

Appendix 4A
Biodiversity Tables

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Table 4.1. Field Surveys.

Date	Lands surveyed	Survey for
28/08/2020	FCC Barrysparks Master Plan lands – southern lands	Mammals, habitats, flora and invasive species, post breeding season birds
28/08/2020	FCC Barrysparks Master Plan lands	Bat survey
29/09/2020	FCC Barrysparks Master Plan lands – southern lands	Mammals, habitats, flora and invasive species, post breeding season birds
29/09/2020	FCC Barrysparks Master Plan lands	Bat survey
13/12/2020	FCC Barrysparks Master Plan lands – northern lands	Mammals, habitats and flora, wintering birds
19/08/2021	VHI Barrysparks lands	Mammals, habitats and flora, post breeding season birds
19/08/2021	FCC Barrysparks Master Plan lands	Bat survey
29/11/2022	FCC Barrysparks and Crowscastle Master Plan lands	Wintering birds (water birds and passerines)
12/12/2022	FCC Barrysparks and Crowscastle Master Plan lands	Wintering birds (water birds and passerines)
06/01/2023	FCC Barrysparks and Crowscastle Master Plan lands	Wintering birds (water birds and passerines)
13/01/2023	VHI Barrysparks lands	Wintering water birds
20/01/2023	FCC Barrysparks and Crowscastle Master Plan lands	Wintering water birds
13/02/2023	FCC Barrysparks and Crowscastle Master Plan lands	Wintering birds (water birds and passerines)
22/02/2023	FCC Barrysparks and Crowscastle Master Plan lands	Wintering water birds
07/03/2023	FCC Barrysparks and Crowscastle Master Plan lands	Wintering birds (water birds and passerines)
20/03/2023	FCC Barrysparks and Crowscastle Master Plan lands	Wintering birds (water birds and passerines)
03/04/2023	FCC Barrysparks and Crowscastle Master Plan lands	Wintering birds (water birds and passerines)
26/05/2023	FCC Barrysparks Master Plan lands	Mammals, habitats, flora, invasive species, breeding birds and detailed grassland survey
08/06/2023	FCC Barrysparks Master Plan lands	Habitats, flora and detailed grassland and spring survey
26/06/2023	FCC Barrysparks Master Plan lands	Habitats, flora and orchid survey

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Date	Lands surveyed	Survey for
13/09/2023	FCC Barrysparks Master Plan lands	Wintering water birds
18/09/2023	FCC Barrysparks Master Plan lands	Wintering water birds
26/09/2023	FCC Barrysparks Master Plan lands	Wintering water birds
02/10/2023	FCC Barrysparks Master Plan lands	Wintering water birds
12/10/2023	FCC Barrysparks Master Plan lands	Wintering water birds
18/10/2023	FCC Barrysparks Master Plan lands	Wintering water birds
23/10/2023	FCC Barrysparks Master Plan lands	Wintering water birds
01/11/2023	FCC Barrysparks Master Plan lands	Wintering water birds
07/11/2023	FCC Barrysparks Master Plan lands	Wintering water birds
14/11/2023	FCC Barrysparks Master Plan lands	Wintering water birds
21/11/2023	FCC Barrysparks Master Plan lands	Wintering water birds
29/11/2023	FCC Barrysparks Master Plan lands	Wintering water birds
05/12/2023	FCC Barrysparks Master Plan lands	Wintering water birds
14/12/2023	FCC Barrysparks Master Plan lands	Wintering water birds
18/12/2023	FCC Barrysparks Master Plan lands	Wintering water birds
27/12/2023	FCC Barrysparks Master Plan lands	Wintering water birds
03/01/2024	FCC Barrysparks Master Plan lands	Wintering water birds
06/01/2024	FCC Barrysparks Master Plan lands	Wintering water birds
15/01/2024	FCC Barrysparks Master Plan lands	Wintering water birds
16/01/2024	FCC Barrysparks Master Plan lands	Wintering water birds
17/01/2024	FCC Barrysparks Master Plan lands	Wintering water birds
25/01/2024	FCC Barrysparks Master Plan lands	Wintering water birds
30/01/2024	FCC Barrysparks Master Plan lands	Wintering water birds
01/02/2024	FCC Barrysparks Master Plan lands	Wintering water birds
09/02/2024	FCC Barrysparks Master Plan lands	Wintering water birds
12/02/2024	FCC Barrysparks Master Plan lands	Wintering water birds
20/02/2024	FCC Barrysparks Master Plan lands	Wintering water birds

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Date	Lands surveyed	Survey for
26/02/2024	FCC Barrysparks Master Plan lands	Wintering water birds
05/03/2024	FCC Barrysparks Master Plan lands	Wintering water birds
07/03/2024	FCC Barrysparks Master Plan lands	Wintering water birds
12/03/2024	FCC Barrysparks Master Plan lands	Wintering water birds
21/03/2024	FCC Barrysparks Master Plan lands	Wintering water birds
27/03/2024	FCC Barrysparks Master Plan lands	Wintering water birds
09/04/2024	FCC Barrysparks Master Plan lands	Wintering water birds
12/04/2024	FCC Barrysparks Master Plan lands	Wintering water birds
24/04/2024	FCC Barrysparks Master Plan lands	Wintering water birds
14/05/2024	FCC Barrysparks Master Plan lands – application site	Habitats, flora and orchid survey, invasive species, breeding birds
23/08/2024	FCC Barrysparks Master Plan lands – application site	Habitats and Flora, invasive species
12/09/2024	FCC Barrysparks Master Plan lands – application site	Habitats and Flora, invasive species
24/09/2024	FCC Barrysparks Master Plan lands – application site	Bat Survey
25/09/2024	FCC Barrysparks Master Plan lands – application site	Mammals and Bats
29/10/2024	FCC Barrysparks Master Plan lands	Wintering water birds
05/11/2024	FCC Barrysparks Master Plan lands	Wintering water birds
18/11/2024	FCC Barrysparks Master Plan lands	Wintering water birds
26/11/2024	FCC Barrysparks Master Plan lands	Wintering water birds
01/12/2024	FCC Barrysparks Master Plan lands	Wintering water birds
11/12/2024	FCC Barrysparks Master Plan lands	Wintering water birds
16/12/2024	FCC Barrysparks Master Plan lands	Wintering water birds
23/12/2024	FCC Barrysparks Master Plan lands	Wintering water birds
29/12/2024	FCC Barrysparks Master Plan lands	Wintering water birds
03/01/2025	FCC Barrysparks Master Plan lands	Wintering water birds
06/01/2025	FCC Barrysparks Master Plan lands	Wintering water birds
10/01/2025	FCC Barrysparks Master Plan lands	Wintering water birds

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Date	Lands surveyed	Survey for
14/01/2025	FCC Barrysparks Master Plan lands	Wintering water birds
26/01/2025	FCC Barrysparks Master Plan lands	Wintering water birds
31/01/2025	FCC Barrysparks Master Plan lands	Wintering water birds
07/02/2025	FCC Barrysparks Master Plan lands	Wintering water birds
17/02/2025	FCC Barrysparks Master Plan lands	Wintering water birds
26/02/2025	FCC Barrysparks Master Plan lands	Wintering water birds
03/03/2025	FCC Barrysparks Master Plan lands	Wintering water birds
10/03/2025	FCC Barrysparks Master Plan lands	Wintering water birds
12/03/2025	FCC Barrysparks Master Plan lands	Wintering water birds
18/03/2025	FCC Barrysparks Master Plan lands	Wintering water birds
25/03/2025	FCC Barrysparks Master Plan lands	Wintering water birds
02/04/2025	FCC Barrysparks Master Plan lands	Wintering water birds
15/07/2025	FCC Barrysparks Master Plan lands – application site	Habitats and Flora

Table 4.2. Ornithological surveys and weather conditions during the survey sessions - 2022/2023.

Date	Tidal state	Cloud	Ice	Wind
29/11/2022	Low - Rising	67-100%	No	WSW2
12/12/2022	Low - Rising	67-100%	No	W1
06/01/2023	Rising - High	67-100%	No	SSW3
*20/01/2023	Rising - High	0-33%	Yes	S1
13/02/2023	Low	0-33%	No	SSW3
*22/02/2023	Rising	0-33%	No	WNW4
07/03/2023	Rising	0-33%	Yes	NW2
20/03/2023	High	67-100%	No	S3
03/04/2023	High-Rising	67-100%	No	SE4

* Not all birds were recorded – the focus was on waterbirds.

Table 4.3. Conditions during the survey sessions between September 2023 and April 2024.

Date	Rain	Cloud Octas	Wind Km/hr	Temp °C	Tidal state	High Tide	Height (m)
13/09/2023	None	4	S8		High	11:35	3.28
18/09/2023	None	6	W29		High	14:15	3.8
26/09/2023	None	3	SW24	16	Falling	09:53	3.43
02/10/2023	None	8	SSW11		High	14:18	4.3
12/10/2023	None	0	W3		High	11:19	3.56
18/10/2023	None	8	E23		High	14:25	3.88
23/10/2023	None	7	SE27		Low	07:09	3.11
01/11/2023	None	4	WSW39	9	High	13:34	3.9

Date	Rain	Cloud Octas	Wind Km/hr	Temp °C	Tidal state	High Tide	Height (m)
07/11/2023	None	2	W25		Low	07:25	2.92
14/11/2023	None	4	W27		High	11:47	4.09
21/11/2023	None	2	NW12	4	Falling	05:51	3.32
29/11/2023	None	7	NE14		High	12:35	4.04
05/12/2023	Drizzle	4	NNW12	8	Low	05:12	2.95
14/12/2023	None	8	W19	9	High	12:06	4.21
18/12/2023	None	8	WSW19		High	15:26	4.07
27/12/2023	None	8	SW29		High	11:43	4.04
03/01/2024	None	8	WSW15		Rising	16:23	3.39
06/01/2024	None	3	NNW11		Low	07:13	3.1
15/01/2024	None	2	NW11		High	14:08	4.38
16/01/2024	None	4	SW20	4	Rising	15:08	4.35
17/01/2024	None		NW10	2	High	16:00	4.19
25/01/2024	None	8	SSW22	13	High	11:27	3.93
30/01/2024	None	1	WSW15	2	Rising	14:16	3.84
01/02/2024	None	4	SW14		Rising	15:36	3.47
09/02/2024	None	8	NE12	7	Falling	10:51	4.18
12/02/2024	None	3	WSW28	8	High	13:04	4.72
20/02/2024	None	8	WSW28		Low	09:02	3.3
26/02/2024	None	2	N22	8	High	12:41	3.99
05/03/2024	None	7	WSW21	10	Low	19:26	2.88
07/03/2024	None	4	SE27	10	Low	08:55	3.42
12/03/2024	None	4			High	12:43	4.67
21/03/2024	None	7	SW27	11	Falling	09:30	3.39
27/03/2024	Showers	8	S26	9	Falling	12:45	3.87
09/04/2024	None	6	NNW38		Rising	12:41	4.56
12/04/2024	None	7	SSW3	12	Low	14:58	4.03
24/04/2024	None	8	E9	10	High	12:46	3.81

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Table 4.4. Conditions during the survey sessions completed for the LRD application between October 2024 and April 2025.

Date	Rain	Cloud Octas	Wind Km/hr	Temp °C	Tidal state	High Tide	Height (m)
29/10/2024	None	8					
05/11/2024	Drizzle	8	SSE11		Rising	13:30	3.77
18/11/2024	Showers	8	ESE8	4	Rising	12:52	4.2
26/11/2024	None	0	WSW12	6	Low	08:30	3.23
01/12/2024	None	1	NW26	6	High	11:56	3.99
11/12/2024	None						
16/12/2024	None	7	SW26	9	High	11:55	4.24
23/12/2024	None	7	SW15	6	Low	05:18	3.28
29/12/2024	None	8	WSW25	10	Falling	10:27	3.75
03/01/2025	None	0	WSW17	3	Rising	13:36	4.17
06/01/2025	None	6	W18		Low	16:10	4.03
10/01/2025	None	8	SSE16	4	Falling	08:17	3.52
14/01/2025	None	8	SW9	11	High	11:41	4.08
26/01/2025	None	8	ESE33	6	High	09:17	3.48
31/01/2025	None	0	W10	6	Rising	12:36	4.47
07/02/2025	None	6	E29		Low	19:02	3.31

Date	Rain	Cloud Octas	Wind Km/hr	Temp °C	Tidal state	High Tide	Height (m)
17/02/2025	None	8	SE26	6	Rising	14:23	3.78
26/02/2025	None	8	W31	7	High	10:12	3.81
03/03/2025	None	3			High	13:38	4.3
10/03/2025	None	1	NNW16	11	Falling	09:08	3.42
12/03/2025	None	2	N17	8	Falling	10:40	3.86
18/03/2025	None	2	ESE24	8	Rising	13:54	3.69
25/03/2025	None	8	NW17		Falling	08:12	310
02/04/2025	None	1	E19	10	Low	15:13	4.11

Table 4.5. Ratings for Ecological Sites (NRA 2009).

<p>International Importance:</p> <ul style="list-style-type: none"> • 'European Site' including Special Area of Conservation (SAC), Site of Community Importance (SCI), Special Protection Area (SPA) or proposed Special Area of Conservation. Proposed Special Protection Area (pSPA). • Site that fulfils the criteria for designation as a 'European Site' (see Annex III of the Habitats Directive, as amended). • Features essential to maintaining the coherence of the Natura 2000 Network. • Site containing 'best examples' of the habitat types listed in Annex I of the Habitats Directive. • Resident or regularly occurring populations (assessed to be important at the national level) of the following: <ul style="list-style-type: none"> ➤ Species of bird, listed in Annex I and/or referred to in Article 4(2) of the Birds Directive; and/or Species of animal and plants listed in Annex II and/or IV of the Habitats Directive. • Ramsar Site (Convention on Wetlands of International Importance Especially Waterfowl Habitat 1971). • World Heritage Site (Convention for the Protection of World Cultural & Natural Heritage, 1972). • Biosphere Reserve (UNESCO Man & the Biosphere Programme). • Site hosting significant species populations under the Bonn Convention (Convention on the Conservation of Migratory Species of Wild Animals, 1979). • Site hosting significant populations under the Berne Convention (Convention on the Conservation of European Wildlife and Natural Habitats, 1979). • Biogenetic Reserve under the Council of Europe. • European Diploma Site under the Council of Europe. • Salmonid water designated pursuant to the European Communities (Quality of Salmonid Waters) Regulations, 1988, (S.I. No. 293 of 1988).
<p>National Importance:</p> <ul style="list-style-type: none"> • Site designated or proposed as a Natural Heritage Area (NHA). • Statutory Nature Reserve. • Refuge for Fauna and Flora protected under the Wildlife Acts. • National Park. • Undesignated site fulfilling the criteria for designation as a Natural Heritage Area (NHA); • Statutory Nature Reserve; • Refuge for Fauna and Flora protected under the Wildlife Act; and/or a National Park. • Resident or regularly occurring populations (assessed to be important at the national level) of the following: Species protected under the Wildlife Acts; and/or Species listed on the relevant Red Data list. • Site containing 'viable areas' of the habitat types listed in Annex I of the Habitats Directive.
<p>County Importance:</p> <ul style="list-style-type: none"> • Area of Special Amenity. • Area subject to a Tree Preservation Order. • Area of High Amenity, or equivalent, designated under the County Development Plan.

- Resident or regularly occurring populations (assessed to be important at the County level) of the following:
 - Species of bird, listed in Annex I and/or referred to in Article 4(2) of the Birds Directive;
 - Species of animal and plants listed in Annex II and/or IV of the Habitats Directive;
 - Species protected under the Wildlife Acts; and/or Species listed on the relevant Red Data list.
- Site containing area or areas of the habitat types listed in Annex I of the Habitats Directive that do not fulfil the criteria for valuation as of International or National importance.
- County important populations of species or viable areas of semi-natural habitats or natural heritage features identified in the National or Local BAP, if this has been prepared.
- Sites containing semi-natural habitat types with high biodiversity in a county context and a high degree of naturalness, or populations of species that are uncommon within the county.
- Sites containing habitats and species that are rare or are undergoing a decline in quality or extent at a national level.

Local Importance (higher value):

- Locally important populations of Priority species or habitats or natural heritage features identified in the Local Biodiversity Action Plan (BAP), if this has been prepared;
- Resident or regularly occurring populations (assessed to be important at the Local level) of the following:
 - Species of bird, listed in Annex I and/or referred to in Article 4(2) of the Birds Directive;
 - Species of animal and plants listed in Annex II and/or IV of the Habitats Directive;
 - Species protected under the Wildlife Acts; and/or Species listed on the relevant Red Data list.
- Sites containing semi-natural habitat types with high biodiversity in a local context and a high degree of naturalness, or populations of species that are uncommon in the locality;
- Sites or features containing common or lower value habitats, including naturalised species that are nevertheless essential in maintaining links and ecological corridors between features of higher ecological value.

Local Importance (lower value):

- Sites containing small areas of semi-natural habitat that are of some local importance for wildlife;
- Sites or features containing non-native species that are of some importance in maintaining habitat links.

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Table 4.6. European Sites of relevance to the proposed Bovale LRD development of the FCC Barrysparks Master Plan lands.

Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
000205 Malahide Estuary SAC	1.4km N and hydrologically connected via the Gaybrook Stream	<p>Source: NPWS (2013) Conservation Objectives: Malahide Estuary SAC 000205. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the Annex I habitats for which the SAC has been selected:</p> <ul style="list-style-type: none"> • (1140) Mudflats and sandflats not covered by seawater at low tide • (1310) <i>Salicornia</i> and other annuals colonizing mud and sand • (1320) <i>Spartina</i> swards (<i>Spartinion maritimae</i>) • (1330) Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) • (1410) Mediterranean salt meadows (<i>Juncetalia maritimi</i>) • (2130) Fixed coastal dunes with herbaceous vegetation (grey dunes)* • (2120) Shifting dunes along the shoreline with <i>Ammophila arenaria</i> (white dunes)
004025 Malahide Estuary SPA	1.4km N and hydrologically connected via the Gaybrook Stream	<p>Source: NPWS (2013) Conservation Objectives: Malahide Estuary SPA 004025. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Great Crested Grebe (<i>Podiceps cristatus</i>) [A005] • Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046] • Shelduck (<i>Tadorna tadorna</i>) [A048] • Pintail (<i>Anas acuta</i>) [A054] • Goldeneye (<i>Bucephala clangula</i>) [A067] • Red-breasted Merganser (<i>Mergus serrator</i>) [A069] • Oystercatcher (<i>Haematopus ostralegus</i>) [A130] • Golden Plover (<i>Pluvialis apricaria</i>) [A140] • Grey Plover (<i>Pluvialis squatarola</i>) [A141] • Knot (<i>Calidris canutus</i>) [A143]

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
		<ul style="list-style-type: none"> • Dunlin (<i>Calidris alpina</i>) [A149] • Black-tailed Godwit (<i>Limosa limosa</i>) [A156] • Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157] • Redshank (<i>Tringa totanus</i>) [A162] • Wetland and Waterbirds [A999] <p>To maintain the favourable conservation condition of the wetland habitat in Malahide Estuary SPA as a resource for the regularly-occurring migratory waterbirds that utilise it.</p> <p>The favourable conservation status of a species is achieved when:</p> <ul style="list-style-type: none"> • population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats, and • the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future, and • there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis. <p>This is achieved through the conservation of the populations of the listed waterbird Special Conservation Interests from the SPA. In order to achieve this the long term population trend is stable or increasing and there is no significant decrease in the range, timing or intensity of use of areas by the listed waterbird Special Conservation Interests from the SPA, other than that occurring from natural patterns of variation.</p>
004236 North-West Irish Sea SPA	6km east	<p>Source: NPWS (2023) Conservation Objectives: North-west Irish Sea SPA 004236. Version 1. National Parks and Wildlife Service, Department of Housing, Local Government and Heritage.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Common Scoter (<i>Melanitta nigra</i>) [A065] • Red-throated Diver (<i>Gavia stellata</i>) [A001] • Great Northern Diver (<i>Gavia immer</i>) [A003] • Fulmar (<i>Fulmarus glacialis</i>) [A009] • Manx Shearwater (<i>Puffinus puffinus</i>) [A013]

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
		<ul style="list-style-type: none"> • Shag (<i>Phalacrocorax aristotelis</i>) [A018] • Cormorant (<i>Phalacrocorax carbo</i>) [A017] • Little Gull (<i>Larus minutus</i>) [A177] • Kittiwake (<i>Rissa tridactyla</i>) [A188] • Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179] • Common Gull (<i>Larus canus</i>) [A182] • Lesser Black-backed Gull (<i>Larus fuscus</i>) [A183] • Herring Gull (<i>Larus argentatus</i>) [A184] • Great Black-backed Gull (<i>Larus marinus</i>) [A187] • Little Tern (<i>Sterna albifrons</i>) [A195] • Roseate Tern (<i>Sterna dougallii</i>) [A192] • Common Tern (<i>Sterna hirundo</i>) [A193] • Arctic Tern (<i>Sterna paradisaea</i>) [A194] • Puffin (<i>Fratercula arctica</i>) [A204] • Razorbill (<i>Alca torda</i>) [A200]
000208 Rogerstown Estuary SAC	5.4km N	<p>Source: NPWS (2013) Conservation Objectives: Rogerstown Estuary SAC 000208. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the Annex I habitats for which the SAC has been selected:</p> <ul style="list-style-type: none"> • (1130) Estuaries • (1140) Mudflats and sandflats not covered by seawater at low tide • (1310) <i>Salicornia</i> and other annuals colonizing mud and sand • (1330) Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) • (1410) Mediterranean salt meadows (<i>Juncetalia maritimi</i>) • (2120) Shifting dunes along the shoreline with <i>Ammophila arenaria</i> (white dunes) • (2130) Fixed coastal dunes with herbaceous vegetation (grey dunes)*
004015 Rogerstown Estuary SPA	5.7km N	<p>Source: NPWS (2013) Conservation Objectives: Rogerstown Estuary SPA 004015. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p>

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
		<p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none">• Greylag Goose (<i>Anser anser</i>) [A043]• Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046]• Shelduck (<i>Tadorna tadorna</i>) [A048]• Shoveler (<i>Anas clypeata</i>) [A056]• Oystercatcher (<i>Haematopus ostralegus</i>) [A130]• Ringed Plover (<i>Charadrius hiaticula</i>) [A137]• Grey Plover (<i>Pluvialis squatarola</i>) [A141]• Knot (<i>Calidris canutus</i>) [A143]• Dunlin (<i>Calidris alpina</i>) [A149]• Black-tailed Godwit (<i>Limosa limosa</i>) [A156]• Redshank (<i>Tringa totanus</i>) [A162]• Wetland and Waterbirds [A999] <p>To maintain the favourable conservation condition of wetland habitat in Rogerstown Estuary SPA as a resource for the regularly occurring migratory waterbirds that utilise it.</p> <p>The favourable conservation status of a species is achieved when:</p> <ul style="list-style-type: none">• population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats, and• the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future, and• there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis. <p>This is achieved through the conservation of the populations of the listed waterbird Special Conservation Interests from the SPA. In order to achieve this the long term population trend is stable or increasing and there is no significant decrease in the range, timing or intensity of use of areas by the listed waterbird Special Conservation Interests from the SPA, other than that occurring from natural patterns of variation.</p>

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
000199 Baldoyle Bay SAC	5.9km SE	<p>Source: NPWS (2012) Conservation Objectives: Baldoyle Bay SAC 000199. Version 1.0. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the Annex I habitats for which the SAC has been selected:</p> <ul style="list-style-type: none"> • (1140) Mudflats and sandflats not covered by seawater at low tide • (1310) <i>Salicornia</i> and other annuals colonizing mud and sand • (1330) Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) • (1410) Mediterranean salt meadows (<i>Juncetalia maritimi</i>)
004016 Baldoyle Bay SPA	5.9km SE	<p>Source: NPWS (2013) Conservation Objectives: Baldoyle Bay SPA 004016. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046] • Shelduck (<i>Tadorna tadorna</i>) [A048] • Ringed Plover (<i>Charadrius hiaticula</i>) [A137] • Golden Plover (<i>Pluvialis apricaria</i>) [A140] • Grey Plover (<i>Pluvialis squatarola</i>) [A141] • Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157] • Wetland and Waterbirds [A999] <p>To maintain the favourable conservation condition of the wetland habitat in Baldoyle Bay SPA.</p> <p>The favourable conservation status of a species is achieved when:</p> <ul style="list-style-type: none"> • population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats, and • the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future, and

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
		<ul style="list-style-type: none"> • there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis. <p>This is achieved through the conservation of the populations of the listed waterbird Special Conservation Interests from the SPA. In order to achieve this the long term population trend is stable or increasing and there is no significant decrease in the range, timing or intensity of use of areas by the listed waterbird Special Conservation Interests from the SPA, other than that occurring from natural patterns of variation.</p>
000206 North Dublin Bay SAC	8.3km SE	<p>Source: NPWS (2013) Conservation Objectives: North Dublin Bay SAC 000206. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain or restore the favourable conservation condition of the Annex I habitat(s) and/or the Annex II species for which the SAC has been selected:</p> <ul style="list-style-type: none"> • (1140) Mudflats and sandflats not covered by seawater at low tide • (1210) Annual vegetation of drift lines • (1310) <i>Salicornia</i> and other annuals colonizing mud and sand • (1320) <i>Spartina</i> swards (<i>Spartinion maritimae</i>) • (1330) Atlantic salt meadows (<i>Glauco-Puccinellietalia maritimae</i>) • (1395) Petalwort (<i>Petalophyllum ralfsii</i>) • (1410) Mediterranean salt meadows (<i>Juncetalia maritimi</i>) • (2110) Embryonic shifting dunes • (2120) Shifting dunes along the shoreline with <i>Ammophila arenaria</i> (white dunes) • (2130) Fixed coastal dunes with herbaceous vegetation (grey dunes) • (2190) Humid dune slacks
004006 North Bull Island SPA	8.3km S	<p>Source: NPWS (2015) Conservation Objectives: North Bull Island SPA 004006. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046]

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
		<ul style="list-style-type: none"> • Shelduck (<i>Tadorna tadorna</i>) [A048] • Teal (<i>Anas crecca</i>) [A052] • Pintail (<i>Anas acuta</i>) [A054] • Shoveler (<i>Anas clypeata</i>) [A056] • Oystercatcher (<i>Haematopus ostralegus</i>) [A130] • Golden Plover (<i>Pluvialis apricaria</i>) [A140] • Grey Plover (<i>Pluvialis squatarola</i>) [A141] • Knot (<i>Calidris canutus</i>) [A143] • Sanderling (<i>Calidris alba</i>) [A144] • Dunlin (<i>Calidris alpina</i>) [A149] • Black-tailed Godwit (<i>Limosa limosa</i>) [A156] • Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157] • Curlew (<i>Numenius arquata</i>) [A160] • Redshank (<i>Tringa totanus</i>) [A162] • Turnstone (<i>Arenaria interpres</i>) [A169] • Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179] • Wetland and Waterbirds [A999] <p>To maintain the favourable conservation condition of the wetland habitat in North Bull Island SPA.</p> <p>The favourable conservation status of a species is achieved when:</p> <ul style="list-style-type: none"> • population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats, and • the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future, and • there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis. <p>This is achieved through the conservation of the populations of the listed waterbird Special Conservation Interests from the SPA. In order to achieve this the long term population trend is stable or increasing and there is no significant decrease in the range, timing or intensity of use of areas by the listed waterbird Special Conservation Interests from the SPA, other than that occurring from natural patterns of variation.</p>

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
003000 Rockabill to Dalkey Islands SAC	9.3km E	<p>Source: NPWS (2013) Conservation Objectives: Rockabill to Dalkey Island SAC 003000. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the Annex I habitat and the Annex II species for which the SAC has been selected:</p> <ul style="list-style-type: none"> • (1170) Reefs • (1351) Harbour Porpoise (<i>Phocoena phocoena</i>)
004117 Ireland's Eye SPA	10.5km SE	<p>Source: NPWS (2024) Conservation Objectives: Ireland's Eye SPA 004117. Version 1. National Parks and Wildlife Service, Department of Housing, Local Government and Heritage.</p> <p>Accessed 25th June 2025.</p> <p>To maintain or restore the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Cormorant (<i>Phalacrocorax carbo</i>) [A017] • Herring Gull (<i>Larus argentatus</i>) [A184] • Kittiwake (<i>Rissa tridactyla</i>) [A188] • Guillemot (<i>Uria aalge</i>) [A199] • Razorbill (<i>Alca torda</i>) [A200]
002193 Ireland's Eye SAC	10.9km SE	<p>Source: NPWS (2017) Conservation Objectives: Ireland's Eye SAC 002193. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the Annex I habitats for which the SAC has been selected:</p> <ul style="list-style-type: none"> • Perennial vegetation of stony banks [1220] • Vegetated sea cliffs of the Atlantic and Baltic coasts [1230]
004024 South Dublin Bay and River	10.6km S	<p>Source: NPWS (2015) Conservation Objectives: South Dublin Bay and River Tolka Estuary SPA 004024. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p>

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
Tolka Estuary SPA		<p>To maintain the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046] • Oystercatcher (<i>Haematopus ostralegus</i>) [A130] • Ringed Plover (<i>Charadrius hiaticula</i>) [A137] • Grey Plover (<i>Pluvialis squatarola</i>) [A141] • Knot (<i>Calidris canutus</i>) [A143] • Sanderling (<i>Calidris alba</i>) [A144] • Dunlin (<i>Calidris alpina</i>) [A149] • Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157] • Redshank (<i>Tringa totanus</i>) [A162] • Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179] • Roseate Tern (<i>Sterna dougallii</i>) [A192] • Common Tern (<i>Sterna hirundo</i>) [A193] • Arctic Tern (<i>Sterna paradisaea</i>) [A194] • Wetland and Waterbirds [A999] <p>To maintain the favourable conservation condition of wetland habitat in South Dublin and the River Tolka Estuary SPA as a resource for the regularly occurring migratory waterbirds that utilise it.</p> <p>The favourable conservation status of a species is achieved when:</p> <ul style="list-style-type: none"> • population dynamics data on the species concerned indicate that it is maintaining itself on a long-term basis as a viable component of its natural habitats, and • the natural range of the species is neither being reduced nor is likely to be reduced for the foreseeable future, and • there is, and will probably continue to be, a sufficiently large habitat to maintain its populations on a long-term basis. <p>This is achieved through the conservation of the populations of the listed waterbird Special Conservation Interests from the SPA. In order to achieve this the long term population trend is stable or increasing and there is no significant decrease in the range, timing or intensity of use of areas by the listed waterbird Special Conservation Interests from the SPA, other than that occurring from natural patterns of variation.</p>

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
000202 Howth Head SAC	11.7km SE	<p>Source: NPWS (2016) Conservation Objectives: Howth Head SAC 000202. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs.</p> <p>Accessed 25th June 2025.</p> <p>To maintain or restore the favourable conservation condition of the Annex I habitats for which the SAC has been selected:</p> <ul style="list-style-type: none"> • Vegetated sea cliffs of the Atlantic and Baltic coasts [1230] • European dry heaths [4030]
004069 Lambay Island SPA	12.6km NE	<p>Source: NPWS (2024) Conservation Objectives: Lambay Island SPA 004069. Version 1. National Parks and Wildlife Service, Department of Housing, Local Government and Heritage.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Fulmar (<i>Fulmarus glacialis</i>) [A009] • Cormorant (<i>Phalacrocorax carbo</i>) [A017] • Shag (<i>Phalacrocorax aristotelis</i>) [A018] • Greylag Goose (<i>Anser anser</i>) [A043] • Lesser Black-backed Gull (<i>Larus fuscus</i>) [A183] • Herring Gull (<i>Larus argentatus</i>) [A184] • Kittiwake (<i>Rissa tridactyla</i>) [A188] • Guillemot (<i>Uria aalge</i>) [A199] • Razorbill (<i>Alca torda</i>) [A200] • Puffin (<i>Fratercula arctica</i>) [A204]
000210 South Dublin Bay SAC	12.7km S	<p>Source: NPWS (2013) Conservation Objectives: South Dublin Bay SAC 000210. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain or restore the favourable conservation condition of the Annex I habitats for which the SAC has been selected:</p>

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Site Code, Name and Designation	Approximate distance from the proposed development	Qualifying Interests and Conservation Objectives
		<ul style="list-style-type: none"> • Mudflats and sandflats not covered by seawater at low tide [1140] • Annual vegetation of drift lines [1210] • Salicornia and other annuals colonising mud and sand [1310] • Embryonic shifting dunes [2110]
004113 Howth Head Coast SPA	12.9km SE	<p>Source: NPWS (2024) Conservation Objectives: Howth Head Coast SPA 004113. Version 1. National Parks and Wildlife Service, Department of Housing, Local Government and Heritage.</p> <p>Accessed 25th June 2025.</p> <p>To maintain or restore the favourable conservation condition of the bird species listed as Special Conservation Interests for this SPA:</p> <ul style="list-style-type: none"> • Kittiwake (<i>Rissa tridactyla</i>) [A188]
000204 Lambay Island SAC	13km NE	<p>Source: NPWS (2013) Conservation Objectives: Lambay Island SAC 000204. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht.</p> <p>Accessed 25th June 2025.</p> <p>To maintain the favourable conservation condition of the Annex I habitat and the Annex II species for which the SAC has been selected:</p> <ul style="list-style-type: none"> • (1230) Vegetated sea cliffs of the Atlantic and Baltic coasts • (1170) Reefs • (1364) <i>Halichoerus grypus</i> • (1265) <i>Phoca vitulina</i>

Table 4.7. Records of rare, scarce or threatened flora from the 10km square in which the FCC Barrysparks Master Plan lands are located (O14) (data provided by NPWS).

Common Name	Scientific Name	FPO 2022	Location
Red Hemp-Nettle	<i>Galeopsis angustifolia</i>	+	Feltrim
Hairy St John's-wort	<i>Hypericum hirsutum</i>	+	Santry
Yellow Archangel	<i>Lamiastrum galeobdolon</i>		Santry
Hairy Violet	<i>Viola hirta</i>	+	Santry
Meadow Barley	<i>Hordeum secalinum</i>	+	Saucerstown
Meadow Barley	<i>Hordeum secalinum</i>	+	Brackenstown

Table 4.8. Suitability of Habitats for Bats.

Suitability	Description Roosting Habitats	Commuting and Foraging Habitats
Negligible	Negligible habitat features on site likely to be used by roosting bats.	Negligible habitat features on site likely to be used by commuting or foraging bats.
Low	A structure with one or more potential roost sites that could be used by individual bats opportunistically. However, these potential roost sites do not provide enough space, shelter, protection, appropriate conditions and/or suitable surrounding habitat to be used on a regular basis or by larger numbers of bats (i.e. unlikely to be suitable for maternity or hibernation). A tree of sufficient size and age to contain PRFs but with none seen from the ground or features seen with only very limited roosting potential.	Habitat that could be used by small numbers of commuting bats such as gappy hedgerow or un-vegetated stream, but isolated, i.e. not very well connected to the surrounding landscape by other habitat. Suitable, but isolated habitat that could be used by small numbers of foraging bats such as a lone tree (not in a parkland situation) or a patch of scrub.
Moderate	A structure or tree with one or more potential roost sites that could be used by bats due to their size, shelter, protection, conditions and surrounding habitat but unlikely to support a roost of high conservation status (with respect to roost type only- the assessments in this table are made irrespective of species conservation status, which is established after presence is confirmed).	Continuous habitat connected to the wider landscape that could be used by bats for commuting such as lines of trees and scrub or linked back gardens. Habitat that is connected to the wider landscape that could be used by bats for foraging such as trees, scrub, grassland or water.
High	A structure or tree with one or more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their size, shelter, protection, conditions and surrounding habitat.	Continuous, high quality habitat that is well connected to the wider landscape that is likely to be used regularly by commuting bats such as river valleys, streams, hedgerows, lines of trees and woodland edge. High quality habitat that is well

		connected to the wider landscape that is likely to be used regularly by foraging bats such as broadleaved woodland, tree-lined watercourses and grazed parkland. Site is close to and connected to known roosts.
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Table 4.9. Species recorded overall from the FCC Barrysparks and Crowcastle Master Plan lands, illustrating the peak count overall, percentage of visits recorded, together with their Birds of Conservation Concern (BoCCI) status (following Gilbert *et al.* 2021). Species marked by an asterisk are waterbirds, and those marked by double asterisk are specifically listed on at least one of the nearby coastal SPAs (refer to Table 4.13 for further details about the nearby SPAs and their qualifying species). The species recorded from the LRD application site (Section A) are highlighted in blue.

Species	Scientific name	BoCCI status	Peak count	% visits recorded	% visits recorded (Sect. A)	% visits recorded (Sect. B)	% visits recorded (Sect. C)
*Mute Swan	<i>Cygnus olor</i>	A	2	100.0			100.0
*Mallard	<i>Anas platyrhynchos</i>	A	10	88.9	11.1		88.9
Pheasant	<i>Phasianus colchicus</i>		2	22.2	22.2		
*Little Grebe	<i>Tachybaptus ruficollis</i>		2	44.4			44.4
*Grey Heron	<i>Ardea cinerea</i>		2	55.6	11.1	11.1	44.4
Sparrowhawk	<i>Accipiter nisus</i>		1	22.2	22.2		
Buzzard	<i>Buteo buteo</i>		5	77.8	77.8	33.3	33.3
*Moorhen	<i>Gallinula chloropus</i>		6	88.9			88.9
**Oystercatcher	<i>Haematopus ostralegus</i>	R	1	11.1	11.1		
*Lapwing	<i>Vanellus vanellus</i>	R	18	11.1	11.1		
*Snipe	<i>Gallinago gallinago</i>	R	7	100.0	22.2		100.0
**Black-tailed Godwit	<i>Limosa limosa</i>	R	420	44.4	44.4		
**Curlew	<i>Numenius arquata</i>	R	6	33.3	22.2	11.1	
**Redshank	<i>Tringa totanus</i>	R	12	33.3	33.3		
**Black-headed Gull	<i>Chroicocephalus ridibundus</i>	A	30	55.6	55.6		
*Common Gull	<i>Larus canus</i>	A	4	33.3	33.3		
*Herring Gull	<i>Larus argentatus</i>	A	32	88.9	88.9	11.1	66.7
Stock Dove	<i>Columba oenas</i>	R	2	11.1		11.1	
Woodpigeon	<i>Columba palumbus</i>		60	77.8	77.8	66.7	44.4
Collared Dove	<i>Streptopelia decaocto</i>		3	22.2	22.2		
*Kingfisher	<i>Alcedo atthis</i>	A	1	11.1			11.1

Species	Scientific name	BoCCI status	Peak count	% visits recorded	% visits recorded (Sect. A)	% visits recorded (Sect. B)	% visits recorded (Sect. C)
Meadow Pipit	<i>Anthus pratensis</i>	R	6	88.9	22.2	11.1	77.8
Pied Wagtail	<i>Motacilla alba</i>		2	55.6	22.2		44.4
Wren	<i>Troglodytes troglodytes</i>		18	77.8	77.8	66.7	77.8
Dunnock	<i>Prunella modularis</i>		13	77.8	77.8	66.7	77.8
Robin	<i>Erithacus rubecula</i>		12	77.8	77.8	77.8	44.4
Stonechat	<i>Saxicola torquatus</i>		2	22.2	11.1		22.2
Blackbird	<i>Turdus merula</i>		35	77.8	66.7	55.6	66.7
Fieldfare	<i>Turdus pilaris</i>		15	44.4	33.3	33.3	
Song Thrush	<i>Turdus philomelos</i>		11	66.7	44.4	44.4	44.4
Redwing	<i>Turdus iliacus</i>	R	49	55.6	55.6	33.3	11.1
Mistle Thrush	<i>Turdus viscivorus</i>		3	55.6	33.3	11.1	11.1
Goldcrest	<i>Regulus regulus</i>	A	2	11.1	11.1		
Blue Tit	<i>Cyanistes caeruleus</i>		7	77.8	55.6	22.2	55.6
Great Tit	<i>Parus major</i>		2	44.4	33.3	22.2	
Magpie	<i>Pica pica</i>		21	77.8	66.7	66.7	44.4
Jackdaw	<i>Corvus monedula</i>		14	44.4	44.4	11.1	
Rook	<i>Corvus frugilegus</i>		7	44.4	33.3		22.2
Hooded Crow	<i>Corvus cornix</i>		18	77.8	66.7	55.6	55.6
Starling	<i>Sturnus vulgaris</i>	A	81	77.8	77.8	11.1	33.3
House Sparrow	<i>Passer domesticus</i>	A	5	44.4	33.3		11.1
Chaffinch	<i>Fringilla coelebs</i>		4	55.6	44.4	22.2	11.1
Greenfinch	<i>Chloris chloris</i>	A	7	66.7	33.3	44.4	22.2
Goldfinch	<i>Carduelis carduelis</i>		22	66.7	66.7	55.6	55.6
Linnet	<i>Carduelis cannabina</i>	A	7	55.6	44.4	22.2	44.4
Redpoll	<i>Carduelis flammea</i>	A	1	11.1		11.1	
Bullfinch	<i>Pyrrhula pyrrhula</i>		1	11.1	11.1		
Yellowhammer	<i>Emberiza citrinella</i>	R	1	12.5			11.1
Reed Bunting	<i>Emberiza schoeniclus</i>		5	25.0			33.3

Table 4.10. Total waterbirds and total number of waterbird species recorded during each survey session within the FCC Barrysparks and Crowscastle Master Plan lands.

Date	Total waterbirds	Total waterbird species
29/11/2022	28	10
12/12/2022	16	7
06/01/2023	509	11

20/01/2023	84	10
13/02/2023	112	10
22/02/2023	17	4
07/03/2023	15	6
20/03/2023	48	8
03/04/2023	46	6

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Table 4.11. Waterbird species recorded on the northern FCC Barrysparks Master Plan lands together with the frequency of records, peak counts and their Birds of Conservation Concern status (Gilbert *et al.* 2021). Species represented by asterisks are specifically listed as Special Conservation Interest (SCI) species of nearby SPAs.

Common name	Scientific name	Code	BoCCI 2020-26	No. of counts	Peak count
Mallard	<i>Anas platyrhynchos</i>	MA	A	3	2
Little Egret	<i>Egretta garzetta</i>	ET		1	1
Grey Heron	<i>Ardea cinerea</i>	H.		1	1
Lapwing	<i>Vanellus vanellus</i>	L.	R	1	4
Black-tailed Godwit*	<i>Limosa limosa</i>	BW	R	7	420
Ruff	<i>Calidris pugnax</i>	RU	A	1	1
Redshank*	<i>Tringa totanus</i>	RK	R	5	16
Black-headed Gull*	<i>Chroicocephalus ridibundus</i>	BH	A	13	36
Common Gull*	<i>Larus canus</i>	CM	A	6	25
Lesser Black-backed Gull*	<i>Larus fuscus</i>	LB	A	3	2
Herring Gull*	<i>Larus argentatus</i>	HG	A	19	31
Great Black-backed Gull*	<i>Larus marinus</i>	GB		3	1

Table 4.12. Waterbird species recorded on the site during 2024/2025 together with the frequency of records, peak counts and their Birds of Conservation Concern status (Gilbert *et al.* 2021).

Common Name	Scientific Name	Code	BoCCI 2020-26	Number of Counts	Peak Count
Grey Heron	<i>Ardea cinerea</i>	H.		1	1
Snipe	<i>Gallinago gallinago</i>	SN	R	2	4

Table 4.13: Qualifying interests (Species of Conservation Interest) of nearby SPAs. Species of Conservation Interest recorded on the FCC Barrysparks Master Plan lands during the waterbird surveys are represented by an asterisk and are highlighted in bold.

Species of Conservation Interest (Qualifying Interest)	Scientific Name	Malahide Estuary SPA 004025	Rogerstown Estuary SPA 004015	Baldoyle Bay SPA 004016	North Bull Island SPA 004006	South Dublin Bay and River Tolka Estuary SPA 004024	North West Irish Sea SPA 004236
Red-throated Diver	<i>Gavia stellata</i>						Y
Great Northern Diver	<i>Gavia immer</i>						Y
Fulmar	<i>Fulmarus glacialis</i>						Y
Manx Shearwater	<i>Puffinus puffinus</i>						Y
Cormorant	<i>Phalacrocorax carbo</i>						Y
Shag	<i>Phalacrocorax aristotelis</i>						Y
Common Scoter	<i>Melanitta nigra</i>						Y
Great Crested Grebe	<i>Podiceps cristatus</i>	Y					
Greylag Goose	<i>Anser anser</i>		Y				
Light-bellied Brent Goose	<i>Branta bernicla hrota</i>	Y	Y	Y	Y	Y	
Shelduck	<i>Tadorna tadorna</i>	Y	Y	Y	Y		
Teal	<i>Anas crecca</i>				Y		
Pintail	<i>Anas acuta</i>	Y			Y		
Shoveler	<i>Anas clypeata</i>		Y		Y		
Goldeneye	<i>Bucephala clangula</i>	Y					
Red-breasted Merganser	<i>Mergus serrator</i>	Y					

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Species of Conservation Interest (Qualifying Interest)	Scientific Name	Malahide Estuary SPA 004025	Rogerstown Estuary SPA 004015	Baldoyle Bay SPA 004016	North Bull Island SPA 004006	South Dublin Bay and River Tolka Estuary SPA 004024	North West Irish Sea SPA 004236
Oystercatcher	<i>Haematopus ostralegus</i>	Y	Y		Y	Y	
Ringed Plover	<i>Charadrius hiaticula</i>		Y	Y		Y	
Golden Plover	<i>Pluvialis apricaria</i>	Y		Y	Y		
Grey Plover	<i>Pluvialis squatarola</i>	Y	Y	Y	Y	Y	
Knot	<i>Calidris canutus</i>	Y	Y		Y	Y	
Sanderling	<i>Calidris alba</i>				Y	Y	
Dunlin	<i>Calidris alpina</i>	Y	Y		Y		
*Black-tailed Godwit	<i>Limosa limosa</i>	Y	Y		Y		
Bar-tailed Godwit	<i>Limosa lapponica</i>	Y		Y		Y	
Curlew	<i>Numenius arquata</i>				Y		
*Redshank	<i>Tringa totanus</i>	Y	Y		Y	Y	
Turnstone	<i>Arenaria interpres</i>				Y		
Little Gull	<i>Larus minutus</i>						Y
*Black-headed Gull	<i>Chroicocephalus ridibundus</i>				Y	Y	Y
*Common Gull	<i>Larus canus</i>						Y
*Lesser Black-backed Gull	<i>Larus fuscus</i>						Y
*Herring Gull	<i>Larus argentatus</i>						Y

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Species of Conservation Interest (Qualifying Interest)	Scientific Name	Malahide Estuary SPA 004025	Rogerstown Estuary SPA 004015	Baldoyle Bay SPA 004016	North Bull Island SPA 004006	South Dublin Bay and River Tolka Estuary SPA 004024	North West Irish Sea SPA 004236
*Great Black-backed Gull	<i>Larus marinus</i>						Y
Kittiwake	<i>Rissa tridactyla</i>						Y
Roseate Tern	<i>Sterna dougallii</i>					Y	Y
Common Tern	<i>Sterna hirundo</i>					Y	Y
Arctic Tern	<i>Sterna paradisaea</i>					Y	Y
Little Tern	<i>Sterna albifrons</i>						Y
Guillemot	<i>Uria aalge</i>						Y
Razorbill	<i>Alca torda</i>						Y
Puffin	<i>Fratercula arctica</i>						Y
*Wetland and Waterbirds		Y	Y	Y	Y	Y	

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