

## Appendix 6.3: Target Notes 2021 - 2023

Table 1 below provides the results of surveys completed at target note locations within the proposed Dyrick Hill Wind Farm site.

The location of each of the target note locations 1 to 70 is shown on Figure 1 and Figure 2. The target note locations are reproduced as Figure 6.2 of the EIAR Biodiversity Chapter.

**Table 1: Target Note Surveys completed at the proposed Dyrick Hill Wind Farm**

Target note No	Habitat	Description
1	Improved agricultural grassland	This target note location is situated at the boundary of an improved agricultural grassland field and public road. An artificial drain occurs along the field boundary and drains east to the Aughkilladoon Stream.
2	Wet grassland	This target note is located in a pasture field underlain by poorly drained soils. The vegetation supporting stands of <i>Juncus effusus</i> and <i>Juncus acutiflorus</i> along with <i>Alopecurus pratensis</i> , <i>Phleum pratense</i> , <i>Dactylus glomerata</i> , <i>Holcus lanatus</i> , <i>Ranunculus repens</i> and <i>Cardamine pratensis</i> .
3	Hedgerow with wet grassland either side	This target note is located adjacent to a field boundary. Vegetation occurring along the hedgerow boundary include <i>Ulex europeaus</i> , <i>Rubus fruticosus</i> agg. , <i>Digitalis purpurea</i> , <i>Crataegus mongyna</i> , <i>Prunus spinosa</i> , <i>Hedera helix</i> , <i>Salix cinerea</i> and <i>Salix cinerea</i> .
4	Access track and GA1 adjacent	This target note is located along an existing access track that runs east to west through the site. A dry drainage ditch and hedgerow bound the track to the south.
5	Access track and GA1 adjacent	This target note is located along an existing access track that runs east to west through the site.
6	Improved agricultural grassland	This target note is located within intensively managed improved agricultural grassland in the vicinity of the proposed turbine T1.
7		This target note is located in an field of improved agricultural grassland.

Target note No	Habitat	Description
8	Poor fen at Waterford Wetland Site.	This target note is located within a wetland poor fen habitat underlain by peaty soils. The vegetation include Sphagnum recurvum, Sphagnum palustre, Sphagnum tenellum, Ranunculus flammula, Galium saxatile, Carex demissa, Carex lepidocarpa, Juncus effusus, Alopecurus geniculatus, Poa trivalis, Anthoxanthum odoratum, Dactylorhiza fuchsii, Potentilla erecta, Succisa pratensis, Cirsium dissectum, Myosotis scorpioides, Carex cinerea, Carex echinata, Mentha aquatica, Juncus bulbosus, Narthecium ossifragum,
9	Poor fen at Waterford Wetland Site.	Poor draining soils underlain by peat at this location. The vegetation consists of Dactylorhiza fuchsii, Sphagnum recurvum, Potentilla erecta, Anthoxanthum odoratum, Alopecurus geniculatus, Luzula multiflora, Poa trivalis, Succisa pratensis, Carex panicea, Carex echinata, Juncus effusus, Pedicularis palustre, Eriophorum angustifolium, Carex demissa, Ranunculus flammula, Galium saxatile, Ulex galli,
10	Improved agricultural grassland	This target note is located in an field of improved agricultural grassland.
11	Scrub with development wet willow woodland in Waterford Wetland Site	Poor draining soils occur at this location. Scrub is developing in the site in the vicinity of stands of conifer. Salix cinerea, Salix aurita and Alnus glutinosa occur. In the herb layer species include Digitalis purpurea, Filipendula ulmaria, Potentilla erecta, Succisa pratensis, Carex cinerea, Rubus fruticosus agg., Ulex europeus and Juncus effusus.
12	Improved agricultural grassland	This target note is located in an field of improved agricultural grassland adjacent to the boundary of conifer plantation with bounding scrub. Species occurring along the boundary include Poa trivalis, Dactylus glomerata, Digitalis purpurea, Veronica chamaedrys, Plantago lanceolata, Crataegus mongyna, Dryopteris filix-mas, Pteridium aquilinum, Rubus fruticosus agg., Urtica dioica, Cardamine flexuosa, Vaccinium myrtillus, Vicia sepium, Galium saxatile, Hypochaeris radicata, Medicago lupulina, Achillea millefolium, Rumex acetosa and Trifolium repens.
13	Improved agricultural grassland	This target note is located in a field of improved agricultural grassland with a very low grazed sward to less than 5cm. The ground is heavily poached and dunged by livestock.
14	Acid grassland	This area is characterised by well grazed grassland with patches of Juncus effusus and spreading Ulex europeus.
15	Heath, Acid Grassland, Dense Brack Mosaic	This area is characterised by well grazed low sward grassland with patches of Juncus effusus, Calluna vulgaris, Pteridium aquilinum and spreading Ulex europeus.

Target note No	Habitat	Description
16	Recolonising bare ground with Scrub	The target note is located in area with recolonising bare ground on a site that is used for farm stored such as bales etc. There is spreading <i>Ulex europeaus</i> scrub along the boundary of this plot.
17	Existing access track	An existing access track is located adjacent to a stand of conifer plantation.
18	Existing access track	An existing access track deviates from the public road. immature conifer plantation and scrub occur at this location.
19	Acid Grassland	Approaching the T10 location. <i>Juncus effusus</i> , <i>Molinia caerulea</i> , <i>Potentilla erecta</i> , <i>Agrostis stolonifera</i> , <i>Anthoxanthum odoratum</i> , <i>Festuca rubra</i> , <i>Ulex europeaus</i>
20	Scrub cherry laurel	An infestation of <i>Prunus laurocerasus</i> was noted at this target note location surrounding a derelict stone house and sheds.
21	Acid grassland	Low grazed sward of acid grassland. Sward height is less than 5cm. Species include <i>Juncus squarrosus</i> , <i>Anthoxanthum odoratum</i> , <i>Poa trivialis</i> , <i>Agrostis stolonifera</i> , <i>Festuca ovina</i> , <i>Potentilla erecta</i> , <i>Galium saxatile</i> , <i>Hylocomium splendens</i> and <i>Pleurozium schreberi</i> .
22	Acid grassland	This target note is situated in an area of acid grassland. The vegetation includes <i>Anthoxanthum odoratum</i> , <i>Poa trivialis</i> , <i>Agrostis stolonifera</i> , <i>Juncus effusus</i> , <i>Festuca ovina</i> , <i>Juncus squarrosus</i> , <i>Potentilla erecta</i> , <i>Bellis perennis</i>
23	Rich flush	Evidence of cattle and sheep poaching, grazing and dunging in poor flush habitat. Vegetation includes <i>Anagallis tenella</i> , <i>Narthecium ossifragum</i> , <i>Molinia caerulea</i> , <i>Juncus squarrosus</i> , <i>Sphagnum palustre</i> , <i>Sphagnum tenellum</i> , <i>Sphagnum subnitens</i> , <i>Sphagnum capillifolium</i> , <i>Huperzia selago</i> , <i>Breutelia chrysocoma</i> , <i>Erica tetralix</i> , <i>Calluna vulgaris</i> , <i>Ulex galli</i> , <i>Carex cinerea</i> , <i>Carex echinata</i> , <i>Aulacomium palustre</i> , <i>Juncus acutiflorus</i>
24	Gully	A minor gully occurs at this point and flows west to the Farnanes Stream.
25	Gully	This target note is located along a gully that drains into the moderately rich flush area. The banksides of the gully are heavily poached by livestock.
26	Stream/gully confluence	This target note location denotes a confluence point of gullies draining the rich flush area and draining wet grassland area to the north.
27	Rich flush	Poor flush habitat as described for target note no. 2 extends to this location.
28	Rich flush	Poor flush habitat as described for target note no. 2 extends to this location.

Target note No	Habitat	Description
29	Rich flush	Poor flush habitat as described for target note no. 2 extends to this location.
30	Wet grassland edge	target note location is situated near edge of <i>Molinia caerulea</i> dominated wet grassland on a southwest facing slope. <i>Molinia caerulea</i> is dominated with frequent <i>Potentilla erecta</i> . The <i>Molinia caerulea</i> dominated wet grassland grades into dry, well grazed, low sward acid grassland upslope and to the east. Spreading <i>Ulex europeus</i> occurs in the acid grassland.
31	Acid grassland	<i>Nardus stricta</i> , <i>Ulex galli</i> , <i>Potentilla erecta</i> , <i>Calluna vulgaris</i> ,
32	Gully	This target note is located along a minor gully that feeds the Farnanes Stream to the west. Species occurring along the gully include <i>Callitriches</i> sp., <i>Berula erecta</i> , <i>Myosotis scorpioides</i> , <i>Potamogeton polygonifolius</i> , <i>Lemna</i> sp. and <i>Juncus acutiflorus</i> .
33	Gully	This target note denotes a minor gully that drains west to the Farnanes Stream. Tall sward <i>Molinia caerulea</i> with occasional <i>Ulex europeus</i> occur along the gully.
34	Acid grassland sur by wet grassland	Low sward acid grassland that is well grazed. Sward height is c. 5cm. Tussocky <i>Molinia caerulea</i> occurs in the surrounding area. Exposed rock occurs at this location indicating shallow soil cover. Species include <i>Agrostis stolonifera</i> , <i>Agrostis capillaris</i> , <i>Festuca ovina</i> , <i>Pteridium aquilinum</i> , <i>Hypnum cupressiforme</i> , <i>Pseudoscleropodium purum</i> , <i>Carex cinerea</i> and <i>Pleurozium schreberi</i> occur in the acid grassland sward.
35	Acid grassland	Abundant <i>Nardus stricta</i> occurring at this location along with <i>Anthoxanthum odoratum</i> , <i>Agrostis stolonifera</i> , <i>Potentilla erecta</i> , <i>Galium saxatile</i> .
36	Acid grassland	Habitat to the grades from acid grassland to heathland. Spreading gorse scrub is abundant to the north. High number of sheep grazing in the heathland noted. Exposed siliceous rock noted at the surface. <i>Polytrichum commune</i> , <i>Cladonia</i> species, <i>Agrostis stolonifera</i> , <i>Agrostis capillaris</i> , <i>Pteridium aquilinum</i> , <i>Erica tetralix</i> (Rare).
37	Acid grassland	Exposed rock at the surface. At this location the vegetation consists of <i>Holcus mollis</i> , <i>Ulex galli</i> , <i>Calluna vulgaris</i> , <i>Agrostis stolonifera</i> , <i>Deschampsia flexuosa</i> , <i>Sphagnum tenellum</i> , <i>Sphagnum denticulatum</i> , <i>Erica tetralix</i> , <i>Cladonia</i> species. <i>Molinia caerulea</i> is more frequent at this location. The ground slopes to the north.
38	Dense bracken	Dense bracken gives away on lower ground to <i>Molinia caerulea</i> ,

Target note No	Habitat	Description
39	Wet grassland/Dense bracken	Located at the western side of a stand of dense bracken. West of this target note location the vegetation grades from dense bracken to a wet grassland sward dominated by <i>Molinia caerulea</i> , with <i>Juncus effusus</i> , <i>Cirsium dissectum</i> , <i>Leontodon autumnalis</i>
40	Minor Rich flush in wet grassland	The vegetation consists of <i>Narthecium ossifragum</i> , <i>Juncus acutiflorus</i> , <i>Sphagnum capillifolium</i> , <i>Carex panicea</i> , <i>Carex demissa</i> , <i>Molinia caerulea</i> , <i>Ranunculus flammula</i> , <i>Bryum pseudotriquetrum</i> , <i>Anagallis tenella</i> , <i>Calliergonella cuspidata</i> , <i>Galium saxatile</i> , <i>Pohlia nutans</i> , <i>Succisa pratensis</i> (rare), <i>Potamogeton polygonifolius</i>
41	Drainage ditch	The rich flush at the above target note location drains to a cut drainage ditch at this location. The ditch is shallow in depth running over firm mineral soil. <i>Potamogeton polygonifolius</i> and <i>Lemna</i> spp. dominate the drainage ditch which flows from north to south. Occasional <i>Succisa pratensis</i> occurs along the drainage ditch.
42	Wet grassland	The vegetation at this target note location is dominated by <i>Molinia caerulea</i> with rare occasional <i>Calluna vulgaris</i> , <i>Cladonia portentosa</i> , <i>Hypnum cupressiforme</i> , <i>Campylopus atrovirens</i> , <i>Dicranium scoparium</i> , <i>Aulacomium palustre</i> , <i>Erica tetralix</i> , <i>Juncus squarrosus</i> , <i>Carex cinerea</i> and <i>Ulex galli</i> . Dunging and sheep tracks noted throughout this area. Exposed rock occurs in the vicinity of the target note and ground conditions are firm underfoot.
43	Dry heath	The vegetation is dominated by <i>Deschampsia flexuosa</i> , <i>Calluna vulgaris</i> , <i>Juncus squarrosus</i> , <i>Potentilla erecta</i> .
44	Acid grassland	The vegetation at this location is representative of acid grassland habitat with <i>Deschampsia flexuosa</i> , <i>Anthoxanthum odoratum</i> , <i>Nardus stricta</i> , <i>Juncus squarrosus</i> dominating the sward with <i>Calluna vulgaris</i> , <i>Ulex galli</i> occurring rarely. <i>Carex cinerea</i> is occasional at this location.
45	Wet grassland and gully	The vegetation at this location is dominated by <i>Molinia caerulea</i> with <i>Trichophorum germanicum</i> , <i>Ulex galli</i> , <i>Calluna vulgaris</i> , <i>Cladonia portentosa</i> and <i>Hypnum cupressiforme</i> with exposed rock throughout this area
46	Gully deep frog spawn	A incised gully occurs at this point. The gully supports the Farnanes Stream. The vegetation along the gully is dominated by a mix of <i>Pteridium aquilinum</i> and <i>Calluna vulgaris</i> with <i>Erica tetralix</i> , <i>Juncus effusus</i> , <i>Nardus stricta</i> , <i>Deschampsia flexuosa</i> , <i>Anthoxanthum odoratum</i> and <i>Agrostis capillaris</i> frequent. <i>Hypnum cupressiforme</i> and <i>Hylocomium splendens</i> are dominant in the bryophyte layer.

Target note No	Habitat	Description
47	Dry heath	The vegetation at this location is dominated by <i>Calluna vulgaris</i> . <i>Pseudoscleropodium purum</i> , <i>Juncus squarrosus</i> , <i>Deschampsia flexuosa</i> , <i>Potentilla erecta</i> , <i>Erica cinerea</i> , <i>Ulex galli</i> , <i>Vaccinium myrtillus</i> , <i>Hypnum cupressiforme</i> . Evidence of sheep browsing noted in the vegetation surrounding this target note location.
48	Sheep track	Significant sheep track at this location.
49	Dense bracken	At this target note the vegetation is dominated by a mono-specific sward of dense <i>Pteridium aquilinum</i> to over 1m in height.
50	Dense bracken	The vegetation is dominated by <i>Pteridium aquilinum</i> with occasional <i>Erica tetralix</i> , <i>Vaccinium myrtillus</i> , and <i>Molinia caerulea</i>
51	Wet grassland	The vegetation at this location is dominated by <i>Molinia caerulea</i> with <i>Deschampsia flexuosa</i> , <i>Hypnum cupressiforme</i> , <i>Sphagnum recurvum</i> , <i>Sphagnum tenellum</i> , <i>Trichophorum germanicum</i> , <i>Erica tetralix</i> , <i>Cladonia portentosa</i> , <i>Campylopus atrovirens</i> and <i>Juncus squarrosus</i> . Patches of well browsed sward occur in the vicinity of this target note.
52	Dense bracken	The vegetation at this target note is dominated by a dense stand of <i>Pteridium aquilinum</i> . <i>Calluna vulgaris</i> spreads from this location to the north and east.
53	Dense bracken	The vegetation at this location is dominated by a mono-specific tall sward of <i>Pteridium aquilinum</i> to over 1m in height.
54	Dry heath	The vegetation is dominated by <i>Calluna vulgaris</i> with <i>Erica cinerea</i> abundant. <i>Deschampsia flexuosa</i> , <i>Juncus squarrosus</i> , <i>Potentilla erecta</i> , <i>Luzula multiflora</i> , <i>Ulex galli</i> , <i>Festuca ovina</i> are occasional to frequent.
55	Acid grassland	At this target note the habitat is representative of acid grassland. To the north the vegetation changes and grades into an area of Dense bracken/dry heath (with <i>Pteridium aquilinum</i> dominant). To the west <i>Calluna vulgaris</i> dominated dry heath grades into Dense bracken.
56	Dense bracken	At this target note a high established and mono-specific sward of Dense bracken occurs.

Target note No	Habitat	Description
57	Dry heath	At this location the vegetation is dominated by <i>Calluna vulgaris</i> , <i>Erica cinerea</i> , <i>Trichophorum germanicum</i> , <i>Carex lasiocarpa</i> , <i>Cladonia portentosa</i> , <i>Eriophorum vaginatum</i> , with exposed rock occurring throughout, <i>Ulex galli</i> , <i>Juncus squarrosus</i> , <i>Potentilla erecta</i> , <i>Deschampsia flexuosa</i> are also occasional to frequent.
58	Dry heath	At this location the vegetation is dominated by <i>Ulex galli</i> with <i>Nardus stricta</i> , <i>Calluna vulgaris</i> , <i>Erica cinerea</i> , <i>Carex cinerea</i> , <i>Carex nigra</i> , <i>Carex lasiocarpa</i> , <i>Cladonia portentosa</i> , <i>Racomitrium lanuginosum</i> .
59	Dry heath	The vegetation consists of <i>Calluna vulgaris</i> dominated dry heath. Between the target note and the above target note Dense bracken dominates the sward.
60		The photo from this target note location shows a sheep path and browsing in the vicinity of the path. Dense bracken occurs to the west and east of this target note location.
61	Dense bracken	The vegetation consists of dominant <i>Pteridium aquilinum</i> with <i>Vaccinium myrtillus</i> , <i>Calluna vulgaris</i> , <i>Erica cinerea</i> , <i>Deschampsia flexuosa</i>
62	Dry heath	Photo from this target note location shows evidence of preferentially grazing and over grazing by sheep.
63	Dry heath	The vegetation consists of <i>Nardus stricta</i> , <i>Potentilla erecta</i> , <i>Pteridium aquilinum</i> , <i>Calluna vulgaris</i> , <i>Erica cinerea</i> , <i>Deschampsia flexuosa</i> , <i>Carex lasiocarpa</i> , <i>Hylocomium splendens</i> , <i>Hypnum cupressiforme</i> , <i>Juncus squarrosus</i> , <i>Carex cinerea</i> ,
64	Dry heath	The vegetation consists of <i>Carex lasiocarpa</i> , <i>Potentilla erecta</i> , <i>Erica cinerea</i> , <i>Calluna vulgaris</i> , <i>Vaccinium myrtillus</i> , <i>Pteridium aquilinum</i> , <i>Hypnum cupressiforme</i> .
65	Dry heath	The vegetation consists of <i>Calluna vulgaris</i> , <i>Erica cinerea</i> , <i>Luzula sylvatica</i> , <i>Deschampsia flexuosa</i> , <i>Ulex galli</i> , <i>Carex lasiocarpa</i> , <i>Cladonia portentosa</i> , <i>Hypnum cupressiforme</i> , <i>Agrostis stolonifera</i> , <i>Agrostis capillaris</i> , <i>Potentilla erecta</i> , <i>Anthoxanthum odoratum</i> .
66	Dry heath	The vegetation is dominated by <i>Calluna vulgaris</i> , <i>Erica cinerea</i> , <i>Vaccinium myrtillus</i> , <i>Deschampsia flexuosa</i> , <i>Pteridium aquilinum</i> , <i>Hypnum cupressiforme</i> , <i>Pseudoscleropodium purum</i> , <i>Ulex galli</i> ,

Target note No	Habitat	Description
67	Acid grassland	Spreading <i>Senecio jacobaea</i> occurs at this location. Likely to be a consequence of overgrazing.
68	Dry heath	Near the T13 location. The vegetation is dominated by tall, leggy <i>Calluna vulgaris</i> with <i>Erica cinerea</i> , <i>Vaccinium myrtillus</i> abundant, <i>Cladonia portentosa</i> , <i>Kindbergia praelonga</i> , <i>Pseudoscleropodium purum</i> , <i>Hypnum cupressiforme</i> , <i>Juncus squarrosus</i> , <i>Agrostis capillaris</i> , <i>Anthoxanthum odoratum</i> , <i>Deschampsia flexuosa</i> , <i>Potentilla erecta</i> .
69	Acid grassland	This target note is situated in acid grassland habitat that has been provided as a result of agricultural land management on an area of previous heathland habitat. <i>Senecio jacobaea</i> is abundant in this low cropped and intensively grazed sward of this habitat. <i>Cerastium fontanum</i> , <i>Ranunculus repens</i> , <i>Anthoxanthum odoratum</i> , <i>Festuca ovina</i> , <i>Agrostis stolonifera</i> , <i>Trifolium repens</i> , <i>Juncus effusus</i> , <i>Urtica dioica</i> , <i>Cynosaurus cristatus</i> , <i>Medicago lupulina</i> , <i>Rhytidiadelphus squarrosus</i> , <i>Calluna vulgaris</i> (is rare). Closer to the field boundary fence line <i>Veronica officinalis</i> , <i>Polygala serpyllifolia</i> , <i>Euphrasia nemorosa</i> , <i>Luzula sylvatica</i>
70	Dry heath	<i>Calluna vulgaris</i> , <i>Vaccinium myrtillus</i> , <i>Polytrichum commune</i> , <i>Polytrichum juniperinum</i> , <i>Hypnum jutlandicum</i> , <i>juncsqu</i> , <i>Dicranium scoparium</i> , <i>Cladonia portentosa</i> , <i>Festuca ovina</i> , <i>Agrostis stolonifera</i> , <i>Agrostis capillaris</i> , <i>Sphagnum capillifolium</i> , <i>Deschampsia flexuosa</i> , <i>Trichophorum germanicum</i> , <i>Potentilla erecta</i> . The heath bumblebee – <i>Bombus jonellus</i> – was noted at this target note location.







