TOBIN

Rooaunalaghta Green Energy Project

Appendix 6-2

Existing Ecological Records

ROOAUNALAGHTA
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BUILT ON KNOWLEDGE

Rooaunalaghta Green Energy Ltd.

Chapter 6 Biodiversity

Appendix 6-2: Existing Ecological Records

Woodrow Ref: P00016381

Date: October 2026

woodrow

APEM Group

The applicant:	Rooaunalaghta Green Energy Ltd.
Address:	Station Road, Adare, Limerick
Project reference:	P00016537
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Project Director:	Gareth Coughlin
Project Manager:	James O'Connor
Authors:	Woodrow

Woodrow APEM Group
Upper Offices
Ballisodare Centre
Station Road
Ballisodare
Co. Sligo
F91 PE04
Ireland

Tel: +353 71 9140542
Web: www.woodrow.ie

Registered in Ireland No. 493496

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Revision and Amendment Register

Version Number	Date	Section(s)	Page(s)	Summary of Changes	Approved by
1	20/10/2026	All	All	V1 for issue	JS

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Table A- 1: Details of all Protected and Endangered Species recorded within the last 10 years and 10 km of the Proposed Project[1,2], (Source: NBDC, 2026)

Common name (*Species name*)	Grid squares	Total no. of records	Last record date	Source	EU Habitats Directive			Wildlife (Amendment) Acts	Flora Protection Order	Threatened (with no Formal Protection)
					Annex II	Annex IV	Annex V			
Amphibians										
Common Frog (*Rana temporaria*)	M24, M25	2	2020	Amphibians and reptiles of Ireland			✓	✓		
Reptiles										
Common Lizard (*Zootoca vivipara*)	M24, M25	2	2020	Amphibians and reptiles of Ireland				✓		
Insects										
Dingy Skipper (*Erynnis tages*)	M24	1	2021	Butterflies of Ireland pre-2022						✓
Grayling (*Hipparchia semele*)	M24	1	2020	Butterflies of Ireland pre-2022						✓
Marsh Fritillary (*Euphydryas aurinia*)	M24	1	2021	Butterflies of Ireland pre-2022	✓					
Small Heath (*Coenonympha pamphilus*)	M24	1	2023	Butterflies of Ireland post 2021						✓
Wall (*Lasiommata megera*)	M24	1	2023	Butterflies of Ireland post 2021						✓
Red-tailed Bumblebee (*Bombus lapidarius*)	M24, M25, M35	3	2022	Bees of Ireland						✓
Dark Green Fritillary (*Speyeria aglaja*)	M35	1	2021	Butterflies of Ireland pre-2022						✓
Moss Carder Bee (*Bombus muscorum*)	M35	1	2023	Bees of Ireland						✓
Terrestrial (Non-Volant) Mammals										
Badger (*Meles meles*)	M24, M25, M35	3	2018	Mammals of Ireland 2016-2025				✓		
Hedgehog (*Erinaceus europaeus*)	M24, M25, M35	3	2023	Hedgehogs of Ireland				✓		

[1] A 10 km radius was utilised to capture bat species such as Leisler's bat or Noctule bat which can travel long distances up to 10 km from their roost or foraging sites NatureScot (2021). Bats and Onshore Wind Turbines: Survey, Assessment and Mitigation. Natural England, Natural Resources Wales, Renewable UK, Scottish Power Renewables, Ecotricity Ltd, University of Exeter & Bat Conservation Trust.

[2] An initial search was undertaken between 28 and 30 April 2025 to collate existing ecological information for the proposed project and its surrounding area, with an update search undertaken on 14 August 2026 to consider potential updates on the records.

Common name (*Species name*)	Grid squares	Total no. of records	Last record date	Source	EU Habitats Directive			Wildlife (Amendment) Acts	Flora Protection Order	Threatened (with no Formal Protection)
					Annex II	Annex IV	Annex V			
Otter (*Lutra lutra*)	M24	1	2018	Mammals of Ireland 2016-2025	✓	✓		✓		
Pine Marten (*Martes martes*)	M24, M35	2	2023	Mammals of Ireland 2016-2025			✓	✓		
Terrestrial (Volant) Mammals										
Common Pipistrelle (*Pipistrellus pipistrellus sensu stricto*)	M24, M25 M35	3	2021	National Bat Database of Ireland		✓		✓		
Daubenton's Bat (*Myotis daubentonii*)	M24, M25, M35	3	2022	National Bat Database of Ireland		✓		✓		
Leisler's Bat (*Nyctalus leisleri*)	M24, M25, M35	3	2022	Heritage Council's Traditional Farm Buildings Scheme Fauna Records from 2016 to 2023		✓		✓		
Lesser Horseshoe Bat (*Rhinolophus hipposideros*)	M24	1	2018	National Bat Database of Ireland	✓	✓		✓		
Pipistrelle (*Pipistrellus pipistrellus sensu lato*)	M24, M25, M35	3	2022	Heritage Council's Traditional Farm Buildings Scheme Fauna Records from 2016 to 2023		✓		✓		
Soprano Pipistrelle (*Pipistrellus pygmaeus*)	M24, M25, M35	3	2022	Heritage Council's Traditional Farm Buildings Scheme Fauna Records from 2016 to 2023		✓		✓		
Brown Long-eared Bat (*Plecotus auritus*)	M25, M35	2	2022	Heritage Council's Traditional Farm Buildings Scheme Fauna Records from 2016 to 2023		✓		✓		
Whiskered Bat (*Myotis mystacinus*)	M25	1	2018	National Bat Database of Ireland		✓		✓		
Aquatic Ecology										
Swan Mussel (*Anodonta (Anodonta) cygnea*)	M35	1	2024	All Ireland Non-Marine Molluscan Database						✓*
Moss Bladder Snail (*Aplexa hypnorum*)	M24	1	2018	A national macroinvertebrate dataset collected for the biomonitoring of Ireland's river network, 2007–2018 (EPA)						✓*

Common name (*Species name*)	Grid squares	Total no. of records	Last record date	Source	EU Habitats Directive			Wildlife (Amendment) Acts	Flora Protection Order	Threatened (with no Formal Protection)
					Annex II	Annex IV	Annex V			
Plants										
Greater Knapweed (*Centaurea scabiosa*)	M24	1	2021	Online Atlas of Vascular Plants 2012 Onwards						✓
Spring Gentian (*Gentiana verna*)	M24	1	2020	Online Atlas of Vascular Plants 2012 Onwards						✓
Autumn Lady's-tresses (*Spiranthes spiralis*)	M25	1	2020	Online Atlas of Vascular Plants 2012 Onwards						✓
*Byrne, A., Moorkens, E.A., Anderson, R., Killeen, I.J. & Regan, E.C. (2009) Ireland Red List No. 2 – NonMarine Molluscs. National Parks and Wildlife Service, Department of the Environment, Heritage and Local Government, Dublin, Ireland.										

Table A- 2: Documented records of protected flora species within the last 10 years and 10 km of the Proposed Project (NPWS, 2023)

Common name (*Species name*)	Grid squares	Last record date	Flora Protection Order	Irish Red List	Habitat requirement
Limestone Fern *(Gymnocarpium robertianum)*	M24, M25	2019	✓	CR	Grows in cracks, fissures and scree in limestone rock but also found in shallow grikes of limestone pavement.
Wood Bitter-vetch *(Vicia orobus)*	M24, M25	2019	✓	VU	Habitats mainly include species-rich hay meadows and pastures, in addition to roadsides, rocky or bracken-covered slopes, and in damp purple moor grass (*Molinia caerulea*) grasslands.

Table A- 3: Details of Invasive Species recorded within the last 10 years and 10 km of the Proposed Project2 (Source: NBDC, 2026; BSBI, 2026)

Common name (*Species name*)	Grid squares	Total no. of records	Last record date
Plants			
Butterfly-bush (*Buddleja davidii*)	M24	23*	2023
New Zealand Pigmyweed (*Crassula helmsii*)	M24	10	2024
Montbretia (*Crocosmia × crocosmiiflora*)	M24, M35	30	2019
Canadian Waterweed (*Elodea canadensis*)	M24, M25	146*	2017
Himalayan Honeysuckle (*Leycesteria formosa*)	M24	13*	2020
Honeysuckle (*Lonicera nitida*)	M24, M35	20	2019
Winter Heliotrope (*Petasites pyrenaicus*)	M24, M35	30	2019
Cherry Laurel (*Prunus laurocerasus*)	M24, M35	34*	2024
Japanese Knotweed (*Reynoutria japonica*)	M24	22*	2017
Snowberry (*Symphoricarpos albus*)	M24, M25, M35	50	2019
Entire-leaved Cotoneaster (*Cotoneaster integrifolius*)	M25	10	2017
Cotoneaster microphyllus agg.	M25	10	2017
Curly Waterweed (*Lagarosiphon major*)	M25	10	2017
Spanish Bluebell (*Hyacinthoides hispanica*)	M35	11*	2022
Hybrid Bluebell (*Hyacinthoides × massartiana*)	M35	10	2019
Rhododendron ponticum	M35	2	2024
Traveller's-joy (*Clematis vitalba*)	M24	5	2019
Giant Hogweed (*Heracleum mantegazzianum*)	M35	1	2022
Sycamore (*Acer pseudoplatanus*)	M24, M35	31	2024
Terrestrial Mammals			
Brown Rat (*Rattus norvegicus*)	M25	4	2017
American Mink (*Neovison vison*)	M24	1	2018
House Mouse (*Mus musculus*)	M24	3	2018
Brown Rat (*Rattus norvegicus*)	M24	6	2023
Rabbit (*Oryctolagus cuniculus*)	M24	16	2023

Common name (*Species name*)	Grid squares	Total no. of records	Last record date
*These species have been recorded in both the BSBI and NBDC datasets; the total number of records is the combined number listed in both datasets.			