

Appendix I

Part 1 - Breeding Bird Survey Results 2018

Part 2 - Breeding Bird Survey Results 2023

Document Verification

Project title N6 Galway City Ring Road
Document title Updated NIS Appendix I - Breeding Bird Surveys
Job number 233985_00
Document ref GCOB-4.04.03_30.10_App I
File reference GCOB-4.03.03_30.10

Revision	Date	Filename	GCOB-4-04-03-21.4. NIS Appendix H		
Issue 1	26 July 2018	Description	Issue 1 as Appendix H Issued with 2018 NIS		
			Prepared by	Checked by	Approved by
		Name	Scott Cawley	Mary Hurley/Fiona Patterson	Eileen McCarthy
		Signature	Andrew Speer	 	
Issue 2	28 March 2025	Filename	GCOB-4.04.03_30.10_NIS Appendix I		
		Description	Issue 2 for Updated NIS as Appendix I		
			Prepared by	Checked by	Approved by
		Name	SCOTT CAWLEY	Mary Hurley	Eileen McCarthy
		Signature			
		Filename			
		Description			
			Prepared by	Checked by	Approved by
		Name			
		Signature			

Issue Document Verification with Document



I.1 Part 1 Breeding Bird Survey Results 2018

Appendix I presents the results of the breeding bird surveys undertaken in 2015 and 2016. Those bird species listed as SCIs for Lough Corrib cSAC and Inner Galway bay SPA for their breeding populations are highlighted in Green in Table 1 below, and are also shown on **Figures 9.1 to 9.2**.

The breeding bird survey methodology is described in **Section 4.4.1.6** of the NIS and the survey area shown on **Figures 9.1 to 9.2**.

Breeding Bird Survey – Species List & Conservation Status

Table 1: Bird species recorded during the 2015 & 2016 breeding bird surveys

Common name	Latin name	Conservation Status ¹	SCI Species for Breeding Population
Blackbird	<i>Turdus merula</i>	Green	
Blackcap	<i>Sylvia atricapilla</i>	Green	
Black-headed Gull	<i>Larus ridibundus</i>	Red	Lough Corrib SPA
Blue Tit	<i>Parus caeruleus</i>	Green	
Bullfinch	<i>Pyrrhula pyrrhula</i>	Green	
Chaffinch	<i>Fringilla coelebs</i>	Green	
Chiffchaff	<i>Phylloscopus collybita</i>	Green	
Collared Dove	<i>Streptopelia decaocto</i>	Green	
Common Tern	<i>Sterna hirundo</i>	Amber	Lough Corrib SPA Inner Galway Bay SPA
Coot	<i>Fulica atra</i>	Amber	
Cormorant	<i>Phalacrocorax carbo</i>	Amber	Inner Galway Bay SPA
Cuckoo	<i>Cuculus canorus</i>	Green	
Curlew	<i>Numenius arquata</i>	Red	
Duncock	<i>Prunella modularis</i>	Green	
Feral Pigeon	<i>Columba livia f. domestica</i>	Green	
Goldcrest	<i>Regulus regulus</i>	Amber	
Goldfinch	<i>Carduelis carduelis</i>	Green	
Grasshopper Warbler	<i>Locustella naevia</i>	Green	
Great Black-backed Gull	<i>Larus marinus</i>	Amber	
Great Tit	<i>Parus major</i>	Green	
Greenfinch	<i>Carduelis chloris</i>	Amber	
Grey Heron	<i>Ardea cinerea</i>	Green	
Grey Wagtail	<i>Motacilla cinerea</i>	Red	
Herring Gull	<i>Larus argentatus</i>	Red	
Hooded Crow	<i>Corvus corone cornix</i>	Green	
House Martin	<i>Delichon urbicum</i>	Amber	
House Sparrow	<i>Passer domesticus</i>	Amber	
Jackdaw	<i>Corvus monedula</i>	Green	
Jay	<i>Garrulus glandarius</i>	Green	
Kestrel	<i>Falco tinnunculus</i>	Amber	
Lesser Black-backed Gull	<i>Larus fuscus</i>	Amber	
Linnet	<i>Carduelis cannabina</i>	Amber	
Little Grebe	<i>Tachybaptus ruficollis</i>	Amber	
Long-tailed Tit	<i>Aegithalus caudatus</i>	Green	

¹ Birds of Conservation Concern in Ireland (BoCCI) status after Colhoun, K. & Cummins, S. (2013) Birds of Conservation Concern in Ireland 2014-2019. *Irish Birds* 9:523-544.

Common name	Latin name	Conservation Status ¹	SCI Species for Breeding Population
Magpie	<i>Pica pica</i>	Green	
Mallard	<i>Anas platyrhynchos</i>	Green	
Meadow Pipit	<i>Anthus pratensis</i>	Red	
Mistle Thrush	<i>Turdus viscivorus</i>	Amber	
Moorhen	<i>Gallinula chloropus</i>	Green	
Peregrine	<i>Falco peregrinus</i>	Green	
Pheasant	<i>Phasianus colchicus</i>	Green	
Pied Wagtail	<i>Motacilla alba</i>	Green	
Reed Bunting	<i>Emberiza schoeniclus</i>	Green	
Ringed Plover	<i>Charadrius hiaticula</i>	Green	
Robin	<i>Erithacus rubecula</i>	Amber	
Rook	<i>Corvus frugilegus</i>	Green	
Sand Martin	<i>Riparia riparia</i>	Amber	
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	Green	
Skylark	<i>Alauda arvensis</i>	Amber	
Song Thrush	<i>Turdus philomelos</i>	Green	
Sparrowhawk	<i>Accipiter nisus</i>	Amber	
Starling	<i>Sturnus vulgaris</i>	Amber	
Stock Dove	<i>Columba oenas</i>	Amber	
Stonechat	<i>Saxicola torquata</i>	Amber	
Swallow	<i>Hirundo rustica</i>	Amber	
Swift	<i>Apus apus</i>	Amber	
Wheatear	<i>Oenanthe oenanthe</i>	Amber	
Whinchat	<i>Saxicola rubetra</i>	Red	
Whitethroat	<i>Sylvia communis</i>	Green	
Willow Warbler	<i>Phylloscopus trochilus</i>	Green	
Woodpigeon	<i>Columba palumbus</i>	Green	
Wren	<i>Troglodytes troglodytes</i>	Green	

Appendix I

Part 2 - Breeding Bird Survey Results 2023

I.1 Part 2 Breeding Bird Survey Results 2023

Appendix I – Part 2: Summary of 2023 Breeding Bird Survey Data

This Appendix I – Part 2 presents the results of the breeding bird surveys undertaken in 2023. Those bird species listed as SCIs for Lough Corrib SPA, Inner Galway bay SPA and Connemara Bog Complex SPA for their breeding populations are highlighted in Green in **Table 1** below. These are the only SPA sites within the ZoI of the Project for which breeding birds were recorded during the breeding bird surveys that are listed as SCIs for those SPA sites for their breeding populations. Bird species listed as SCIs for Creganna Marsh SPA, Rahasane Turlough SPA and Lough Rea SPA are not highlighted in **Table 1**, as the SCIs for these SPAs are not for their breeding populations.

The breeding bird survey methodology is described in Section 4.4.1.6 of the NIS and the survey area shown on Figures 8.1 to 8.2.

Table 1. Summary of Breeding Bird Data from 2023

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCF ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
Black-headed Gull	<i>Larus ridibundus</i>	Confirmed breeding	0	7	Amber	Yes	No	Lough Corrib SPA
		Possible breeder	0					
		Probable breeding	0					
		Non-breeder	7					
Blackbird	<i>Turdus merula</i>	Confirmed breeding	12	580	Green	No	No	
		Possible breeder	454					
		Probable breeding	71					
		Non-breeder	43					
Blackcap	<i>Sylvia atricapilla</i>	Confirmed breeding	2	248	Green	No	No	
		Possible breeder	216					
		Probable breeding	29					
		Non-breeder	1					
Blue Tit	<i>Parus caeruleus</i>	Confirmed breeding	6	252	Green	No	No	
		Possible breeder	204					
		Probable breeding	39					
		Non-breeder	3					
Bullfinch	<i>Pyrrhula pyrrhula</i>	Confirmed breeding	3	65	Green	No	No	
		Possible breeder	39					
		Probable breeding	21					
		Non-breeder	2					
Buzzard	<i>Buteo buteo</i>	Confirmed breeding	0	4	Green	No	No	
		Possible breeder	0					
		Probable breeding	1					
		Non-breeder	3					

¹ Birds of Conservation Concern in Ireland (BoCCI) status after Gilbert, G., Stanbury, A. & Lewis, L. (2021) Birds of Conservation Concern in Ireland 2020-2026. *Irish Birds* 43:1-22.

² Special Conservation Interests (SCI) species are Annex I birds, and migratory birds and their habitats for which sites are selected for SPA designation.

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
Chaffinch	<i>Fringilla coelebs</i>	Confirmed breeding	3	108	Green	No	No	
		Possible breeder	96					
		Probable breeding	9					
		Non-breeder	0					
Chiffchaff	<i>Phylloscopus collybita</i>	Confirmed breeding	1	153	Green	No	No	
		Possible breeder	151					
		Probable breeding	1					
		Non-breeder	0					
Coal Tit	<i>Parus ater</i>	Confirmed breeding	5	82	Green	No	No	
		Possible breeder	71					
		Probable breeding	5					
		Non-breeder	1					
Collared Dove	<i>Streptopelia decaocto</i>	Confirmed breeding	0	12	Green	No	No	
		Possible breeder	8					
		Probable breeding	2					
		Non-breeder	2					
Common Gull	<i>Larus canus</i>	Confirmed breeding	0	2	Amber	Yes	No	Connemara Bog Complex SPA
		Possible breeder	0					
		Probable breeding	0					
		Non-breeder	2					
Common Tern	<i>Sterna hirundo</i>	Confirmed breeding	0	1	Amber	Yes	Yes	Lough Corrib SPA Inner Galway Bay SPA
		Possible breeder	0					
		Probable breeding	0					
		Non-breeder	1					
Cormorant	<i>Phalacrocorax carbo</i>	Confirmed breeding	0	17	Amber	Yes	No	Inner Galway Bay SPA Connemara Bog Complex SPA
		Possible breeder	0					
		Probable breeding	0					

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
		Non-breeder	17					
Cuckoo	<i>Cuculus canorus</i>	Confirmed breeding	0	11	Green	No	No	
		Possible breeder	10					
		Probable breeding	1					
		Non-breeder	0					
Curlew	<i>Numenius arquata</i>	Confirmed breeding	0	1	Red	Yes ³	No	
		Possible breeder	0					
		Probable breeding	0					
		Non-breeder	1					
Dunnock	<i>Prunella modularis</i>	Confirmed breeding	0	210	Green	No	No	
		Possible breeder	204					
		Probable breeding	5					
		Non-breeder	1					
Feral Pigeon	<i>Columba livia f. domestica</i>	Confirmed breeding	1	8	Green	No	No	
		Possible breeder	3					
		Probable breeding	2					
		Non-breeder	2					
Goldcrest	<i>Regulus regulus</i>	Confirmed breeding	2	168	Amber	No	No	
		Possible breeder	142					
		Probable breeding	18					
		Non-breeder	6					
Goldfinch	<i>Carduelis carduelis</i>	Confirmed breeding	4	259	Green	No	No	
		Possible breeder	131					
		Probable breeding	35					
		Non-breeder	89					
Grasshopper Warbler	<i>Locustella naevia</i>	Confirmed breeding	0	15	Green	No	No	

³ Note that this is an SCI species, but is not an SCI for their breeding populations within the ZoI.

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
		Possible breeder	15					
		Probable breeding	0					
		Non-breeder	0					
Great Tit	<i>Parus major</i>	Confirmed breeding	4	215	Green	No	No	
		Possible breeder	176					
		Probable breeding	33					
		Non-breeder	2					
Greenfinch	<i>Carduelis chloris</i>	Confirmed breeding	0	9	Amber	No	No	
		Possible breeder	7					
		Probable breeding	1					
		Non-breeder	1					
Grey Heron	<i>Ardea cinerea</i>	Confirmed breeding	0	6	Green	Yes ³	No	
		Possible breeder	1					
		Probable breeding	0					
		Non-breeder	5					
Grey Wagtail	<i>Motacilla cinerea</i>	Confirmed breeding	0	3	Red	No	No	
		Possible breeder	2					
		Probable breeding	0					
		Non-breeder	1					
Herring Gull	<i>Larus argentatus</i>	Confirmed breeding	1	37	Red	Yes ³	No	
		Possible breeder	2					
		Probable breeding	0					
		Non-breeder	34					
Hooded Crow	<i>Corvus corone cornix</i>	Confirmed breeding	8	106	Green	No	No	
		Possible breeder	41					
		Probable breeding	22					
		Non-breeder	35					

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
House Martin	<i>Delichon urbicum</i>	Confirmed breeding	4	27	Amber	No	No	
		Possible breeder	0					
		Probable breeding	4					
		Non-breeder	19					
House Sparrow	<i>Passer domesticus</i>	Confirmed breeding	1	26	Amber	No	No	
		Possible breeder	20					
		Probable breeding	4					
		Non-breeder	1					
Jackdaw	<i>Corvus monedula</i>	Confirmed breeding	9	81	Green	No	No	
		Possible breeder	11					
		Probable breeding	24					
		Non-breeder	37					
Jay	<i>Garrulus glandarius</i>	Confirmed breeding	0	7	Green	No	No	
		Possible breeder	6					
		Probable breeding	1					
		Non-breeder	0					
Kestrel	<i>Falco tinnunculus</i>	Confirmed breeding	0	10	Red	No	No	
		Possible breeder	2					
		Probable breeding	2					
		Non-breeder	6					
Lesser black-backed Gull	<i>Larus fuscus</i>	Confirmed breeding	0	9	Amber	Yes ³	No	
		Possible breeder	0					
		Probable breeding	0					
		Non-breeder	9					
Linnet	<i>Carduelis cannabina</i>	Confirmed breeding	1	35	Amber	No	No	
		Possible breeder	6					
		Probable breeding	5					

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
		Non-breeder	23					
Little Egret	<i>Egretta garzetta</i>	Confirmed breeding	0	1	Green	No	Yes	
		Possible breeder	0					
		Probable breeding	0					
		Non-breeder	1					
Little Grebe	<i>Tachybaptus ruficollis</i>	Confirmed breeding	0	1	Amber	Yes ³	No	
		Possible breeder	1					
		Probable breeding	0					
		Non-breeder	0					
Long-eared Owl	<i>Asio otus</i>	Confirmed breeding	2	2	Green	No	No	
		Possible breeder	0					
		Probable breeding	0					
		Non-breeder	0					
Long-tailed Tit	<i>Aegithalos caudatus</i>	Confirmed breeding	0	38	Green	No	No	
		Possible breeder	28					
		Probable breeding	9					
		Non-breeder	1					
Magpie	<i>Pica pica</i>	Confirmed breeding	5	108	Green	No	No	
		Possible breeder	43					
		Probable breeding	27					
		Non-breeder	33					
Mallard	<i>Anas platyrhynchos</i>	Confirmed breeding	0	10	Amber	Yes ³	No	
		Possible breeder	1					
		Probable breeding	4					
		Non-breeder	5					
Meadow Pipit	<i>Anthus pratensis</i>	Confirmed breeding	0	8	Red	No	No	
		Possible breeder	6					

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
		Probable breeding	1					
		Non-breeder	1					
Mistle Thrush	<i>Turdus viscivorus</i>	Confirmed breeding	4	31	Amber	No	No	
		Possible breeder	18					
		Probable breeding	6					
		Non-breeder	3					
Moorhen	<i>Gallinula chloropus</i>	Confirmed breeding	0	1	Green	No	No	
		Possible breeder	1					
		Probable breeding	0					
		Non-breeder	0					
Peregrine	<i>Falco peregrinus</i>	Confirmed breeding	1	2	Green	Yes ³	Yes	
		Possible breeder	1					
		Probable breeding	0					
		Non-breeder	0					
Pheasant	<i>Phasianus colchicus</i>	Confirmed breeding	0	46	Green	No	No	
		Possible breeder	34					
		Probable breeding	11					
		Non-breeder	1					
Pied Wagtail	<i>Motacilla alba</i>	Confirmed breeding	7	25	Green	No	No	
		Possible breeder	11					
		Probable breeding	1					
		Non-breeder	6					
Redpoll (lesser)	<i>Acanthis flammea</i>	Confirmed breeding	0	7	Green	No	No	
		Possible breeder	3					
		Probable breeding	0					
		Non-breeder	4					
Reed Bunting	<i>Emberiza schoeniclus</i>	Confirmed breeding	0	4	Green	No	No	

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
		Possible breeder	3					
		Probable breeding	1					
		Non-breeder	0					
Robin	<i>Erithacus rubecula</i>	Confirmed breeding	8	358	Amber	No	No	
		Possible breeder	327					
		Probable breeding	19					
		Non-breeder	4					
Rock Dove (not feral)	<i>Columba livia</i>	Confirmed breeding	0	1	Green	No	No	
		Possible breeder	0					
		Probable breeding	1					
		Non-breeder	0					
Rook	<i>Corvus frugilegus</i>	Confirmed breeding	1	64	Green	No	No	
		Possible breeder	14					
		Probable breeding	6					
		Non-breeder	43					
Sand Martin	<i>Riparia riparia</i>	Confirmed breeding	0	2	Amber	No	No	
		Possible breeder	0					
		Probable breeding	0					
		Non-breeder	2					
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	Confirmed breeding	1	14	Green	No	No	
		Possible breeder	13					
		Probable breeding	0					
		Non-breeder	0					
Skylark	<i>Alauda arvensis</i>	Confirmed breeding	0	2	Amber	No	No	
		Possible breeder	2					
		Probable breeding	0					
		Non-breeder	0					

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
Snipe	<i>Gallinago gallinago</i>	Confirmed breeding	0	25	Red	No	No	
		Possible breeder	8					
		Probable breeding	1					
		Non-breeder	16					
Song Thrush	<i>Turdus philomelos</i>	Confirmed breeding	4	178	Green	No	No	
		Possible breeder	157					
		Probable breeding	8					
		Non-breeder	9					
Sparrowhawk	<i>Accipiter nisus</i>	Confirmed breeding	0	2	Amber	No	No	
		Possible breeder	2					
		Probable breeding	0					
		Non-breeder	0					
Starling	<i>Sturnus vulgaris</i>	Confirmed breeding	23	110	Amber	No	No	
		Possible breeder	16					
		Probable breeding	26					
		Non-breeder	45					
Stonechat	<i>Saxicola torquata</i>	Confirmed breeding	1	11	Amber	No	No	
		Possible breeder	8					
		Probable breeding	2					
		Non-breeder	0					
Swallow	<i>Hirundo rustica</i>	Confirmed breeding	9	97	Amber	No	No	
		Possible breeder	1					
		Probable breeding	15					
		Non-breeder	72					
Swift	<i>Apus apus</i>	Confirmed breeding	0	9	Red	No	No	
		Possible breeder	4					
		Probable breeding	1					

Common name	Scientific name	Breeding Status and Behaviour	Number of Records	Grand Total	BOCCI ¹	SCI ²	Annex I	SCI Species of SPA Breeding Population within ZoI of the Project
		Non-breeder	4					
Tree Sparrow	<i>Passer montanus</i>	Confirmed breeding	0	1	Amber	No	No	
		Possible breeder	1					
		Probable breeding	0					
		Non-breeder	0					
Treetreeper	<i>Certhia familiaris</i>	Confirmed breeding	0	10	Green	No	No	
		Possible breeder	9					
		Probable breeding	1					
		Non-breeder	0					
Whitethroat	<i>Sylvia communis</i>	Confirmed breeding	0	63	Green	No	No	
		Possible breeder	60					
		Probable breeding	3					
		Non-breeder	0					
Willow Warbler	<i>Phylloscopus trochilus</i>	Confirmed breeding	0	366	Amber	No	No	
		Possible breeder	355					
		Probable breeding	9					
		Non-breeder	2					
Woodpigeon	<i>Columba palumbus</i>	Confirmed breeding	2	327	Green	No	No	
		Possible breeder	214					
		Probable breeding	48					
		Non-breeder	63					
Wren	<i>Troglodytes troglodytes</i>	Confirmed breeding	0	829	Green	No	No	
		Possible breeder	793					
		Probable breeding	34					
		Non-breeder	2					