR			•				S
	OVEN			•				S
T3PC1 8:15- 8:25 SWD	REVI			•			•	S, call
	LIWR	'						S
	VEER		••					call, S
	YBSA			•				

CAWA
in exact
same
location
as previous
survey

P.5 of 10

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLeans Mtn - Forest Road UTM Map no.: _____
 Date: 07/07/2010 Observer: PLK
 Wind (Beaufort scale): 1 Sky: 100% Precipitation: None Temp: 25 °C
 Comments: low moderate fog

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	BTNW	..						S
	WTSP	.						S
	OVEN	.						S
	AMRO	.						X
	CORA	.						Call
	WILW	.						S
	BAWW	.						S
	REVI	..						S
	SARS	..						S
	GCFL	.						S
	NOWA	.						S
	CHSP	.						S
	NOFL	.						Call
	SACH	..						Call
	CORA	..						Call

Area search between T3 & T8 SWD / Open/edge

Add

P 6 at 10

T0PC2
FOM
9:11-
9:21

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	BTNW		•					S
	REVI		••	•				S
	WWR	•	•					S
	OVEN	•	•					S
	RBNU			•				S
	BAW	•						S
	SCTA					•		S

T0PC1
FOM
9:28-
9:38

	MYWA	•						S
	BTNW			•				S
	OVEN	•						S
	BLJA			•				call
	HETH			•				S
	BCCH		•	••				call/S
	REVI						•	S

T11PC2
FOM
9:48-
9:58

	BLJA		•	•				call
	OVEN	•						S
	REVI	•						S
	BCCH		•					S/call
	HETH			•				S
	BTNW			•		•		S
	EAW		•					S
	BWMA					•		Call
	MYWA					•		S
	HAWO				•			call

T11PC1
FOM
10:07
10:17

	HETH	•						S
	BCCH	••						call/S
	OVEN	•						S
	BTNW		•					S
	BAW					•		S

SCTA

S

17 of 10

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLean Mtn Forest Birds UTM Map no.: _____

Date: 07/07/2010 Observer: RLB

Wind (Beaufort scale): 1 Sky: 40% Precipitation: none Temp: 25°C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	AMRE	•						5
	OVEN	•						5
	LCSP	•						5
	AMCR	•						calls
	COBE	•						calls/A's
	UBSA	•						call
	MODO	•						call

Area search
Till to car
FROM edge of open field
10:35

Monarch
red admiral
wood thrush

p. 9 of 10

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLeans Mtn - Forest birds UTM Map no.: _____

Date: 07/07/2010 Observer: RLB

Wind (Beaufort scale): 1 Sky: 20% Precipitation: none Temp: 25 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	KILL	0						call
	COYE	0						S
	INBU	0						S
	CHSD	0						X, S
	EAWA	0						S
	REVI	0						S
	HETI		0					S
	REVI		0	0				S
	OVEN		0					S
	AMRE	0						S

Area Search (contingent ed)
 CARTO
 T17
 11:51 →
 open field/ edge
 TIMCI
 FOD
 12:01-
 12:11

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLeans Mtn - Crepuscular UTM Map no.: _____

Date: 07/07/2010 Observer: RLB

Wind (Beaufort scale): 1 Sky: 30% Precipitation: None Temp: 25 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	AMRO	..						call
	BCCIT	..						calls
	AMRE	..						S
	SACR	..						X, open field
	SOSP	..						call
	AMRO		o					call
	CHSP	'						S
	HETH			..				S
	NOFL			..				call
	REVI			..				S
	AMBI			..				call
	CORA			..				call
	BCCO						..	call
	BCCH						..	call
	OVEN						..	S
	RWB						..	S
	BLJA						..	call
	CONI						..	call, X
	NOFL						..	call

Area Search car to MMCP1

19:53-

MMCP1

20:05-

20:15

* West of point count

Flawless open field at end of point count. 25m in hill

E → W

P. 2 ai

4

Area search between 1 & 2 open fields, woodland

M MCP2 8:29-8:39

Area search between 2 & 3

M MCP3 20:50-21:00

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	CHSP	0						S
	AMRO	0						S
	MYWA		0					S
	WTSP		0					S
	HETH			00				S
	SOSP	0						call
	AMRO		0					call
	OVEN			0				S
	AMCR						00	flor
	BLJA						00	call
	HETH			00				S
	CHSP		0					S
	AMRO		0					call
	SOSP	0						S
	REVI			0				S
	NOFL			0				call
	ETHA						0	call
	HAWO						0	call
	CONI						00	call

SW of station 200+ m display birds another CONI calling from E of station

* Walking back to jeep along road at least 4 CONI calling simultaneously & displaying both sides of road. Birds display flights between 75-150m. Possibly some birds same as those recorded on point counts

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLennan Mtn - Crepuscular UTM Map no.: _____
 Date: 07/07/2010 Observer: RLB
 Wind (Beaufort scale): 1 Sky: 20% Precipitation: none Temp: 22 °C
 Comments: moon not visible.

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
MMCP4 21:29 - 21:39	VESP	.						S
	WTSP		.					S
	HETH			.				S
	CONI			..				C
	COYE		.					S
	SDSP		.					S
	VEER			.				S
	BLJA			.				S
SACR		..					call calls, / /	
<hr/> Skipped 5 dup to darkness								
MMCP6 22:03 - 22:13								

E of station ~200m or more

no birds
mosquitoes low

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLeans Mtg - Crepuscular UTM Map no.: _____

Date: 07/07/2010 Observer: RLB

Wind (Beaufort scale): 1 Sky: 20% Precipitation: none Temp: 22 °C

Comments: moon not visible

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
MMCP4 21:29- 21:39	VFSP	•						5
	WTSP		•					5
	HETH			•				5
	CONI			••				5
	COYE		•					5
	SDSP		•					5
	VEER			•				5
	BLJA			•				5
SAR		••					call calls, f/d	
<hr/> Skipped 5 dup to darkness								
MMCP6 22:03- 22:13								no birds
								mosquitoes loud

E of station ~200m or more

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
MMCP7		NO Birds						
22:15- 22:25					Low Mosquitoes (Low enough to obscure distant birds)			
MMCP8		NO Birds						
22:30- 22:40					Low mosquitoes			
MMCP9		NO Birds						
22:45- 22:55					Low mosquitoes			

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLennan Mtn - Forest birds UTM Map no.: _____
 Date: 07/08/2010 Observer: RUB
 Wind (Beaufort scale): 0 Sky: 20% Precipitation: none Temp: 20°C
 Comments: moderate fog at ground level

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	WTSP	..						S
	ITETH	..						S
	SOSP	..						S
	LISP	..						S
	REVI	..						S
	CHSP	..						S
	AMRD	..						S call
	SWSP	..						S
	RWHL	..						Call
	EAKI	..						S
	BARB	..						X
	COYE	..						S
	DOWD	..						Call

Area searched 5:50 →
 Car to first point count (131) field/woodland banner pond meadow

P. 2 at



T31PC1
6:44-
6:54

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	AMRO	°						S
	BTNW	°						S
	HETH			°				S
	MYWA	°						S
	COGR	°°						flor
	OVEN	°		°				S
	HALO	°						call
	MAWA				°			S
	WTSP						°	S
	REVI						°	S

T31PC2
6:59-
7:09

	WTSP		°		°			S
	BLJA	°						call
	HETH		°					S
	VEER		°					S
	MAWA	°						S
	REVI						°	S
	AMRO					°		call
	CORA						°	call distant

T43PC1
7:16-
7:26

	BLJA	°°						
	REVI		°					S
	HETH			°				S
	OVEN		°					S
	BLJA			°°				calls
	SCTA		°					S
	SACR						°	distant calls
	BTNW						°	call

Swan
sheep
lamp

T43PC2
7:34-
7:44
wind up to
B2

	BTNW	°						S
	SCTA		°					S
	GCKI	°						S
	MYWA		°					S
	OVEN		°					S
	REVI							S

Aft PC
VEER : :
BCCIT : :
BTNW :

P. 3 of 5

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): McLeans Mtn - Forest birds UTM Map no.: _____

Date: ^{July} 07/08/2010 Observer: _____

Wind (Beaufort scale): 2 Sky: 100% Precipitation: none Temp: 25 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	VEER			•				call, S
	OVEN	•						S
	AMRO		•					call, S
	BLJA						•	call
	UKWO						•	drum
	BCCH				•			calls
	OVEN	•						S
	RAWW	•						S
	MAWA	•						S
	HEFH			•				S
	MYWA	•						S
	STWV			•				S
	VEER			•				call, S
	RWBL		•					fl
	WTSP		•					S
	BCCH	•						call

T41PC1
 8:01 -
 8:11

T41PC2
 8:20 -
 8:30

REVI • S, call
 RBGV • flo
 BLJA • call

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	CEOW	..						S
	CHSP	..						S
	LEFL	.						S
	AMRO	..						S call
	SLSP	..						S
	SOSP	.						S
	COYE	..						S
	OVEN	.						S
	GLSA	.						call
	BAWW	..						S
	COGR	..						X calls
	SACK	..						X
	REVI	.						S
	MAWL	..						S
	DCCD	..						X
<hr/>								
	SOSP	..						S
	REVI	.						S
	AMRO	..						X
	CEOW	..						S
	CHSP	..						S
	BAWO	..						X grassy field
	SAUS	..						X
	COYE	.						S
	AMCR	..						calls
	SACK	..						call
	OVEN	.						S

Area search
T41PC2
back to car
light precip started
→ 9:10

Area search
car to T34
10:07
open field
forest edge
light precip

grass field

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Melons Mtn - Forest Birds UTM Map no.: _____

Date: 07/08/2010 Observer: RLB

Wind (Beaufort scale): 3 Sky: 100% Precipitation: light intermittent Temp: 25 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
T34P1 10:20- 10:40	EAWP	.						5
	REVI	.	.					
	OVEN		0					
T34P2 10:44- 10:54	REVI		.	.				5 S, X Call
	HETH	..		.				
	BLJA						.	
Arrn Search back to car. → 11:12	CEOW	.						5
	REVI	..						
	EAWP	.						
	OVEN	.						

Appendix 3. Sample data sheet for ten-minute point counts

Location (Site Name): Mclennan Mtn - Crepuscular UTM Map no.: _____

Date: 07/09/2010 Observer: RLB

Wind (Beaufort scale): 2 Sky: 40% Precipitation: none Temp: 25 °C

Comments: _____

Point Count Station

	1	2	3	4	5	6	7	8	9	10
UTM Easting										
UTM Northing										
Time of visit										

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
	KEVI	.						S
	FAWP	.						S
	WESP	.						S
	SACR	.						calls distant
	BETH	.						X
	BCCH	.						calls
	CHSP	.						S
	SACR		..					X, calls
	SOSP	.	.					S
	METH			.				S
	SAVS		.					S
	WBNU			.				S
	BTNW			.				S
	BLJA				.			Call

Area search
can't
M MCP13

~~19:24~~
19:34
woodland
open field

M MCP13
~~19:39~~
19:39-
19:49

Stn	Species Code	First five minutes			Second five minutes			Total
		0-50m	51-100m	>100m	0-50m	51-100m	>100m	
<i>Area search between 13 & 14</i>								
	VESP	'						
	AMCO	::						
<hr/>								
MMCP14 19:54- 20:09	SOSP	''	'					5 call
	GLSP	'						5 WTD
	COYE	'						5
	FAW	'						5
	AMCO	'	'		''			calls X
<hr/>								
<i>Area search between 14 & 15</i>								
<hr/>								
MMCP15 20:38- 20:45	URSA			'				5
	SAYS	''	'					5, X
	SACL		''					X
	AMCR			☒☒				X
	FAWP			'				5
	AMRO						'	5
	COYE						'	5
SOSP						'	5	
<hr/>								
After mmcp 15 21:02	PILO	'						Fla
	USTA	'						

* went out to Sideroad 20 & Greenbush road, still no crepuscular bird activity. However RSHA was heard calling again south of Greenbush in vicinity of Turbine 17 area. (near MMCP6)

JOB N.P. - McClean's Mtn (Mmwp)
DATE Dec. 2, 2010 PAGE 1 of 16

Wetland Evaluation
Community S1 (S1)
Coniferous Swamp (palustrine)

C White Cedar, White Spruce; Balsam Fir
(Bw, Balsam Poplar Spruce)

Mineral Soil

0% Open water

photos 0915

no fish habitat

-beaver, deer

1 dominant form

GPS point 8, 14 - groundwater seeps
1-14 wetland boundary (western)

PARTY CHIEF D. Retvo
WEATHER Light snow; Wind-1; 100% Cloud
Temp 0°C

JOB Mmwp
DATE Dec 2, 2010 PAGE 2 of 16

Community M1
Marsh (palustrine)

* be cattails
de dead coniferous (cedar) 10%
G open water
* dominant form
15% Open water

photos: 0913/0914

potential fish habitat

-beaver

GPS - see S1

PARTY CHIEF
WEATHER

JOB MAMWF
DATE Dec 2, 2010 PAGE 3 of 10

Community 3
Deciduous Thicket Swamp (52)
(FACSTRINE)

* FS - willow sp., sweetgale,
IS - red osier dogwood
DE - Sedges, grass, SU
RE - Sedges spp.
C -
0% open water

* dominant
photos 0916 / 0917
monitored fish habitat @ edge
of community adj. to lake

3 dominant forms?

GPS points - 15 - 41 wetland boundary

3 - deep

PARTY CHIEF
WEATHER

JOB MAMWF
DATE Dec 2, 2010 PAGE 4 of 10

Community 4
Deciduous Swamp (53)
(Lacustrine)

* h - greenwash willow
ne - bulrush; sedges; grasses
* - cattail
brown grass

0% open water

< No fish habitat

* photos - none taken

GPS - points - see S2

GPS points 47

PARTY CHIEF
WEATHER

JOB MMWF
DATE Dec. 2, 2010 PAGE 5 of 10

Community (M3) 6
Marsh (palustrine)

re - bullrush;
* gc - poverty grass; english plantain

* dominant

mineral soil (probable)

0% open water

photos - none taken

PARTY CHIEF

WEATHER

JOB MMWF
DATE Dec 2, 2010 PAGE 6 of 10

Community (M3) 6
Marsh (palustrine)

h - trembling aspen;
* re - sedge; bullrush;
gc - poverty grass;

* dominant form

mineral soil (probable)

5% open water

photos - none taken.

GPS Point

36 seep

PARTY CHIEF

WEATHER

JOB MMWF
DATE Dec. 21, 2010 PAGE 7 of 10

Community (S4) 7

Deciduous Swamp (palustrine)

* h - trembling aspen; log-slash aspen
* s - willow; red-osier dogwood

* dominant

mineral soil (probable)

photos - taken

PARTY CHIEF

WEATHER

JOB MMWF
DATE Dec. 21, 2010 PAGE 8 of 10

Community (S4) 8

Deciduous Swamp (palustrine)

* h - trembling aspen
* s - willow; red-osier dogwood

* dominant form

mineral soil (probable)

photos - none taken

PARTY CHIEF

WEATHER

JOB MMWF
DATE Dec 2, 2010 PAGE 9 of 10

Community 9 (S1)

Coniferous Swamp (riverine)

C - white cedar, white spruce,

grass, ...

1 dominant form
< 1% open water

photo 0918 / 0920

potential fish habitat in creek

GPS Point 42 - 89

PARTY CHIEF

WEATHER

JOB MMWF
DATE Dec 2, 2010 PAGE 10 of 10

Community 10 (M4)

Marsh (palustrine)

* RE - cattail

NE - sedge; aster spp., reed canary
grass, unknown herb

5% open water

photo 0919

beaver dam + lodge
potential fish habitat

GPS - 42 - 89

PARTY CHIEF

WEATHER

JOB NP - McClean's Mtn (MMPF)
 DATE Dec 3, 2010 PAGE 1 of 1

Goat Island ELC

Alvar Habitat

Tree	A	Shrubs	A
BETULAP	O	JUNICOM	O
PIVUSTR	R	sweet gale	O
THUJOC	O	Serviceberry spp.	R
JACK PINE	R	Calm St. John's Wort	R
		Shrubby Cinquefoil	?

HERBS

A

grasses	♀	D	
Solidago	sp.	O	not flat top
Mullein	R	R	
Scirpus	sp.	O	
Evening primrose	R		
Solidago spp	R		possible Houghton's
Indian hemp	R		

(# of plants)

Goldenrod Pt. 140 (3); 141 (1); 142 (2)
 Goldenrod Area (1) = 0.014695 ha
 " (2) = 0.134182 ha

Mixed Forest - Cw, Prob. Aspen; Pw, Bw
 Ash Swamp Inclusion - FRHAPEN

PARTY CHIEF D. Restivo; R. Baxter

WEATHER Partly Cloudy; Wind - 1; Temp - -2°C;
 Cloud - 80% - Precipitation - none

JOB NP - McClean's Mtn (MMPF)
 DATE Dec 3, 2010 PAGE 1 of 6

Community II (palustrine)

Mixed Swamp (S5)

* C - white cedar; balsam fir
 h - trem. aspen

* dominant form

mineral soil (portable)

0% open water

photos - 0933

no fish habitat potential

GPS points - 90 - 92; 96 - 106

102 - Seep

PARTY CHIEF D. Restivo

WEATHER 0°C; Wind - 0; Cloud - 100%
 Precipitation - none

JOB MWWF
DATE Dec 3, 2010 PAGE 2 of 6

Community 12
Swamp (57) (palustrine)

* t.s - willow; red-osier dogwood, ^{tamarack} ~~cow~~
ne - bullrush; aster sp., sedges.
re - cattail
dc - tamarack (10%)
* dominant form

mineral soil (probable)

0% open water

no forest habitat potential

photo 0935

GPS points 93-95

PARTY CHIEF

WEATHER

JOB MWWF
DATE Dec 3, 2010 PAGE 3 of 6

Community 13
Swamp (56) (palustrine)

* h - trem. aspen; ash.
c - white cedar; ^{black spruce} white spruce

* dominant form

mineral soil (probable)

0% open water

photo - 0937

no forest habitat potential

GPS points - 104-106

PARTY CHIEF

WEATHER

JOB MUMWF
DATE Dec 3, 2010 PAGE 4 of 6

Community 14 (58)
Swamp (palustrine)

* TS - red-osier dogwood; willow; Cw
NE - reed-canary grass; Scirpus spp
GC = unknown
ce → cattail

* dominant form
mineral soil (prob)
0 % Open water

Photo 0938
no fish habitat potential
GPS point - none taken

PARTY CHIEF
WEATHER

JOB MUMWF
DATE Dec 3, 2010 PAGE 5 of 6

Community 15 (55)
Swamp (palustrine)

* C - white cedar, balsam poplar; white spruce
famarock
H - trem. aspen; white birch

* dominant form
mineral soil (probable)
0 % open water

photo 0939
no fish habitat potential
GPS Point - 107 - 148

PARTY CHIEF
WEATHER

JOB MMWP
DATE Dec 3, 2010 PAGE 6 of 6

Community 16

(59)

Swamp (Palustrine)

* TS - willow;
H - black ash; tremb, aspen

* dominant form

unknown soil

10% open water

photo - 0940

GPS Point - none taken

PARTY CHIEF

WEATHER

JOB NP - Manitowish
DATE Dec 4, 2010 PAGE 1 of 10

Wetland Evaluation

Community 20

(M5)

Marsh (Riverine)

* RE - cattail;
TS - willow; white cedar, spirea spp, white birch
NE - reed canary grass; sedge spp.

* dominant form

10% open water

mineral soil over bedrock (probable)

photos - 0941-0945

fish habitat potential

beaver dam / lodge, muskrat lodge
Am. Bittern. (summer 2010 obs) -

GPS Point - 149-170 south wetland
#162 - dam (south end) boundary

PARTY CHIEF

WEATHER

D. Restina
Temp - 3°C - Wind - 2; Cloud - 90%
Precipitation - none.

JOB MMWF
DATE Dec 4, 2010 PAGE 2 of 10

Community 22
Marsh (palustrine) (N6)

- * NE - sedge spp, grasses,
- * TS - willow, spruce spp, red dogwood
- H - trem. aspen
- re - Scripus spp
- * dominant form (2)

mineral soil over bedrock (prob.)

0% open water

photo 0946 / 0947

GPS Point 170 - 176
western wetland boundary

PARTY CHIEF

WEATHER

JOB MMWF
DATE Dec 4, 2010 PAGE 3 of 10

Community 23
Swamp (palustrine) (S10)

- * H - trem. aspen,
- C - white spruce; white cedar
- LS - red-osier dogwood; white spruce
- TS - willow; white cedar

* dominant form

mineral soil over bedrock (prob.)

0% open water

photo 0948 - 0949 / 0954 S of T 40
0961 south of T 38

GPS Point 177 - 180
partial western wetland boundary
206 - wetland edge south of T 40

PARTY CHIEF

WEATHER

JOB MHWF
DATE Dec 4, 2010 PAGE 4 of 10

Community 24 (S11)
Swamp (riverine)

* ts - willow; white cedar; speckled alder,
spirea spp, red-osier dogwood
ne - grasses spp;
dh - 10%

* dominant form

unknown soil

1-5% open water

photo - 0950

fish habitat potential

GPS points - 181 - 205
South water boundary

PARTY CHIEF

WEATHER

JOB MHWF
DATE Dec 4, 2010 PAGE 5 of 10

Community 25 (M4)
Marsh (riverine)

* re - cattail;
ne - reed canary grass;
gc - spotted job weed;
ts - speckled alder; red-osier dogwood,
spirea spp, sweetgale, willow
black ash.

* dominant form

unknown soil

5% open water

photo - 0951

fish habitat potential
beaver

GPS points - 181 - 205

PARTY CHIEF

WEATHER

Community 26 (S11)
Swamp (riverine)
C - white cedar; white spruce, balsam fir
1 dominant form
mineral soil
0% open water

photo 0952/0952

GPS - 181-205

PARTY CHIEF
WEATHER

Community 27 (S12)
Swamp (riverine)
* TS - willow; r-o dogwood
ne - grasses; sedges,
00 dominant form
0% open water
mineral soil over bedrock (prob.)
no fish habitat
photo 0956

GPS - 209-215

PARTY CHIEF
WEATHER

Community 28
Swamp (riverine) (513)

* h - black ash; trem aspen; lg. tooth Aspen;
An. elm;
+ s - trem. aspen;
gc - sensitive fern;

* dominant fern
0% open water

limited fish habitat to edge of
watercourse

mineral soil (prob.)

Photos - 0957/0958, 0959
ash incl. in 0959

GPS Points 216-223
north wetland boundary

PARTY CHIEF

WEATHER

Community 29 (MB)
Marsh (palustrine)

* NE - reed canopy grass;
dc - 10% - 15%

* dominant fern

< 10% open water

mineral soil (prob.)

no fish habitat

photo 0965 - 0966

0967 - 0969 sump.

GPS - Points - none taken

PARTY CHIEF

WEATHER

JOB M.M.W.P.
DATE Dec 4, 2010 PAGE 10 of 10

Community 30 - Swamp (Palustrine) S14

* C - white cedar; balsam fir; white spruce
H - balsam poplar; black ash
NE - reed canary grass

0% open water

mineral soil (probable)

no fish habitat

photos - 0963 - 0964

GPS point - none taken

PARTY CHIEF

WEATHER

JOB

DATE

PARTY CHIEF

WEATHER

Dec 3 2010

Community # 17

Marsh - (palustrine)

re - cattails 90%

pe - phalaris 2%

fs - willow sp - 5%

C - eastern white cedar 5%

Soil - organic?

Photos - 9066, 9067

Open water - 1%

Beaver lodge present

Fish habitat unlikely