available to handle waste generated from a large number of these sites simultaneously, if required. Similar waste materials would be generated by all the developments.

Other developments in the area will be required to manage waste in compliance with national and local legislation, policies and plans which will mitigate against any potential cumulative effects associated with waste generation and waste management. As such the effect will be **short-term, imperceptible** and neutral.

8.7.2 OPERATIONAL PHASE

There will be no cumulative impacts from the operational phase of this development as there is no operational waste being generated.

8.8 INTERACTIONS

This section discusses interactions between this Section and other specialist environmental topics considered in this EIAR.

8.8.1 LAND, SOILS, GEOLOGY & HYDROGEOLOGY

During the construction phase, excavated soil and stones (c. 3,950m³) will be generated from the excavations required to facilitate site levelling and construction of new foundations. It is anticipated that the excavated material will need to be removed off-site. Adherence to the proposed mitigation measures and the requirements of the RWMP (appended), will ensure the effect is *long-term*, *imperceptible* and *neutral*.

8.8.2 POPULATION AND HUMAN HEALTH

The potential impacts on human beings are in relation to incorrect management of waste during construction phase, which could result in littering and presence of vermin – with associated potential for negative impacts on human health and residential amenity. A carefully planned approach to waste management and adherence to the project specific RWMP (appended), and the proposed mitigation measures, will ensure appropriate management of waste and avoid any negative impacts on the local population. The effects should be *long-term, imperceptible* and *neutral*.

8.9 REFERENCES

- 1. Waste Management Act 1996 (No. 10 of 1996) as amended.
- 2. BS 5906:2005 Waste Management in Buildings Code of Practice.
- 3. Council Decision 2003/33/EC, establishing criteria and procedures for the acceptance of waste at landfills pursuant to Article 16 of and Annex II to Directive 1999/31/EC.
- 4. Department of Communications, Climate Action and Environment (DCCAE), Waste Action Plan for the Circular Economy Ireland's National Waste Policy 2020-2025 (2020).
- 5. Department of Environment and Local Government (DELG) (1998). Waste Management Changing Our Ways, A Policy Statement.
- 6. Department of Environment, Communities and Local Government (DECLG) (2012). A Resource Opportunity Waste Management Policy in Ireland.
- 7. Fingal County Council (FCC) (Segregation Storage, Presentation and of Household and Commercial Waste) Bye-Laws (2020).
- 8. FCC, Fingal County Development Plan 2017 2023 (2017).
- 9. FCC, Draft Fingal County Development Plan 2023 2029 (2022).
- 10. Department of Environment, Heritage and Local Government (DEHLG) (2020). Sustainable Urban Housing: Design Standards for New Apartments, Guidelines for Planning Authorities.
- 11. Environmental Protection Agency (EPA) 'Best Practice Guidelines for the Preparation of Resource Management Plans for Construction & Demolition Projects' (2021)
- 12. Department of Environment, Heritage and Local Government (DEHLG) (2006). Best Practice Guidelines on the Preparation of Waste Management Plans for Construction and Demolition Projects.
- 13. Eastern Midlands Regional Waste Management Plan 2015-2021 (2015).
- 14. Environmental Protection Agency (EPA). National Waste Database Reports 1998-2019.
- 15. EPA (2015). Waste Classification-List of Waste & Determining if Waste is Hazardous or Non-Hazardous.
- 16. EPA and Galway-Mayo Institute of Technology (GMIT) (2015). EPA Research Report 146-A Review of Design and Construction Waste Management Practices in Selected Case Studies-Lessons Learned.
- 17. FÁS and the Construction Industry Federation (CIF) (2002). Construction and Demolition Waste Management-a handbook for Contractors and Site Managers.
- 18. Forum for the Construction Industry-Recycling of Construction and Demolition Waste.
- 19. Litter Pollution Act 1997 (S.I. No. 12 of 1997) as amended.
- 20. Planning and Development Act 2000 (S.I. No. 30 of 2000) as amended.
- 21. Protection of the Environment Act 2003, (No. 27 of 2003) as amended.
- 22. European Commission, Environmental Impact Assessment of Projects: Guidance on the preparation of the Environmental Impact Assessment Report (2017).
- 23. Environmental Protection Agency (EPA) 'Guidelines on the information to be contained in Environmental Impact Assessment Reports' (2022)

9 ARCHAEOLOGY

The archaeological assessment is included as Appendix 9 to this ER.

ER APPENDIX 3

Appendix 3.1

Natura 2000 Sites, Natural Heritage Areas and proposed Natural Heritage Areas within 15km of the proposed development site (arranged by distance from proposed sites).

Site Code	Site Name	Distance	Site Type
002103	Royal Canal pNHA	3.63	pNHA
000128	Liffey Valley pNHA	5.02	pNHA
000178	Santry Demesne pNHA	5.08	pNHA
001398	Rye Water Valley/Carton SAC	8.67	SAC
001208	Feltrim Hill pNHA	8.97	pNHA
002104	Grand Canal pNHA	9.31	pNHA
000206	North Dublin Bay pNHA	9.38	pNHA
004024	South Dublin Bay and River Tolka Estuary SPA	9.51	SPA
000205	Malahide Estuary SAC	9.65	SAC
000205	Malahide Estuary pNHA	9.65	pNHA
004025	Malahide Estuary SPA	9.74	SPA
000206	North Dublin Bay SAC	11.83	SAC
004006	North Bull Island SPA	11.83	SPA
001763	Sluice River Marsh pNHA	11.84	pNHA
000210	South Dublin Bay SAC	12.19	SAC
000210	South Dublin Bay pNHA	12.19	pNHA
000201	Dolphins, Dublin Docks pNHA	12.35	pNHA
000199	Baldoyle Bay SAC	12.48	SAC
004016	Baldoyle Bay SPA	12.48	SPA
000199	Baldoyle Bay pNHA	12.48	pNHA
001398	Rye Water Valley/Carton pNHA	12.48	pNHA
000208	Rogerstown Estuary pNHA	12.49	pNHA
000208	Rogerstown Estuary SAC	12.50	SAC
004015	Rogerstown Estuary SPA	13.16	SPA
000991	Dodder Valley pNHA	14.34	pNHA
001205	Booterstown Marsh pNHA	14.77	pNHA

Appendix 3.2

The National Biodiversity Centre 10km hectads O14 & O04 displayed below, contains the proposed development on the Liffey.

National Biodiversity Data Centre hectad O14^{19,20},

© Ordganos Survey Ireland

National Biodiversity Data Centre

Description of Survey Ireland

National Biodiversity Data Centre

Description of Survey Ireland

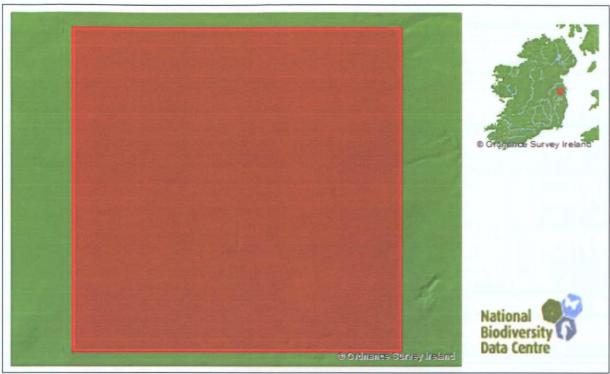
National Biodiversity Data Centre hectad 00421,22.

¹⁹ National Biodiversity Data Centre records. Accessed: 9th August 2022.

²⁰ Image: NBDC Maps database

²¹ National Biodiversity Data Centre records. Accessed: 9th August 2022.

²² Image: NBDC Maps database



Invasive species records for the O14 & O04 hectads 19 relevant to the proposed development site.

^{*} Species subject to restrictions (Third Schedule) under Regulation 49 of the European Communities (Birds and Natural Habitats) Regulations, 2011
No invasive species recorded during ecological site visit on 3rd February 2022.

Common name	Scientific name	Record count
American mink*	Mustela vison	4
Arthurdendyus triangulatus	Arthurdendyus triangulatus	2
Australoplana sanguinea	Australoplana sanguinea	2
Brown rat* (Offshore Islands Only)	Rattus norvegicus	5
Butterfly-bush	Buddleja davidii	13
Canadian Fleabane	Conyza canadensis	1
Cherry Laurel	Prunus laurocerasus	7
Common cord-grass*	Spartina anglica	1
Eastern Grey squirrel*	Sciurus carolinensis	19
European Rabbit	Oryctolagus cuniculus	32
Evergreen Oak	Quercus ilex	1
Giant hogweed*	Heracleum mantegazzianum	6
Harlequin Ladybird*	Harmonia axyridis	1
Himalayan Honeysuckle	Leycesteria formosa	3
House Mouse	Mus musculus	1

Common name	Scientific name	Record count
Japanese knotweed*	Fallopia japonica	6
Jenkins' Spire Snail	Potamopyrgus antipodarum	14
Red-eared Terrapin	Trachemys scripta	1
Ruddy duck*	Oxyura jamaicensis	1
Russian-vine	Fallopia baldschuanica	2
Sika Deer	Cervus nippon	1
Sycamore	Acer pseudoplatanus	18
Three-cornered leek*	Allium triquetrum	2
Wild Parsnip	Pastinaca sativa	1

Rare and/or protected species know to occur within the O14 & O04 hectads¹⁹ containing the proposed development site (arranged by taxonomic group)

Taxonomic group	Common name	Scientific name	Designation	Record count
amphibian	Common Frog	Rana temporaria	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex V Protected Species: Wildlife Acts	18
amphibian	Smooth Newt	Lissotriton vulgaris	Protected Species: Wildlife Acts	4
bird	Barn Owl	Tyto alba	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Red List	8
bird	Barn Swallow	Hirundo rustica	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	34
bird	Bar-tailed Godwit	Limosa lapponica	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern >> Birds of Conservation Concern - Amber List	3
bird	Black- headed Gull	Larus ridibundus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Red List	20

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	Black-tailed Godwit	Limosa limosa	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	6
bird	Brent Goose	Branta bernicla	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	3
bird	Common Coot	Fulica atra	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section II Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern -> Birds of Conservation Concern - Amber List	13
bird	Common Goldeneye	Bucephala clangula	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section II Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern -> Amber List	2
bird	Common Grasshopp er Warbler	Locustella naevia	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	3
bird	Common Greenshan k	Tringa nebularia	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	4
bird	Common Kestrel	Falco tinnunculus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	25
bird	Common Kingfisher	Alcedo atthis	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern -> Birds of Conservation Concern - Amber List	12

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	Common Linnet	Carduelis cannabina	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	25
bird	Common Pheasant	Phasianus colchicus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section I Bird Species	31
bird	Common Pochard	Aythya ferina	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section II Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern - Amber List	3
bird	Common Redshank	Tringa totanus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Red List	10
bird	Common Sandpiper	Actitis hypoleucos	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	4
bird	Common Shelduck	Tadorna tadorna	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	11
bird	Common Snipe	Gallinago gallinago	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section III Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern -> Birds of Conservation Concern - Amber List	8
bird	Common Starling	Sturnus vulgaris	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	50

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	Common Swift	Apus apus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	19
bird	Common Tern	Sterna hirundo	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	1
bird	Common Wood Pigeon	Columba palumbus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section I Bird Species	57
bird	Corn Crake	Crex crex	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern - Red List	3
bird	Dunlin	Calidris alpina	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern -> Birds of Conservation Concern - Amber List	5
bird	Eurasian Curlew	Numenius arquata	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section II Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern -> Red List	11
bird	Eurasian Oystercatc her	Haematopus ostralegus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	6
bird	Eurasian Teal	Anas crecca	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section II Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern -> Birds of Conservation Concern - Amber List	6

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	Eurasian Tree Sparrow	Passer montanus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	25
bird	Eurasian Wigeon	Anas penelope	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section II Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern - Amber List	2
bird	Eurasian Woodcock	Scolopax rusticola	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section III Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern - Amber List	5
bird	European Golden Plover	Pluvialis apricaria	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Protected Species: EU Birds Directive >> Annex II, Section II Bird Species Protected Species: EU Birds Directive >> Annex III, Section III Bird Species Protected Species: EU Birds Directive >> Annex III, Section III Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern -> Red List	8
bird	Great Black- backed Gull	Larus marinus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	6
bird	Great Cormorant	Phalacrocora x carbo	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	6
bird	Great Crested Grebe	Podiceps cristatus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	2

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	Greater Scaup	Aythya marila	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section II Bird Species Protected Species: EU Birds Directive >> Annex III, Section III Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern -> Birds of Conservation Concern - Amber List	2
bird	Grey Partridge	Perdix perdix	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern - Red List	3
bird	Grey Plover	Pluvialis squatarola	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	2
bird	Hen Harrier	Circus cyaneus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern >> Birds of Conservation Concern - Amber List	1
bird	Herring Gull	Larus argentatus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Red List	12
bird	House Martin	Delichon urbicum	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	28
bird	House Sparrow	Passer domesticus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	49
bird	Lesser Black- backed Gull	Larus fuscus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	8

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	Little Egret	Egretta garzetta	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species	11
bird	Little Grebe	Tachybaptus ruficollis	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	14
bird	Little Gull	Larus minutus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species	2
bird	Mallard	Anas platyrhyncho s	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section I Bird Species	26
bird	Mediterran ean Gull	Larus melanocepha lus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern - Amber List	1
bird	Mew Gull	Larus canus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	9
bird	Mute Swan	Cygnus olor	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	31
bird	Northern Goshawk	Accipiter gentilis	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	1
bird	Northern Lapwing	Vanellus vanellus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section II Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Red List	25
bird	Northern Wheatear	Oenanthe oenanthe	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	3

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	Peregrine Falcon	Falco peregrinus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species	9
bird	Pink-footed Goose	Anser brachyrhync hus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section II Bird Species	1
bird	Red Kite	Milvus milvus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	2
bird	Red Knot	Calidris canutus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Red List	4
bird	Red- breasted Merganser	Mergus serrator	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section II Bird Species	2
bird	Rock Pigeon	Columba livia	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species	26
bird	Ruddy Duck	Oxyura jamaicensis	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species >> EU Regulation No. 1143/2014 Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	1
bird	Ruff	Philomachus pugnax	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	4
bird	Sand Martin	Riparia riparia	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	6
bird	Short- eared Owl	Asio flammeus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern - Amber List	2

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	Sky Lark	Alauda arvensis	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	17
bird	Slavonian Grebe	Podiceps auritus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	1
bird	Snowy Owl	Bubo scandiaca	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	1
bird	Spotted Flycatcher	Muscicapa striata	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	10
bird	Stock Pigeon	Columba oenas	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	25
bird	Tufted Duck	Aythya fuligula	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section I Bird Species Protected Species: EU Birds Directive >> Annex III, Section II Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Conservation Concern -> Birds of Conservation Concern - Amber List	11
bird	Twite	Carduelis flavirostris	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Red List	1
bird	Velvet Scoter	Melanitta fusca	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex II, Section II Bird Species	2
bird	Water Rail	Rallus aquaticus	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	2

Taxonomic group	Common name	Scientific name	Designation	Record count
bird	White- tailed Eagle	Haliaeetus albicilla	Protected Species: Wildlife Acts	1
bird	Whooper Swan	Cygnus cygnus	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Amber List	3
bird	Wood Lark	Lullula arborea	Protected Species: Wildlife Acts	1
bird	Yellowham mer	Emberiza citrinella	Protected Species: Wildlife Acts Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern >> Birds of Conservation Concern - Red List	35
bird	Merlin	Falco columbarius	Protected Species: Wildlife Acts Protected Species: EU Birds Directive Protected Species: EU Birds Directive >> Annex I Bird Species Threatened Species: Birds of Conservation Concern Threatened Species: Birds of Conservation Concern - Amber List	2
bony fish (Actinoptery gii)	European Eel	Anguilla anguilla	Threatened Species: OSPAR Convention Threatened Species: Critically Endangered	2
flatworm (Turbellaria)	Australopla na sanguinea	Australoplan a sanguinea	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	2
Flatworm (Turbellaria)	Arthurdend yus triangulatu s	Arthurdendy us triangulatus	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species	2
flowering plant	Blue Fleabane	Erigeron acer	Threatened Species: Endangered	1
flowering plant	Butterfly- bush	Buddleja davidii	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	13
flowering plant	Canadian Fleabane	Conyza canadensis	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	1
flowering plant	Cherry Laurel	Prunus laurocerasus	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species	7

Taxonomic group	Common name	Scientific name	Designation	Record count
flowering plant	Common Cord-grass	Spartina anglica	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	1
flowering plant	Evergreen Oak	Quercus ilex	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	1
flowering plant	Giant Hogweed	Heracleum mantegazzia num	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	6
flowering plant	Himalayan Honeysuckl e	Leycesteria formosa	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	3
flowering plant	Japanese Knotweed	Fallopia japonica	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	6
flowering plant	Meadow Barley	Hordeum secalinum	Threatened Species: Endangered	7
flowering plant	Russian- vine	Fallopia baldschuanic a	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	2
flowering plant	Smooth Brome	Bromus racemosus	Threatened Species: Vulnerable	1
flowering plant	Sycamore	Acer pseudoplata nus	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	18
flowering plant	Three- cornered Garlic	Allium triquetrum	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	2
flowering plant	Wild Parsnip	Pastinaca sativa	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	1
insect - beetle (Coleoptera)	Bagous	Hydronomus alismatis	Threatened Species: Critically Endangered	1
insect - beetle (Coleoptera)	Gyrinus urinator	Gyrinus urinator	Threatened Species: Near threatened	1
insect - beetle (Coleoptera)	Nebrioporu s	Nebrioporus depressus	Threatened Species: Data deficient	1

Taxonomic group	Common name	Scientific name	Designation	Record count
insect - beetle (Coleoptera)	Harlequin Ladybird	Harmonia axyridis	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	1
insect - butterfly	Grayling	Hipparchia semele	Threatened Species: Near threatened	1
insect - butterfly	Marsh Fritillary	Euphydryas aurinia	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex II Threatened Species: Vulnerable	2
insect - butterfly	Wall	Lasiommata megera	Threatened Species: Endangered	2
insect - hymenopter an	Andrena	Melandrena nigroaenea	Threatened Species: Vulnerable	3
insect - hymenopter an	Bombus	Bombus magnus	Threatened Species: Data deficient	1
insect - hymenopter an	Large Red Tailed Bumble Bee	Bombus Melanobomb us lapidarius	Threatened Species: Near threatened	24
insect - hymenopter an	Moss Carder-bee	Bombus Thoracombu s muscorum	Threatened Species: Near threatened	5
insect - hymenopter an	Red-tailed Carder Bee	Bombus Thoracombu s ruderarius	Threatened Species: Vulnerable	2
insect - mayfly (Ephemeropt era)	Ephemerell a notata	Ephemerella notata	Threatened Species: Endangered	2
liverwort	Fairy Beads	Microlejeune a ulicina	Threatened Species: Least concern	1
liverwort	MacKay's Pouncewor t	Marchesinia mackaii	Threatened Species: Least concern	1
liverwort	Minute Pouncewor t	Cololejeunea minutissima	Threatened Species: Least concern	1
liverwort	Rock Pouncewor t	Cololejeunea calcarea	Threatened Species: Least concern	1
liverwort	Rossetti's Pouncewor	Cololejeunea rossettiana	Threatened Species: Least concern	2

Taxonomic group	Common name	Scientific name	Designation	Record count
liverwort	Toothed Pouncewor t	Drepanolejeu nea hamatifolia	Threatened Species: Least concern	1
liverwort	Dilated Scalewort	Frullania dilatata	Threatened Species: Least concern	1
marine mammal	Common Seal	Phoca vitulina	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex II Protected Species: EU Habitats Directive >> Annex V Protected Species: Wildlife Acts	2
mollusc	Jenkins' Spire Snail	Potamopyrgu s antipodarum	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	14
mollusc	Lake Orb Mussel	Musculium lacustre	Threatened Species: Vulnerable	1
mollusc	Mauge's Shelled Slug	Testacella Testacella maugei	Threatened Species: Near threatened	1
mollusc	Moss Chrysalis Snail	Pupilla Pupilla muscorum	Threatened Species: Endangered	1
moss	Archangelic Thread- moss	Bryum archangelicu m	Threatened Species: Least concern	1
moss	Bird's-claw Beard- moss	Barbula unguiculata	Threatened Species: Least concern	2
moss	Bryum dichotomu m	Bryum dichotomum	Threatened Species: Least concern	2
moss	Common Cord-moss	Funaria hygrometrica	Threatened Species: Least concern	1
moss	Common Extinguishe r-moss	Encalypta vulgaris	Threatened Species: Near threatened	2
moss	Common Feather- moss	Eurhynchium praelongum	Threatened Species: Least concern	1
moss	Common Pottia	Tortula truncata	Threatened Species: Least concern	1
moss	Crimson- tuber Thread- moss	Bryum rubens	Threatened Species: Least concern	1

Taxonomic group	Common name	Scientific name	Designation	Record count
moss	Field Forklet- moss	Dicranella staphylina	Threatened Species: Least concern	1
moss	Intermedia te Screw- moss	Syntrichia intermedia	Threatened Species: Least concern	1
moss	Lateral Cryphaea	Cryphaea heteromalla	Threatened Species: Least concern	1
moss	Lesser Bird's-claw Beard- moss	Barbula convoluta	Threatened Species: Least concern	2
moss	Pea Bryum	Bryum ruderale	Threatened Species: Least concern	1
moss	Pill Bryum	Bryum violaceum	Threatened Species: Least concern	1
moss	Pink-fruited Thread- moss	Pohlia melanodon	Threatened Species: Least concern	1
moss	Pointed Spear- moss	Calliergonella cuspidata	Threatened Species: Least concern	2
moss	Raspberry Bryum	Bryum klinggraeffii	Threatened Species: Least concern	1
moss	Rigid Aloe- moss	Aloina rigida	Threatened Species: Regionally Extinct	1
moss	Rough- stalked Feather- moss	Brachytheciu m rutabulum	Threatened Species: Least concern	2
moss	Rusty Feather- moss	Sciuro- hypnum plumosum	Threatened Species: Least concern	1
moss	Sausage Beard- moss	Didymodon tomaculosus	Threatened Species: Vulnerable	2
moss	Schreber's Forklet- moss	Dicranella schreberiana	Threatened Species: Least concern	1
moss	Shaw's Bristle- moss	Orthotrichum striatum	Threatened Species: Least concern	1
moss	Silver-moss	Bryum argenteum	Threatened Species: Least concern	2

Taxonomic group	Common name	Scientific name	Designation	Record count
moss	Small Hairy Screw- moss	Syntrichia laevipila	Threatened Species: Least concern	2
moss	Swartz's Feather- moss	Oxyrrhynchiu m hians	Threatened Species: Least concern	1
moss	Variable Forklet- moss	Dicranella varia	Threatened Species: Least concern	1
moss	Anomalous Bristle- moss	Orthotrichum anomalum	Threatened Species: Least concern	1
moss	Capillary Thread- moss	Bryum capillare	Threatened Species: Least concern	1
moss	Common Tamarisk- moss	Thuidium tamariscinu m	Threatened Species: Least concern	1
moss	Cylindric Beard- moss	Didymodon insulanus	Threatened Species: Least concern	1
moss	Fallacious Beard- moss	Didymodon fallax	Threatened Species: Least concern	1
moss	Fern- leaved Hook-moss	Cratoneuron filicinum	Threatened Species: Least concern	1
moss	Flat Neckera	Neckera complanata	Threatened Species: Least concern	1
moss	Great Plait- moss	Hypnum lacunosum var. lacunosum	Threatened Species: Least concern	1
moss	Grey- cushioned Grimmia	Grimmia pulvinata	Threatened Species: Least concern	1
moss	Lyell's Bristle- moss	Orthotrichum Iyellii	Threatened Species: Least concern	1
moss	Neat Feather- moss	Scleropodiu m purum	Threatened Species: Least concern	1
moss	Redshank	Ceratodon purpureus	Threatened Species: Least concern	1

Taxonomic group	Common name	Scientific name	Designation	Record count
moss	Rigid Beard- moss	Didymodon rigidulus	Threatened Species: Least concern	1
moss	Silky Wall Feather- moss	Homalotheci um sericeum	Threatened Species: Least concern	1
moss	Springy Turf-moss	Rhytidiadelp hus squarrosus	Threatened Species: Least concern	1
moss	Supine Plait-moss	Hypnum cupressiform e var. resupinatum	Threatened Species: Least concern	1
moss	Wall Screw- moss	Tortula muralis	Threatened Species: Least concern	1
moss	White- tipped Bristle- moss	Orthotrichum diaphanum	Threatened Species: Least concern	1
moss	Zygodon viridissimus var. viridissimus	Zygodon viridissimus var. viridissimus	Threatened Species: Least concern	1
reptile	Red-eared Terrapin	Trachemys scripta	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species Invasive Species: Invasive Species >> EU Regulation No. 1143/2014	1
terrestrial mammal	American Mink	Mustela vison	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	4
terrestrial mammal	Brown Long-eared Bat	Plecotus auritus	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	4
terrestrial mammal	Brown Rat	Rattus norvegicus	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	5
terrestrial mammal	Daubenton' s Bat	Myotis daubentonii	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	25

Taxonomic group	Common name	Scientific name	Designation	Record count
terrestrial mammal	Eastern Grey Squirrel	Sciurus carolinensis	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species: Invasive Species >> EU Regulation No. 1143/2014 Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland)	19
terrestrial mammal	Eurasian Badger	Meles meles	Protected Species: Wildlife Acts	24
terrestrial mammal	Eurasian Pygmy Shrew	Sorex minutus	Protected Species: Wildlife Acts	4
terrestrial mammal	Eurasian Red Squirrel	Sciurus vulgaris	Protected Species: Wildlife Acts	1
terrestrial mammal	European Otter	Lutra lutra	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex II Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	20
terrestrial mammal	European Rabbit	Oryctolagus cuniculus	Invasive Species: Invasive Species Invasive Species: Invasive Species >> Medium Impact Invasive Species	32
terrestrial mammal	Irish Hare	Lepus timidus subsp. hibernicus	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex II Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	114
terrestrial mammal	Irish Stoat	Mustela erminea subsp, hibernica	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex II Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	4
terrestrial mammal	Lesser Noctule	Nyctalus leisleri	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	40
terrestrial mammal	Natterer's Bat	Myotis nattereri	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	9
terrestrial mammal	Pine Marten	Martes martes	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex V Protected Species: Wildlife Acts	5
terrestrial mammal	Pipistrelle	Pipistrellus pipistrellus sensu lato	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	37
terrestrial mammal	Soprano Pipistrelle	Pipistrellus pygmaeus	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	26

Taxonomic group	Common name	Scientific name	Designation	Record count
terrestrial mammal	West European Hedgehog	Erinaceus europaeus	Protected Species: Wildlife Acts	74
terrestrial mammal	House Mouse	Mus musculus	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species	1
terrestrial mammal	Red Deer	Cervus elaphus	Protected Species: Wildlife Acts	1
terrestrial mammal	Sika Deer	Cervus nippon	Invasive Species: Invasive Species Invasive Species: Invasive Species >> High Impact Invasive Species Invasive Species: Invasive Species: Invasive Species >> Regulation S.I. 477 (Ireland) Protected Species: Wildlife Acts	1
terrestrial mammal	Whiskered Bat	Myotis mystacinus	Protected Species: EU Habitats Directive Protected Species: EU Habitats Directive >> Annex IV Protected Species: Wildlife Acts	1



Appendix 3.3

Habitat characteristics and descriptions from the ecological site visit to the proposed development site referred to in Section 3.2 as well as Figure 3.5 of this assessment. These habitat types were identified and categorised following the Fossitt (2000)²³ classification system for Ireland. Given the extent of the site, lack of habitat diversity and dominance of two habitat types (agricultural grassland and buildings and artificial surfaces), these habitat types are given a brief text description, followed by a table listing all plants found in those habitats and supported by the habitat maps replicated below.

Habitat types within the project boundary of the site

Agricultural Grassland (GA1)

Dominant habitat type in the area where the field margins are maintained to be wide with hedgerows (WL1). Fields which have not been recently sown or harvested are overgrown and left fallow with significant scrub encroachment from the field boundary.

Scientific name	Common name		
Lolium perenne	Perennial Ryegrass		
Urtica dioica	Nettle		
Epilobium hirsutum	Willowherb		
Arrhenatherum elatius	False Oat Grass		
Potentilla spp.	Cinquefoil		
Cornus spp.	Dogwood		
Fraxinus excelsior	Ash		
Rubus fruticosus	Bramble		
Geranium robertianum	Herb Robert		
Carex spp.	Willow		

Scrub (WS1)

Area of scrub to the north of the proposed location of the GIS substation where bramble is the dominant species.

Scientific name	Common name	
Rubus fruticosus	Brambles	
Lolium perenne	Perennial Ryegrass	
Buddleja davidii	Butterfly Bush	

Hedgerows (WL1)

The majority of hedgerows around the site all have similar composition and are thin and sparse. The hedgerow to the north of the site is more mature and of a higher ecological value. The dominant species in the hedgerows are hawthorn and bramble.

Scientific name	Common name
Rubus fruticosus	Brambles
Hedera helix	Ivy
Crataegus spp.	Hawthorn
Fraxinus excelsior	Ash
Acer pseudoplatanus	Sycamore
Pinus sylvestris	Scots Pine
Heracleum mantegazzianum	Hogweed
Epilobium hirsutum	Willowherb
Urtica dioica	Nettle
Buddleja davidii	Butterfly Bush

²³ Fossitt, J.A., 2000. *A guide to habitats in Ireland*. Heritage.

_

Scientific name	Common name		
Asplenium scolopendrium	Hart's Tongue Fern		

Treeline (WL2)

The treelines within the proposed site are mature and in bad condition overall. The treelines are dominated by cypress.

Scientific name	Common name		
Cupressus sempervirens	Cypress		
Hedera helix	Ivy		
Sambucus nigra	Elder		

Buildings and Artificial Surfaces (BL3)

The proposed grid connection route lies along an existing roadway and with hedgerows (WL1) found along sections of the proposed route. An area of residential buildings in the northwest of the proposed location of the GIS substation and is surrounded by an area of scrub (WS1) and hedgerow (WL1).

Spoil and Bare Ground (ED2)

Strip of spoil and bare ground in the north of the proposed location of the GIS substation contained within an area of agricultural grassland (GA1).

Habitat types outside of the proposed development site

Habitat types surrounding the proposed development site were viewed at the landscape scale using satellite imagery due to the expanse of the site. The majority of the habitat is surrounded by agricultural grassland (GA1), accompanied by hedgerows (WL1) with areas of buildings and artificial surfaces (BL3). The habitat types in the surrounding area are typical of areas such as Kilshane whose main habitats such as agricultural grassland (GA1) and buildings and artificial surfaces (BL3) are not of ecological importance and any impact from proposed works to be done on habitats are negligible to the ecology of the area.

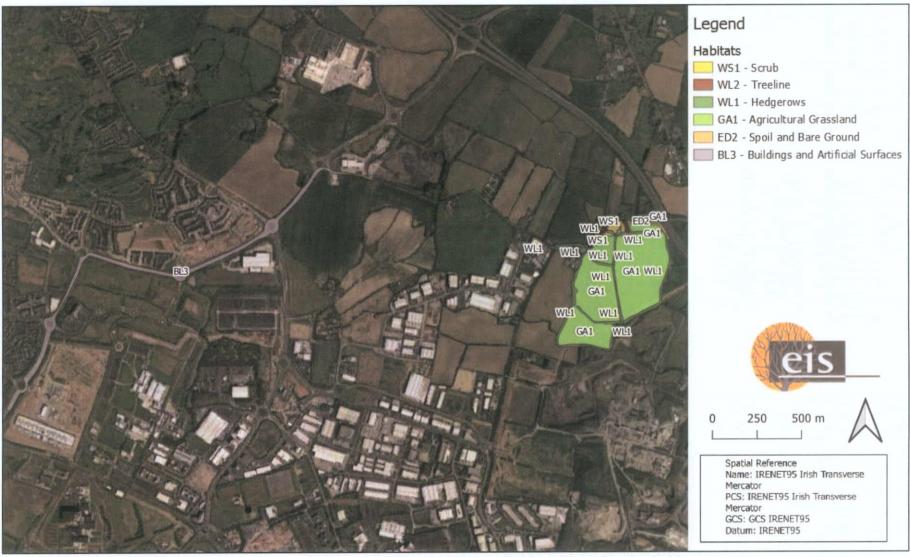


Figure 6 Habitat map of the prosed development site as of February 2022; using Fossitt coding for habitats

Appendix 3.4 Planning database²⁴ search of projects within 200m of the proposed development site over the last 5 years

Table 1 Local planning applications within the receiving environment of the proposed development

Project Code	Status	Overview	Grant Date	Project Area (sq m)	Characteristics of the potential interactions between the projects; sources and pathways	Is there a risk of in- combinatio n effects
F05A/154 7/E1	Grant Extension of Duration of Perm.	Permission for a retail warehouse scheme measuring 13,973 sqm gross on a 5.4 hectare site to the west of the Ratoath Road, in the townland of Bay, County Dublin. The development includes for the following: 1 no. DIY unit measuring 6,000 sqm gross (including 1 no. outdoor garden centre of 846 sqm); 10 no. retail warehouse units totalling 7,973 sqm gross; 718 no. surface car parking spaces; 1 no. free standing flood lit sign at the proposed site entrance with an overall height of 8.15 metres; 2 no. ESB sub-stations (22 sqm each). All associated site development and landscape works. The proposal has a height of 9.25 metres. Access to the proposal is provided via an approved access road previously permitted under planning permission ref; F04A/1802. An EIS will be submitted to the Council with the application.	N/A	369,410	This project will have a temporary construction phase and the operational phase will have localised effects that will be in keeping with the context and character of the surrounding environment. It is also subject to applicable EIA and AA requirements. Considering the above, and the predicted absence of significant effects due to the subject proposal, it is not considered that there is any potential for significant in-combination effects to occur.	No
F05A/161 0/E1	Grant Extension of Duration of Perm.	Planning permission on a 10.5 hectare site at Cruiserath and Hollywoodrath, Mulhuddart, North Blanchardstown, Dublin 15. The site is bounded to the west by Church Road and is located to the east of the Tyrrelstown district centre. The proposed development, with a total gross floor area of 20,320 sqm, comprises the construction of a retail warehouse park with a gross floor area of 20,000 sqm to include 9 single storey double height retail units (including a garden centre) and a single storey drive-thru restaurant with a gross floor area of 320 sqm. The size of the proposed retail warehouse units range from 6,000 sqm. (Unit 1 including garden centre) to 1,000 sqm (units 3, 4, 6 and 7).	N/A	310,281	This project will have a temporary construction phase and the operational phase will have localised effects that will be in keeping with the context and character of the surrounding environment. It is also subject to applicable EIA and AA requirements. Considering the above, and the predicted absence of significant effects due to the subject proposal, it is not considered that there is any potential for significant in-combination effects to occur.	No

²⁴ https://data-housinggovie.opendata.arcgis.com/datasets/planning-application-sites-2010-onwards; for Kilshane Energy - accessed 5th September 2022

Project Code	Status	Overview	Grant Date	Project Area (sq m)	Characteristics of the potential interactions between the projects; sources and pathways	Is there a risk of in- combinatio n effects
		The maximum height of the proposed development is approximately 12 metres. The proposed development will be accessed by the extension of an internal access road, to include 3 roundabout junctions, off the existing roundabout on Church Road. Part of this internal access road was permitted under a previous planning application (reg. ref. F04A/0536). A second access will be developed by the extension of the internal access road to a roundabout junction on the proposed N2/N3 Link Road. The proposed development also includes 2 bus set down areas on the internal access road, cycleways and a new pedestrian access from Church Road. The entire development is to be served by 1,104 surface car parking spaces and includes the reconfiguration of part of the permitted car park serving the hotel as permitted under reg. ref. F04A/1756 and subsequently amended under F05A/0523. The proposed development includes all site development works including landscaping and boundary treatment, bicycle parking, an ESB substation, associated signage and service yards. This application is accompanied by an Environmental Impact Statement.				
FW16A/01 48	Grant Permission	Permission for alterations to the residential scheme permitted under Register Reference FW14A/0108 and Register Reference FW16A/0099. On a site at Hollywoodrath, Hollystown, Dublin 15. The site is located on the southern side of the junction of the Ratoath Road and the R121 (Church Road), and to the north of the M2/N3 link road. The proposed alterations will consist of (i) a phased construction of the permitted crèche over two phases (ii) a change in house types of 4 no. permitted residential units in the scheme to be provided as follows: Replacement of 3 no. House Type A4 and 1 no. House Type A5 with 4 no. House Type B5 (iii) amendments to Condition 5 (ii) of Register Reference FW14A/0108 to maintain ESB pylon in current	2017/01/18	284,289	This project will have a temporary construction phase and the operational phase will have localised effects that will be in keeping with the context and character of the surrounding environment. It is also subject to applicable EIA and AA requirements. Considering the above, and the predicted absence of significant effects due to the subject proposal, it is not considered that there is any potential for significant in-combination effects to occur.	No