NO DRILLING @ THE QUARRY - SO QUIET!

Avian Stop Over Count Observations

Date: 2012-09-28 Surveyor(s): RFL

Start Time: 7:30 AM End Time: 10:00AM Duration of transect: 2.5hrs

18T Eastings: 0362781 Northings: 4897905 Station #: LMSA04

Cld. Cover: 2/10 Visibility: UNLIMITED Temp Range: 5°C

Bar. Pr. —— Wind (Bft): 0-1

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
WTSP	𝍸𝍸𝍸𝍸𝍸𝍸𝍸𝍸𝍸 IIII	CALLING/SINGING	0	—	5-15m N&S	49
BLJA	𝍸𝍸𝍸𝍸𝍸𝍸𝍸 I	CALLING	0-1 & X	—	10m->200m N&S	36
RCKI	I	"	0	—	5m S.	1
BCCH	𝍸𝍸𝍸𝍸𝍸𝍸	"	0	—	5-40m N&S	30
YRWA	𝍸𝍸 III	FORAGING	0	—	5m N	13
EATO	I	PERCHED	0	—	10m S	1
SCJU	III	"	0	—	10mN	3
RWBL	𝍸 I	FLYING	X	W	40m S	6
AMRO	𝍸𝍸𝍸 III	CALLING	0	—	15m S.	18
SOSP	𝍸𝍸𝍸𝍸𝍸𝍸 I	"	0	—	10-40m N/S	31
HETH	𝍸	"	0	—	"	5
AMGO	𝍸𝍸𝍸𝍸𝍸𝍸𝍸	FLYING	X	S	30m W	35
WBNU	𝍸 II	CALLING	UK	—	50m SE	7
RUGR	I	FLUSHED	0	E	5m E	1
AMCR	𝍸 IIII	CALLING	UK	UK	>200mE	9
GCKI	II	"	0	—	20m SE	2
NOFL	𝍸 II	"	UK	UK	50->100m NE	7
AMGO	𝍸𝍸𝍸 IIII	CALLING	0	—	5-20m W	19
BTNW	I	PERCHED	1	—	20m N	1
RTHA	I	CALLING	UK	UK	>200mSW	1
PIWO	I	"	H	"	>300m NE	1
KILL	II	"	UK	UK	>100m W	2
HAWO	I	"	1	—	30mSE	1
MODO	I	FLUSHED	0	S	5m W	1
FISP	𝍸 I	"	0	SE	10mE	6

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

EAME - Seen in meadow (hydroline) on W part of project in non-breeding plumage.

UK - UNKNOWN

14 spp / 152.

Avian Stop Over Count Observations

Date:	2017-10-03	Surveyor(s):	RFL + DCS		
Start Time:	10:15 a.m.	End Time:	10:40	Duration of transect:	25 mins
Eastings:		Northings:		Station #:	LMSA01 — see associated maps for transect route.
Cld. Cover:	7/10	Visibility:	Fair	Temp Range:	15°C
~~Bar. Pr.~~		Wind (Bft):	1		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
YRWA	I	Foraging	1	—	10m N.	1
BLJA	II	Calling	UK	UK	>100 m NE	2
WTSP	III	"	~~0~~	—	5m W	3
CAGO	~~IIII~~ ~~IIII~~ ~~IIII~~	Flying	X	SW.	50m N	15

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations

Date:	2012-10-03.	Surveyor(s):	RR. CDS.		
Start Time:	7:20 AM	End Time:	8:55	Duration of transect:	95 MINS.
Eastings:		Northings:		Station #:	LMSA02 —
Cld. Cover:	10/10	Visibility:	FAIR	Temp Range:	15°C.
Bar. Pr.		Wind (Bft):	0-1.		

See associated map for transect routes.

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
WTSP	𝍸 𝍸 III	Calling / Singing	Ø	—	10m N-S	13
BLJA	𝍸 𝍸 II	Calling / Flying	1 & X	N-S	10m - >100m N-S	12
BCCR	I	Foraging	Ø	—	15m NW	1
YRWA	𝍸 II	Foraging	Ø	—	10m N.	7
AMCR	III	Calling	UK	UK	>200m W	3
CAGO	II 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	Flying	X	SW.	>100m W.	16
GCKI	𝍸 I	Calling	1	—	10m NE	6
GBCA	I	"	Ø	—	15m NW	1
SOSP	I	"	Ø	—	50m E	1
NOFL	II	"	UK	UK	10-50m N-S	2
WBNU	III	"	Ø	—	10m S.	3
RWO	I	"	UK	UK	100m N	1
BCCH	𝍸 𝍸 𝍸 I	"	Ø	—	10m E	16
RUGR	I	Flushed	Ø	E	10m E	1
RBNU	II	Foraging	Ø	—	5m E	2
HAWO	II	Calling	Ø	—	20m N	2
DOWO	I	"	Ø	—	30m SW	1
RCKI	I	"	Ø	—	5m NW	1

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations

Date: 2012-10-03 Surveyor(s): RH CDCS.

Start Time: 9:03 AM End Time: 10:10 AM Duration of transect: 67 mins.

Eastings: Northings: Station #: LMSA03 — See associated maps for transect routes.

Cld. Cover: 9/10 Visibility: Fair Temp Range: 15°C.

~~Bar. Pr.~~ Wind (Bft): 0-1

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
BCCH	~~IIII~~ ~~IIII~~	Calling	0-1	—	10m SW	10
AMCR	IIII	"	UK	UK	>100m S	4
AMRO	~~IIII~~ II	"	Ø	—	30m W	7
GCKI	~~IIII~~	"	Ø	—	10m N	5
BLJA	~~IIII~~ III	"	UK X		10m->100S-N	8
HAWO	III	"	Ø	—	10m NW	3
YBSA	II	Calling / Drum	Ø	—	10m E	2
RUBL	~~IIII~~ I	Calling / Flyn	1	NW	5m W	6
WBNU	I	Calling	1	—	10m W	1
RBNU	I	"	Ø	—	15m N	1
YRWA	III	Perched	1	—	15m NW	3
WTSP	~~IIII~~ ~~IIII~~ I	Calling	Ø	—	10m N	11
AMKD	IIII	"	Ø	—	10m NW	4

— Flock in woods, moved on

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Found a dead BLJA in fact, West Nile?

Avian Stop Over Count Observations

Date:	2012-10-02	Surveyor(s):	RFL & DCS
Start Time:	8:00 AM	End Time:	11:00 AM
Duration of transect:	3 HRS.		
Eastings:		Northings:	
Station #:	LMSA04		
Cld. Cover:	10/10	Visibility:	GOOD
Temp Range:	12°C		
Bar. Pr.		Wind (Bft):	Ø - 1

RAIN: STARTING TO SPIT NOT HEAVY.

See associated maps for transect route.

Species	Tally of Individuals	Behaviour (Foraging, mobbing, migration,	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
BLJA	~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ IIII	Calling/Flying	X & UK	SE	50 m SE	28
AMCR	~~IIII~~ ~~IIII~~ IIII	Flying	X	E	>100 ft SE	11
WISP	~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~	Calling	Ø	—	10 m S	45
SOSP	~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ II	Calling	Ø	—	10 m S	22
RWBL	~~IIII~~ ~~IIII~~ ~~IIII~~	Flying	X	E	50 m E	13
HETH	IIII	Calling	Ø	—	10 m SW	4
RUGR	III	Foraging	Ø	—	1-5 m N	3
CACGO	~~IIII~~ ~~IIII~~	Flying	X	W	>100 m S	10
AMGO	~~IIII~~ ~~IIII~~ IIII	Flying	X	SE	10-50 m N	13
BECH	IIII ~~IIII~~ ~~IIII~~ ~~IIII~~	Calling	Ø	—	5-10 m E	18
AMRO	~~IIII~~ I	"	Ø	—	10 m E	6
GCKI	~~IIII~~ ~~IIII~~ II	Foraging	Ø - 1	—	50 m E	13
COYE	I	Perched	Ø	—	40 m E	1
YRWA	II	Flying & Foraging	1	S & —	5 m S & 5 m SW	2
SUTH	II	Calling	Ø	—	5 m W & 10 m S	2
EATO	II	Foraging	Ø	—	5 m W & 2 m E	2
HAWO	II	Calling	UK	UK	50 m S	2
WBNU	II	"	Ø	—	10 m SW	1

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

WISP cont'd ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~

WCSP - IN Hydroline W of transect.

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144 IND / 11 SP

Avian Stop Over Count Observations

Date: 2012-10-05 Surveyor(s): RPC

Start Time: 10:00 End Time: 10:20 Duration of transect: 20 MINS.

18T Eastings: 0362707 Northings: 4897979 Station #: LMSA81

Cld. Cover: 5/10 Visibility: GOOD. Temp Range: 17°C

Bar. Pr. Wind (Bft): 0-2

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
BEJA	~~IIII~~	CALLING FLYING	UK & 3	—	50-100m NE	5
BCCH	~~IIII~~	"	Ø	—	10m E	4
SOSP	II	"	Ø	—	10m W & E	2
WTSP	~~IIII~~	"	Ø	—	10m W	5
HETH	II	PERCHED.	Ø	—	5m E	2
CAGO	~~IIII~~ ~~IIII~~ IIII	FLYING	X	E	>100m. N	14
PIWO	I	CALLING	UK	UK	>100m W	1
MERL	I	FLYING	6	W	40m N	1
AMGO	IIII	FLYING	6	N	60m N	4
RUBL	I	PERCHED	1	—	50m N	1

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations

Date: 2012-10-05 Surveyor(s): RFL

Start Time: 7:15 AM End Time: 8:30 AM Duration of transect: 85 MINS

18T Eastings: 0362232 Northings: 4897014 Station #: LMSA02

Cld. Cover: 9/10 Visibility: GOOD Temp Range: 17°C

Bar. Pr. Wind (Bft): 1

RAIN & DRIZZLING (mostly) stopped during heavier rain which was infrequent

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
WISP	~~IIII~~ ~~IIII~~ II	CALLING	Ø	—	10 m W	12
SOSP	II	"	"	—	10-30 m W & N	2
BCCH	~~IIII~~ II	"	Ø	—	10 m N	7
YRWA	III	FORAGING	Ø	—	5 m N	3
AMGO	~~IIII~~ ~~IIII~~	CALLING & FLYING	4	W	15 m N	10
CORCA	I	CALLING	Ø	—	10 m S.	1
ATTH	II	CALLING	Ø	—	15 m SE	2
DOFL	III	"	I	—	10 m E	3
PIWO	I	"	UK	UK	50 m SE	1
ACGO	~~IIII~~ ~~IIII~~ II	FLYING	X	NW & W	100 m W & E	12
AMRO	II	CALLING	Ø	—	10 m SE	2
BLJA	~~IIII~~ III	"	I	—	15 m S. 100 m AL	8
AMGO	II	FLYING	X	W	5 m S.	2
GCKI	~~IIII~~	CALLING	Ø	—	5 m N	5
RCKI	I	"	Ø	—	10 m N	1
EAPH	I	FORAGING	Ø	—	10 m E	1
CEDW	~~IIII~~ I	"	Ø	—	20 m E	6

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

EAPH - EASTERN PHOEBE

* JUST SAW A FISHER! PRETTY RARE SOUTH IN THEIR RANGE.

Avian Stop Over Count Observations

Date: 2012-10-05 Surveyor(s): RFL

Start Time: 8:40 End Time: 9:40 Duration of transect: 60 MINS

18T Eastings: 0362709 Northings: 4899152 Station #: LMSA05

Cld. Cover: 10/10 Visibility: GOOD Temp Range: 17°C

Bar. Pr. Wind (Bft): 0-1 RAINS NOW: currently but was drizzling - RAIN 0 AM (0.5mm)

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
CAGO	~~IIII~~ ~~IIII~~ III	FLYING	X	NW	20m E	13
AMCR	IIII	CALLING	UK	UK	>100m E	4
AMRO	~~IIII~~	"	Ø	—	20m W	5
BLJA	~~IIII~~ ~~IIII~~ IIII	"	UK	UK	70->100m W&E	19
GCKI	~~IIII~~	"	Ø	—	30m NE	5
BCCH	~~IIII~~ III	"	Ø	—	5m N	8
WBNU	I	FORAGING	Ø	—	2m N	1
YCWA	II	"	1	—	20m N	2
YBSA	I	"	1	—	10m E	1
RTHA	I	CALLING	UK	UK	~~7.5~~ 75m NW	1
AMGO	I	FLYING	S	S	30m E	1
RBNU	III	"	X	N	50m W	3
WTSP	~~IIII~~ ~~IIII~~ IIII	CALLING	Ø	—	10m NW	14
SOSP	IIII	"	Ø	—	20m N	4
NOFL	II	FLYING	Ø	NE	30m NE	2
HETH	~~IIII~~ I	PERCHED	Ø	—	10m NE & S.	6
SWTH	III	"	Ø	—	10m E.	3
HAWO	I	CALLING	Ø	—	20m S	1
RCKI	III	"	Ø	—	10m S	3

- PERCHED ON HYDROLINE

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations

Date:	2012-10-04	Surveyor(s):	RFL : DCS		
Start Time:	8:15 AM	End Time:	10:25 AM	Duration of transect:	130 MINS
18T Eastings:	0362781	Northings:	4897907	Station #:	LWSA04
Cld. Cover:	10/10	Visibility:	FAIR	Temp Range:	17°C
Bar. Pr.		Wind (Bft):	0-1		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
BCCH	𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸 𝍸	CALLING	Ø	—	5m N-S	50
WTSP	𝍸 𝍸 𝍸 𝍸 𝍸 II	"	Ø	—	5m S	27
BLJA	𝍸 𝍸 𝍸 III	PERCHED : CALLING	1	N	50m N-S	18
AMRO	𝍸 𝍸 II	CALLING	Ø	—	10m N-S	12
NOFL	II	PERCHED : CALLING	Ø	—	20m E	2
RUGR	I	STALKING US	Ø	—	<1m N	1
RUBL	𝍸 𝍸 𝍸 𝍸 𝍸 III	PERCHED : FLEW	1	N	10m S	28
AMGO	𝍸 II	FLYING	X	NW	15m W	7
RWBL	𝍸 IIII	FLYING	X	SW	10m N	9
GCKI	𝍸 III	CALLING	Ø	—	5m E	8
RBNU	I	CALLING	1	—	30m N	1
CAGO	𝍸 𝍸 𝍸 𝍸	FLYING	X	N	<1m	20
SOSP	𝍸 𝍸	CALLING	Ø	—	10m E	10
AMRO	IIII	FLYING	X	S	5-20m N	4
SCJU	𝍸	PERCHED	Ø	—	5m E	5
HAWO	I	CALLING	1	—	15m S	1
WBNU	I	"	1	—	20m NE	1
RTHA	I	FLYING	X	N	30m W	1
EUST	𝍸 III	FLYING	X	S	20m SE	8
RWBL	𝍸 I	PERCHED	1	—	15m S	6

Margin notes: RUGR — FOLLOWED US AROUND SITE; RWBL (last row) — MIXED IN FLOCK W/ RUBL

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

RUBL - RUSTY BLACKBIRD

114 | 18 SP.

Avian Stop Over Count Observations ERNESTOWN

Date:	Oct 9/2012	Surveyor(s):	ROB TYMSTRA		
Start Time:	10:10	End Time:	11:00	Duration of transect:	
Eastings:		Northings:		Station #:	CMSA-01
Cld. Cover:	50%	Visibility:	unlimited	Temp Range:	12-14°C
Bar. Pr.	1030 mb	Wind (Bft):	S-2 → S3		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, migration, flying, perching, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer and Location Relative to Turbines	Total Individuals
YRWA	1	feeding	0	—	10 m	1
SESP	3	"	0	—	10 m	3
SWTH	4	"	0-1	—	20 m	4
WTSP	1	"	0	—	10 m	1
DEJU	2, 2	"	0	—	5-15 m	4
BCJA	1, 1, 1	flying	0-2	— SW	10-50 m	3
AMRE	1	"	1	← W	15 m	1

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations

ERNESTOWN

Date:	Oct 9/2012	Surveyor(s):	ROB TYMSTRA		
Start Time:	07:00	End Time:	845	Duration of transect:	
Eastings:		Northings:		Station #:	LMSA-02
Cld. Cover:	20%	Visibility:	Unlimited	Temp Range:	7-10°C
Bar. Pr.	1030 mb	Wind (Bft):	Calm → SE-1		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, migration, flying, perching, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer and Location Relative to Turbines	Total Individuals
CAGO	12, 29, 29, 24	flying	(25) 20-50 m	W	Variable	92
WTSP	2, 1	feeding	(0) 0-2 m	—	→ 5 m	3
BLJA	1, 1, 1	flying	(0-1) 2-10 m	—		3
RWBL	2200, 1200, 1500, 600	flying (large flocks)	(1-6) 40-60 m	W	50-200 m	5500
EUST	300/400	flying with RWBL	4-6	W	50-200 m	700
BCKI	1, 3	feeding	0	—	10 m	4
WCSP	1	"	0	—	5 m	1
AMRO	5, 1, 1, 1	"	0	—	5-20 m	8
YRWA	6	"	0	—	5 m	6
YBSA	1, 1, 1	"	0	—	10 m	3
DOWO	1	"	0	—	10 m	1
SWTH	4	"	0	—	5-20 m	4
NOFL	3	"	0-1	—	5-10 m	3
BCCH	2, 3, 2	"	0	—	0-5 m	7
AMCR	1, 1, 1	flying	0	—	50-200 m	3
SOSP	2	feeding	0	—	10 m	2
AMGO	1	"	0	—	20 m	1
RTHA	1	flying	2	—	50 m	1

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

(after 11 AM:) TUVU-1
REVI-1

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Avian Stop Over Count Observations

ERNESTOWN

Date:	Oct 9/2012	Surveyor(s):	ROB TYMSTRA		
Start Time:	845	End Time:	1010	Duration of transect:	
Eastings:		Northings:		Station #:	LMSA 03 ~~BMSA 02~~
Cld. Cover:	80%	Visibility:	Unlimited	Temp Range:	9–12°C
Bar. Pr.	1030 mb	Wind (Bft):	SE 1-2		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, migration, flying, perching, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer and Location Relative to Turbines	Total Individuals
WTSP	14, 1, 35	feeding	0	—	5–20 m	50
SOSP	1, 5, 14	"	0	—	5–10	20
CAGO	1	flying	3	W	50	1
HETH	1	perched	0	—	20	1
BLJA	4, 1, 1, 2, 1	flying	0–2	S+W	5–30	9
RBNU	2	feeding	0	—	10–15	2
AMRO	1, 17	"	0	—	5–30	18
HAWO	1	"	0	—	10	1
DOWO	1	"	0	—	10	1
SSHA	1	flying	5	SW	50	1
SWTH	6	feeding	0–1	—	10–20	6
DEJU	1	"	0	—	5–15	1
GCKI	1	"	0	—	5	1
RUBL	1, 1	"	0	—	10–20	2
CORA	1, 1	flying	6	W	50–100	2
BCCH	2	feeding	0	—	5–10	2
YRWA	1	"	0	—	10	1
RTHA	1	perched	2	—	75 m	1
AMCR	1	flying	3	S	100 m	1
EAPH	1	feeding	0	—	50 m	1

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations ERNESTOWN

Date:	17 OCT 2012	Surveyor(s):	Rob Tymstra		
Start Time:	0655 0910	End Time:	810 930	Duration of transect:	1:35
Eastings:		Northings:		Station #:	West (LMSA02)
Cld. Cover:	0 → 50 %	Visibility:	Unlimited	Temp Range:	2 → 12°C
Bar. Pr.	1025 mb	Wind (Bft):	0		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, migration, flying, perching, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer and Location Relative to Turbines	Total Individuals
WTSP	14	feeding	0	—	10-30m	14
SOSP	3	"	0	—	10	3
HOLA	3	"	0	—	20	3
AMCR	3	"	0-2	—	100	3
FOSP	1	singing!	0	—	10	1
AMRO	4	feeding	0	—	10-20	4
BLJA	1	"	0	—	30-50	1
RBNU	1	"	0	—	10	1
RUBL	36, 23, 45	perched	0-1	—	10-100	104
CAGO	27	flying	1-2	N. + W	100-200	27
WBNU	1	feeding	0	—	10	1
COGR	1	flying	0	S	50	1
NOFL	1	feeding	0	—	20	1
BCCH	4	"	0	—	5-10	4
GCKI	7	"	0	—	10	7
YRWA	1	"	0	—	10	1
RCKI	1	"	0	—	10	1
DEJU	6	"	0	—	5	6
AMPI	2	"	0-1	—	20	2
BRCR	1	"	0	—	10	1
EUST	12	"	0	—	20	12
COSN	3	flying	0-1	S	50	3

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

ERNESTOWN

Avian Stop Over Count Observations

Date:	17 Oct 12	Surveyor(s):	ROB TYMSTRA		
Start Time:	8:10	End Time:	9:10	Duration of transect:	1.0
Eastings:		Northings:		Station #:	East (LMSA03)
Cld. Cover:	20-50%	Visibility:	Unlimited	Temp Range:	6-12°C
Bar. Pr.	1025 mb	Wind (Bft):	0		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, migration, flying, perching, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer and Location Relative to Turbines	Total Individuals
BLJA	7	feeding	0	—	10-20 m	7
CAGO	86	flying	1-3	N+W	50+	86
WTSP	4	feeding	0	—	10-20	4
SOSP	2	"	0	—	10	2
BRCR	1	"	0	—	10	1
BCCH	6, 4	"	0	—	5-10	10
YRWA	2	"	0	—	10	2
WBNU	2	"	0	—	10	2
GCKI	2	"	0	—	10	2
AMRO	5	"	0	—	10-20	5
MODO	1	"	0	—	15	1
RUBL	6	"	0	—	20	6
RUGR	1	flushed	0-1	—	5	1

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations

Date:	2013-04-02	Surveyor(s):	RFL ; EJ		
Start Time:	9:15	End Time:	9:30	Duration of transect:	
Eastings:		Northings:		Station #:	LMSA-01
Cld. Cover:	4/10	Visibility:	UNLIM	Temp Range:	-6°C
Rain:	Ø	Wind (Bft):	3-4 GUSTS OF 5		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
SOSP	I	CALLING	0		S	1
KILL	II	"	0-1	—	W 20	2
RBGU	I	FLYING	X	S	W 20	1
CAGO	II	"	X	S	W 20	2
WOODPECKER SP	I	HEARD FORAGING				1
AMRO	I	CALLING	0	—	S 10	1

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations

Date:	2013-09-02	Surveyor(s):	RL + EJ		
Start Time:	07:15	End Time:	08:05	Duration of transect:	
Eastings:		Northings:		Station #:	LMSA02
Cld. Cover:	2/10	Visibility:	unlimited	Temp Range:	-1°C
Rain:	0	Wind (Bft):	1-2		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
BCCH	I	calling	0-1	n/a		1
AMCR	~~IIII~~	"	"	"	S/W	5
AMRO	IIII	"	"	"	NE (1 10m, 3 > 30m)	4
SOSP	~~IIII~~	"	"	"	N	5
RWBB	39 + 3 + 2(W) + 2	flying	X	N	30m	46
AMCR	II	flying	2	W	30m	2
BLJA	III	calling	0-1	n/a	N/W	3
WTSP	IIII	calling	0	n/a	W 10-20m	4
BCCH	II	calling	0-1		10m	2
AMRO	IIII	calling	0-1		20m	4
GCKI	IIII	calling, foraging	0-1		10m	4
WBNU	IIII	foraging	0-1		10m	4
AMCR	I					1
DOWO	II	foraging	1-2		20 SE	2
HAWO	I	calling			20 N	1
RWBL	IIII	flying	X.			4
SOSP	III	calling	0-1		E	3

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Avian Stop Over Count Observations

Date:	2013-04-01	Surveyor(s):	EJ + RL		
Start Time:	08:10	End Time:	9:00	Duration of transect:	
Eastings:		Northings:		Station #:	LMSAO3
Cld. Cover:	3/10	Visibility:	unlimited	Temp Range:	-1°C
Rain:	0	Wind (Bft):	1-2 up to gusts of 4.		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
AMCR	~~HH~~	Calling			S 100m	6
RBGU	III	Calling, flying	X	N	S 100m	3
BCCH	II	singing			S 50m	2
SOSP	~~HH~~	"			SW 30m	6
WBNU	I	"				1
AMRO	~~HH~~ ~~HH~~	"	0-1		E ~~20m~~	10
GCKI	II	"	1		W	2
BLJA	IIII	"			S >50m	4
HAWO	I	"			S 50m	1
DOWO	II	I	2	—		2
CAGO	12 + 24	Flying	X	N	X	36
BLJA	I	Perched	1	—	W 10m	1
MOUDO	II	Flushed	0-1	W	W 1m	2

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

Surveyor: RL + EJ Date: 2013-04-03 S. Time 06:53 E. Time 07:03
Temp: -4 Wind: 0-1 Cloud: 0/10 Rain: Ø Last 24 hrs: Ø

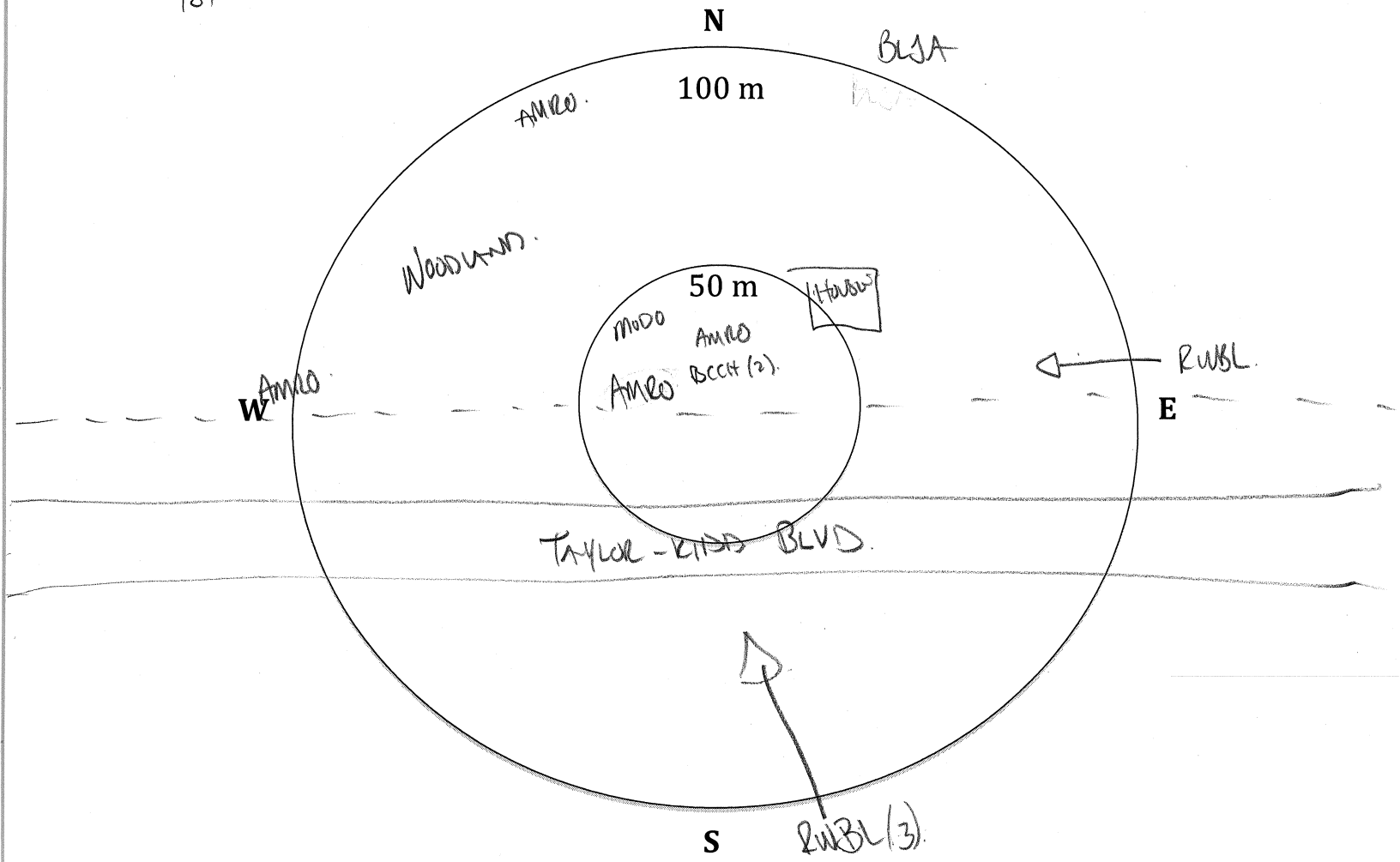
AVIAN POINT COUNT CENSUS FORM

**Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale*

CARS ALONG TAYLOR - KIDD. A BIT NOISY.

Project Name: Ernestown Habitat Type: Woodland

GPS location: 0364645 4898212 Pt. Count ID: LMSA04-1
18T



Alpha Code	Status	0-3	3-5	5-10	Dist
AMRO	C	III		I	25-≥100m.
MODO	C	I			45m.
BLJA	C		I		>100m.
RWBL	X		IIII		X.
BCCH	C			II	10m

X - FLYOVER

Status

Singing male = S

Male (seen) = M

Female (seen) = M

Pair together = P

Calling (unknown Sex) = C

Change position

Simultaneous song of 2 males

Alpha Code	Status	0-3	3-5	5-10	Dist

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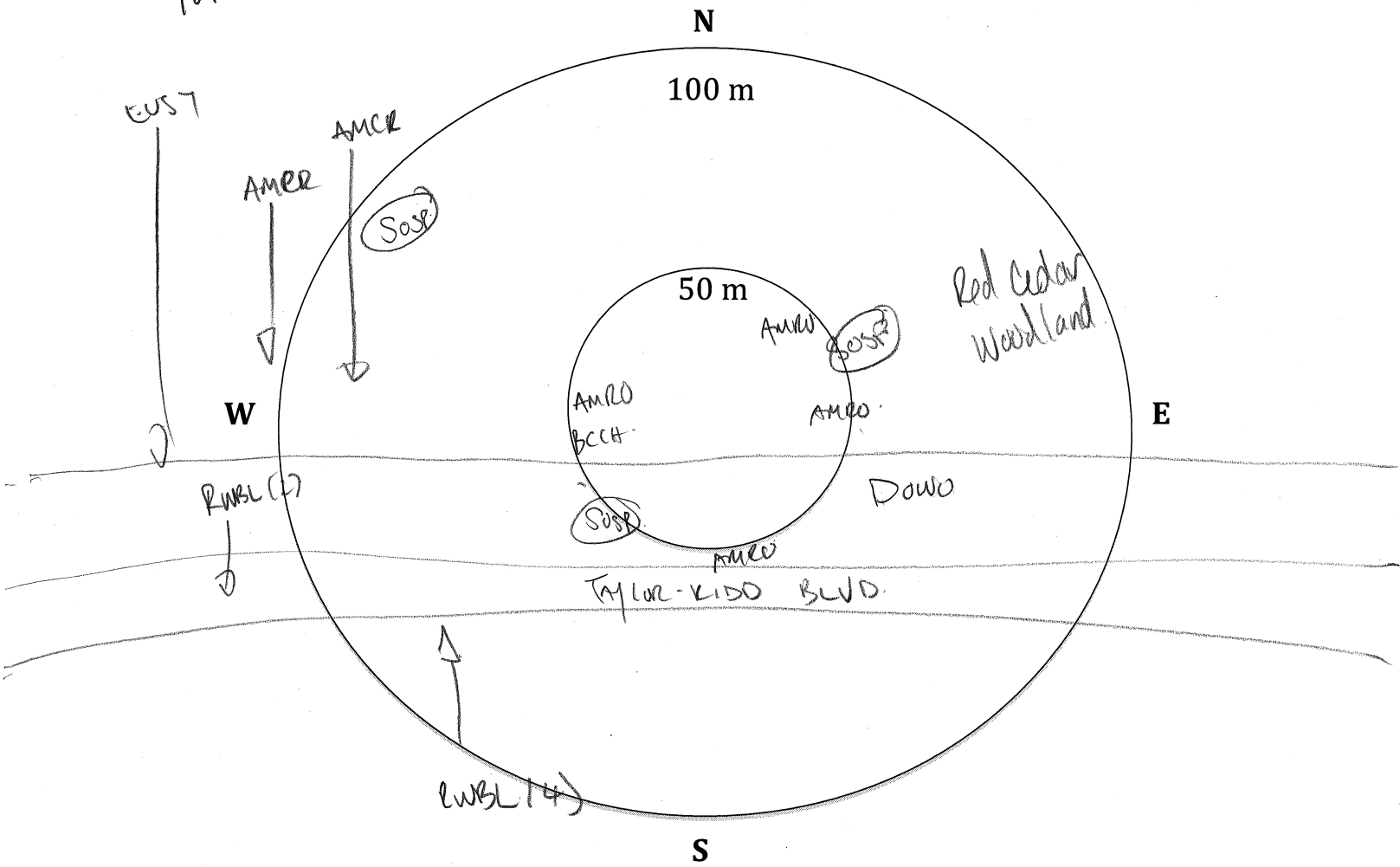
Surveyor: RL + EJ Date: 2013-04-03 S. Time 07:09 E. Time 07:19
Temp: -4 Wind: 0-1 Cloud: 0/10 Rain: Ø Last 24 hrs: Ø

AVIAN POINT COUNT CENSUS FORM

**Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale*

Project Name: Ernestown Habitat Type: Woodland

GPS location: 0364314 4897916 Pt. Count ID: LMSA04 - 2
18T



Alpha Code	Status	0-3	3-5	5-10	Dist
AMRO	C	III		I	50m.
SOSP	S	I	I	I	50-100m.
AMCR	C & X	I			>100m.
EUST.	X	I			X
AMCR	X	I			X
RWBL	X	III	II		X
DOWO	C		I		75m.

Status

Singing male = S

Male (seen) = M

Female (seen) = M

Pair together = P

Calling (unknown Sex) = C

Change position

Simultaneous song of 2 males

Alpha Code	Status	0-3	3-5	5-10	Dist
BCCH	S			I	50m.

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Surveyor: RL+EJ Date: 2013-04-03 S. Time 07:24 E. Time 07:34
Temp: -4 Wind: 0-1 Cloud: 0/10 Rain: ø Last 24 hrs: ø

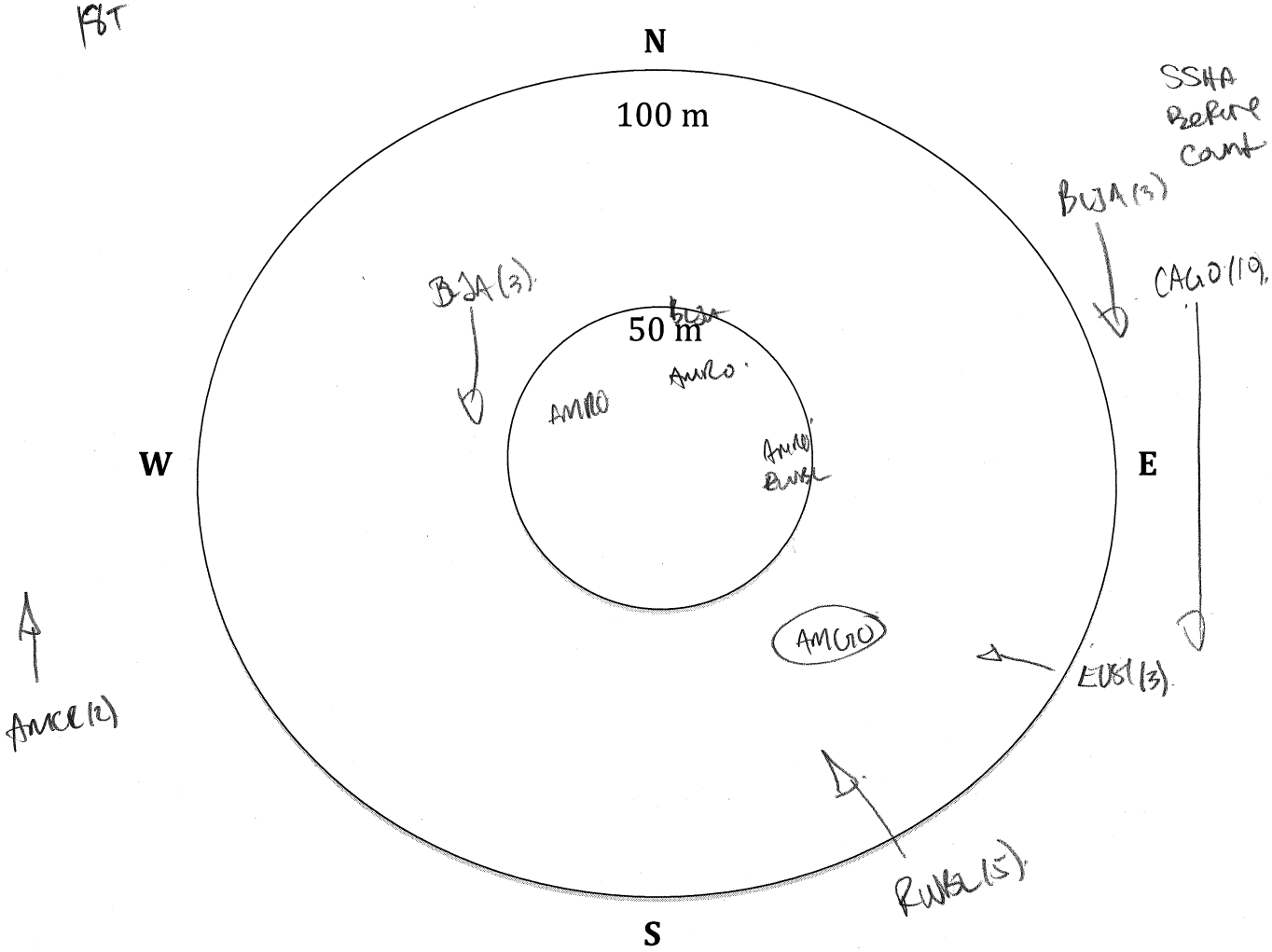
AVIAN POINT COUNT CENSUS FORM

**Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale*

Project Name: Ernestown Habitat Type: Woodland

GPS location: 0364074 4897679 Pt. Count ID: LMSA04-3

PGT



Alpha Code	Status	0-3	3-5	5-10	Dist
AMRO	C	II			50m
CAGO	X		10		>100m
BLJA	X		III	IIII	X
AMGO	S		I	I	75m
RWBL	X			~~IIII~~	X
EUST	X			III	X
AMCR	X			II	X

Status

Singing male = S

Male (seen) = M

Female (seen) = M

Pair together = P

Calling (unknown Sex) = C

Change position

Simultaneous song of 2 males

Alpha Code	Status	0-3	3-5	5-10	Dist
RWBL	C			I	50m
BLJA	C			I	50m
SSHA	BEFORE COUNT				

Avian Stop Over Count Observations

Date:	2013-04-03	Surveyor(s):	DL + EJ		
Start Time:	07:58	End Time:	09:35	Duration of transect:	90 MINS.
Eastings:		Northings:		Station #:	LMSA04
Cld. Cover:	0/10	Visibility:	unlimited	Temp Range:	-4°c
Rain:	0	Wind (Bft):	0-1		

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
SOSP	~~IIII~~ ~~IIII~~ ~~IIII~~	Singing	0-1	—	W	15
RWBL	~~IIII~~ IIII	"	"	—	W	9
BLJA	~~IIII~~ II	" , flying	"		E	7
MODO	IIII	"		—	S	4
AMCR	~~IIII~~ I	"		—	N >200m	6.
AMRO	~~IIII~~ ~~IIII~~	"		—		10
YWBL	~~IIII~~ I	flying	X			6.
KILL	I	"			N >100m	1
BACH	~~IIII~~ ~~IIII~~ ~~IIII~~ I	singing		—		16
KILL	I	flying	X		N	1
DOWO	I	singing		—		1
RBGU	III	flying	X		100m	3
DOWO	III	foraging	1-2	—	10m N	3
COGR	II	CALLING	1-2	—	50m W	2
RWBL	I	FLUSHED	0.	—	10m NW	1
DOWO	II	FORAGING	1.	—	20m E.	2.

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

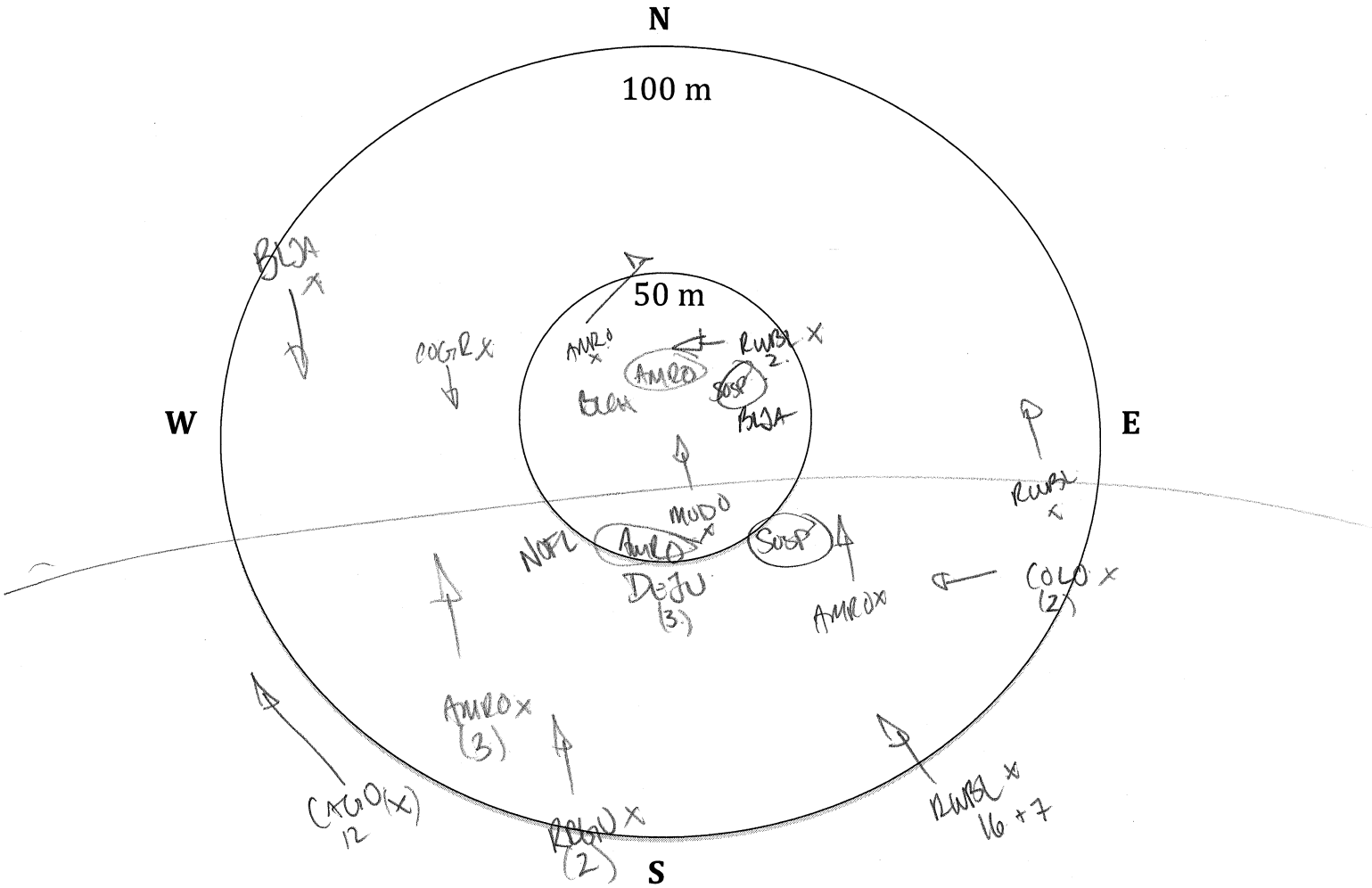
Surveyor: RL & EJ Date: 2013-04-09 S. Time 7:01 E. Time 7:11
Temp: 4 Wind: 1 Cloud: 10/10th Rain: Ø Last 24 hrs: HEAVY

AVIAN POINT COUNT CENSUS FORM

**Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale*

Project Name: LONGSTOWN Habitat Type: WOODLAND EDGES

GPS location: 0364085 4897692 Pt. Count ID: LMSA04-3 ROAD ISLAND



Alpha Code	Status	0-3	3-5	5-10	Dist
RUBL	X	III	16	7	X
CAGO	X	12			X
DEJU	C	III			50m
AMRO	S	I		I	10m
AMRO	X	III	I	I	X
BCCH	C	I			10m
MODO	X		I		X

Status

Singing male = S

Male (seen) = M

Female (seen) = M

Pair together = P

Calling (unknown Sex) = C

Change position

Simultaneous song of 2 males

Alpha Code	Status	0-3	3-5	5-10	Dist
ROGR	X			I	X
BLJA	seen X	I		I	25m
COGR	X			I	X
COLO	X			II	X
NOFL	seen			I	50m

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Surveyor: RL CEJ Date: 2013-04-09 S. Time 6:47 AM E. Time 6:57 AM
Temp: 4°C Wind: 1 Cloud: 10/10 Rain: Ø Last 24 hrs: HEAVY RAIN

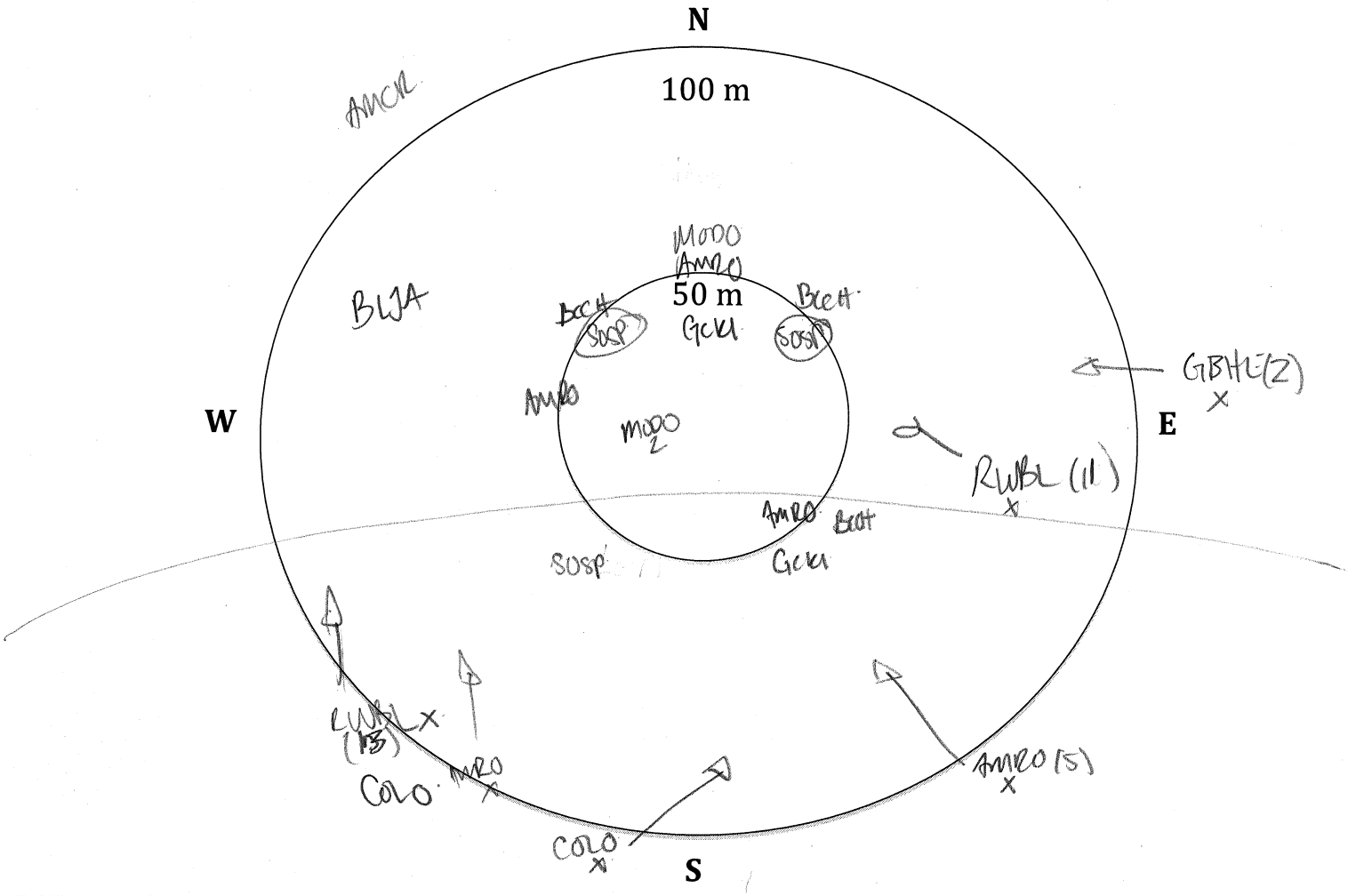
AVIAN POINT COUNT CENSUS FORM

**Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale*

Project Name: ERNSTOWN Habitat Type: WOODLAND EDGE (RED CEDAR)

GPS location: 0364320 4897900 Pt. Count ID: LMSAM-2

* ROAD IS LOUD



Alpha Code	Status	0-3	3-5	5-10	Dist
COLO	C	1			>100m
AMRO	C+S	11			X + 50m
BCCH	S	11			50m
GCKI	C+S	11			25m
COLO	X	1			X
BLJA	C		1		75m
RWBL	X		10	13+1	X

Status

Singing male = S

Male (seen) = M

Female (seen) = M

Pair together = P

Calling (unknown Sex) = C

Change position

Simultaneous song of 2 males

Alpha Code	Status	0-3	3-5	5-10	Dist
MODO	C + Seen		1	11	10 + 50m
AMRO	X		~~111~~	1	X
GBHE	X			11	X
AMCR	C			1	>100m
COLO (2)	X	Before count			

Surveyor: RL & EJ Date: 2013-04-09 S. Time 6:38AM E. Time 6:43AM
Temp: 4°C Wind: 1 Cloud: 10/10th Rain: Ø Last 24 hrs: HEAVY RAIN

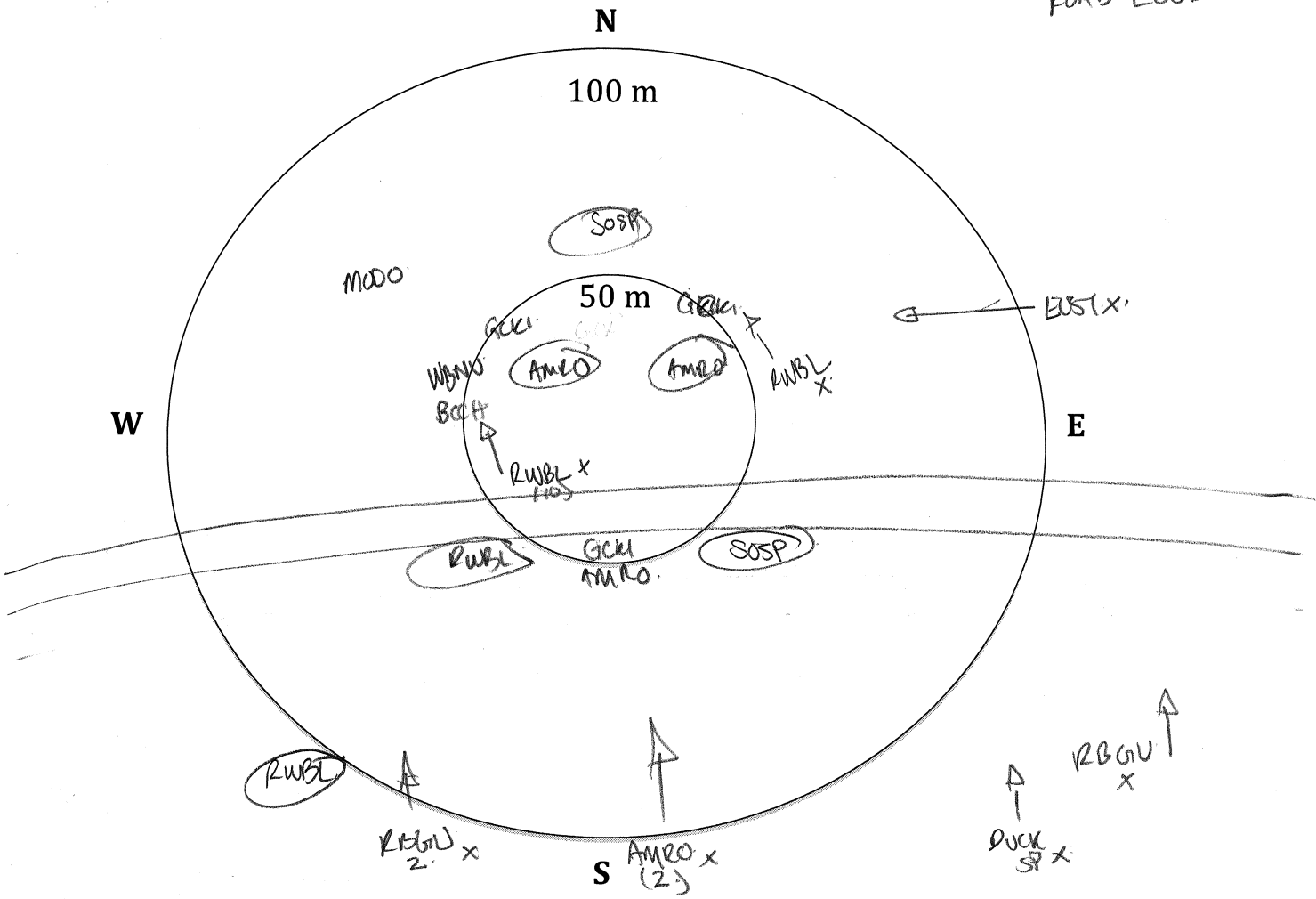
AVIAN POINT COUNT CENSUS FORM

**Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale*

Project Name: ERNESTOWN Habitat Type: WOODLAND EDGE & TAYLOR-KIDD ROAD

GPS location: 18T 0364644 4898215 Pt. Count ID: LMSA04-1

ROAD LOUD



Alpha Code	Status	0-3	3-5	5-10	Dist
AMRO	S	II			25-50m
SOSP	S	II			50m
GCKI	C	III			50m
BCCH	C	I			50m
RWBL	C/S		II		50-100m
MODO	C		I		75m
RWBL	X		I HO		X

Status

Singing male = S

Male (seen) = M

Female (seen) = M

Pair together = P

Calling (unknown Sex) = C

Change position

Simultaneous song of 2 males

Alpha Code	Status	0-3	3-5	5-10	Dist
WBNU	C			I	50m
EUST	X			I	X
RBGU	X			III	X
AMRO	X			II	X
☆ DUCK SP	(X)	AFTER COUNT			
☆ GBHE	BEFORE COUNT				

☆ COLO FLYING EAST AFTER COUNT

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Renewable Energy & Environmental Consulting

Avian Stop Over Count Observations

Date: 2012-04-09 | Surveyor(s): RL : ED.

Start Time: 07:34 | End Time: 09:45 | Duration of transect: 135 MINS

Eastings: | Northings: | Station #: LMSA04

Cld. Cover: 10/10 | Visibility: GOOD | Temp Range: 4°C.

Rain: Ø | Wind (Bft): 0 | Rain overnight

Species	Tally of Individuals	Behaviour (Foraging, mobbing, flying, perched on ground)	Height Category (1-X)	Fight Direction (N, S, E, W)	Direction and Distance from Observer	Total Individuals
GCKI	卌卌|	CALLING	1	–	5-10	11
SOSP	|||卌卌卌卌卌	"	1	–	5-10	28
BLJA	卌卌|	"		–	>100m	11
CAGO	卌卌卌卌|||	"	X	NW	50m S	99.
AMRO	卌卌	FLYING	X	W	20m S	10
KILL.	卌|	CALLING				6.
HETH.	||	FORAGING	0	–	5m E	2
RWBL.	卌卌	FLYING	X	W	50m W.	10
BCCH	卌卌卌	SINGING	0	–	10m E	15
RBGU	|||	FLYING	X	N	>50m E	3
RWBL	卌卌	CALLING	UK	–	50m NE	10
AMCR	卌卌||	FLYING & CALLING	2.	NE	20m E	12
AMRO	卌卌卌卌卌	CALLING	0-1.	–	10-30m	25 → FAR SIDE OF WETLAND
EAPH	|||	"	0-1	–	180m E + 50m NW	3
DOWO	|||	" : DRUMMING	UK	–	100m SE	3
BLKI.	|	CALLING	1	–	50-100m N.	1
COGR	|	"	2	–	10m NW	1
MALL.	卌|	" : flushed	0-2.	–	30m NE.	6
CORA	|	Calling	UK	–	>100m W	1
DEJU	卌卌	"	0	–	10m NW	10
NOCA	|	"	0-1	–	20m S	1
WBNU	|	"	1	–	20m S.	1.
AMWO BEFORE COUNT - EDGE OF HABITAT						
BAME BEFORE COUNT - EDGE OF HABITAT						

Height Category: 0 = 0-9 m; 1 = 10-19 m; 2 = 20-29 m; 3 = 30-39 m; 4= 40-49 m; 5= 50-59 m; 6 = 60-69 m 7 = 70+; X = Flyover

CAGO
ABM+26 +12 +17 +8 +3.