

**Rose Energy Project: Additional Winter Bird Survey  
2008-2009, Lough Neagh, County Antrim**

**By:**

**Clonaog Environmental**

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## 1.0 REPORT AUTHOR

Ian Herbert spent four years working with the Irish Wildbird Conservancy (Birdlife Ireland) between 1984 and 1988, where he managed nature reserves, conducted bird surveys, organised species protection and produced habitat management plans.

In 1987 he led an ornithological survey of the River Shannon Callows (floodplain), which led to the area being designated as a Special Protection Area (SPA) for its breeding waders and corncrake.

In 1988 he was the national organiser (1<sup>st</sup> year) for the New Atlas of Breeding Birds for Britain and Ireland before moving to Northern Ireland to become head warden of a nature reserve at Crom on Upper Lough Erne. This work included monitoring the bird populations of ancient woodland and freshwater habitat using the Common Bird Census (CBC) methodology. During this time he completed a Master's degree in environmental management – researching the impact of egg predation on lapwing. After 10 years as a reserve warden Ian worked as a research officer in the University of Ulster for 3 years.

Ian has now established his own business as an ecologist, specialising in bird related survey and research, which includes wind farm survey, breeding bird survey and wintering bird survey.

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## **2.0 INTRODUCTION**

- 2.1 This report summarises additional winter bird counts requested by Marengo Environmental consultants on behalf of Rose Energy. Monthly counts took place between October 2008 and March 2009 at the same locations as the original survey (Rose Energy Project: Winter Bird survey, Lough Neagh, Co. Antrim, Clonaog Environmental, March 2008) - a study area along the Lough Neagh shoreline corresponding to three WeBS count zones 02529, 02530 and 02531. Wintering wildfowl and waders using fields adjacent to the Lough were also counted. A survey of birds within the development site was also undertaken.
- 2.2 The survey provided new count data for the months October 2008 to March 2009. The original survey commenced in January 2008 and finished in March 2008 and therefore did not cover the entire winter period (Herbert 2008). Data for the 3 months is compared with the corresponding dates in 2009 (Tables 1-3 and 5-7). Tables 4 and 8 provide a monthly species count summary for the original survey and the additional survey. Scientific names are listed in the original report of 2008.

## **3.0 SURVEY AIMS**

- 3.1 To examine the species numbers and distribution of wintering birds during October 2008 – March 2009 making use of Lough Neagh and adjacent habitats close to and within the proposed Rose Energy development site off Ballyvannon Road near Glenavy, Co. Antrim, 1.5 km east of the shoreline of Lough Neagh (Grid Ref. IJ132725).

## **4.0 METHODOLOGY**

- 4.1 For the Lough Neagh counts, methods followed those outlined in the WeBS core count survey as described in Gilbert et al 1998. Three locations were used – the Sandy Bay shoreline looking north and northwest, the shore at Ingrams Road, and at the point where the Crumlin River meets Lough Neagh at Lennymore Bay. This allowed all parts of the site to be viewed (using a telescope with 40x lens).
- 4.2 For the proposed development site and buffer zone survey, a route was walked, which enabled all parts of the site to be viewed within 50-60 metres and often less. Birds seen or heard were recorded on a 1:2500 OS map using British Trust for Ornithology (BTO) species code registrations as specified in the Common Bird Census methodology instructions (Marchant 1983). These were transferred to summary maps and tables. Poor weather (excessive wind and heavy rain) was avoided.

## **5.0 RESULTS AND ANALYSIS**

### **Lough Neagh**

- 5.1 A total of 26 individual bird species were recorded between the months of January 2008 and March 2008. A total of 27 species were recorded between the corresponding months of January 2009 to March 2009. The 2009 counts failed to record just 3 species seen the previous year – Oystercatcher, Herring Gull and Little Grebe. However, 4 additional species were recorded – Whooper

Swan, Snipe, Greylag Goose and Red-breasted Merganser. None of these involved large numbers of birds (5 or less) except for Whooper Swan (flocks of 36 in January 09, 61 in February 09 and 125 in March 09). Flocks of Whooper Swan were using fields more than 1 km away from the development site. It is considered that this flock of Whooper Swan will not be impacted by the proposed development. Overall, 30 different bird species were recorded over the 9 months.

### **Lough Neagh - Overview for Comparable Months (all sectors)**

- 5.2 Tables 1-3 compare individual bird species for those months where surveys were duplicated (2008 and 2009). A summary of bird counts across all months in both years is presented in Table 4.
- 5.3 There is some variation between corresponding months. In January 2008 (the first count) there was evidence of shooting disturbance and this appeared to reduce the numbers of dabbling and diving duck (all species less than 30 individuals). All other species were present in very small numbers except for Black-headed Gull, Lapwing and Golden Plover. January 2009 recorded an increase in all duck species except Pochard. There were also good numbers of waders and gulls.
- 5.4 In February 2008 there were similar numbers of all species except Wigeon, which showed a significant increase in 2009. Numbers of other species were generally low except for Gulls, Whooper Swan, Golden Plover and Lapwing.
- 5.5 March 2008 compared to March 2009 recorded similar numbers of Teal, Wigeon, Scaup and Gadwall but significantly fewer Mallard than in 2009. March 2008 recorded higher numbers of Tufted Duck, Pochard and Goldeneye. High numbers of Golden Plover and Shelduck were recorded in March 2009 but Lapwings were absent due to their migration to nesting grounds, which takes place in early spring. Gulls were well represented and Whooper Swans were feeding on fields adjacent to the Lough. The increased numbers of Great-crested Grebes in March of both years over other months can be explained by additional birds returning to the Lough for breeding, which starts in April. Note that Black-headed and Common Gull counts were less in March of both years due to their movement to offshore breeding islands.
- 5.6 Overall, the fluctuations in numbers of birds (mainly ducks) can be explained by the availability of such a large feeding and roosting habitat. They can move at will in response to weather, disturbance or other factors. This survey confirms the known value of Lough Neagh as a wintering habitat for a diversity of bird species, some of which stay to breed.

### **Development Site**

- 5.7 Tables 5-7 give a comparison of birds recorded at the development site between corresponding months in 2008 and 2009 (January – March). Table 8 provides a summary of records for all months the survey was active.
- 5.8 A total of 31 individual bird species were recorded within the proposed development site study area between the months of January 2008 and March 2008. A total of 33 species were recorded between the corresponding months of January 2009 to March 2009. Over the nine months of winter survey work, which included October 2008 – December 2008, a further 9 species were added to the list, which gives a total of 42 species for the 9 months.

- 5.9 The majority of birds recorded are considered to be common and widespread within the island of Ireland as noted in the original report. Of the additional 9 species recorded, 8 occurred on just one occasion and only one of these is of real conservation significance. This is the Lapwing, which is a red listed priority species. However, the record refers to a single bird, which was flying over and not using the site. Large numbers of Lapwing regularly use the Lough Neagh edge habitat and adjacent grassland, which is only 1-2 kilometres away and this bird was probably associated with these. The other species are Kestrel, Fieldfare, Treecreeper, Siskin, Chiffchaff, Mallard and Reed Bunting. Of these, Reed Bunting is a priority species for Northern Ireland and is usually associated with marshland in the breeding season and stubble fields in winter – several of which exist close to the site. Chiffchaff (early summer visitor) and Mallard were recorded in March and were no doubt moving in for the breeding season. The heron was also flying over. Fluctuations in numbers of other species such as Gulls, Wood Pigeon, Corvids and even Blackbird can be explained in terms migration in response to feeding or weather conditions. Overall, the site contains a diverse assemblage of birds in relatively stable numbers during the winter period.

<b>LOUGH NEAGH WINTER WILDFOWL/WADERS January Counts 2008 and 2009</b>							
<b>COUNT POINT 1. Sandy Bay to Ingrams Road (sector 02531) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
GG	Gt-crested Grebe	2	1	PO	Pochard	29	5
CA	Cormorant	0	2	SP	Scaup	0	95
H	Heron	0	2	GN	Goldeneye	17	15
MS	Mute swan	0	2	GP	Golden Plover	290	332
TU	Tufted duck	0	28	L	Lapwing +	725	425
<b>COUNT POINT 2. Bellbrook (sector 02530) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
MS	Mute Swan	4	0	CO	Coot	36	0
WN	Wigeon	0	2	L	Lapwing +	60	1
MA	Mallard	2	7	RK	Redshank	0	1
PO	Pochard	22	0	BH	Black-headed gull	100	0
GN	Goldeneye	19	41				
<b>COUNT POINT 3. Lennymore Bay (sector 02529) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
H	Heron	0	2	TU	Tufted duck	0	13
MS	Mute Swan	0	2	CO	Coot	0	2
WS	Whooper Swan	0	36	L	Lapwing +	82	75
SU	Shelduck	5	0	RK	Redshank +	0	5
WN	Wigeon	0	23	BH	Black-headed gull	58	0
MA	Mallard	4	78	CM	Common gull	1	4
PO	Pochard	0	2	HG	Herring Gull	5	0
GN	Goldeneye	2	3	GB	Great-black backed gull	3	1
SP	Scaup	0	85				

**Table 1.** A comparison of wildfowl/wader counts for the periods January 2008 and January 2009.

**Note:** January 2008 counts were thought to be low due to disturbance factors.

**Red Listed** – high conservation concern/globally threatened.

+ NI Priority list – Northern Ireland priority concern.

**NISCC list** – Northern Ireland species of conservation concern.

<b>LOUGH NEAGH WINTER WILDFOWL/WADERS February Counts 2008 and 2009</b>							
<b>COUNT POINT 1. Sandy Bay to Ingrams Road (sector 02531) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
GG	Gt-crested Grebe	0	1	SP	Scaup	0	10
LG	Little grebe	1	0	GN	Goldeneye	25	23
CA	Cormorant	0	2	MH	Moorhen	0	3
H	Heron	2	2	CO	Coot	3	5
MS	Mute swan	4	1	GP	Golden Plover	0	41
SU	Shelduck	3	5	L	Lapwing +	45	57
T	Teal	2	0	SN	Snipe	0	1
MA	Mallard	3	8	RK	Redshank +	1	0
TU	Tufted duck	8	28	BH	Black-headed gull	38	25
PO	Pochard	0	3				
<b>COUNT POINT 2. Bellbrook (sector 02530) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
GG	Gt Crested Grebe	0	7	SP	Scaup	0	26
H	Heron	1	0	PO	Pochard	22	126
SU	Shelduck	5	0	GN	Goldeneye	19	19
WN	Wigeon	10	93	CO	Coot	36	11
GA	Gadwall	1	2	L	Lapwing +	60	0
T	Teal	22	0	RK	Redshank +	0	1
MA	Mallard	59	20	BH	Black-headed gull	100	0
TU	Tufted duck	13	12	GB	Gt. Black-backed Gull	0	1
<b>COUNT POINT 3. Lennymore Bay (sector 02529) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
GG	Gt-crested grebe	5	6	GN	Goldeneye	38	82
CA	Cormorant	1		SP	Scaup	70	15
MS	Mute Swan	0	2	TU	Tufted duck	15	35
WS	Whooper Swan	0	61	CO	Coot	0	11
GJ	Greylag goose	0	1	GP	Golden plover	270	220
SU	Shelduck	8	19	L	Lapwing +	10	404
WN	Wigeon	0	18	RK	Redshank +	2	1
GA	Gadwall	0	10	BH	Black-headed gull	26	139
T	Teal	2	6	CM	Common gull	48	208
MA	Mallard	46	75	GB	Great-black backed gull	1	0
PO	Pochard	100	35				

**Table 2.** A comparison of wildfowl/wader counts for the periods February 2008 and February 2009.

**Red Listed** – high conservation concern/globally threatened.

+ NI Priority list – Northern Ireland priority concern.

**NISCC list** – Northern Ireland species of conservation concern.

<b>LOUGH NEAGH WINTER WILDFOWL/WADERS March Counts 2008 and 2009</b>							
<b>COUNT POINT 1. Sandy Bay to Ingrams Road (sector 02531) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
GG	Gt-crested Grebe	2	2	SP	Scaup	120	115
CA	Cormorant	0	1	GN	Goldeneye	21	25
H	Heron	0	1	RM	Red-breasted Merganser	0	2
MS	Mute swan	0	2	MH	Moorhen	2	2
SU	Shelduck	2	4	CO	Coot	5	8
GA	Gadwall	0	3	GP	Golden Plover	0	510
MA	Mallard	2	2	BH	Black-headed gull	7	0
TU	Tufted duck	8	3	LB	Lesser Black-backed Gull	2	0
PO	Pochard	18	3				
<b>COUNT POINT 2. Bellbrook (sector 02530) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
LG	Little Grebe	2	0	TU	Tufted duck	31	0
GG	Gt Crested Grebe	7	7	SP	Scaup	166	48
CA	Cormorant	0	1	GN	Goldeneye	53	15
MS	Mute Swan	1	4	CO	Coot	8	8
SU	Shelduck	4	2	CU	Curlew +	2	10
WN	Wigeon	98	2	BH	Black-headed gull	13	20
GA	Gadwall	6	0	CM	Common Gull	2	0
T	Teal	0	2	LB	Lesser Black-backed Gull	0	2
MA	Mallard	8	13	GB	Gt. Black-backed Gull	4	0
<b>COUNT POINT 3. Lennymore Bay (sector 02529) and adjacent grassland</b>							
Code	Species	No.		Code	Species	No.	
		2008	2009			2008	2009
GG	Gt. Crested grebe	12	9	SP	Scaup	35	55
CA	Cormorant	0	1	GN	Goldeneye	50	9
MS	Mute Swan	3	8	CO	Coot	2	9
WS	Whooper Swan	0	125	OY	Oystercatcher	1	0
SU	Shelduck	2	54	SN	Snipe	0	1
WN	Wigeon	0	74	CU	Curlew +	1	6
GA	Gadwall	4	3	RK	Redshank +	1	0
T	Teal	3	0	BH	Black-headed gull	17	36
MA	Mallard	8	24	CM	Common gull	8	26
PO	Pochard	1	2	LB	Lesser Black-backed Gull	0	2
TU	Tufted duck	5	12				

**Table 3.** A comparison of wildfowl/wader counts for the periods March 2008 and March 2009.

**Red Listed** – high conservation concern/globally threatened.

+ NI Priority list – Northern Ireland priority concern.

**NISCC list** – Northern Ireland species of conservation concern.

<b>LOUGH NEAGH WINTER WILDFOWL/WADER COUNTS 2008 and 2009 FOR ALL SECTORS</b>									
Species	Jan 08	Feb 08	Mar 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09
<b>Little Grebe</b>		1	2	1		1			
<b>Gt. Crested Grebe</b>	2	5	21	8		5	1	14	18
<b>Cormorant</b>		1		9	1	1	2		3
<b>Heron</b>		3		5	6	2	4	2	1
<b>Mute Swan</b>	4	4	4	6	6	9	4	3	14
<b>Whooper Swan</b>						1	36	61	125
<b>Greylag Goose</b>								1	
<b>Shelduck</b>	5	16	8					24	60
<b>Wigeon</b>		10	98			47	25	111	76
<b>Gadwall</b>		1	10					12	6
<b>Teal</b>		26	3		52	5		6	2
<b>Mallard</b>	6	108	15	142	107	60	85	103	39
<b>Pochard</b>	29	122	19		211		7	164	5
<b>Tufted Duck</b>		36	44	12	101	292	41	47	15
<b>Scaup</b>		70	241	4	86	42	180	51	219
<b>Goldeneye</b>	19	82	113		131	80	59	114	49
<b>R B Merganser</b>									2
<b>Moorhen</b>			2	1	1			3	2
<b>Coot</b>		39	15	35	7	57	2	16	25
<b>Oystercatcher</b>			1						
<b>Golden Plover</b>	290	270		750			332	261	510
<b>Lapwing</b>	807	115		170	23	349	501	461	
<b>Snipe</b>						5		1	1
<b>Curlew</b>			3						16
<b>Redshank</b>		3	1	10	27	4	6	2	
<b>B H Gull</b>	58	164	37	21	112			164	56
<b>Common Gull</b>	1	48	10	14	111	62	4	208	26
<b>L B Backed Gull</b>			2	6		3			4
<b>Herring Gull</b>	5				2				
<b>Gt. B Backed Gull</b>	3	1	4			1	1	1	
<b>Total No.spp.</b>	30								
<b>Totals</b>	1229	1125	653	1194	984	1026	1290	1830	1274

**Table 4.** Summary counts for the original survey (Jan 2008 – Mar 2008) and additional survey (Oct 2008 – March 2009) – all sectors.

<b>WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE January counts 2008 and 2009</b>			
<b>Code</b>	<b>Species</b>	<b>2008 No.</b>	<b>2009</b>
BZ	Buzzard	0	3
PH	Pheasant	0	1
L	Lapwing +	0	1
SN	Snipe	2	0
BH	Black-headed Gull	0	52
WP	Wood pigeon	2	19
PW	Pied wagtail	4	1
WR	Wren	3	4
D	Duncock	3	5
R	Robin	10	1
B	Blackbird	14	21
ST	Song thrush +	1	1
M	Mistle thrush +	1	0
GC	Goldcrest	1	0
LT	Long-tailed tit	9	0
CT	Coal Tit	0	2
BT	Blue tit	4	0
GT	Great tit	1	5
J	Jay	0	1
MG	Magpie	3	7
JD	Jackdaw	45	7
RO	Rook	125	11
HC	Hooded crow	3	1
SG	Starling	21	1
HS	House sparrow +	1	11
CH	Chaffinch	16	10
GR	Greenfinch	0	3
SK	Siskin	1	0
BF	Bullfinch +	0	5
<b>Total (No. of species)</b>		21	24

**Table 5.** Winter bird counts at the proposed development site – January 2008 and 2009.

Red listed

+ NI Priority list – Northern Ireland priority concern.

NISCC list – Northern Ireland species of special concern.

<b>WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE February counts 2008 and 2009</b>			
<b>Code</b>	<b>Species</b>	<b>2008 No.</b>	<b>2009</b>
BZ	Buzzard	0	1
PH	Pheasant	1	1
SN	Snipe	2	1
BH	Black-headed Gull	12	25
WP	Wood pigeon	31	11
CD	Collared Dove	3	0
PW	Pied wagtail	3	3
WR	Wren	12	5
D	Duncock	8	6
R	Robin	8	11
B	Blackbird	18	10
FF	Fieldfare	0	1
ST	Song thrush +	8	8
RE	Redwing	0	1
M	Mistle thrush +	2	0
LT	Long-tailed tit	7	0
CT	Coal Tit	2	4
BT	Blue tit	4	8
GT	Great tit	10	3
J	Jay	0	1
MG	Magpie	8	5
JD	Jackdaw	11	8
RO	Rook	24	73
HC	Hooded crow	4	0
SG	Starling	33	5
HS	House sparrow +	15	4
TS	Tree Sparrow	1	0
CH	Chaffinch	24	14
GR	Greenfinch	6	4
GO	Goldfinch	0	2
LR	Lesser Redpoll	0	4
<b>Total (No. of species)</b>		25	26

**Table 6.** Winter bird counts at the proposed development site – February 2008 and 2009.

+ NI Priority list – Northern Ireland priority concern.  
 NISCC list – Northern Ireland species of special concern.

<b>WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE March counts 2008 and 2009</b>			
<b>Code</b>	<b>Species</b>	<b>2008 No.</b>	<b>2009</b>
MA	Mallard	2	0
BZ	Buzzard	0	1
PH	Pheasant	1	0
BH	Black-headed Gull	2	7
WP	Wood pigeon	10	13
CD	Collared Dove	1	0
GL	Grey Wagtail	2	0
PW	Pied wagtail	1	0
WR	Wren	11	8
D	Dunnock	13	4
R	Robin	14	9
B	Blackbird	15	12
ST	Song thrush +	8	1
M	Mistle thrush +	1	1
CC	Chiff Chaff	0	1
GC	Goldcrest	2	0
LT	Long-tailed tit	4	1
CT	Coal Tit	1	2
BT	Blue tit	4	5
GT	Great tit	8	8
J	Jay	1	1
MG	Magpie	4	4
JD	Jackdaw	30	9
RO	Rook	41	1
HC	Hooded crow	1	7
SG	Starling	11	8
HS	House sparrow +	8	11
TS	Tree Sparrow	4	3
CH	Chaffinch	22	17
GR	Greenfinch	3	4
LR	Lesser Redpoll	1	1
BF	Bullfinch +	1	0
RB	Reed Bunting +	0	2
<b>Total (No. of species)</b>		30	26

**Table 7.** Winter bird counts at the proposed development site – March 2008 and 2009.

+ NI Priority list – Northern Ireland priority concern.

NISCC list – Northern Ireland species of special concern.

PROPOSED DEVELOPMENT SITE BIRD COUNTS 2008 and 2009									
Species	Jan 08	Feb 08	Mar 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09
Heron						1			
Mallard			2						
Buzzard				1			3	1	1
Kestrel					1				
Pheasant		1	1				1	1	
Lapwing +							1		
Snipe +	2	2						1	
Black-headed Gull		12	2	6	6	7	52	25	7
Wood pigeon	2	31	10	17	13	12	19	11	13
Collared Dove		3	1						
Grey Wagtail			2	2					
Pied wagtail	4	3	1	2	2	2	1	3	
Wren	3	12	11	6	6	1	4	5	8
Dunnock	3	8	13	11	13	5	5	6	4
Robin	10	8	14	8	6	2	1	11	9
Blackbird	14	18	15	10	12	18	21	10	12
Fieldfare								1	
Song thrush +	1	8	8		5	3	1	8	1
Redwing					1			1	
Mistle thrush +	1	2	1	2		1			1
Chiff Chaff									1
Goldcrest	1		2	1	2	2			
Long-tailed tit	9	7	4						1
Coal Tit		2	1	2	1		2	4	2
Blue tit	4	4	4	7	5	2		8	5
Great tit	1	10	8		1	2	5	3	8
Treecreeper				1					
Jay			1	1	3		1	1	1
Magpie	3	8	4	13	5	4	7	5	4
Jackdaw	45	11	30	10	3	6	7	8	9
Rook	125	24	41	3	2	51	11	73	1
Hooded crow	3	4	1	3	2		1		7
Starling	21	33	11		12	2	1	5	8
House sparrow +	1	15	8		8	2	11	4	11
Tree Sparrow +		1	4						3
Chaffinch	16	24	22	6	5	7	10	14	17
Greenfinch		6	3				3	4	4
Lesser Redpoll			1		6			4	1
Goldfinch								2	
Siskin	1								
Bullfinch +			1	1	6	3	5		
Reed Bunting +									2
<b>Tot. No. spp.</b>	42								

**Table 8.** Summary counts for the original survey (Jan 2008 – Mar 2008) and additional survey (Oct 2008 – March 2009).

## 6.0 REFERENCES

**Herbert I. J (2008)** Rose Energy Project: Winter Bird Survey, Lough Neagh, County Antrim. Unpublished Report. Clonaog Environmental.

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**APPENDIX 1**

**Lough Neagh, Winter Bird Count Data 2008 - 2009**

LOUGH NEAGH WINTER BIRD COUNT (VISIT 1)				
<b>Observer/s:</b>	I. Herbert/D. Brown			
<b>Date:</b>	23 -1-2008	<b>Weather:</b>	Drizzle/showers	
<b>Time:</b>	0945-1005 and 1415-1545	<b>Cloud:</b>	7/8	
<b>Visibility:</b>	Fair	<b>Wind:</b>	SW 4-5 - 6 in showers	
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland				
<b>Code</b>	<b>Species</b>	<b>No.</b>	<b>Species</b>	<b>No.</b>
GG	Great-crested grebe	2		
PO	Pochard	29		
GN	Goldeneye	17		
GP	Golden plover	290*		
L	Lapwing	725*		
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland				
<b>Code</b>	<b>Species</b>	<b>No.</b>	<b>Species</b>	<b>No.</b>
MA	Mallard	2		
MS	Mute swan	4		
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland				
<b>Code</b>	<b>Species</b>	<b>No.</b>	<b>Species</b>	<b>No.</b>
SU	Shelduck	5*		
MA	Mallard	4		
GN	Goldeneye	2		
L	Lapwing +	82*		
BH	Black-headed gull	58*		
CM	Common gull	1		
HG	Herring gull	5		
GB	Great-black backed gull	3		
			<b>Total species recorded</b>	12
<b>Comments:</b> Reeds swamp habitat at Sandy Bay – suitable for breeding Great Crested grebes. Tree sparrow recorded at Sandy Point and Bellbrook (R. Hamill and RSPB pers. comm.).				
* Lapwing, golden plover, shelduck, black-headed gulls - flying over water and grassland mainly between sectors 02531 and 02530. Flocks centred on low-lying wet/improved grassland between Bellbrook and Lennymore (close to mouth of Crumlin River).				
Red Listed – high conservation concern/globally threatened.				
+ NI Priority list – Northern Ireland priority species.				
NISCC list – Northern Ireland species of conservation concern.				

**Recording Sheet 1:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 1.

LOUGH NEAGH WINTER BIRD COUNT (VISIT 2)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	13/2 /2008	<b>Weather:</b>	Clearing mist		
<b>Time:</b>	1100 - 1330	<b>Cloud:</b>	1/8		
<b>Visibility:</b>	Fair	<b>Wind:</b>	S 1		
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland					
Code	Species	No.	Species		No.
LG	Little grebe	1	RK	Redshank +	1
H	Heron	2	BH	Black-headed gull	38
MS	Mute swan	4			
SU	Shelduck	3			
T	Teal	2			
MA	Mallard	3			
TU	Tufted duck	8			
GN	Goldeneye	25			
CO	Coot	3			
L	Lapwing +	45			
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland					
Code	Species	No.	Species		No.
H	Heron	1	L	Lapwing +	60
SU	Shelduck	5	BH	Black-headed gull	100
WN	Wigeon	10			
GA	Gadwall	1			
T	Teal	22			
MA	Mallard	59			
TU	Tufted duck	13			
PO	Pochard	22			
GN	Goldeneye	19			
CO	Coot	36			
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland					
Code	Species	No.	Species		No.
GG	Great-crested grebe	5	RK	Redshank +	2
CA	Cormorant	1	BH	Black-headed gull	26
SU	Shelduck	8	CM	Common gull	48
T	Teal	2	GB	Great-black backed gull	1
MA	Mallard	46			
PO	Pochard	100 **			
SP	Scaup	70 **			
TU	Tufted duck	15			
GN	Goldeneye	38			
GP	Golden plover	270			
L	Lapwing +	10			
				<b>Total species recorded</b>	21
<b>Comments:</b> Reeds swamp habitat at Sandy Bay – suitable for breeding Great Crested grebes. Tree sparrow recorded at Lennymore Bay.					
* Golden plover on grassland at Lennymore (close to mouth of Crumlin River).					
** Estimate – poor visibility.					
Red Listed – high conservation concern/globally threatened.					
+ NI Priority list – Northern Ireland priority species.					
NISCC list – Northern Ireland species of conservation concern.					

**Recording sheet 2:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 2.

LOUGH NEAGH WINTER BIRD COUNT (VISIT 3)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	19/3 /2008	<b>Weather:</b>	Cloud and sunny intervals		
<b>Time:</b>	0815 - 1040	<b>Cloud:</b>	5/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	NW 2-3		
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland					
Code	Species	No.	Species		No.
GG	Great crested grebe	2	BH	Black-headed gull	7
SU	Shelduck	2	LB	Lesser black backed gull	2
MA	Mallard	2			
PO	Pochard	18			
TU	Tufted duck	8			
SP	Scaup	120			
GN	Goldeneye	21			
MH	Moorhen	2			
CO	Coot	5			
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland					
Code	Species	No.	Species		No.
LG	Little grebe	2	CU	Curlew +	2
GG	Great crested grebe	7	BH	Black-headed gull	13
MS	Mute swan	1	CM	Common gull	2
SU	Shelduck	4	GB	Great black backed gull	4
WN	Wigeon	98			
GA	Gadwall	6			
MA	Mallard	8			
TU	Tufted duck	31			
SP	Scaup	166			
GN	Goldeneye	53			
CO	Coot	8			
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland					
Code	Species	No.	Species		No.
GG	Great-crested grebe	12	BH	Black-headed gull	17
MS	Mute swan	3	CM	Common gull	8
SU	Shelduck	2			
GA	Gadwall	4			
T	Teal	3			
MA	Mallard	5			
PO	Pochard	1			
TU	Tufted duck	5			
SP	Scaup	35			
GN	Goldeneye	50			
CO	Coot	2			
OC	Oystercatcher	1			
CU	Curlew +	1			
RK	Redshank +	1			
				<b>Total species recorded</b>	22
<b>Comments:</b> Reeds swamp habitat at Sandy Bay – suitable for breeding Great Crested grebes.					
Red Listed – high conservation concern/globally threatened.					
+ NI Priority list – Northern Ireland priority species.					
NISCC list – Northern Ireland species of conservation concern.					

**Recording Sheet 3:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 3.

LOUGH NEAGH WINTER BIRD COUNT (VISIT 4)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	27/10 /2008	<b>Weather:</b>	Occasional showers		
<b>Time:</b>	0848 - 1114	<b>Cloud:</b>	6/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	NW 3-5 (5 at first)		
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland					
Code	Species	No.	Species		No.
LG	Little grebe	1	BH	Black-headed gull	15
GG	Great-crested grebe	7			
H	Heron	2			
MS	Mute swan	2			
CA	Cormorant	2			
MA	Mallard	14			
TU	Tufted duck	12			
SP	Scaup	4			
MH	Moorhen	1			
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland					
Code	Species	No.	Species		No.
CA	Cormorant	6			
MS	Mute swan	3			
H	Heron	1			
MA	Mallard	37			
CO	Coot	29			
BH	Black-headed gull	5			
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland					
Code	Species	No.	Species		No.
GG	Great-crested grebe	1	RK	Redshank +	10
CA	Cormorant	1	BH	Black-headed gull	1
MS	Mute swan	1	CM	Common gull	14
H	Heron	2	LB	Lesser black-backed gull	6
MA	Mallard	91			
CO	Coot	6			
GP	Golden plover	750			
L	Lapwing +	170			
				<b>Total species recorded</b>	16
<b>Comments:</b>					
* Golden plover and lapwing on grassland at Lennymore.					
Red Listed – high conservation concern/globally threatened.					
+ NI Priority list – Northern Ireland priority species.					
NISCC list – Northern Ireland species of conservation concern.					

**Recording Sheet 4:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 4.

LOUGH NEAGH WINTER BIRD COUNT (VISIT 5)					
Observer/s:	I. Herbert				
Date:	25/11 /2008	Weather:	Fine		
Time:	0845 - 1045	Cloud:	6/8		
Visibility:	Good	Wind:	NW 2		
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland					
Code	Species	No.	Species		No.
H	Heron	3	L	Lapwing +	7
MS	Mute swan	3	RK	Redshank +	2
MA	Mallard	6	BH	Black-headed gull	12
PO	Pochard	3			
TU	Tufted duck	33			
SP	Scaup	1			
GN	Goldeneye	3			
MH	Moorhen	1			
CO	Coot	7			
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland					
Code	Species	No.	Species		No.
CA	Cormorant	1	RK	Redshank +	1
H	Heron	2			
T	Teal	16			
MA	Mallard	24			
SP	Scaup	85			
GN	Goldeneye	125			
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland					
Code	Species	No.	Species		No.
H	Heron	1	RK	Redshank +	24
MS	Mute swan	3	BH	Black-headed gull	100
T	Teal	36	CM	Common gull	111
MA	Mallard	77	HG	Herring Gull	2
PO	Pochard	208			
TU	Tufted Duck	68			
GN	Goldeneye	3			
L	Lapwing +	16			
				<b>Total species recorded</b>	17
<b>Comments:</b> Disturbance from horses being ridden at water's edge.					
Red Listed – high conservation concern/globally threatened.					
+ NI Priority list – Northern Ireland priority species.					
NISCC list – Northern Ireland species of conservation concern.					

**Recording Sheet 5:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 5.

LOUGH NEAGH WINTER BIRD COUNT (VISIT 6)					
Observer/s:	I. Herbert				
Date:	23/12 /2008	Weather:	Fine		
Time:	0850 - 1117	Cloud:	8/8		
Visibility:	Good	Wind:	SW 2		
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland					
Code	Species	No.		Species	No.
LG	Little Grebe	1	L	Lapwing +	1
CA	Cormorant	1	SN	Snipe	5
H	Heron	2			
MS	Mute swan	2			
TU	Tufted duck	184			
SP	Scaup	32			
GN	Goldeneye	15			
CO	Coot	57			
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland					
Code	Species	No.		Species	No.
MS	Mute Swan	1	L	Lapwing +	168
MA	Mallard	6	LB	Lesser Black-Backed Gull	2
SP	Scaup	2			
GN	Goldeneye	51			
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland					
Code	Species	No.		Species	No.
GG	Great Crested Grebe	5	L	Lapwing +	180
MS	Mute Swan	6	RK	Redshank +	4
WS	Whooper Swan	1	CM	Common gull	62
WN	Wigeon	47	HG	Lesser Black-Backed Gull	1
T	Teal	5	GB	Great Black-Backed Gull	1
MA	Mallard	54			
SP	Scaup	8			
TU	Tufted Duck	108			
GN	Goldeneye	14			
				<b>Total species recorded</b>	19
<b>Comments:</b> More than 800 duck counted of the north end of Rams Island – to far away to identify as they were silhouetted.					
Red Listed – high conservation concern/globally threatened.					
+ NI Priority list – Northern Ireland priority species.					
NISCC list – Northern Ireland species of conservation concern.					

**Recording Sheet 6:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 6.

LOUGH NEAGH WINTER BIRD COUNT (VISIT 7)					
Observer/s:	I. Herbert				
Date:	24/1/2009	Weather:	Fine and sunny		
Time:	0900 -1100	Cloud:	1/8		
Visibility:	Good	Wind:	W 3 - 4 stronger at first		
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland					
Code	Species	No.		Species	No.
GG	Great Crested Grebe	1	GP	Golden Plover	332
CA	Cormorant	2	L	Lapwing +	425
H	Heron	2			
MS	Mute swan	2			
TU	Tufted duck	28			
PO	Pochard	5			
SP	Scaup	95			
GN	Goldeneye	15			
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland					
Code	Species	No.		Species	No.
WN	Wigeon	2			
MA	Mallard	7			
GN	Goldeneye	41			
L	Lapwing +	1			
RK	Redshank +	1			
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland					
Code	Species	No.		Species	No.
H	Heron	2	L	Lapwing +	75
MS	Mute Swan	2	RK	Redshank +	5
WS	Whooper Swan	36	CM	Common gull	4
WN	Wigeon	23	GB	Great Black-Backed Gull	1
MA	Mallard	78			
PO	Pochard	2			
SP	Scaup	85			
TU	Tufted Duck	13			
GN	Goldeneye	3			
CO	Coot	2			
				<b>Total species recorded</b>	18
<b>Comments:</b> Some occasional shooting heard from the region of Rams Island.					
Red Listed – high conservation concern/globally threatened.					
+ NI Priority list – Northern Ireland priority species.					
NISCC list – Northern Ireland species of conservation concern.					

**Recording Sheet 7:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 7.

LOUGH NEAGH WINTER BIRD COUNT (VISIT 8)					
Observer/s:	I. Herbert				
Date:	23/2/2009	Weather:	Cloudy		
Time:	0848 -1115	Cloud:	7/8		
Visibility:	Good	Wind:	NW 2		
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland					
Code	Species	No.		Species	No.
GG	Great Crested Grebe	1	GN	Goldeneye	23
H	Heron	2	MH	Moorhen	3
MS	Mute swan	1	CO	Coot	5
SU	Shelduck	5	GP	Golden Plover	41
MA	Mallard	8	L	Lapwing +	57
PO	Pochard	3	SN	Snipe	1
SP	Scaup	10	BH	Black-headed Gull	25
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland					
Code	Species	No.		Species	No.
GG	Great-crested Grebe	7	TU	Tufted Duck	12
WN	Wigeon	93	SP	Scaup	26
GA	Gadwall	2	GN	Goldeneye	19
MA	Mallard	20	RK	Redshank +	1
PO	Pochard	126	GB	Great Black-Backed Gull	1
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland					
Code	Species	No.		Species	No.
GG	Great-crested Grebe	6	SP	Scaup	15
MS	Mute Swan	2	TU	Tufted Duck	35
WS	Whooper Swan	61	GN	Goldeneye	82
GJ	Greylag Goose	1	CO	Coot	11
SU	Shelduck	19	GP	Golden Plover	220
WN	Wigeon	18	L	Lapwing +	404
GA	Gadwall	10	RK	Redshank +	1
T	Teal	6	BH	Black-headed Gull	139
MA	Mallard	75	CM	Common gull	208
PO	Pochard	35			
				<b>Total species recorded</b>	22
<p><b>Comments:</b> Unidentified ducks at distance in 02530 = 62. Unidentified ducks at Ram's Island in 02529 = 186 – probably PO or SP.</p> <p><b>Red Listed</b> – high conservation concern/globally threatened.  + NI Priority list – Northern Ireland priority species.  <b>NISCC list</b> – Northern Ireland species of conservation concern.</p>					

**Recording Sheet 8:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 8.

LOUGH NEAGH WINTER BIRD COUNT (VISIT 9)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	21/3/2009	<b>Weather:</b>	Cloudy		
<b>Time:</b>	1105 -1244	<b>Cloud:</b>	6/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	W Force 1 – N Force 2 later		
<b>COUNT POINT 1. Sandy Bay to Ingrams Road</b> (sector 02531) and adjacent grassland					
Code	Species	No.	Species		No.
GG	Great Crested Grebe	2	SP	Scaup	115
CA	Cormorant	1	GN	Goldeneye	25
H	Heron	1	RM	Red-breasted Merganser	2
MS	Mute swan	2	MH	Moorhen	2
SU	Shelduck	4	CO	Coot	8
GA	Gadwall	3	GP	Golden Plover	510
MA	Mallard	2			
PO	Pochard	3			
TU	Tufted Duck	3			
<b>COUNT POINT 2. Bellbrook</b> (sector 02530) and adjacent grassland					
Code	Species	No.	Species		No.
GG	Great-crested Grebe	7	CO	Coot	8
CA	Cormorant	1	SP	Scaup	48
MS	Mute Swan	4	GN	Goldeneye	15
SU	Shelduck	2	CU	Curlew +	10
WN	Wigeon	2	BH	Black-headed Gull	20
T	Teal	2	LB	Lesser Black-Backed Gull	2
MA	Mallard	13			
<b>COUNT POINT 3. Lennymore Bay</b> (sector 02529) and adjacent grassland					
Code	Species	No.	Species		No.
GG	Great-crested Grebe	9	SP	Scaup	55
CA	Cormorant	1	TU	Tufted Duck	12
MS	Mute Swan	8	GN	Goldeneye	9
WS	Whooper Swan	125	CO	Coot	9
SU	Shelduck	54	SN	Snipe	1
WN	Wigeon	74	CU	Curlew +	6
GA	Gadwall	3	BH	Black-headed Gull	36
MA	Mallard	24	CM	Common gull	26
PO	Pochard	2	LB	Lesser Black-Backed Gull	2
				<b>Total species recorded</b>	23
<b>Comments:</b> Whooper swan flock grazing at Bellbrook.					
Red Listed – high conservation concern/globally threatened.					
+ NI Priority list – Northern Ireland priority species.					
NISCC list – Northern Ireland species of conservation concern.					

**Recording Sheet 9:** Winter wildfowl and waders recorded on and adjacent to Lough Neagh – Visit 9.

**APPENDIX 2**

**Rose Energy Development Site, Winter Bird Count Data 2008 - 2009**

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 1)					
<b>Observer/s:</b>	I. Herbert/D. Brown				
<b>Date:</b>	23-1-2008	<b>Weather:</b>	Dry – cloudy		
<b>Time:</b>	1045 -1330	<b>Cloud:</b>	7/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	SW 4-5		
Development Site					
Code	Species	No.		Species	No.
B	Blackbird	14			
BT	Blue tit	4			
CH	Chaffinch	16			
D	Dunnock	3			
GC	Goldcrest	1			
GT	Great tit	1			
HC	Hooded crow	3			
HS	House sparrow +	1			
JD	Jackdaw	45			
LT	Long-tailed tit	9			
MG	Magpie	3			
M	Mistle thrush +	1			
PW	Pied wagtail	4			
R	Robin	10			
RO	Rook	125			
SK	Siskin	1			
SN	Snipe	2			
ST	Song thrush +	1			
SG	Starling	21			
WP	Wood pigeon	2			
WR	Wren	3			
				<b>Total (No. of species)</b>	21

**Recording Sheet 1:** Winter bird count at the proposed development site.

+ NI Priority list – Northern Ireland priority concern.

[NISCC list](#) – Northern Ireland species of conservation concern.

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 2)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	13/2/2008	<b>Weather:</b>	Dry – mist clearing		
<b>Time:</b>	0810-1030	<b>Cloud:</b>	1/8		
<b>Visibility:</b>	Fair	<b>Wind:</b>	SW 1		
Development Site					
Code	Species	No.	Code	Species	No.
B	Blackbird	18	PH	Pheasant	1
BT	Blue tit	4	GR	Greenfinch	6
CH	Chaffinch	24	CT	Coal Tit	2
D	Dunnock	8			
GT	Great tit	10			
HC	Hooded crow	4			
TS	Tree sparrow +	1			
HS	House sparrow +	15			
JD	Jackdaw	11			
LT	Long-tailed tit	7			
MG	Magpie	8			
M	Mistle thrush +	2			
PW	Pied wagtail	3			
R	Robin	8			
RO	Rook	24			
SN	Snipe	2			
ST	Song thrush +	8			
SG	Starling +	33			
WP	Wood pigeon	31			
WR	Wren	12			
BH	Black-headed gull	12			
CD	Collared dove	3			
				<b>Total (No. of species)</b>	25

**Recording Sheet 2:** Winter bird count at the proposed development site.

+ NI Priority list – Northern Ireland priority concern.

NISCC list – Northern Ireland species of conservation concern.

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 3)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	19/3/2008	<b>Weather:</b>	Sunny with occasional showers		
<b>Time:</b>	1115 -1315	<b>Cloud:</b>	5/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	NW 2-3		
Development Site					
Code	Species	No.	Code	Species	No.
B	Blackbird	15	PH	Pheasant	1
BT	Blue tit	4	GR	Greenfinch	3
CH	Chaffinch	22	CT	Coal Tit	1
D	Dunnock	13	J	Jay	1
GT	Great tit	8	LR	Lesser redpoll	1
HC	Hooded crow	1	MA	Mallard	2
TS	Tree sparrow +	4	GL	Grey wagtail	2
HS	House sparrow +	8	BF	Bullfinch +	1
JD	Jackdaw	30			
LT	Long-tailed tit	4			
MG	Magpie	4			
M	Mistle thrush	1			
PW	Pied wagtail	1			
R	Robin	14			
RO	Rook	41			
GC	Goldcrest	2			
ST	Song thrush +	8			
SG	Starling +	11			
WP	Wood pigeon	10			
WR	Wren	11			
BH	Black-headed gull	2			
CD	Collared dove	1			
				<b>Total (No. of species)</b>	30

**Recording Sheet 3:** Winter bird count at the proposed development site.

+ NI Priority list – Northern Ireland priority concern.

[NISCC list](#) – Northern Ireland species of conservation concern.

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 4)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	27/10/2008	<b>Weather:</b>	Sunny with occasional showers		
<b>Time:</b>	1145 -1345	<b>Cloud:</b>	6/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	NW 2-3		
Development Site					
Code	Species	No.	Code	Species	No.
BZ	Buzzard	1	TC	Treecreeper	1
BH	Black-headed gull	6	J	Jay	1
WP	Wood pigeon	17	MG	Magpie	13
GL	Grey wagtail	2	JD	Jackdaw	10
PW	Pied wagtail	2	RO	Rook	3
WR	Wren	6	HC	Hooded crow	3
D	Dunnock	11	CH	Chaffinch	6
R	Robin	8	BF	Bullfinch +	1
B	Blackbird	10			
M	Mistle thrush +	2			
GC	Goldcrest	1			
CT	Coal Tit	2			
BT	Blue tit	7			
				<b>Total (No. of species)</b>	21

**Recording Sheet 4:** Winter bird count at the proposed development site.

+ NI Priority list – Northern Ireland priority species.

[NISCC list](#) – Northern Ireland species of conservation concern.

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 5)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	25/11/2008	<b>Weather:</b>	Fine		
<b>Time:</b>	1109 - 1256	<b>Cloud:</b>	6/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	NW 2-3		
Development Site					
Code	Species	No.	Code	Species	No.
K	Kestrel	1	ST	Starling +	12
BH	Black-headed gull	6	J	Jay	3
WP	Wood pigeon	13	MG	Magpie	5
PW	Pied wagtail	2	JD	Jackdaw	3
WR	Wren	6	RO	Rook	2
D	Dunnock	13	HC	Hooded crow	2
R	Robin	6	CH	Chaffinch	5
B	Blackbird	12	BF	Bullfinch +	6
ST	Song Thrush +	5	HS	House Sparrow +	8
RE	Redwing	1			
GC	Goldcrest	2			
CT	Coal Tit	1			
BT	Blue tit	5			
GT	Great Tit	1			
LR	Lesser Redpoll	6		<b>Total (No. of species)</b>	24

**Recording Sheet 5:** Winter bird count at the proposed development site.

+ NI Priority list – Northern Ireland priority species.

[NISCC list](#) – Northern Ireland species of conservation concern.

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 6)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	23/12/2008	<b>Weather:</b>	Fine		
<b>Time:</b>	1134 -1305	<b>Cloud:</b>	2/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	SW 3		
Development Site					
Code	Species	No.	Code	Species	No.
H	Heron	1	ST	Starling +	2
BH	Black-headed gull	7	MG	Magpie	4
WP	Wood pigeon	12	JD	Jackdaw	6
PW	Pied wagtail	2	RO	Rook	51
WR	Wren	1	CH	Chaffinch	7
D	Dunnock	5	BF	Bullfinch +	3
R	Robin	2	HS	House Sparrow +	2
B	Blackbird	18			
ST	Song Thrush +	3			
M	Mistle Thrush +	1			
GC	Goldcrest	2			
BT	Blue tit	2			
GT	Great Tit	2			
				<b>Total (No. of species)</b>	20

**Recording Sheet 6:** Winter bird count at the proposed development site.

+ NI Priority list – Northern Ireland priority species.

[NISCC list](#) – Northern Ireland species of conservation concern.

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 7)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	24/1/2009	<b>Weather:</b>	Fine and sunny – frost persisting		
<b>Time:</b>	1130 -1320	<b>Cloud:</b>	3/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	W 3-4		
Development Site					
Code	Species	No.	Code	Species	No.
BH	Black-headed gull	52	JD	Jackdaw	7
WP	Wood pigeon	19	HC	Hooded Crow	1
PW	Pied wagtail	1	RO	Rook	11
WR	Wren	4	CH	Chaffinch	10
D	Dunnock	5	BF	Bullfinch +	5
R	Robin	1	GR	Greenfinch	3
B	Blackbird	21	HS	House Sparrow +	11
ST	Song Thrush +	1	BZ	Buzzard	3
BT	Blue tit	6	J	Jay	1
GT	Great Tit	5	L	Lapwing + (flying over)	1
CT	Coal Tit	2	PH	Pheasant	1
ST	Starling +	1			
MG	Magpie	7			
				<b>Total (No. of species)</b>	24

**Recording Sheet 7:** Winter bird count at the proposed development site.

Red listed species.

+ NI Priority list – Northern Ireland priority species.

NISCC list – Northern Ireland species of conservation concern.

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 8)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	23/2/2009	<b>Weather:</b>	Cloudy		
<b>Time:</b>	1132 -1338	<b>Cloud:</b>	7/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	W 1-2		
Development Site					
Code	Species	No.	Code	Species	No.
BH	Black-headed gull	25	RO	Rook	73
WP	Wood pigeon	11	GO	Goldfinch	2
PW	Pied wagtail	3	CH	Chaffinch	14
WR	Wren	5	GR	Greenfinch	4
D	Dunnock	6	HS	House Sparrow +	4
R	Robin	11	BZ	Buzzard	1
B	Blackbird	10	J	Jay	1
ST	Song Thrush +	8	PH	Pheasant	1
BT	Blue tit	8	SN	Snipe	1
GT	Great Tit	3	LR	Lesser Redpoll	4
CT	Coal Tit	4	FF	Fieldfare	1
ST	Starling +	5	RE	Redwing	1
MG	Magpie	5			
JD	Jackdaw	8			
				<b>Total (No. of species)</b>	26

**Recording Sheet 8:** Winter bird count at the proposed development site.

Red listed species.

+ NI Priority list – Northern Ireland priority species.

NISCC list – Northern Ireland species of conservation concern.

WINTER BIRD COUNT - ROSE ENERGY DEVELOPMENT SITE AND BUFFER ZONE (VISIT 9)					
<b>Observer/s:</b>	I. Herbert				
<b>Date:</b>	21/3/2009	<b>Weather:</b>	Cloudy		
<b>Time:</b>	0850 - 1045	<b>Cloud:</b>	4/8		
<b>Visibility:</b>	Good	<b>Wind:</b>	Nil		
Development Site					
Code	Species	No.	Code	Species	No.
BH	Black-headed gull	7	RO	Rook	1
WP	Wood pigeon	13	LT	Long-tailed tit	1
M	Mistle thrush +	1	CH	Chaffinch	17
WR	Wren	8	GR	Greenfinch	4
D	Duncock	4	HS	House Sparrow +	11
R	Robin	9	TS	Tree Sparrow +	3
B	Blackbird	12	RB	Reed Bunting	2
ST	Song Thrush +	1	CC	Chiff chaff	1
BT	Blue tit	5	BZ	Buzzard	1
GT	Great Tit	8	J	Jay	1
CT	Coal Tit	2	LR	Lesser Redpoll	1
ST	Starling +	8			
MG	Magpie	4			
JD	Jackdaw	9			
HC	Hooded Crow	7		<b>Total (No. of species)</b>	26

**Recording Sheet 9:** Winter bird count at the proposed development site.

Red listed species.

+ NI Priority list – Northern Ireland priority species.

NISCC list – Northern Ireland species of conservation concern.