

Species	Year	Abundance	Jan	Feb	Mar	Apr	May	Aug	Sep	Oct	Nov	Dec	Total
Mallard	2022	number of observations								3	4	4	11
		number of individuals								19	54	36	109
	2023	number of observations	4	4	9	4	7						28
		number of individuals	20	29	23	17	17						106
Snipe	2022	number of observations										1	1
		number of individuals										2	2
	2023	number of observations											0
		number of individuals											0
Teal	2022	number of observations										1	1
		number of individuals										12	12
	2023	number of observations		1	1								2
		number of individuals		2	4								6
Little Egret	2022	number of observations								2	1		3
		number of individuals								3	1		4
	2023	number of observations	1	1			1						3
		number of individuals	1	1			1						3

Table 7 - 3 - 5 Summary of breeding raptor records

Species	Year	Abundance	May	Jun	Jul	Total
Buzzard	2023	number of observations	50	42	56	148
		number of individuals	77	46	63	186
Kestrel	2023	number of observations		1	2	3
		number of individuals		1	2	3
Peregrine Falcon	2023	number of observations		1		1
		number of individuals		1		1
Sparrowhawk	2023	number of observations	1		2	3
		number of individuals	1		2	3

Table 7 - 3 - 6 Summary of non-target species records - Dark grey cells indicate non-surveyed months

Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Barn Swallow	2022												
	2023				✓	✓	✓	✓	✓	✓			
Blackbird	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓	✓		✓			
Blackcap	2022												
	2023				✓	✓							
Blue Tit	2022										✓	✓	
	2023		✓	✓	✓	✓	✓	✓		✓			
Bullfinch	2022												
	2023				✓	✓							
Chaffinch	2022											✓	✓
	2023		✓	✓	✓	✓	✓	✓	✓	✓			
Chiffchaff	2022												
	2023							✓					
Coal Tit	2022												
	2023					✓							
Collared Dove	2022												
	2023					✓							
Common Gull	2022												
	2023	✓	✓										
Common Sandpiper	2022												
	2023				✓								
Duncock	2022										✓	✓	
	2023		✓	✓	✓	✓	✓	✓		✓			
Feral Duck	2022												
	2023				✓								
Feral Goose	2022												
	2023		✓										

Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Feral Pigeon	2022										✓	✓	
	2023	✓				✓	✓	✓	✓				
Fieldfare	2022												✓
	2023	✓	✓	✓									
Goldcrest	2022												
	2023			✓	✓	✓	✓	✓		✓			
Goldfinch	2022										✓	✓	✓
	2023		✓		✓		✓	✓	✓				
Great Black-backed Gull	2022											✓	
	2023		✓	✓	✓	✓							
Great Tit	2022												
	2023	✓	✓	✓	✓	✓	✓	✓		✓			
Greenfinch	2022												
	2023				✓		✓	✓					
Grey Wagtail	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓							
Herring Gull	2022										✓	✓	✓
	2023	✓	✓	✓	✓								
Hooded Crow	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓	✓	✓	✓			
House Martin	2022												
	2023						✓	✓	✓	✓			
House Sparrow	2022												
	2023					✓	✓	✓					
Jackdaw	2022										✓		✓
	2023	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Jay	2022												
	2023							✓					

Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Linnet	2022												
	2023			✓	✓	✓	✓	✓	✓	✓			
Long-tailed Tit	2022											✓	
	2023				✓								
Magpie	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Mistle Thrush	2022										✓	✓	✓
	2023	✓	✓		✓		✓	✓	✓	✓			
Moorhen	2022										✓		✓
	2023												
Mute Swan	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓							
Pheasant	2022										✓		✓
	2023	✓	✓	✓	✓	✓	✓	✓		✓			
Pied Wagtail	2022										✓		✓
	2023	✓	✓	✓	✓	✓	✓	✓		✓			
Raven	2022										✓		✓
	2023	✓		✓	✓	✓	✓	✓		✓			
Robin	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Rook	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Skylark	2022										✓		✓
	2023	✓											
Song Thrush	2022										✓		✓
	2023	✓	✓	✓	✓	✓	✓	✓					
Starling	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓	✓	✓	✓			

Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Stonechat	2022												✓
	2023	✓		✓	✓	✓	✓	✓	✓	✓			
Whitethroat	2022												
	2023					✓	✓	✓					
Willow Warbler	2022												
	2023								✓				
Woodpigeon	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Wren	2022										✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓	✓	✓	✓			



APPENDIX 7-4

SURVEY DATA

Table of Contents

1.	GOLDEN PLOVER.....	4
2.	KINGFISHER.....	6
3.	PEREGRINE FALCON	8
4.	BLACK-HEADED GULL	13
5.	BRENT GOOSE	20
6.	COMORANT	22
7.	GREY HERON	25
8.	LAPWING.....	31
9.	LESSER BLACK-BACKED GULL.....	33
10.	MALLARD.....	46
11.	TEAL.....	49
12.	KESTREL.....	51
13.	SNIFE	60
14.	BUZZARD.....	64
15.	SPARROWHAWK	96

Table of Tables

Table 7-4 1 Golden Plover Vantage Point Survey Data.....	4
Table 7-4 2 Kingfisher Waterbird Distribution and Abundance Survey Data.....	6
Table 7-4 3 Peregrine Falcon Vantage Point Survey Data.....	8
Table 7-4 4 Peregrine Falcon Winter Walkover Survey Data.....	8
Table 7-4 5 Peregrine Falcon Breeding Raptor Survey Data.....	8
Table 7-4 6 Peregrine Falcon Incidental Records Data.....	8
Table 7-4 7 Black-headed Gull Vantage Point Survey Data.....	13
Table 7-4 8 Black-headed Gull Winter Walkover Survey Data.....	14
Table 7-4 9 Black-headed Gull Waterbird Distribution and Abundance Survey Data.....	15
Table 7-4 10 Brent Goose Waterbird Distribution and Abundance Survey Data.....	20
Table 7-4 11 Cormorant Waterbird Distribution and Abundance Survey Data.....	22
Table 7-4 12 Grey Heron Vantage Point Survey Data.....	25
Table 7-4 13 Grey Heron Waterbird Distribution and Abundance Survey Data.....	25
Table 7-4 14 Lapwing Waterbird Distribution and Abundance Survey Data.....	31
Table 7-4 15 Lesser Black-backed Gull Vantage Point Survey Data.....	33
Table 7-4 16 Lesser Black-backed Gull Winter Walkover Survey Data.....	36

<i>Table 7-4 17 Lesser Black-backed Gull Breeding Walkover Survey Data.....</i>	<i>37</i>
<i>Table 7-4 18 Lesser Black-backed Gull Waterbird Distribution and Abundance Survey Data.....</i>	<i>38</i>
<i>Table 7-4 19 Lesser Black-backed Gull Incidental Records Data.....</i>	<i>40</i>
<i>Table 7-4 20 Mallard Waterbird Distribution and Abundance Survey Data.....</i>	<i>46</i>
<i>Table 7-4 21 Teal Waterbird Distribution and Abundance Survey Data.....</i>	<i>49</i>
<i>Table 7-4 22 Kestrel Vantage Point Survey Data.....</i>	<i>51</i>
<i>Table 7-4 23 Kestrel Winter Walkover Survey Data.....</i>	<i>53</i>
<i>Table 7-4 24 Kestrel Breeding Walkover Survey Data.....</i>	<i>53</i>
<i>Table 7-4 25 Kestrel Breeding Raptor Survey Data.....</i>	<i>53</i>
<i>Table 7-4 26 Kestrel Incidental Records Data.....</i>	<i>54</i>
<i>Table 7-4 27 Snipe Vantage Point Survey Data.....</i>	<i>60</i>
<i>Table 7-4 28 Snipe Breeding Walkover Survey Data.....</i>	<i>60</i>
<i>Table 7-4 29 Snipe Waterbird Distribution and Abundance Survey Data.....</i>	<i>60</i>
<i>Table 7-4 30 Buzzard Vantage Point Survey Data.....</i>	<i>64</i>
<i>Table 7-4 31 Buzzard Winter Walkover Survey Data.....</i>	<i>75</i>
<i>Table 7-4 32 Buzzard Breeding Walkover Survey Data.....</i>	<i>76</i>
<i>Table 7-4 33 Buzzard Breeding Raptor Survey Data.....</i>	<i>80</i>
<i>Table 7-4 34 Buzzard Incidental Records Data.....</i>	<i>89</i>
<i>Table 7-4 35 Sparrowhawk Vantage Point Survey Data.....</i>	<i>96</i>
<i>Table 7-4 36 Sparrowhawk Breeding Walkover Survey Data.....</i>	<i>96</i>
<i>Table 7-4 37 Sparrowhawk Breeding Raptor Survey Data.....</i>	<i>96</i>

Table of Figures

<i>Figure 7-4 1 Golden Plover Vantage Point Survey Map.....</i>	<i>5</i>
<i>Figure 7-4 2 Kingfisher Waterbird Distribution and Abundance Survey Map.....</i>	<i>7</i>
<i>Figure 7-4 3 Peregrine Falcon Vantage Point Survey Map.....</i>	<i>9</i>
<i>Figure 7-4 4 Peregrine Falcon Winter Walkover Survey Map.....</i>	<i>10</i>
<i>Figure 7-4 5 Peregrine Falcon Breeding Raptor Survey Map.....</i>	<i>11</i>
<i>Figure 7-4 6 Peregrine Falcon Incidental Records Map.....</i>	<i>12</i>
<i>Figure 7-4 7 Black-headed Gull Vantage Point Survey Map.....</i>	<i>17</i>
<i>Figure 7-4 8 Black-headed Gull Winter Walkover Survey Map.....</i>	<i>18</i>
<i>Figure 7-4 9 Black-headed Gull Waterbird Distribution and Abundance Survey Map.....</i>	<i>19</i>
<i>Figure 7-4 10 Brent Goose Waterbird Distribution and Abundance Survey Map.....</i>	<i>21</i>
<i>Figure 7-4 11 Cormorant Waterbird Distribution and Abundance Survey Map.....</i>	<i>24</i>
<i>Figure 7-4 12 Grey Heron Vantage Point Survey Map.....</i>	<i>29</i>
<i>Figure 7-4 13 Grey Heron Waterbird Distribution and Abundance Survey Map.....</i>	<i>30</i>

<i>Figure 7-4 14 Lapwing Waterbird Distribution and Abundance Survey Map.....</i>	<i>32</i>
<i>Figure 7-4 15 Lesser Black-backed Gull Vantage Point Survey Map.....</i>	<i>41</i>
<i>Figure 7-4 16 Lesser Black-backed Gull Winter Walkover Survey Map.....</i>	<i>42</i>
<i>Figure 7-4 17 Lesser Black-backed Gull Breeding Walkover Survey Map.....</i>	<i>43</i>
<i>Figure 7-4 18 Lesser Black-backed Gull Waterbird Distribution and Abundance Survey Map.....</i>	<i>44</i>
<i>Figure 7-4 19 Lesser Black-backed Gull Incidental Records Map.....</i>	<i>45</i>
<i>Figure 7-4 20 Mallard Waterbird Distribution and Abundance Survey Map.....</i>	<i>48</i>
<i>Figure 7-4 21 Teal Waterbird Distribution and Abundance Survey Map.....</i>	<i>50</i>
<i>Figure 7-4 22 Kestrel Vantage Point Survey Map.....</i>	<i>55</i>
<i>Figure 7-4 23 Kestrel Winter Walkover Survey Map.....</i>	<i>56</i>
<i>Figure 7-4 24 Kestrel Breeding Walkover Survey Map.....</i>	<i>57</i>
<i>Figure 7-4 25 Kestrel Breeding Raptor Survey Map.....</i>	<i>58</i>
<i>Figure 7-4 26 Kestrel Incidental Records Map.....</i>	<i>59</i>
<i>Figure 7-4 27 Snipe Vantage Point Survey Map.....</i>	<i>61</i>
<i>Figure 7-4 28 Snipe Breeding Walkover Survey Map.....</i>	<i>62</i>
<i>Figure 7-4 29 Snipe Waterbird Distribution and Abundance Survey Map.....</i>	<i>63</i>
<i>Figure 7-4 30 Buzzard Vantage Point Survey Map.....</i>	<i>91</i>
<i>Figure 7-4 31 Buzzard Winter Walkover Survey Map.....</i>	<i>92</i>
<i>Figure 7-4 32 Buzzard Breeding Walkover Survey Map.....</i>	<i>93</i>
<i>Figure 7-4 33 Buzzard Breeding Raptor Survey Map.....</i>	<i>94</i>
<i>Figure 7-4 34 Buzzard Incidental Records Map.....</i>	<i>95</i>
<i>Figure 7-4 35 Sparrowhawk Vantage Point Survey Map.....</i>	<i>97</i>
<i>Figure 7-4 36 Sparrowhawk Breeding Walkover Survey Map.....</i>	<i>98</i>
<i>Figure 7-4 37 Sparrowhawk Breeding Raptor Survey Map.....</i>	<i>99</i>



1.

GOLDEN PLOVER

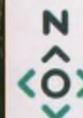
Table 7-4- 1 Golden Plover Vantage Point Survey Data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15 - 49m)	Band 3 (49 - 120m)	Band 4 (>200m)	Habitat and activity	Surveyor
GP001	VP2	04/11/2022	14:20	Golden Plover	115	610	0	0	30	580	improved agricultural grassland; soaring / circling	CB
GP002	VP2	04/11/2022	15:43	Golden Plover	130	2000	10	50	970	970	tiled land and improved agricultural grassland; circling	CB
GP003	VP2	04/11/2022	16:13	Golden Plover	150	1020	0	20	400	600	improved agricultural grassland and tiled land; circling / soaring	CB
GP004	VP2	21/12/2022	11:34	Golden Plover	73	280	80	200	0	0	improved agricultural grassland and tiled land; circling over fields	CB



Map Legend

- EIA Site Boundary
- 500m Radius of Turbines
- ▲ VP Locations
- Turbine Locations
- Observation



Drawing Title	
Golden Plover Observations Vantage Point Surveys	
Project Title	
Proposed Extension of Life of Castledockrell Wind Farm	
Drawn by	Checked by
SA	PM
Project No.	Fig.
210847	Fig. 7-4-1
Scale	Date
1:20,000	12/02/2024

MKO
Planning and
Environmental
Consultants

Tuam Road, Galway
Ireland, H91 VWH4
+353 (0) 91 735613
email: info@mkofireland.ie
Website: www.mkofireland.ie

Microsoft product screen shots reprinted with permission from Microsoft Corporation



2.

KINGFISHER

Table 7-4 2 Kingfisher Waterbird Distribution and Abundance Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
KF001	Bunclody Bridge	29/11/2022	14:21	Kingfisher	1	depositing/lowland rivers; travelling downriver	CB
KF002	Kildavin Quarry	13/12/2022	13:46	Kingfisher	1	depositing/lowland rivers; foraging	CB
KF003	Ballycarney Bridge	16/01/2023	12:31	Kingfisher	2	depositing/lowland rivers; travelling upriver, one stopped to perch in tree on riverbank	CB



Map Legend

-  EIA Site Boundary
-  8km Survey Radius
-  Waterbird Observation Points
-  Observation



Drawing Title
Kingfisher Observations Waterbird
Distribution and Abundance Surveys

Project Title
Proposed Extension of Life of
Castledockrell Wind Farm

Drawn By: SA Checked By: PM

Project No.: 210847 Fig.: Fig. 7-4-2

Scale: 1:110,000 Date: 12/02/2024

MKO
Planning and
Environmental
Consultants
Tullam Road, Galway
Ireland, H91 VWH4
+353 (0) 91 735611
email: info@mkofireland.ie
Website: www.mkofireland.ie

3.

PEREGRINE FALCON

Table 7-4 3 Peregrine Falcon Vantage Point Survey Data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-49m)	Band 3 (49-120m)	Band 4 (>200m)	Habitat and activity	Surveyor
PE001	VP1	29/05/2023	16:41	Peregrine Falcon	1	273	0	0	273	0	improved agricultural grassland; hunting	KW
PE002	VP1	24/06/2023	13:43	Peregrine Falcon	1	113	0	11	0	0	improved agricultural grassland; hunting	KW

Table 7-4 4 Peregrine Falcon Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
PE001	01/12/2022	15:07	Peregrine Falcon	1	improved agricultural grassland; hunting (wintering)	CB

Table 7-4 5 Peregrine Falcon Breeding Raptor Survey Data

Ref.	BRVP	Date	Time	Species	Number	Habitat and activity	Breeding status	Surveyor
PE001	BRVP2	07/06/2023	17:01	Peregrine Falcon	1	improved agricultural grassland, soaring	suitable nesting habitat; possible breeder	KW

Table 7-4 6 Peregrine Falcon Incidental Records Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
PE001	Waterbird Distribution Survey; Bunclody Bridge	04/10/2022	11:33	Peregrine Falcon	1	improved agricultural grassland and depositing/lowland rivers; calling, heard calling repeatedly, not seen	CB



Map Legend

- EIA Site Boundary
- 500m Radius of Turbines
- ▲ VP Locations
- Turbine Locations
- Observation



Drawing Title
**Peregrine Falcon Observations
Vantage Point Surveys**

Project Title
**Proposed Extension of Life of
Castledockrell Wind Farm**

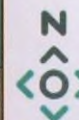
Drawn By SA	Checked By PM
Project No. 210847	Fig. Fig. 7-4-3
Scale 1:20,000	Date 12/02/2024

MKO
Planning and
Environmental
Consultants
Carm Road, Galway
Ireland, H91 V9W4
+353 (0) 91 735611
email: info@mkofireland.ie
Website: www.mkofireland.ie



Map Legend

- EIA Site Boundary
- 500m Radius of Turbines
- Turbine Locations
- Observation



Drawing Title	
Peregrine Falcon Observations Winter Walkover Surveys	
Project Title	
Proposed Extension of Life of Castledockrell Wind Farm	
Drawn By	Checked By
SA	PM
Project No.	Fig.
210847	Fig. 7-4-4
Scale	Date
1:15,000	12/02/2024



MKO
Planning and
Environmental
Consultants
Tusam Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
info@mkofireland.ie
www.mkofireland.ie



Map Legend

- EIA Site Boundary
- 2km Survey Radius
- RVP Locations
- Turbine Locations
- Observation



Drawing Title

Peregrine Falcon Observations
Breeding Raptor Surveys

Project Title

Proposed Extension of Life of
Castledockrell Wind Farm

Drawn By

SA

Checked By

PM

Project No.

210847

Fig.

Fig. 7-4-5

Scale

1:35,000

Date

12/02/2024

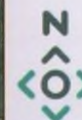


MKO
Planning and
Environmental
Consultants
Tuam Road, Galway
Ireland, H91 VV94
+353 (0) 91 735611
email info@mkofireland.ie
Website: www.mkofireland.ie



Map Legend

-  EIA Site Boundary
-  8km Survey Radius
-  Observation



Microsoft product screen shots reprinted with permission from Microsoft Corporation

Drawing Title	
Peregrine Falcon Incidental Observations	
Project Title	
Proposed Extension of Life of Castledockrell Wind Farm	
Drawn By	Checked By
SA	PM
Project No.	Fig.
210847	Fig. 7-4-6
Scale	Date
1:120,000	12/02/2024
 MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VWH4 +353 (0)1 91 735611 info@mkofireland.ie www.mkofireland.ie	

4.

BLACK-HEADED GULL

Table 7-4. 7 Black-headed Gull Vantage Point Survey Data

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-49m)	Band 3 (49-120m)	Band 4 (>200m)	Habitat and activity	Surveyor
BH001	VP1	14/12/2022	09:18	Black-headed Gull	34	600	600	0	0	0	arable crops and improved agricultural grassland; circling low over fields / foraging on ground	CB
BH002	VP1	14/12/2022	09:20	Black-headed Gull	19	90	90	0	0	0	improved agricultural grassland, arable crops and hedgerows; travelling	CB
BH003	VP1	14/12/2022	10:06	Black-headed Gull	6	25	25	0	0	0	improved agricultural grassland and hedgerows; travelling	CB
BH004	VP1	14/12/2022	10:17	Black-headed Gull	1	15	15	0	0	0	improved agricultural grassland; travelling away from site	CB
BH005	VP1	14/12/2022	10:32	Black-headed Gull	1	10	10	0	0	0	improved agricultural grassland and hedgerows; travelling	CB
BH006	VP1	14/12/2022	11:18	Black-headed Gull	32	-	-	-	-	-	arable crops and improved agricultural grassland; foraging on ground, flying low between fields - mobile flock, same flock seen in first half of VP	CB
BH007	VP1	14/12/2022	11:21	Black-headed Gull	4	45	30	15	0	0	improved agricultural grassland, arable crops and hedgerows; travelling	CB
BH008	VP1	14/12/2022	13:11	Black-headed Gull	1	45	45	0	0	0	improved agricultural grassland and arable crops; travelling	CB
BH009	VP1	14/12/2022	13:54	Black-headed Gull	3	55	55	0	0	0	improved agricultural grassland and hedgerows; travelling	CB
BH010	VP2	21/12/2022	08:39	Black-headed Gull	1	25	10	15	0	0	tiled land and improved agricultural grassland; travelling	CB
BH011	VP2	21/12/2022	09:18	Black-headed Gull	14	150	100	50	0	0	tiled land and improved agricultural grassland; travelling	CB
BH012	VP2	21/12/2022	10:09	Black-headed Gull	5	25	25	0	0	0	tiled land, improved agricultural grassland and hedgerows; travelling	CB
BH013	VP2	21/12/2022	11:07	Black-headed Gull	11	30	25	5	0	0	improved agricultural grassland and tiled land; travelling	CB
BH014	VP2	21/12/2022	11:42	Black-headed Gull	2	30	30	0	0	0	tiled land and improved agricultural grassland; travelling	CB

Ref.	VP	Date	Time	Species	Number	Duration of flight (s)	Band 1 (0-15m)	Band 2 (15-49m)	Band 3 (49-120m)	Band 4 (>200m)	Habitat and activity	Surveyor
BH015	VP2	21/12/2022	11:54	Black-headed Gull	4	-	-	-	-	-	tilled land and improved agricultural grassland; foraging on ground	CB
BH016	VP2	16/02/2023	08:43	Black-headed Gull	3	45	0	45	0	0	improved agricultural grassland and hedgerows; travelling	CB
BH017	VP2	16/02/2023	12:13	Black-headed Gull	17	45	0	0	45	0	improved agricultural grassland and hedgerows; travelling	CB
BH018	VP2	16/02/2023	12:27	Black-headed Gull	105	55	0	0	40	15	improved agricultural grassland and hedgerows; travelling, estimate - large flock moving fast + distant + high up	CB
BH019	VP2	01/03/2023	13:37	Black-headed Gull	13	195	15	60	120	0	improved agricultural grassland and hedgerows; circling over fields, travelling / went to ground	CB

Table 7-4-8 Black-headed Gull Winter Walkover Survey Data

Ref.	Date	Time	Species	Number	Habitat and activity	Surveyor
BH001	01/12/2022	12:18	Black-headed Gull	5	improved agricultural grassland; flushed up from foraging on ground in field (wintering)	CB
BH002	01/12/2022	12:28	Black-headed Gull	1	tilled land and improved agricultural grassland; travelling (flyover; non-breeding)	CB
BH003	01/12/2022	12:37	Black-headed Gull	12	improved agricultural grassland and hedgerows; travelling (flyover; non-breeding)	CB
BH004	01/12/2022	13:21	Black-headed Gull	1	improved agricultural grassland; circling over field (wintering)	CB
BH005	02/03/2023	13:52	Black-headed Gull	215	improved agricultural grassland and hedgerows; foraging on ground in field with cattle, flock flushed up and split in different directions, estimate - large flock of gulls, quite distant (wintering)	CB

Table 7-4-9 Black-headed Gull Waterbird Distribution and Abundance Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH001	River Slaney Drive	15/11/2022	12:33	Black-headed Gull	9	wet grassland, improved agricultural grassland and depositing/lowland rivers; foraging in flooded	CB
BH002	River Slaney Drive	15/11/2022	12:55	Black-headed Gull	7	wet grassland, improved agricultural grassland and depositing/lowland rivers; foraging in flooded field along river	CB
BH003	Clohamon Bridge	15/11/2022	13:49	Black-headed Gull	22	improved agricultural grassland and depositing/lowland rivers; roosting	CB
BH004	Clohamon	15/11/2022	15:03	Black-headed Gull	14	wet grassland and depositing/lowland rivers; foraging in flooded field	CB
BH005	Scarawalsh Bridge	29/11/2022	11:30	Black-headed Gull	4	depositing/lowland rivers and improved agricultural grassland; travelling downriver	CB
BH006	Clohamon	29/11/2022	13:18	Black-headed Gull	26	improved agricultural grassland, arable crops and depositing/lowland rivers; some roosting, some foraging in flooded field across river	CB
BH007	R772 Bridge	29/11/2022	15:54	Black-headed Gull	14	improved agricultural grassland and depositing/lowland rivers; foraging in flooded part of field	CB
BH008	Scarawalsh Bridge	13/12/2022	11:21	Black-headed Gull	13	improved agricultural grassland, depositing/lowland rivers and arable crops; travelling, flying over	CB
BH009	Ballycarney Bridge	13/12/2022	12:00	Black-headed Gull	1	depositing/lowland rivers, improved agricultural grassland and arable crops; travelling	CB
BH010	Clohamon Bridge	13/12/2022	12:41	Black-headed Gull	20	improved agricultural grassland and depositing/lowland rivers; foraging	CB
BH011	Bunclody Bridge	13/12/2022	13:00	Black-headed Gull	1	depositing/lowland rivers, improved agricultural grassland and highly modified/non-native woodland; travelling	CB
BH012	Kildavin Quarry	13/12/2022	13:49	Black-headed Gull	1	depositing/lowland rivers; travelling	CB
BH013	R772 Bridge	13/12/2022	15:54	Black-headed Gull	1	improved agricultural grassland and depositing/lowland rivers; foraging on ground in field with lapwing	CB
BH014	Ballyminane Mills	13/12/2022	15:00	Black-headed Gull	2	improved agricultural grassland and arable crops; travelling	CB
BH015	Black Rock Mountain	13/12/2022	14:30	Black-headed Gull	7	improved agricultural grassland; travelling	CB
BH016	River Slaney Drive	04/01/2023	11:54	Black-headed Gull	24	improved agricultural grassland, depositing/lowland rivers and hedgerows; travelling upriver	CB
BH017	Ballycarney Bridge	04/01/2023	12:10	Black-headed Gull	3	depositing/lowland rivers, improved agricultural grassland and arable crops; travelling	CB
BH018	Clohamon	04/01/2023	13:08	Black-headed Gull	14	improved agricultural grassland and depositing/lowland rivers; foraging	CB
BH019	Clohamon	16/01/2023	13:49	Black-headed Gull	45	wet grassland, improved agricultural grassland and depositing/lowland rivers; preening	CB



Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BH020	Clohamon	08/02/2023	13:21	Black-headed Gull	6	improved agricultural grassland and depositing/lowland rivers; circling over fields around meat plant	CB
BH021	Kildavin Quarry	08/02/2023	14:38	Black-headed Gull	6	lakes and ponds, depositing/lowland rivers and improved agricultural grassland; circling over quarry lakes	CB
BH022	River Slaney Drive	05/04/2023	12:59	Black-headed Gull	2	improved agricultural grassland; foraging	CB



Map Legend

- EIA Site Boundary
- 500m Radius of Turbines
- ▲ VP Locations
- Turbine Locations
- Flight observation
- ◆ Non flight observation



Drawing Title
**Black-headed Gull Observations
Vantage Point Surveys**

Project Title
**Proposed Extension of Life of
Castledockrell Wind Farm**

Drawn By	SA	Checked By	PM
Project No.	210847	Fig.	Fig. 7-4-7
Scale	1:20,000	Date	12/02/2024

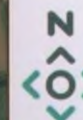


MKO
Planning and
Environmental
Consultants
Tullam Road, Galway
Ireland, H91 VWR4
+353 (0) 91 735611
email: info@mkofireland.ie
Website: www.mkofireland.ie



Map Legend

- EIA Site Boundary
- 500m Radius of Turbines
- Turbine Locations
- Observation



Drawing Title	
Black-headed Gull Observations Winter Walkover Surveys	
Project Title	
Proposed Extension of Life of Castledockrell Wind Farm	
Drawn By	Checked By
SA	PM
Project No.	Fig.
210847	Fig. 7-4-8
Scale	Date
1:15,000	12/02/2024



MKO
Planning and
Environmental
Consultants
Tussock Road, Galway
Ireland, H91 VV84
+353 (0)1 736611
info@mkofireland.ie
www.mkofireland.ie



Map Legend

- EIA Site Boundary
- 8km Survey Radius
- ◆ Waterbird Observation Points
- ◆ Observation



Drawing Title
**Black-headed Gull Observations
Waterbird Distribution and Abundance
Surveys**

Project Title
**Proposed Extension of Life of
Castledockrell Wind Farm**

Drawn by SA	Checked by PM
-----------------------	-------------------------

Project No. 210847	Fig. Fig. 7-4-9
------------------------------	---------------------------

Scale 1:110,000	Date 12/02/2024
---------------------------	---------------------------

MKO
Planning and
Environmental
Consultants
Tusim Road, Galway
Ireland, H91 VW84
+353 (0) 91 735611
email: info@mkofireland.ie
Website: www.mkofireland.ie



5.

BRENT GOOSE

Table 7-4-10 Brent Goose Waterbird Distribution and Abundance Survey Data

Ref.	Location	Date	Time	Species	Number	Habitat and activity	Surveyor
BG001	Ballycarney Bridge	20/10/2022	12:15	Brent Goose	7	depositing/lowland rivers; flying over, travelling downstream	CB



Map Legend

- EIA Site Boundary
- 8km Survey Radius
- Waterbird Observation Points
- Observation



Drawing Title

Brent Goose Observations Waterbird
Distribution and Abundance Surveys

Project Title

Proposed Extension of Life of
Castledockrell Wind Farm

Drawn By

SA

Checked By

PM

Project No.

210847

Fig.

Fig. 7-4-10

Scale

1:100,000

Date

12/02/2024



MKO
Planning and
Environmental
Consultants
Tuam Road, Galway
Ireland, H91 VWS4
+353 (0) 91 735611
email: info@mkofireland.ie
Website: www.mkofireland.ie