

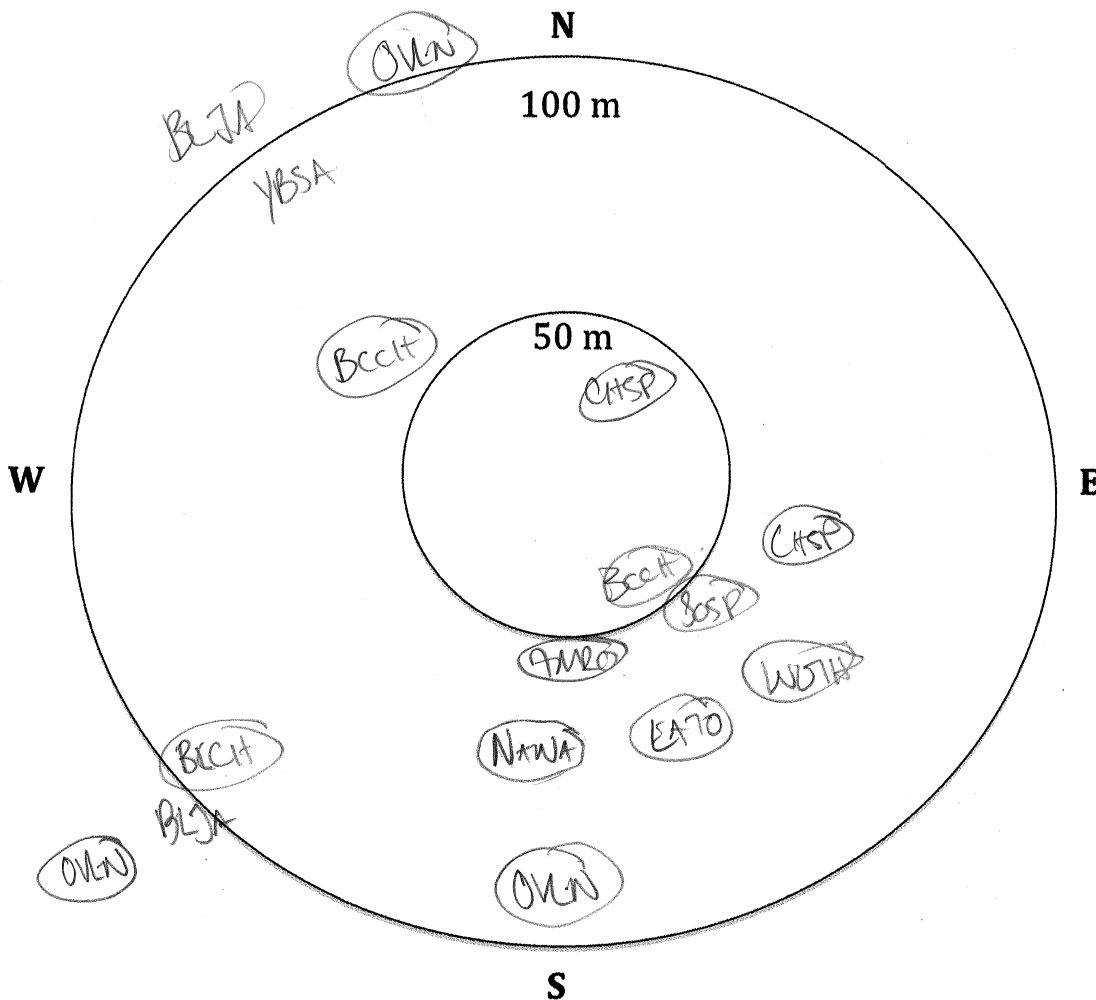
Surveyor: RL: FC Date: 2013-05-13 S. Time 05:47 E. Time 05:57
 Temp: 3°C Wind: 2-3 Cloud: 10/10 Rain: Ø Last 24 hrs: RAIN - Temp drop

AVIAN POINT COUNT CENSUS FORM

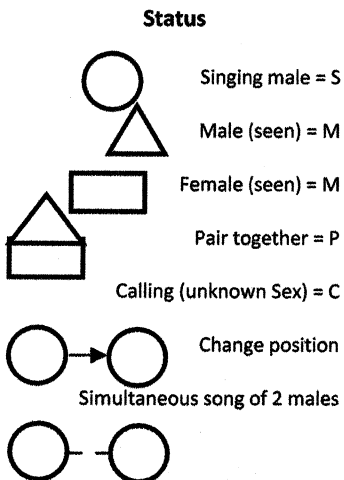
*Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale

Project Name: ERNESTOWN Habitat Type: LMSAØ4

GPS location: ¹⁸⁷ 0364642 4898225 Pt. Count ID: LMSAØ4-1



Alpha Code	Status	0-3	3-5	5-10	Dist
CHSP	S	1			40
AMRO	S	1			55
SUSP	S	1			55
WOTH	S	1			65
BLJA	C	1	1		100 & 110
NAWA	S		1		70
OVEN	S	1	1	1	120 & 95



Alpha Code	Status	0-3	3-5	5-10	Dist
YBSA	C	1			95
EATO	S			1	70
BCCH	S			111	100 & 65 & 40

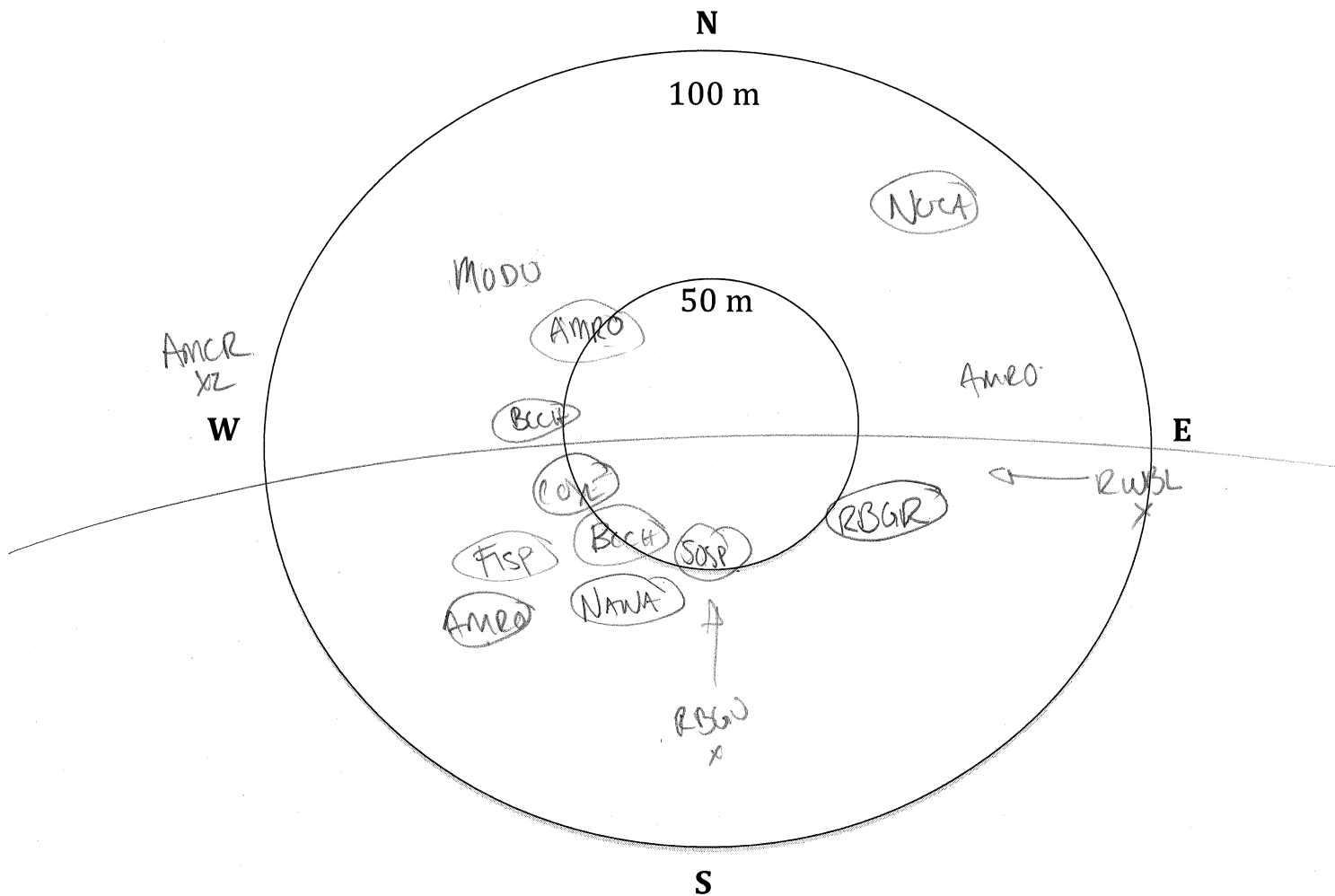
Surveyor: RL i. FC Date: 2013-05-13 S. Time 06:00 E. Time 06:10
 Temp: 30°C Wind: 2-3 Cloud: 10/10 Rain: 0 Last 24 hrs: RAIN - Temp drop

AVIAN POINT COUNT CENSUS FORM

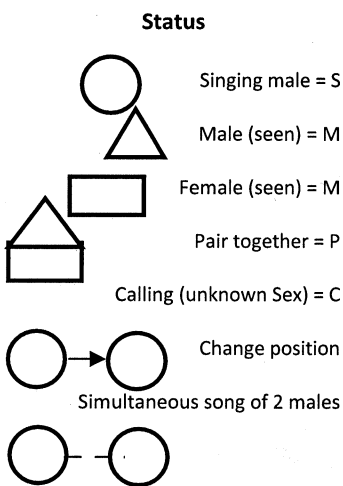
*Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale

Project Name: Ernesttown Habitat Type: LMSA04

GPS location: ^{18T} 0364293 4897890 Pt. Count ID: LMSA04-2



Alpha Code	Status	0-3	3-5	5-10	Dist
AMEO	SIC	111			50 & 80
MODU	C	1			70
FISP	S	1			70
NAWA	S	1			80
COYE	S	1			50
BECH	S	1		1	50 & 55
SOSP	S		1		50



Alpha Code	Status	0-3	3-5	5-10	Dist
RWBL	x		1		X
RWBL	x		1		X
RWBL	S			1	55
AMCR	C			11	110
NAWA	S			1	80

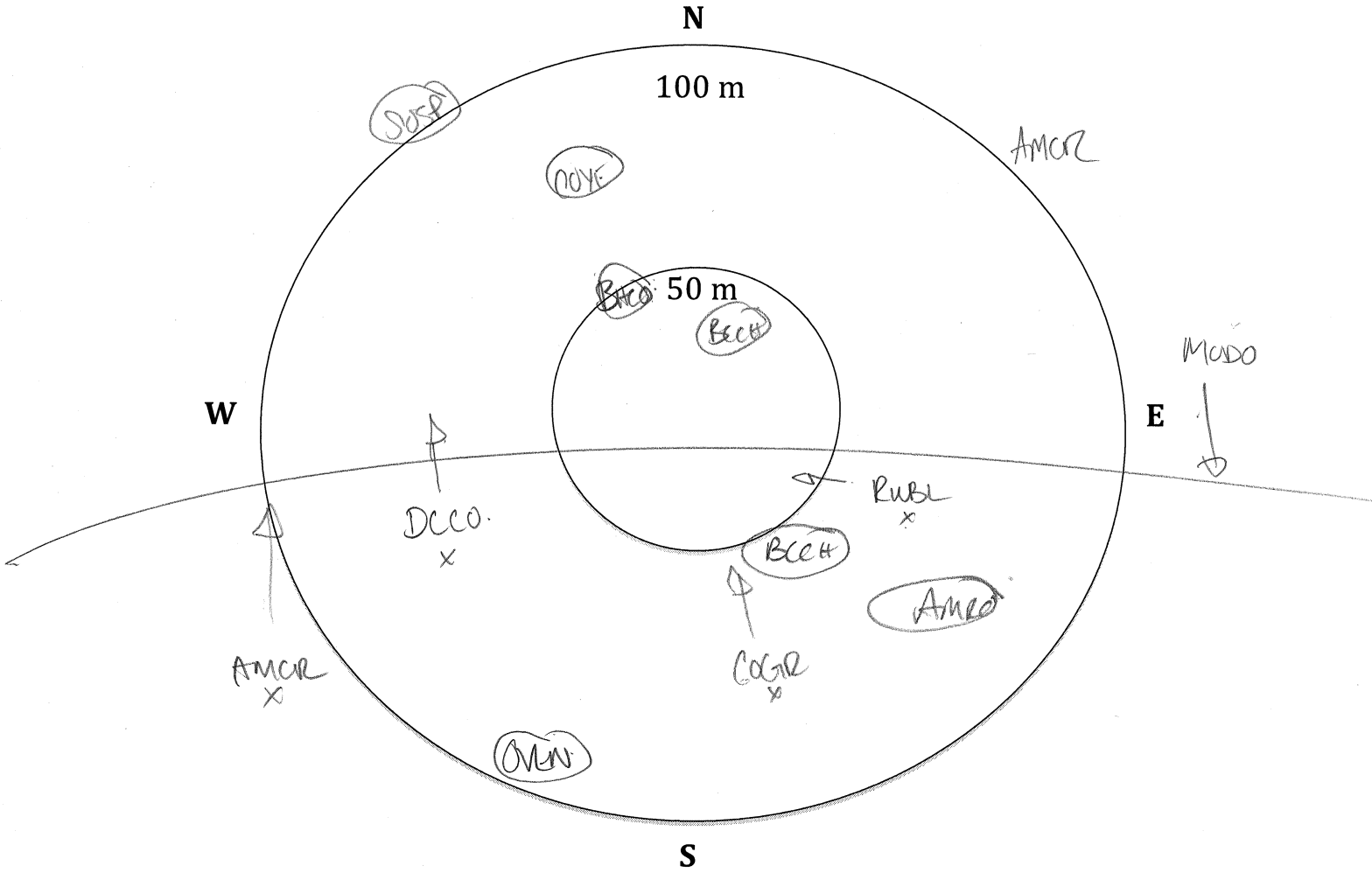
Surveyor: RLife Date: 2013-05-13 S. Time 06:14 E. Time _____
 Temp: 3°C Wind: 2-3 Cloud: 10/10 Rain: ☒ Last 24 hrs: RAIN - Temp drop

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: LMSA04

GPS location: ^{18T} 0364079 4897688 Pt. Count ID: LMSA04-3



Alpha Code	Status	0-3	3-5	5-10	Dist
BCHO	S	1	1		40-55
AMCO	S	1			90
COYE	S	1			85
DECO	X	1			X
AMCR	X	1			X
BICO	S	1			50
COGR	X		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
OLN	S		1		95
RUBL	X			1	X
AMCR	C			1	110
SOSP	S			1	100
MADO	seen flying			1	X

DECO - double-crested cormorant

GPS died
not sure how
much track is
missing.

Avian Stop Over Count Observations

Date: 2013-05-14 Surveyor(s): RL JFC

Start Time: 05:45 End Time: 06:45 Duration of transect: 60 mins

Eastings: Northings: Station #: LMSA02

Cld. Cover: 1/10 Visibility: intermittent Temp Range: 0°C

Rain: Ø Wind (Bft): Ø-1 Frost over night

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
YBNV	I	calling	1	-	50m N	1
VISP	II	SINGING	Ø	-	30m S	2
COYE	IIII	"	"	-	10-20m ESW	4
AMGO	III	"	1	-	40m NE	4
OVEN	IIII III	"	Ø-1	-	20-75m ^{ALL} Direct	13
YWA	II	"	Ø	-	50m N	2
SOOP	IIII	"	Ø	-	50m S	6
AMKO	IIII	"	1	-	10-50m S	10
BCCH	I	"	1	-	50m NE	1
Amck	II	calling	X	W	>300m W	3
GRCA	I	SINGING	Ø	-	50m E	1
MOJO	III	calling	1	-	50m SW	3
RBGK	III	SINGING	1	-	50m ESW	5
CORA	I	calling	X	W	>300m NW	1
RWBL	III	"	Ø	-	100m E	3
BLJA	IIII III	"	1	-	20m N'S	11
SWS P	I	SINGING	Ø	-	40m NW'S	1
MALL	II	flying	X	N	40m E	2
BAOP	I	SINGING	1-2	-	40m E	1
REBU	I	flying	X	N	50m E	1
CSWA	I	SINGING	1-2	-	30m N	1
CORA	II	flying	X	S	10m W	2
WOTH	IIII I	SINGING	Ø-1	-	50m E:W	6
AMGO	III	flying	X	W:N	30m W	3
AMGO	UK	"	X	W	>100m E	UK
NOC	I	SINGING	Ø-1	-	100m W	1
RWBL	III	flying	X	N:S	30m E:W	3
GCFL	I	SINGING	1	-	50m S	1
Woodpecker sp	I	Drumming	1	-	100m S	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

BLJA still incubating on nest

Avian Stop Over Count Observations

Date:	<u>2013-05-14</u>	Surveyor(s):	<u>PL FC</u>
Start Time:	<u>07:00</u>	End Time:	<u>07:55</u>
Eastings:		Northings:	
Cld. Cover:	<u>0/10</u>	Visibility:	<u>unlimited</u>
Rain:	<u>0</u>	Wind (Bft):	<u>0</u>
		Station #:	<u>LMS103</u>
		Temp Range:	<u>0°C</u>
		Duration of transect:	<u>55 mins</u>

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
AMEO		Calling/Singing	0-1	-	10m N/S	7
PZVI		Singing	1	-	20m E	3
BRTH		"	0-1	-	30m S	2
SOSP		"	0	-	30m S/E	9
PIHSP		"	0	-	20m N	2
BLJA		Calling	1	-	20m S	6
NOVA		Singing	0	-	10m NW	1
RECH		"	0-1	-	10-50m SW	14
QMN		"	0-1	-	10-40m E	15
PRCA		Singing	0	-	30m S	4
CAGO		Flying	X	N	50m W	1
R3GR		Singing	1	-	20m E/S	12
BHCO		Calling	1	-	20m N	2
AMGO		Flying	X	S	30m N	2
WOTH		Singing	0-1	-	40m N	4
YBSA		Drumming	1	-	10-40m N	4
AMEO		Singing	1	-	30m S	1
AMCR		Calling	un	un	>300m SW	2
DOWD		Calling	1	0	10-40m E/S	3
BAWW		Singing	0	-	20m E	1
RWBL		Calling	1	-	50m E	1
COYE		Singing	0	-	50m N	2
CSWA		"	0	-	40m N	4
WTSP		Calling/seen	0	-	10m N	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

YBSA nest w/ pair excavating @ nest.
Another AMEO nest.

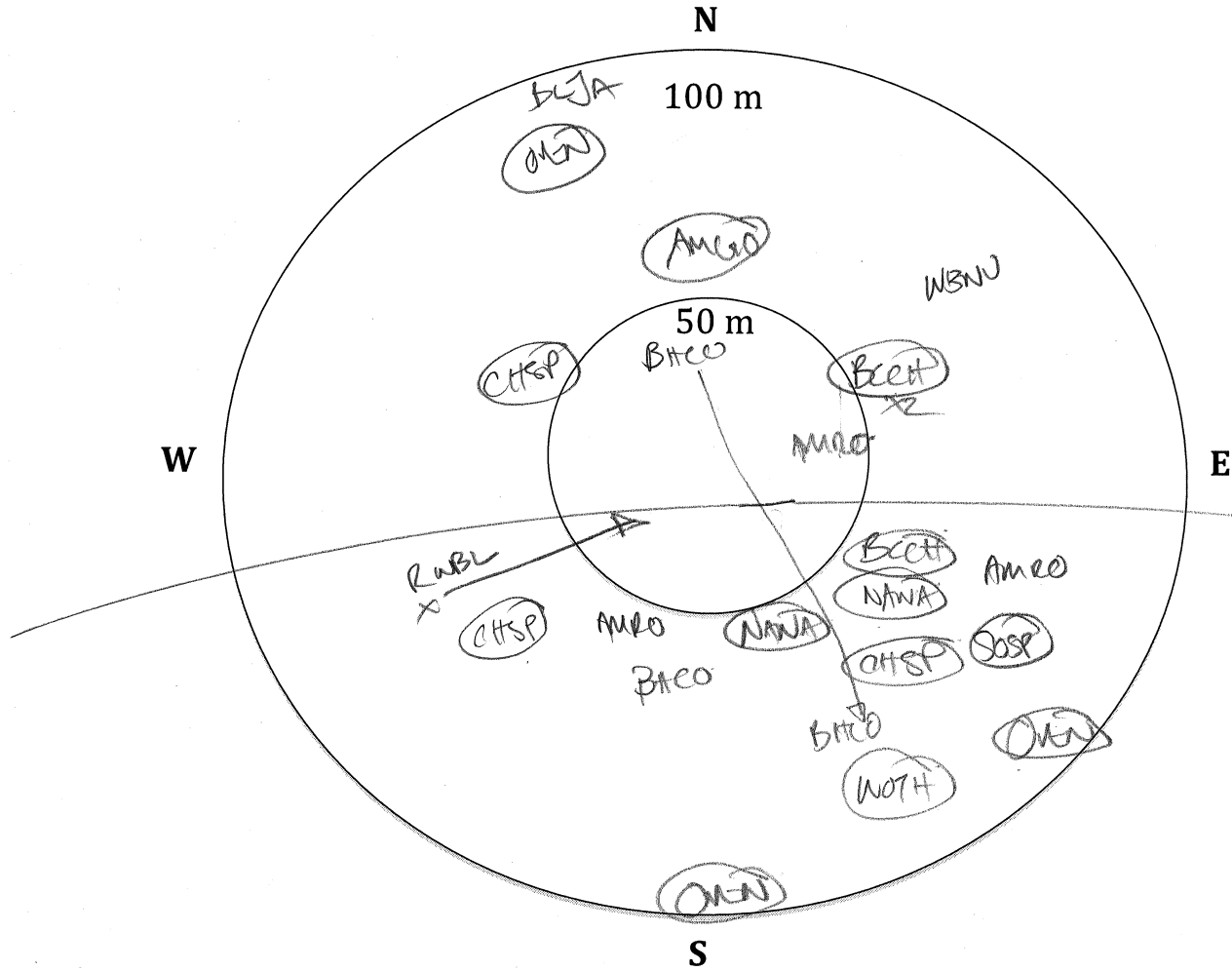
Surveyor: RLIFE Date: 2013-05-14 S. Time 09:00 E. Time 09:10
 Temp: 7°C Wind: 0 Cloud: 1/10 Rain: 0 Last 24 hrs: frost overnight

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: LMSA04

GPS location: 187 0364642 4898227 Pt. Count ID: LMSA04-1



Alpha Code	Status	0-3	3-5	5-10	Dist
OLN	S	11	1		90 & 100
BcoH	S	111			55
CHSP	S	1		11	55 & 15 & 70
NANA	S	11			55
WOTH	S	1			95
BLJA	C		1		100
AMRO	C		1		55

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
AMRO	seen		1	11	50 & 55 & 70
Btco	C			11	40 & 65
WBNU	C			1	80
RUBL	x			1	x
SOSP	S			1	80

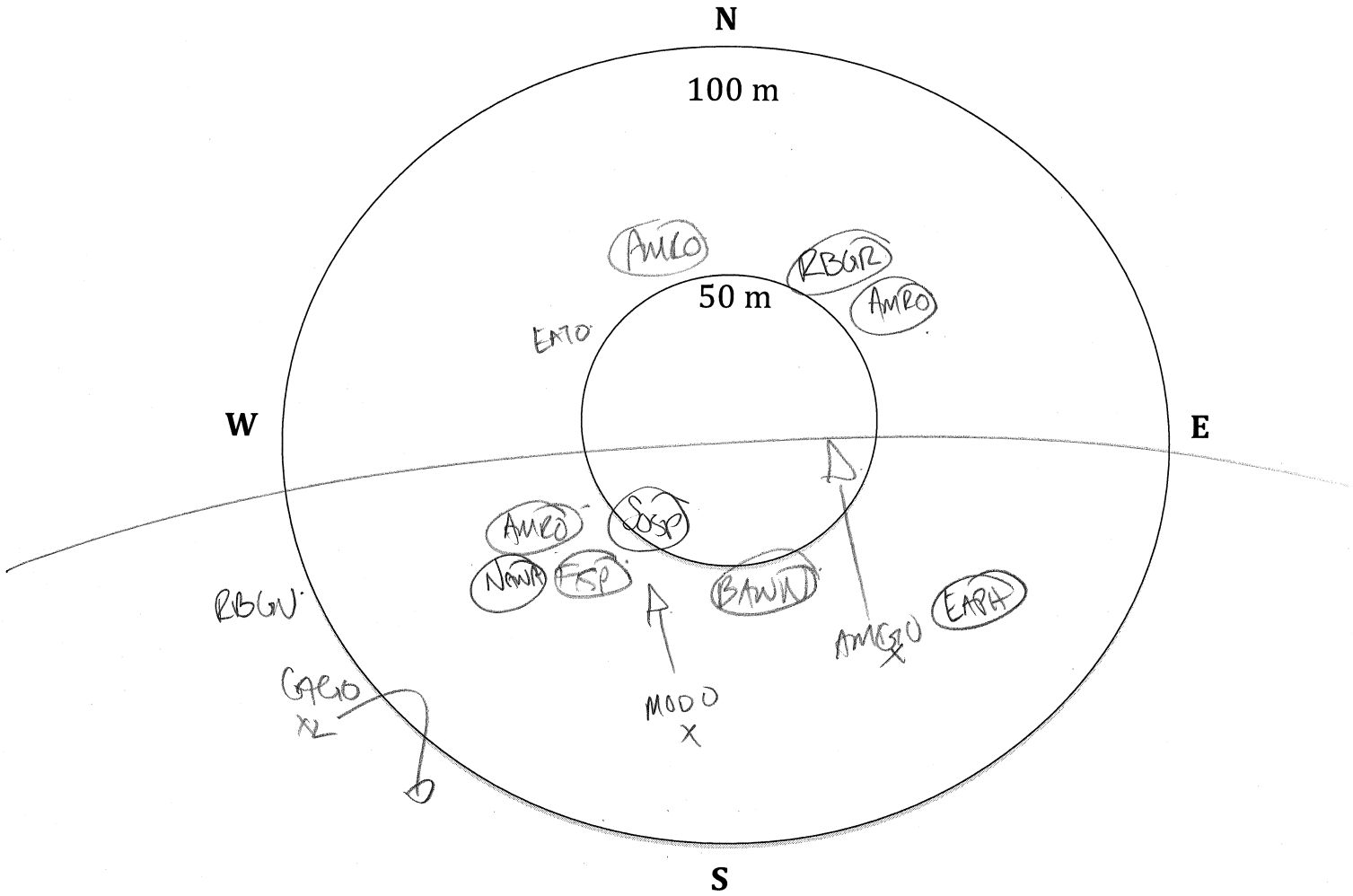
Surveyor: RL : FC Date: 2008-05-14 S. Time 09:12 E. Time 09:22
 Temp: 7°C Wind: 0 Cloud: 1/10 Rain: 0 Last 24 hrs: Frost + Rain

AVIAN POINT COUNT CENSUS FORM

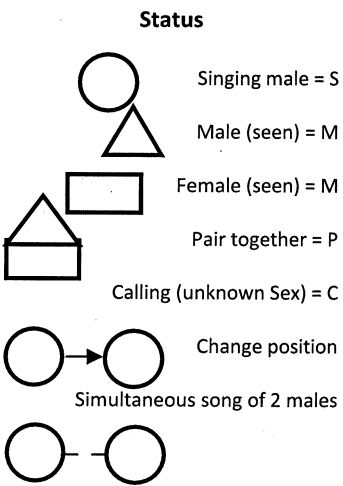
*Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale

Project Name: EENSTANN Habitat Type: LMSA04

GPS location: 187 Pt. Count ID: LMSA04-2



Alpha Code	Status	0-3	3-5	5-10	Dist
AMLO	S	11			60
FSP	S	1			60
BWND	S	1			55
EATD	C	1			60
CAED	X	11			X
SOSP	S		1		50
RBGV	C			1	110



Alpha Code	Status	0-3	3-5	5-10	Dist
RBGR	S			1	55
AMGO	X			1	X
MODD	X			1	X
NAWA	S			1	70
EARA	S			1	80

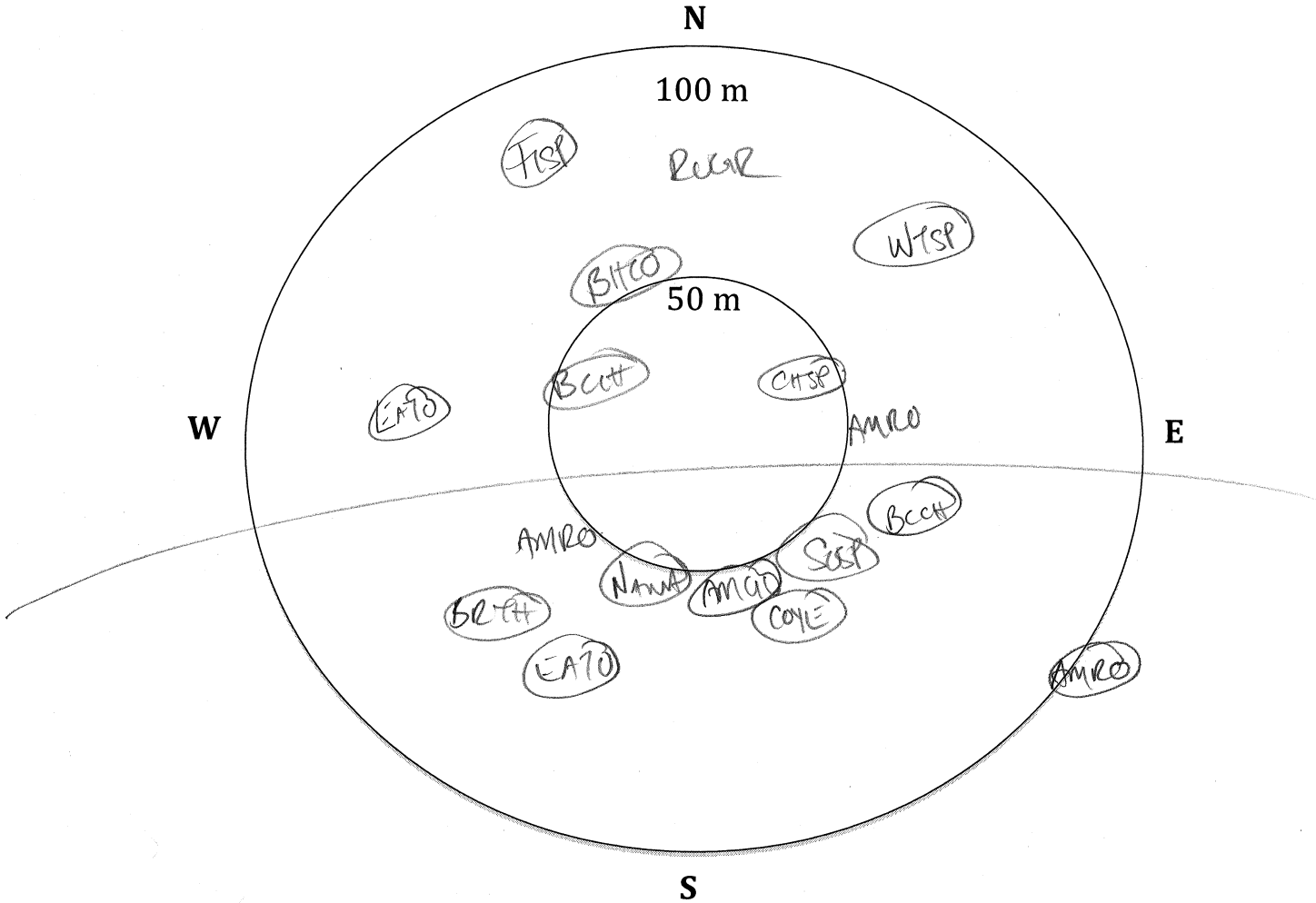
Surveyor: RL i. FC Date: 2013-05-14 S. Time 09:24 E. Time 09:34
 Temp: 7°C Wind: 0 Cloud: 24/1 Rain: 0 Last 24 hrs: frost & rain

AVIAN POINT COUNT CENSUS FORM

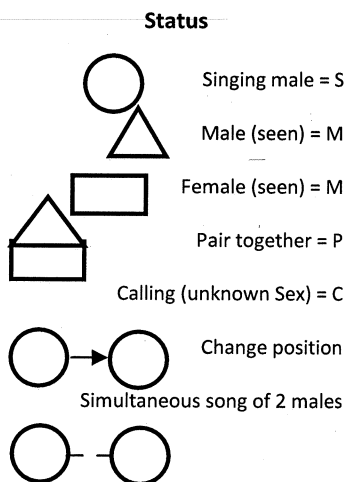
*Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale

Project Name: ERNESTOWN Habitat Type: LMSA04

GPS location: ¹⁸¹ 0364076 4897688 Pt. Count ID: LMSA04-3



Alpha Code	Status	0-3	3-5	5-10	Dist
CHSP	S	1			45
BRTH	S	1			80
BITCO	S	1			55
BCCH	S	1		1	50 & 65
RUBR	Sum.	1			70
FISP	S	1			90
SOSP	S	1			50



Alpha Code	Status	0-3	3-5	5-10	Dist
NAWA	S		1		50
WISP	S		1		85
EA70	S		1	1	80
AMRO	C/S			11	55 & 100
AMGO	S			1	50
COYE	S			1	60

Avian Stop Over Count Observations

Date: 2013-05-22 Surveyor(s): RL : EJ
 Start Time: 05:17 End Time: 06:14 Duration of transect: 60 mins
 Eastings: Northings: Station #: LMSA02
 Cld. Cover: 1/10 Visibility: POOR Temp Range: 12°C
 Rain: Ø Wind (Bft): Ø △ FOG. RAINED/THUNDER LAST NIGHT

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
RBUR		SINGING	1	-	100m E	5
ALFL		"	Ø-1	-	20m N	1
CSWA		"	Ø	-	40m S	4
BCH		"	Ø-1	-	50m SE ^{NE}	2
SOSP		"	Ø-1	-	10-50m ESS.	7
SWSP		"	Ø-1	-	50-100m E/W	2
YENA		"	Ø	-	50m W	2
COYE		"	Ø	-	10-90m N/S	5
RWB		CALLING	Ø	-	100m E	1
BLJA		"	Ø	W	>200m N	2
AMCR		"	Ø	W	>300m S/N	2
MODO		"	1	-	75m S	2
GRCR		SINGING	1	-	30m E	1
CASO		FLYING	X	N	150m W	1
AMGO		SINGING	1	-	40m N	1
OVEN		"	Ø-1	-	50m S	9
NOTH		"	Ø	-	50m E	3
VESP		"	Ø	-	50m W	2
SWTH		"	Ø	-	50m S	1
RgV		"	1	-	40m S	8
EWPW		"	1	-	50m S	3
GCFE		CALLING	1	-	50m S	1
DWNO		"	1	-	100m W	1
AMRO		SINGING	1	-	50m E	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

Quincy Low

Date: 2013-05-22 Surveyor(s): R. J. E. J. C.
 Start Time: 08:15 End Time: 09:36 Duration of transect: 75 mins
 Eastings: _____ Northings: _____ Station #: CMSA04
 Cl. Cover: 10/10 Visibility: POOR Temp Range: 18°C
 Rain: 0 Wind (Bft): 0 FOG HUMID.

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
CEPW		PERCHED	1	-	30m S	12
BLPW		FORAGING	1	-	10m S	1
BECH		CALLING	0-1	-	10m E	8
AMRO		SINGING	1	-	10m N-S	7
SCTA		"	0-1	-	20-100m N	2
COYE		"	0	-	50m E	11
OWN		"	0-1	-	50m W	5
NOFL		CALLING	0-1	-	100m E	1
BLJA		"	1	-	40m S	1
CSWA		SINGING	0	-	50m W	1
SOSP		"	0	-	50m S	19
CLSP		FLUSHED NEAR NEST	0	-	<1m E	2
YUNA		SINGING	0-1	-	10m E	1
AMGO		CALLING	0	-	10m SE	5
SPSA		"	0	-	40m E	1
CSWA		SINGING	0	-	50m S	1
EATO		"	0	-	100m S	1
BLJA		CALLING	U	U	7/50m SW	5
FISP		SINGING	0	-	100m S	2
CHSP		"	0	-	20m S	1
KILL		CALLING	0	-	100m N	1
RBGR		SINGING	0-1	-	100m E	2
MODD		CALLING	0-1	-	100m E	1
RWBL		"	0	-	100m E	8
AMCR		"	2	-	100m SE	1
GBHE		FLYING	1	S	30m E	1
JWSP		SINGING	0	-	50m E	1
EWPW		"	1	-	50m N	1
GRCA		"	0	-	20m N	2
AMRE		FORAGING	1	-	10m S	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

SOSP - Song Sparrow, FLUSHED → found nest w/ 5 eggs.
 BLPW - Blackpoll Warbler.

Avian Stop Over Count Observations

Quincy's Rainy Loop

Date: <u>2013-05-23</u>	Surveyor(s): <u>RL, JS</u>	
Start Time: <u>6:50</u>	End Time: <u>09:15</u>	Duration of transect:
Eastings: <u> </u>	Northings: <u> </u>	Station #: <u>LMSA04</u>
Cld. Cover: <u>10/10</u>	Visibility: <u>Good</u>	Temp Range: <u>18°C</u>
Rain: <u>0</u>	Wind (Bft): <u>0-1</u>	

How INBU 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
SOXA		SINGING	0-1	-	50m S	1
GCFL		SINGING	0-1	-	100m W	2
COYE		SINGING	0	-	10-50m W	9
EA10		CRUNG	1	-	20m W	2
RWKE		"	1	-	30-130m W/N	11
SOSP		SINGING	0	-	10m S	17
ESWA		"	0	-	50m W	4
AMGD		Flying/CRUNG	X	W	10m E	5
RB6W		Flying	X	N	50m E	5
KILL		CRUNG	0	-	100m NE	2
WOTH		SINGING	0	-	50m S	3
YENA		"	0	-	100m S	3
AMRO		"	0-1	-	100m S	10
FISP		Perched	0	-	20m SE	2
GBHE		Flying	1-2	N	100m E	1
WTSP		SINGING	0	-	20m E	1
OLN		"	0-1	-	100m S	4
AMGD		SINGING	1	-	50m S	1
COGR		Flying	X	S	20m E	1
CHSP		SINGING	0-1	-	100m N	1
AMCR		CRUNG	U	U	10-300m E/N	4
BCH		"	1	-	20m W	4
BLJA		"	U	U	>200m N/E	5
MALL		Fished	0-2	N	100m N	3
RBGR		SINGING	1	-	100m N	2
COGR		CRUNG	1	-	10m E	6
AMCR		Flying	X	N	20m NE	1
GREX		SINGING	0-1	-	10m N	4
EAPA		"	1	-	100m N	1
OSPR		Flying	X	W	50m S	1
BLK		Perched	1	-	100m N	2
SWSP		SINGING	0	-	50m N	2
EA10		CRUNG/Perched	1	-	50m S	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

2
2
2

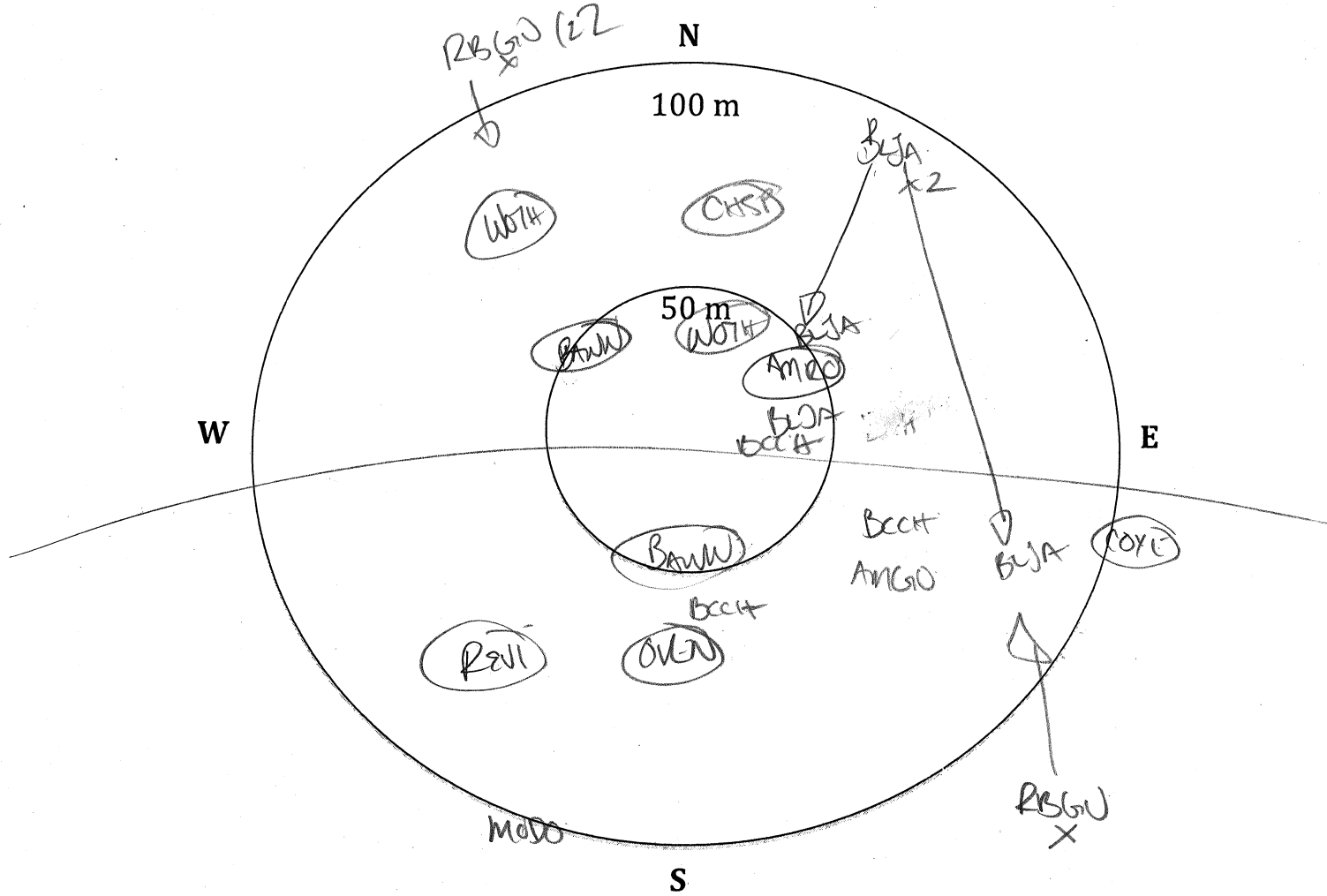
Surveyor: PL: E.J. & FC Date: 2013-05-23 S. Time 0550 E. Time 06:00
 Temp: 18°C Wind: Ø Cloud: 10/10 Rain: intermittent drizzle Last 24 hrs: thundershowers

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: LMSAØ4

GPS location: 187 0344641 4098229 Pt. Count ID: LMSAØ4-1



Alpha Code	Status	0-3	3-5	5-10	Dist
BANW	S	"			50.
ANGO	C	1			75.
WTH	S	1	1		50-75.
OHSR	S	1			75.
BCHA	C	1	1	1	80.
MODO	C	1			100.
Rgvl	S	1			75

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
OLVN	S		1		75.
BJA	C		111		90.
RBGW	X		1	11	X
AMGO	S			1	50.

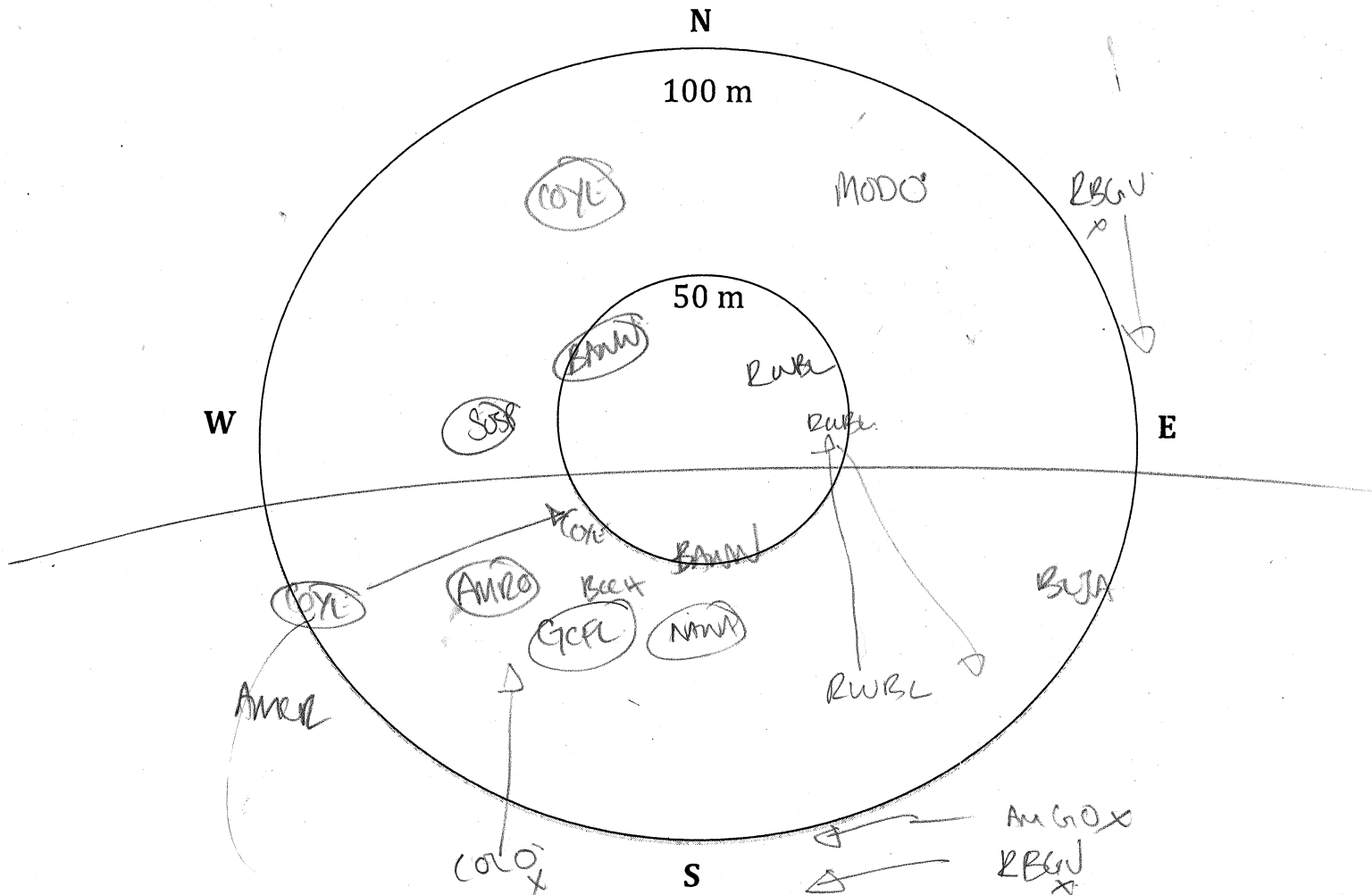
Surveyor: R. E. G. I. F. C. Date: 2013-05-23 S. Time 06:03 E. Time 06:13
 Temp: 18°C Wind: 0 Cloud: 10/10 Rain: intermittent drizzle Last 24 hrs: thundershowers

AVIAN POINT COUNT CENSUS FORM

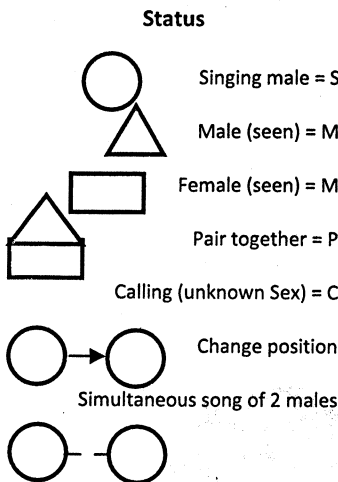
*Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale

Project Name: ERNSTOWN Habitat Type: LMSA04

GPS location: 181 036 4294 489 7887 Pt. Count ID: LMSA04-2



Alpha Code	Status	0-3	3-5	5-10	Dist
BANW	S	1	1		50
COYE	S	1	1		75
AMCE	C	1			>100
SOSP	S	1			60
AMCO	S	1			60
BCUH	C	1			40
GCPFL	S	1			75



Alpha Code	Status	0-3	3-5	5-10	Dist
RBGV	X			11	X
NANA	S			1	75
AMCO	X			1	X
RWBL	seen			11	50-75
MODO	C			1	75
COYO	C, X			1	X

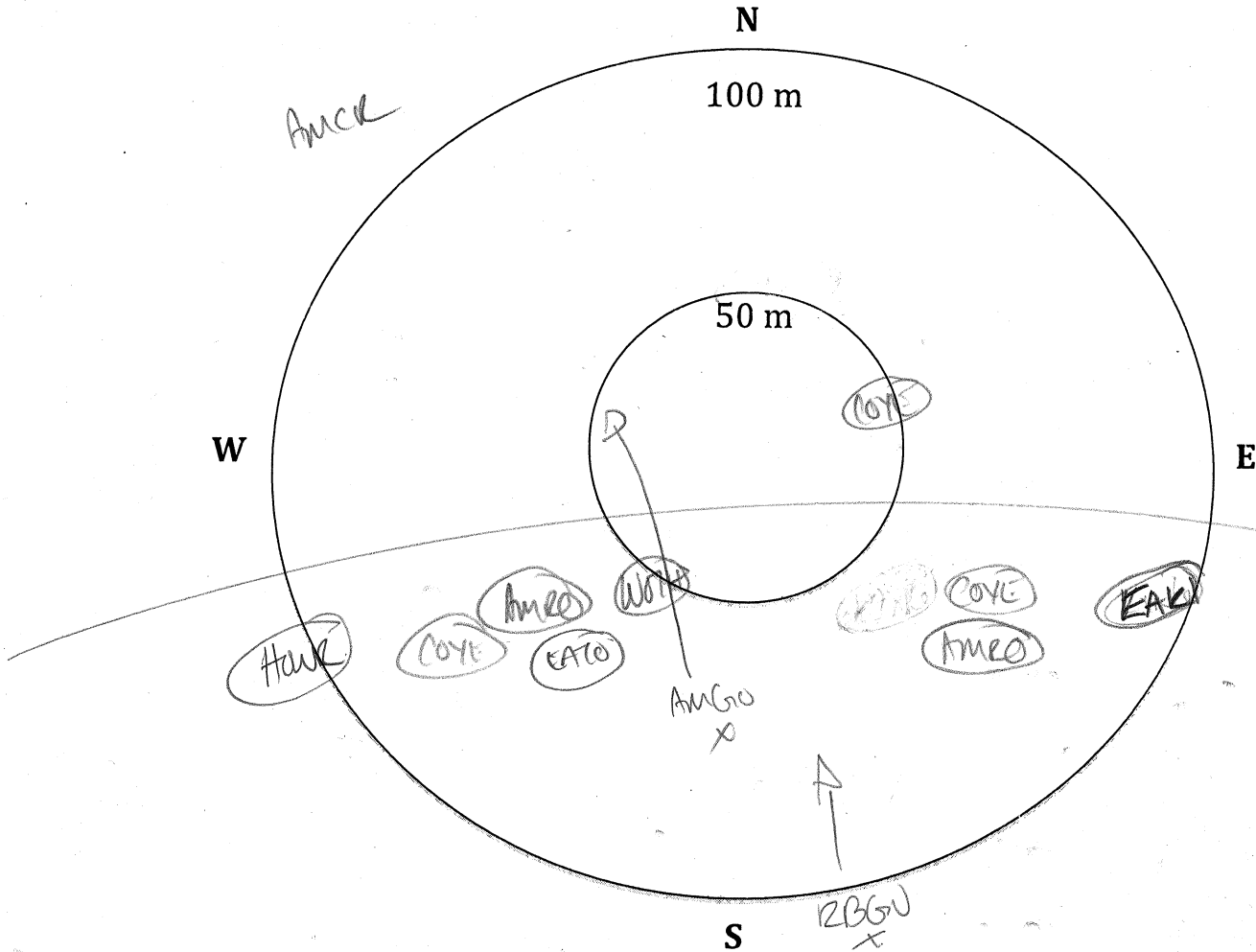
Surveyor: RL, EJ, FC Date: 2013-05-23 S. Time 06:15 E. Time 06:25
 Temp: 18°C Wind: 0-1 Cloud: 10/10 Rain: intermittent drizzle Last 24 hrs: Thunderstorms

AVIAN POINT COUNT CENSUS FORM

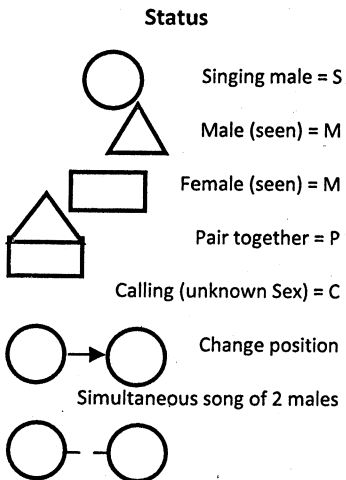
*Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale

Project Name: ELANSTOWN Habitat Type: LWSA84

GPS location: ^{187.} 0364028 4897689 Pt. Count ID: LWSA84-3



Alpha Code	Status	0-3	3-5	5-10	Dist
COYE	S	11	1		75
WOTH	S		1		50
AMEO	S	11			75
EATO	S	1			75
Hawk	S	1			100
AMGO	X	1			X
RBOU	X		1		X



Alpha Code	Status	0-3	3-5	5-10	Dist
EAKI	S			1	90
AMCR	S			1	>100

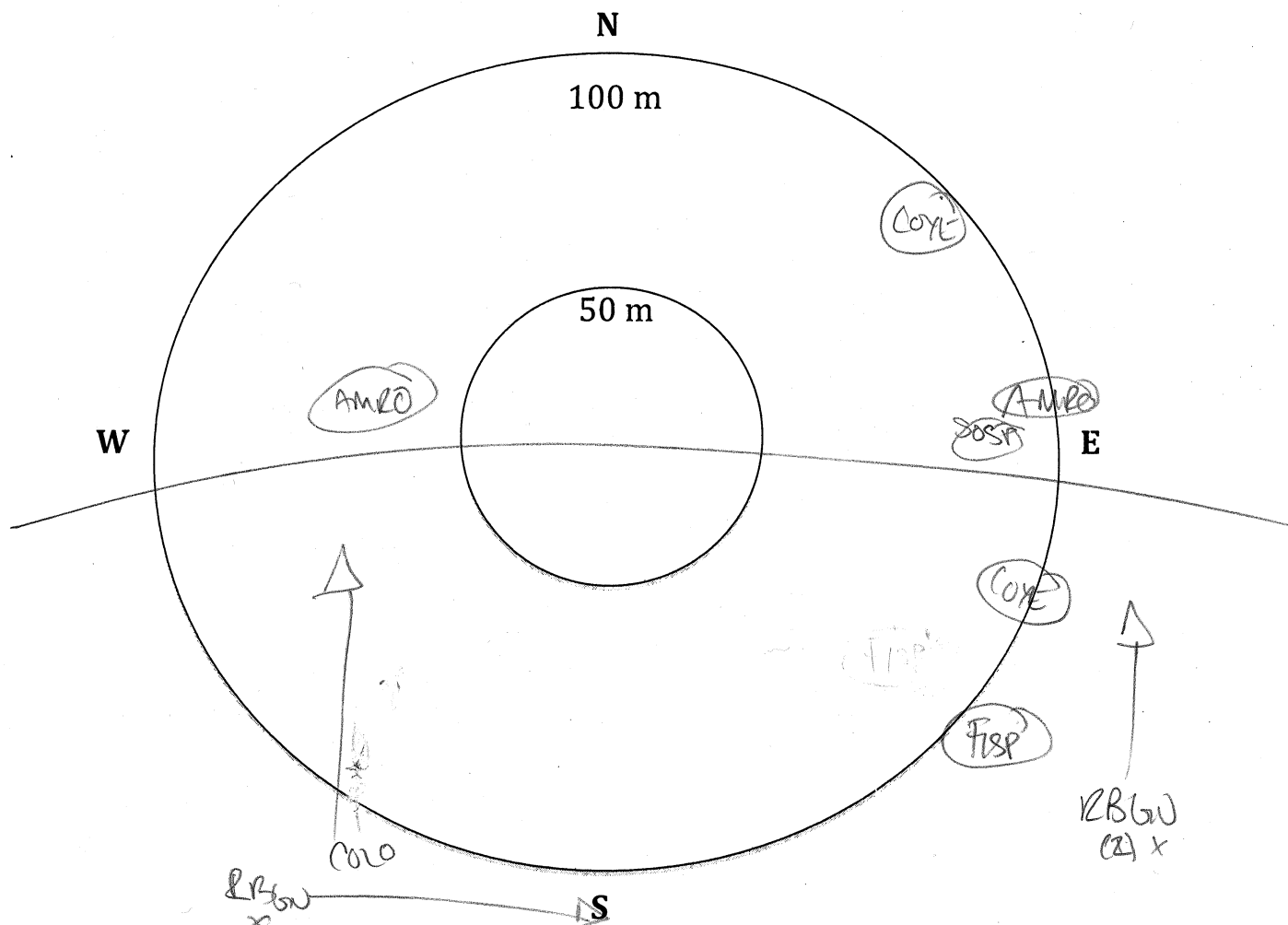
Surveyor: PLIET Date: 2013-05-24 S. Time 06:28 E. Time 06:38
 Temp: 5°C Wind: 3-4 Cloud: 10/10 Rain: DRIZZLE Last 24 hrs: RAIN

AVIAN POINT COUNT CENSUS FORM

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






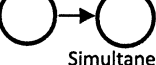
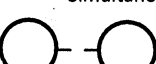
Project Name: ERNESTOWN Habitat Type: LMSA04

GPS location: 181 036408x 4897684 Pt. Count ID: LMSA04



Alpha Code	Status	0-3	3-5	5-10	Dist
AMRO	S	11			60-100
COLO	X		1		X
RBGW	X		11	1	X
COYE	S		1	1	95-100
FISP	S		1		110
SOSP	S			1	90

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

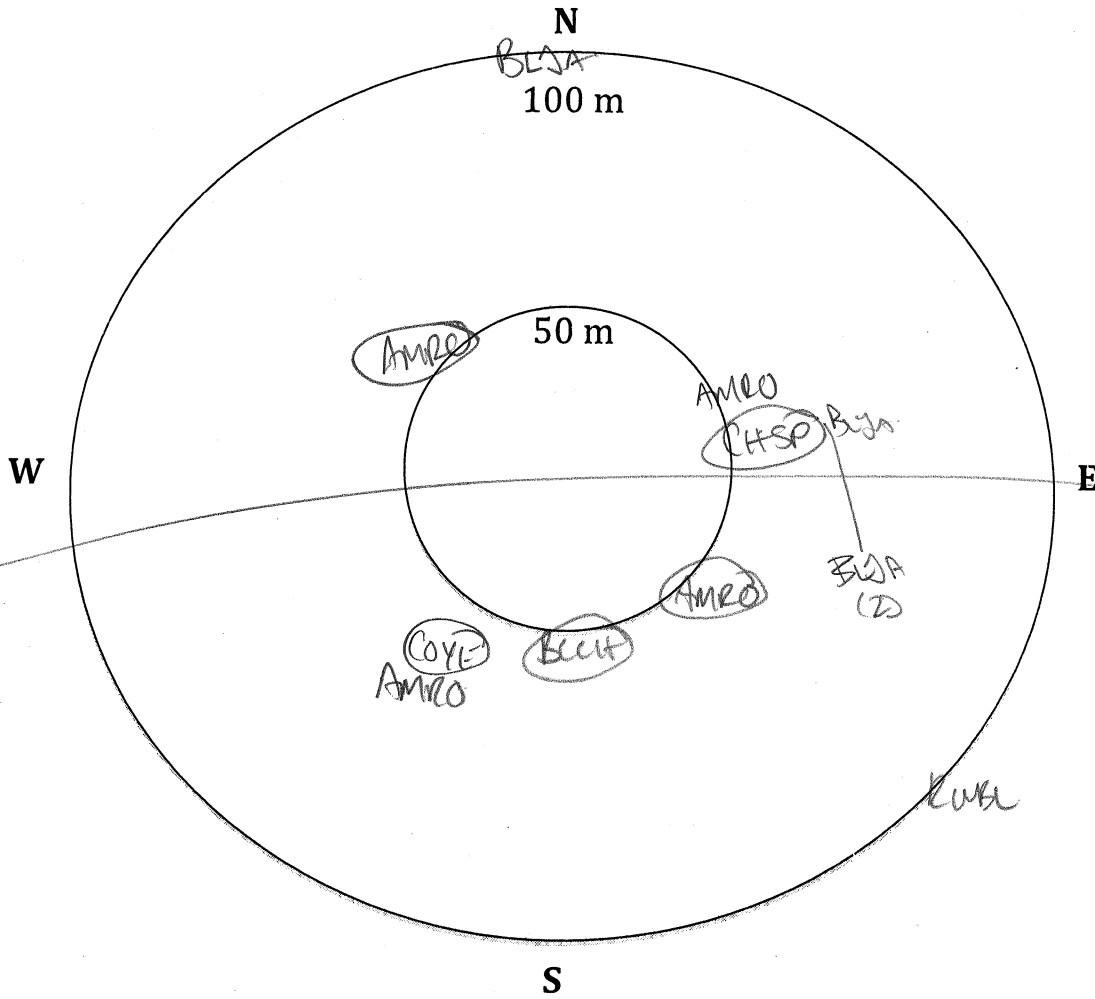
Surveyor: RL [unclear] Date: 2013-05-24 S. Time 06:17 E. Time 06:27
 Temp: 5°C Wind: 3-4 Cloud: 10/10 Rain: DRIZZLE Last 24 hrs: RAIN

AVIAN POINT COUNT CENSUS FORM

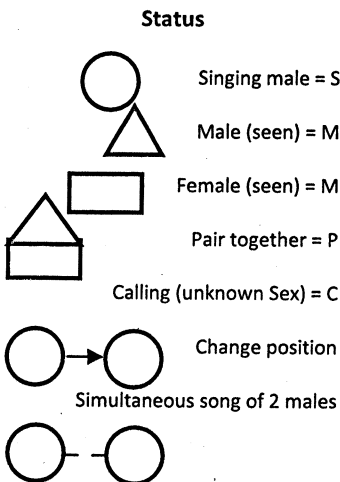
*Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale

Project Name: ERNESTOWN Habitat Type: LMSA04

GPS location: ^{18T} 0364293 4897807 Pt. Count ID: LMSA04-2



Alpha Code	Status	0-3	3-5	5-10	Dist
CHSP	S	1			50
AMRO	S: seen				50-70
BLJA	C: seen	1			70-100
RWBL	C	1			100
BCHT	S	1			55
COYE	S	2	1		60



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

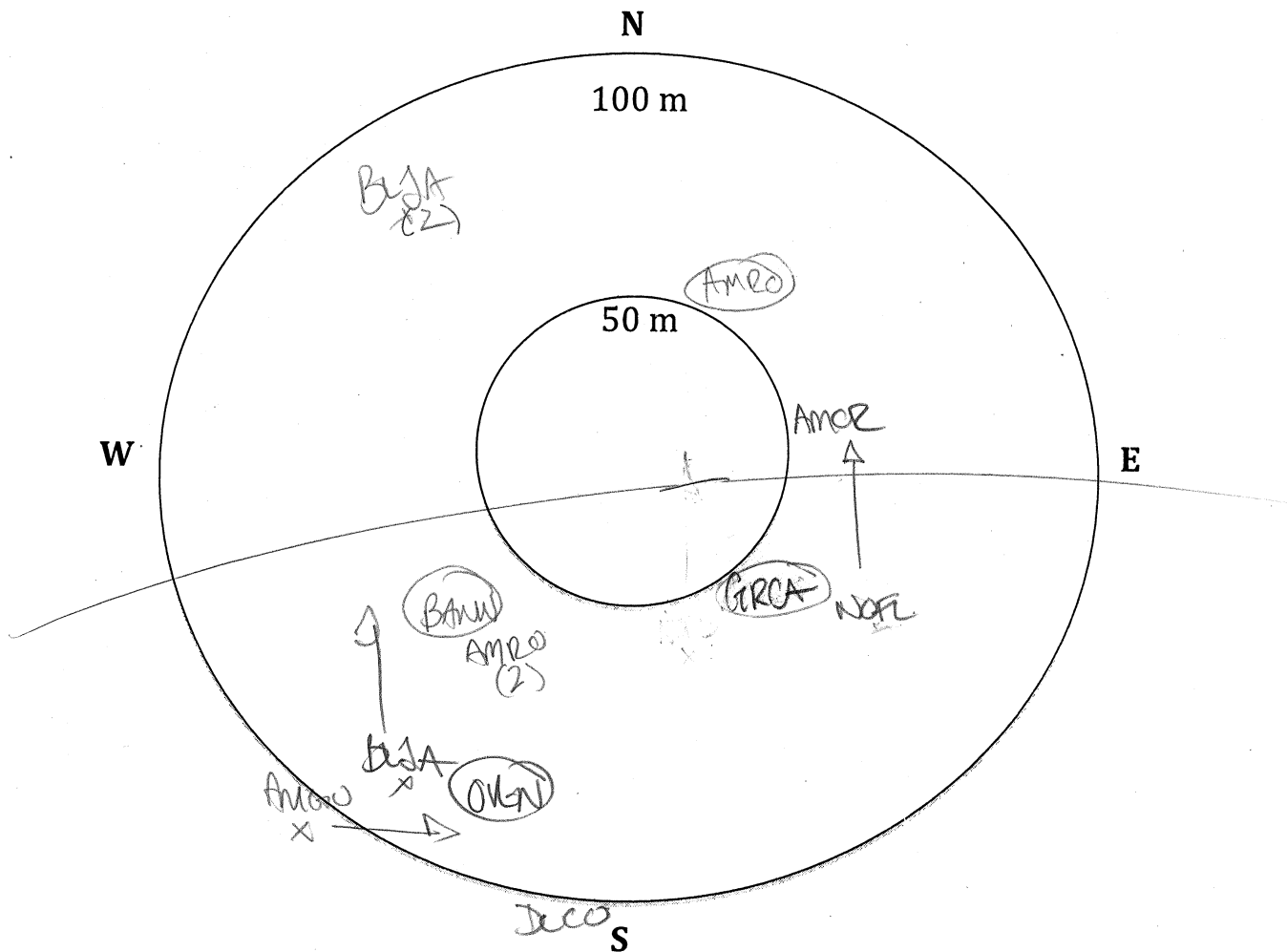
Surveyor: Bl. E.J. ... Date: 2013-05-24 S. Time 06:05 E. Time 06:15
 Temp: 50C Wind: 4-5 Cloud: 10/10 Rain: 40% AT 06:00 Last 24 hrs: Rain

AVIAN POINT COUNT CENSUS FORM

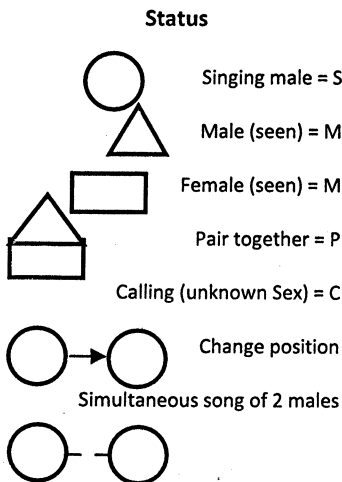
*Conducted on a day with good visibility, no precipitation, and ≤3 on the Beaufort Scale

Project Name: ERNSTOWN Habitat Type: LMSA04

GPS location: _____ Pt. Count ID: LMSA04-1



Alpha Code	Status	0-3	3-5	5-10	Dist
AMCO	S	11	11		55-70
BLJA	C	11		1	90
BANW	S	1			60
AMCO	X		1		X
GRCA	S		1		55
AMCE	Seen			1	55
OLVN	Seen			1	55



Alpha Code	Status	0-3	3-5	5-10	Dist
Deco	seen			1	105
OLVN	S			1	90

Avian Stop Over Count Observations

Date:	<u>2013-05-31</u>	Surveyor(s):	<u>EL & FC</u>
Start Time:	<u>07:10</u>	End Time:	<u>08:00</u>
Eastings:		Northings:	
Cld. Cover:	<u>1/10</u>	Visibility:	<u>GOOD</u>
Rain:	<u>0</u>	Wind (Bft):	<u>0</u>
		Duration of transect:	<u>50mins</u>
		Station #:	<u>LMSA 03</u>
		Temp Range:	<u>18°C</u>

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
CLDW		calling	1	-	10m N	9
INBO		Singing	1	-	20m S	3
REVI		"	1	-	30m E	13
AMBO		"	0-1	-	30m W	7
SOSP		"	0	-	30m N	10
YONA		"	0	-	30m N	1
BLJA		Perched	1	-	10m S	1
RNBL		calling	0	-	50m N	3
BCCH		"	0-1	-	20m W	5
OMN		Singing	0-1	-	100m E	13
EAPN		"	0	-	50m E	7
COYE		"	1	-	50-100 ESS	6
AMGO		calling	1	-	30m N	1
EATO		Singing	0	-	100m S	1
BRTH		"	0	-	100m S	1
ALFL		"	1	-	100m S	1
NANA		Singing	0-1	-	50m S	2
GEFL		"	1	-	100m E	4
RBGR		"	1	-	50m SE	2
WOTH		"	0-1	-	50m NE	5
WBNU		calling	1	-	20m N	1
BLSA		"	1	-	100m S	1
AMKR		"	UK	UK	>200m S	1
CORA		"	UK	UK	>300m N	1
CSWA		Singing	0	-	50m N	2
DANO		calling	1	-	100m S	1
BHCO		"	1	-	30m 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:	<input type="text" value="2013-05-31"/>	Surveyor(s):	<input type="text" value="RL etc"/>
Start Time:	<input type="text" value="06:00"/>	End Time:	<input type="text" value="07:05"/>
Eastings:	<input type="text"/>	Northings:	<input type="text"/>
Cld. Cover:	<input type="text" value="1/10"/>	Visibility:	<input type="text" value="6000"/>
Rain:	<input type="text" value="0"/>	Temp Range:	<input type="text" value="15°C"/>
		Station #:	<input type="text" value="LMSA 02"/>
		Duration of transect:	<input type="text" value="65 min"/>

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
RWBL		Singing on ground	0	-	40m E	2
ACFL		Singing	1	-	30m E	3
WSP		"	0	-	40m S:W	2
CSWA		"	0	-	20-30m E-S	4
EACI		Crowning	1	-	50m N	3
WBNW		"	1	-	50m S	2
AMGR		"	0	0	300m S	3
COYC		Singing	0	-	10-50m N-S	7
WOTH		"	0-1	-	50m S	3
SOSP		"	0	-	10m N	6
RBWJ		Flying	X	S:W	100m E	2
YCWA		Singing	0	-	30m E	6
BLJA		Flying	1	S	10m E	4
RBGR		Singing	1	-	50m S	4
GRCA		Crowning	0	-	10m S	3
SWSF		Singing	0	-	10m S	2
BHCO		Crowning	1	-	10m E	4
BAOR		Building Nest	1	-	30m N	2
CEWJ		Crowning	1	-	30m E	3
FECH		"	1	-	30m S	8
OVEN		Singing	1	-	10-50m E-S	14
REVI		"	0-1	-	20-50m E-S	10
INBU		"	0-1	-	20m W	4
NOFL		Crowning	1	-	50m S	1
SCVA		Singing	1	-	50m E	2
EAPW		"	1	-	30m E	4
EAPH		"	1	-	50m SW	1
MOOO		"	0-1	-	40m NE	2
GRFL		"	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

BAOR - found nest - building
 EACI - carrying nesting material

APPENDIX C – ABUNDANCE ESTIMATES DATA ANALYSIS

Table C-1: Abundance Estimates for Transect Data

Transect	A (m ²)	L (m) - 2012	L (m) - 2013	w (m)
LMSA01	155695.134	580.849	580.849	100
LMSA02	195152.774	1550.003	1550.003	100
LMSA03	637174.882	1458.857	1458.857	100
LMSA04	1261319.728	2646.617	2579.685	100

Season	Date	Habitat	Species Richness	Raw Abundance (n)	D	Estimated Abundance (N)
Fall 2012	2012-08-30	LMSA01	7	12	0.000103	16
	2012-09-06	LMSA01	7	22	0.000189	29
	2012-09-11	LMSA01	2	4	0.000034	5
	2012-09-19	LMSA01	4	5	0.000043	7
	2012-09-27	LMSA01	7	45	0.000387	60
	2012-10-03	LMSA01	2	4	0.000034	5
	2012-10-05	LMSA01	6	18	0.000155	24
	2012-10-09	LBMA01	6	14	0.000121	19
	2012-08-30	LMSA02	13	27	0.000087	17
	2012-09-06	LMSA02	4	12	0.000039	8
	2012-09-11	LMSA02	18	41	0.000132	26
	2012-09-19	LMSA02	10	49	0.000158	31
	2012-09-27	LMSA02	16	98	0.000316	62
	2012-10-03	LMSA02	10	51	0.000165	32
	2012-10-05	LMSA02	12	52	0.000168	33
	2012-10-09	LMBA02	10	38	0.000123	24
	2012-10-17	LMSA02	14	52	0.000168	33
	2012-08-30	LMSA03	8	13	0.000045	28
	2012-09-06	LMSA03	10	29	0.000099	63
	2012-09-11	LMSA03	10	23	0.000079	50
2012-09-19	LMSA03	12	29	0.000099	63	
2012-09-27	LMSA03	13	84	0.000288	183	
2012-10-03	LMSA03	8	42	0.000144	92	
2012-10-05	LMSA03	12	53	0.000182	116	

	2012-10-09	LMSA03	13	106	0.000363	231
	2012-10-17	LMSA03	8	28	0.000096	61
	2012-08-31	LMSA04	21	92	0.000174	219
	2012-09-07	LMSA04	11	45	0.000085	107
	2012-09-12	LMSA04	11	89	0.000168	212
	2012-09-20	LMSA04	6	60	0.000113	143
	2012-09-28	LMSA04	15	190	0.000359	453
	2012-10-02	LMSA04	11	116	0.000219	276
	2012-10-04	LMSA04	9	115	0.000217	274
Spring 2013	2013-04-02	LMSA01	2	2	0.0000172	3
	2013-04-10	LMSA01	3	6	0.0000516	8
	2013-04-17	LMSA01	4	15	0.0001291	20
	2013-04-24	LMSA01	2	4	0.0000344	5
	2013-05-01	LMSA01	5	10	0.0000861	13
	2013-05-03	LMSA01	5	8	0.0000689	11
	2013-05-08	LMSA01	4	6	0.0000516	8
	2013-05-09	LMSA01	5	9	0.0000775	12
	2013-05-12	LMSA01	4	5	0.0000430	7
	2013-05-14	LMSA01	8	11	0.0000947	15
	2013-05-22	LMSA01	9	12	0.0001033	16
	2013-05-31	LMSA01	12	21	0.0001808	28
	2013-04-02	LMSA02	4	23	0.0000742	14
	2013-04-10	LMSA02	5	32	0.0001032	20
	2013-04-17	LMSA02	8	40	0.0001290	25
	2013-04-24	LMSA02	4	24	0.0000774	15
	2013-05-01	LMSA02	10	33	0.0001065	21
	2013-05-03	LMSA02	12	32	0.0001032	20
	2013-05-08	LMSA02	14	47	0.0001516	30
	2013-05-09	LMSA02	15	51	0.0001645	32
	2013-05-12	LMSA02	11	45	0.0001452	28
	2013-05-14	LMSA02	17	60	0.0001935	38
	2013-05-22	LMSA02	18	58	0.0001871	37
	2013-05-31	LMSA02	23	95	0.0003065	60
2013-04-02	LMSA03	4	20	0.0000685	44	

2013-04-10	LMSA03	6	25	0.0000857	55
2013-04-17	LMSA03	7	39	0.0001337	85
2013-04-24	LMSA03	7	60	0.0002056	131
2013-05-01	LMSA03	7	47	0.0001611	103
2013-05-03	LMSA03	14	47	0.0001611	103
2013-05-08	LMSA03	10	47	0.0001611	103
2013-05-09	LMSA03	12	61	0.0002091	133
2013-05-12	LMSA03	11	48	0.0001645	105
2013-05-14	LMSA03	16	83	0.0002845	181
2013-05-22	LMSA03	17	81	0.0002776	177
2013-05-31	LMSA03	20	94	0.0003222	205
2013-04-03	LMSA04	3	41	0.0000795	100
2013-04-09	LMSA04	8	95	0.0001841	232
2013-04-18	LMSA04	9	104	0.0002016	254
2013-04-23	LMSA04	13	73	0.0001415	178
2013-04-30	LMSA04	11	79	0.0001531	193
2013-05-02	LMSA04	16	84	0.0001628	205
2013-05-07	LMSA04	17	74	0.0001434	181
2013-05-09	LMSA04	15	60	0.0001163	147
2013-05-12	LMSA04	16	57	0.0001105	139
2013-05-13	LMSA04	15	54	0.0001047	132
2013-05-22	LMSA04	20	86	0.0001667	210
2013-05-23	LMSA04	21	75	0.0001454	183

Table C-2: Abundance Estimates for Point Count Data

<table border="1"> <thead> <tr> <th>Point Count</th> <th>A (m²)</th> <th>k</th> <th>π</th> <th>w (m)</th> </tr> </thead> <tbody> <tr> <td>LMSA04-1/2/3</td> <td>1261319.728</td> <td>3</td> <td>3.141592654</td> <td>100</td> </tr> </tbody> </table>							Point Count	A (m ²)	k	π	w (m)	LMSA04-1/2/3	1261319.728	3	3.141592654	100
Point Count	A (m ²)	k	π	w (m)												
LMSA04-1/2/3	1261319.728	3	3.141592654	100												
Season	Date	Habitat	Species Richness	Raw Abundance (n)	D	Estimated Abundance (N)										
Spring 2013	2013-04-03	LMSA04	4	17	0.000361	455										
	2013-04-09	LMSA04	4	12	0.000255	321										
	2013-04-18	LMSA04	3	14	0.000297	375										
	2013-04-23	LMSA04	4	11	0.000233	294										
	2013-04-30	LMSA04	3	5	0.000106	134										
	2013-05-02	LMSA04	5	14	0.000297	375										
	2013-05-07	LMSA04	7	15	0.000318	401										
	2013-05-08	LMSA04	5	9	0.000191	241										
	2013-05-13	LMSA04	7	10	0.000212	268										
	2013-05-14	LMSA04	9	16	0.00034	428										
	2013-05-23	LMSA04	8	10	0.000212	268										
	2013-05-24	LMSA04	4	8	0.00017	214										