



APPENDIX 6-1
BOTANICAL SURVEY RESULTS

Botanical Study - Appendix 6-1

Coillte Glenard Windfarm
Application





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1. INTRODUCTION

1.1 Introduction

MKO were commissioned to undertake detailed botanical surveys to provide an evaluation and assessments of the habitats occurring on site at the proposed Glenard Windfarm, Co. Donegal. The detailed assessments focused on the habitats occurring immediately adjacent to the Proposed Development footprint. The detailed botanical surveys were undertaken on the 14th August 2019, 15th August 2019, 02nd July 2020 and 03rd June 2021, with additional informed on habitat mapping undertaken on numerous other dates in 2017 and 2020.

1.2 Survey Methods

A total of 18 detailed relevés were undertaken within the construction footprint or representative habitats within the study area. In addition, where turbines are located within highly modified coniferous plantation forestry, a brief description of this habitat at each location is also provided. The location of each is provided on Figure 1.1.

Relevés that were undertaken in peatland habitats followed guidelines set out in the following document:

- *Perrin, P.M, Martin, J.R., Barron, J.R., Roche & O' Hanrahan, B. (2014) Guidelines for a national survey and conservation assessment of upland vegetation and habitats in Ireland. Version 2.0. Irish Wildlife Manuals, No. 79. National Parks and Wildlife Service.*

All species were readily identifiable during the survey. Plant nomenclature for vascular plants follows 'New Flora of the British Isles' (Stace, 2010), while mosses and liverworts nomenclature follows 'Mosses and Liverworts of Britain and Ireland - a field guide' (British Bryological Society, 2010).

1.3 Statement of Authority

Field surveys were undertaken by David McNicholas (BSc., MSc., MCIEEM), Julie O'Sullivan (B.Sc, M.Sc), Patrick Ellison (B.Sc., M.Sc) and Colin Murphy (B.Sc., M.Sc). Julie has over 6 years' professional experience in ecological surveys and assessment. Patrick has over 5 years' professional experience in ecological surveys and assessment. Colin is a qualified ecologist with experience and assessment in ecological surveys and monitoring. This report has been reviewed by John Hynes (B.Sc., M.Sc., MCIEEM). John is a highly experienced ecologist has over 10 years' professional experience in environmental management and ecological assessment.

2. RESULTS

2.1 Turbine 1

Turbine 1 will be located within Conifer plantation (WD4) dominated by Sitka spruce (*Picea sitchensis*).

Table 2-1: Botanical Survey Results

Quadrat T1	Grid reference: E244858 N431949	Date 14/08/2019
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka Spruce	50
<i>Vaccinium myrtillus</i>	Billberry	30
Non-vascular Plants		
<i>Rhytidiadelphus loreus</i>	Little shaggy moss	80
<i>Sphagnum fibriatum</i>	Fringed Bog Moss	20
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 1: Example of the receiving habitat at T1

2.2 Turbine 2

Turbine 2 will be located within Conifer plantation (WD4) dominated by Sitka spruce (*Picea sitchensis*).

Table 2-2: Botanical Survey Results

Quadrat T2	Grid reference: E244860 N432517	Date 14/08/2019
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka Spruce	40
<i>Calluna vulgaris</i>	Heather	10
Non-vascular Plants		
<i>Sphagnum palustre</i>	Blunt-leaved Bog-moss	10
<i>Rhytidiadelphus squarrosus</i>	Springy Turf Moss	25-30
<i>Polytrichum commune</i>	Common haircap moss	5
<i>Sphagnum subnitens</i>	Lustrous Bog Moss	5
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 2: Example of the receiving habitat at T2

2.3 Turbine 3

Turbine 3 will be located within Conifer plantation (WD4) dominated by Sitka spruce (*Picea sitchensis*).

Table 2-3: Botanical Survey Results

Quadrat T3	Grid reference: E244848 N433016	Date 14/08/2019
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka Spruce	50
Non-vascular Plants		
<i>Polytrichum commune</i>	Common Haircap	5-7
<i>Rhitiadelphus loreus</i>	Little Shaggy Moss	20
<i>Sphagnum fibriatum</i>	Fringed Bog Moss	15
% Bare ground (Needles)		10
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 3: Example of representative habitats present at T3

2.4 Turbine 4

Turbine 4 will be located in an area of very densely planted immature conifer plantation with little ground flora.

Table 24: Botanical Survey Results

Quadrat 1	Grid reference: E244409 N433122	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka Spruce	70
<i>Pinus contorta</i>	Lodgepole pine	5
Non-vascular Plants		
<i>Hypnum jutlandicum</i>	Heath plait moss	30
<i>Thuidium tamariscinum</i>	Tamarisk-moss	20
<i>Sphagnum palustre</i>	Blunt-leaved bog moss	1
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 4: Example of the receiving habitat at T4

2.5 Turbine T5

This area comprised clear fell plantation forestry in the process of regeneration.

Table 2-5: Botanical Survey Results

Quadrat 1	Grid reference: E243872 N432965	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka Spruce (felled stumps and regenerating plants)	40
<i>Molinia caerulea</i>	Purple moor grass	30
<i>Anthoxanthum odoratum</i>	Sweet vernal grass	10
<i>Calluna vulgaris</i>	Ling heather	5
<i>Eriophorum angustifolium</i>	Hare's tail cottongrass	2
<i>Chamaenerion angustifolium</i>	Rosebay willowherb	5
Non-vascular Plants		
<i>Hypnum jutlandicum</i>	Heath plait moss	30
<i>Thuidium tamariscinum</i>	Tamarisk-moss	20
<i>Sphagnum palustre</i>	Blunt-leaved bog moss	1
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 5: Example of the receiving habitat at T5

2.6 Turbine T6

The area of T6 comprises mature conifer plantation and immature regrowth in the southern portion of the area adjacent to the existing access road.

Table 2-6: Botanical Survey Results

Quadrat 1	Grid reference: E244001 N432576	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	65
<i>Calluna vulgaris</i>	Ling heather	15
<i>Juncus effusus</i>	Soft rush	5
<i>Rubus fruticosus</i>	Bramble	5
Non-vascular Plants		
<i>Pleurozium schreberi</i>	Red stemmed feather moss	10
<i>Sphagnum spp.</i>	Sphagnum moss	2
<i>Hypnum jutlandicum</i>	Heath plait moss	5
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 6: Example of the receiving habitat at T6

2.7 Turbine T7

The area around turbine 7 comprises an area of early stage regrowth conifer plantation.

Table 27: Botanical Survey Results

Quadrat T7	Grid reference: E244120 N432149	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka Spruce	50
<i>Molinia caerulea</i>	Purple moor grass	10
<i>Eriophorum vaginatum</i>	Hare's-tail cottongrass	0.5
<i>Calluna vulgaris</i>	Ling heather	2
Non-vascular Plants		
<i>Pleurozium schreberi</i>	Red stemmed feather moss	10
<i>Thuidium tamariscinum</i>	Common tamarisk moss	20
<i>Sphagnum spp.</i>	Sphagnum moss	10
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 7: Example of the receiving habitat at T7

2.8 Turbine T8

Located within conifer plantation forestry.

Table 28: Botanical Survey Results

Quadrat T8	Grid reference: E243964 N431609	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	70
<i>Pinus contorta</i>	Lodgepole pine	1
<i>Molinia caerulea</i>	Purple moor grass	1
<i>Calluna vulgaris</i>	Ling heather	2
Non-vascular Plants		
<i>Polytrichum commune</i>	Common haircap	10
<i>Rhitiadelphus loreus</i>	Little shaggy moss	10
<i>Sphagnum subnitens</i>	Lustrous Bog-moss	1
<i>Pleurozium schreberi</i>	Red stemmed feathermoss	20
Fossitt (2000) Habitat Classification		Conifer plantation (WD4)



Plate 8: Example of the receiving habitat at T8

2.9 Turbine T9

Located within conifer plantation forestry.

Table 29: Botanical Survey Results

Quadrat 1	Grid reference: E244435 N431545	Date 14/08/2019
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	70
<i>Calluna vulgaris</i>	Heather	5
<i>Vaccinium myrtillus</i>	Billberry	5-10
<i>Potentilla erecta</i>	Tormentil	+
<i>Eriophorum vaginatum</i>	Hare's-tail cottongrass	+
Non-vascular Plants		
<i>Rhitiadelphus loreus</i>	Little Shaggy Moss	3
<i>Polytrichum commune</i>	Common Haircap	3

<i>Cladonia spp.</i>	Cladonia Lichen	3
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 9: Example of the receiving habitat at the T9

2.10 Turbine T10

This turbine is located within an area of conifer plantation forestry.

Table 2-10: Botanical Survey Results

Quadrat T10	Grid reference: E243454 N431651	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Pinus contorta</i>	Lodge pole pine	70
<i>Calluna vulgaris.</i>	Ling heather	1
Non-vascular Plants		
<i>Pleurozium schreberi</i>	Red stemmed feathermoss	50
<i>Polytrichum commune</i>	Common haircap	2
<i>Hypnum jutlandicum</i>	Heath plait moss	15
<i>Sphagnum fallax</i>	Flat-topped bog moss	5
<i>Campylopus introflexus</i>	Heath star moss	+
Leaf litter		5
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 10: Example of the receiving habitat at T10 Turbine T10

2.11

Proposed access road west of T10

This turbine is located within an area of conifer plantation forestry.

Table 2-11: Botanical Survey Results

Quadrat - Access road west of T10	Grid reference: E 243389 N 431629	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Molinia Caerulea</i>	Purple moor grass	40
<i>Hare's-tail cottongrass</i>	Eriophorum vaginatum	30
<i>Calluna vulgaris.</i>	Ling heather	5
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass	5
<i>Eriophorum angustifolium</i>	Common cottongrass	1
<i>Potentilla erecta</i>	Tormentil	1
Non-vascular Plants		
<i>Pleurozium schreberi</i>	Red stemmed feathermoss	15
<i>Sphagnum subnitens</i>	Lustrous bog-moss	5

Fossitt (2000) Habitat Classification	Upland blanket bog (PB2)/ Wet Heat (HH3) / Cutover Bog (PB4)
IVC Community	HE4E: <i>Molinia caerulea</i> - <i>Calluna vulgaris</i> - <i>Erica tetralix</i>



Plate 11: Example of the receiving habitat at a section of the proposed access road west of T10

2.12 Turbine 11

This turbine is located within an area of plantation forestry, with other immature broadleaf species also present at the margins of firebreaks.

Table 2-12: Botanical Survey Results

Quadrat T11	Grid reference: E 243565 N 431232	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	70
<i>Calluna vulgaris</i>	Heather	25
<i>Juncus effusus</i>	Soft rush	5
<i>Alnus glutinosa</i>	Alder	+
<i>Salix caprea</i>	Goat willow	5
Non-vascular Plants		
<i>Sphagnum spp.</i>	Sphagnum moss	5
<i>Pleurozium schreberi</i>	Red stemmed feathermoss	10
<i>Hypnum jutlandicum</i>	Heath plait-moss	5
<i>Polytrichum commune</i>	Common haircap	7
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 12: Example of the receiving habitat at T11

2.13

Turbine T12

Whilst the majority of the turbine footprint is located within dense conifer plantation, part of this is located within upland blanket bog habitat (see Table 2-14).

Table 2-13: Botanical Survey Results

Quadrat T12 (Conifer plantation)	Grid ref: E 241787 N 430904	Date 20/11/2020
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	70
Non-vascular Plants		
<i>Pleurozium schreberi</i>	Red stemmed feathermoss	20
<i>Polytrichum commune</i>	Common haircap	0.5
	Leaf litter	20
Fossitt (2000) Habitat Classification		Conifer



Plate 13: Example of habitat present within the conifer plantation at T12

Table 2-14: Botanical Survey Results

Quadrat T12 (Blanket bog)	Grid ref: E 241787 N 430904	Date 01/12/2020
Species	Common Name	% Cover
Vascular Plants		
<i>Calluna vulgaris</i>	Heather	30
<i>Molinia caerulea</i>	Purple moor-grass	50
<i>Erica tetralix</i>	Cross-leaved heather	1
<i>Eriophorum vaginatum</i>	Hare's-tail cottongrass	7
<i>Potentilla erecta</i>	Tormentil	0.5
<i>Deschampsia flexuosa</i>	Wavy hair-grass	5
<i>Gallium palustre</i>	Marsh bedstraw	0.5
Non-vascular Plants		
<i>Rhytidiadelphus loreus</i>	Little shaggy-moss	20
<i>Pleurozium schreberi</i>	Red-stemmed Feather-moss	5
<i>Sphagnum capillifolium sp.</i>	Red bog moss	2
<i>Polytrichum commune</i>	Common haircap	0.5
Peat depth:	110cm	
IVC Classification:	HE2D <i>Calluna vulgaris</i> – <i>Molinia caerulea</i> – <i>Erica cinerea</i> heath	
Fossitt (2000) Habitat Classification	Upland blanket bog (PB2) / Cutover Bog (PB4) with areas of Wet heath (HH3) at margins	

2.14

Turbine 13

Table 2-15: Botanical Survey Results

Quadrat 1	Grid reference: E 242368 N430935	Date 15/08/2019
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	50

<i>Colluna vulgaris</i>	Heather	45
<i>Pinus contorta</i>	Lodgepole pine	+
<i>Myrica gale</i>	Bog myrtle	+
Non-vascular Plants		
<i>Pleurozium schreberi</i>	Red stemmed feathermoss	20
<i>Hypnum jutlandicum</i>	Heath plait-moss	5
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 14: Example of the receiving habitat at T13

2.15 Turbine 14

Dominated by semi-mature Sitka spruce conifer plantation (8m)

Table 2-16: Botanical Survey Results

Quadrat 1	Grid reference: E 242997 N431179	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	60
<i>Pinus contorta</i>	Lodgepole pine	2
<i>Calluna vulgaris</i>	Ling heather	10
<i>Molinia Caerulea</i>	Purple moor grass	5
Non-vascular Plants		
<i>Dryoptera spp.</i>	Ferns	3
<i>Rhitiadelphus spp.</i>	Little Shaggy Moss	20
<i>Polytrichum commune</i>	Common Haircap	10
<i>Pleurozium schreberi</i>	Red Stemmed Feathermoss	30
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 15: Example of the receiving habitat at T14

2.16 Turbine 15

Located within conifer plantation in the early stages of regrowth

Table 2-17: Botanical Survey Results

Quadrat T15	Grid reference: E242659 N430601	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	60
<i>Calluna vulgaris</i>	Heather	5
<i>Molinia Caerulea</i>	Purple moor grass	15
<i>Salix caprea</i>	Goat willow	5
<i>Rubus fruticosus</i>	Bramble	5
<i>Juncus effusus</i>	Soft rush	2
Non-vascular Plants		
<i>Rhytidiadelphus squarrosus</i>		20
<i>Pleurozium schreberi</i>	Red-stemmed feathermoss	30
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)



Plate 16: Example of the receiving habitat at T15

2.17 Proposed substation

Located within an area of dense plantation forestry.

Table 2-18: Botanical Survey Results

Quadrat - Sunstation	Grid reference: E243065 N430693	Date 03/06/2021
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	70
-	Leaf litter	50
Non-vascular Plants		
<i>Rhytidiadelphus squarrosus</i>	Springy turf moss	60
<i>Rhytidiadelphus loreus</i>	Little shaggy moss	30
<i>Sphagnum fallax</i>	Flat topped bogmoss	10
<i>Plagiomnium spp.</i>	Plagiomnium moss	+
% Bare ground		-

Fossitt (2000) Habitat Classification	Conifer Plantation (WD4)
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Plate 17: Example of the receiving habitat at the proposed substation location

2.18

Proposed Borrow Pit

Table 2-19: Botanical Survey Results

Quadrat – Borrow pit	Grid reference: E244029 N431501	Date 01/12/2020
Species	Common Name	% Cover
Vascular Plants		
<i>Picea sitchensis</i>	Sitka spruce	70
<i>Juncus effusus</i>	Soft rush	5
<i>Agrostis stolonifera</i>	Creeping bent-grass	2
<i>Pteridium aquilinum</i>	Bracken	0.5
<i>Deschampsia flexuosa</i>	Wavy hair-grass	10
Non-vascular Plants		
<i>Sphagnum fimbriatum</i>	Springy turf moss	3
<i>Rhytidiadelphus loreus</i>	Little shaggy moss	50

<i>Sphagnum palustre</i>	Flat topped bogmoss	3
<i>Polytrichum commune</i>	Common hair moss	+
Fossitt (2000) Habitat Classification		Conifer Plantation (WD4)

2.19

Proposed road widening – Northeast of site

Table 2-20: Botanical Survey Results

Quadrat	Grid reference: E244668 N434026	Date 01/12/2020
Species	Common Name	% Cover
Vascular Plants		
<i>Erica tetralix</i>	Cross-leaved heath	15
<i>Calluna vulgaris</i>	Ling heather	5
<i>Molinia caerulea</i>	Purple moor-grass	70
<i>Deschampsia flexuosa</i>	Wavy hair-grass	10
Non-vascular Plants		
<i>Sphagnum recurvum</i>		90
<i>Polytrichum commune</i>	Common hair moss	20
IVC classification		HE4E <i>Molinia caerulea</i> – <i>Calluna vulgaris</i> – <i>Erica tetralix</i> heath
Fossitt (2000) Habitat Classification		Cutover bog (PB4)



Plate 18: Example of the receiving habitat at the proposed borrow pit location

2.20 Peatlands

2.20.1 Wet heath (HH3)

An area of wet heath and blanket bog occurs within the southeast of the site. The below information provides a representative example of the vegetation occurring within this habitat.

Table 2-21: Botanical Survey Results

Quadrat - Peatland Q1	Grid reference: E244833 N431549	Date 15/08/2019
Species	Common Name	% Cover
Vascular Plants		
<i>Vaccinium myrtillus</i>	<i>Bilberry</i>	5
<i>Calluna vulgaris</i>	Heather	50
<i>Erica tetralix</i>	Cross-leaved heath	10
<i>Eriophorum angustifolium</i>	Common cottongrass	10
<i>Molinia caerulea</i>	Purple moor-grass	15
<i>Eriophorum vaginatum</i>	Hare's-tail cottongrass	2

<i>Potentilla erecta</i>	Tormentil	2
<i>Deschampsia flexuosa</i>	Wavy hair-grass	1
Non-vascular Plants		
<i>Rhytidiadelphus loreus</i>	Little Shaggy-moss	60
<i>Sphagnum subnitens</i>	Lustrous bog moss	30
Fossitt (2000) Habitat Classification		
		Wet heath (HH3)
IVC Community		
		HE2D – Heather – Purple Moor-grass – Bell Heather heath



Plate 19: Peatland Quadrat 1 Location

Table 2-22: Botanical Survey Results

Quadrat - Peatland Q2	Grid reference: E244589 N431455	Date 15/08/2019
Species	Common Name	% Cover
Vascular Plants		
<i>Vaccinium myrtillus</i>	<i>Bilberry</i>	+

<i>Potentilla erecta</i>	Tormentil	1
<i>Molinia caerulea</i>	Purple Moore Grass	5
<i>Eriophorum vaginatum</i>	Hare's-tail Cottongrass	5
<i>Calluna vulgaris</i>	Heather	60
<i>Erica tetralix</i>	Cross-leaved Heath	5
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	2
Non-vascular Plants		
<i>Rhytidiadelphus loreus</i>	Little Shaggy-moss	30
<i>Calliergonella cuspidata</i>	Pointed Spear Moss	10
<i>Sphagnum fallax</i>	Flat-topped bog moss	10
Fossitt (2000) Habitat Classification		Wet heath (HH3)
IVC Community		HE2D – Heather – Purple Moor-grass – Bell Heather heath



Plate 20: Peatland Quadrat 2 Location

2.20.2 Cutover Bog (PB2)

The below information provides representative examples of the vegetation occurring within habitats classified as blanket bog/ cutover bog.

Table 2-23: Botanical Survey Results

Quadrat – Peatland Q3	Grid reference: E243634 N433458	Date 01/12/2020
Species	Common Name	% Cover
Vascular Plants		
<i>Eriophorum angustifolium</i>	Common Cottongrass	90
<i>Juncus bufonius</i>	Toad rush	60
Fossitt (2000) Habitat Classification		Cutover bog (PB4)
IVC Community		BG1D Eriophorum angustifolium – Campylopus introflexus bog



Plate 21: Peatland Quadrat 3 Location

Table 2-24: Botanical Survey Results

Species	Common Name	% Cover
Vascular Plants		
<i>Juncus bufonius</i>	Toad rush	40
<i>Eriophorum vaginatum</i>	Hare's-tail Cottongrass	20
<i>Calluna vulgaris</i>	Heather	5
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	20
<i>Juncus effusus</i>	Soft rush	10
Non-vascular Plants		
<i>Sphagnum capillifolium</i>		50
IVC Community		BG2A <i>Eriophorum vaginatum</i> – <i>Vaccinium oxycoccos</i> bog (Transitional)



Plate 22: Peatland Quadrat 4 Location

Table 2-25: Botanical Survey Results

Species	Common Name	% Cover
Vascular Plants		
<i>Molinia caerulea</i>	Purple Moore Grass	10
<i>Calluna vulgaris</i>	Heather	7
<i>Eriophorum vaginatum</i>	Hare's tail cottongrass	2
<i>Deschampsia flexuosa</i>	Wavy Hair-grass	5
<i>Myrica gale</i>	Bog myrtle	0.5
<i>Empetrum nigrum</i>	Crowberry	5
Non-vascular Plants		
<i>Rhytidiadelphus loreus</i>	Little Shaggy-moss	40
<i>Pleurozium schreberi</i>		20
<i>Sphagnum capillifolium</i>		15
Fossitt (2000) Habitat Classification		Upland blanket bog (PB2)/ Wet Heath (HH3)
IVC Community		HE4A <i>Molinia caerulea</i> - <i>Trichophorum cespitosum/germanicum</i>

2.21

Plantation forestry (WD4)

Area of clear fell and immature conifer plantation.

Table 2-26: Botanical Survey Results

Species	Common Name	% Cover
Vascular Plants		
<i>Molinia</i>	Moor grass	5

<i>Agrostis stolonifera</i>	Creeping bent	1-2
<i>Calluna vulgaris</i>	Heather	5
<i>Rubus fruticosus</i>	Bramble	+
<i>Deschampia flexuosa</i>	Wavy hair grass	70
<i>Sorbus spp.</i>	Rowan (sapling)	3
<i>Picea sitchensis</i>	Sitka spruce (sapling)	4
<i>Pteridium aquilinum</i>	Bracken	2
<i>Hedera helix</i>	Ivy	+
<i>Vaccinium myrtillus</i>	Billberry	4
<i>Rubus fruticosus</i>	Bramble	+
<i>Chamaenerion angustifolium</i>	Rosebay willowherb	5
<i>Galium saxatile</i>	Heath bedstraw	3
Non-vascular Plants		
<i>Hypnum jutlandicum</i>	Heath plait moss	40
<i>Polytrichum commune</i>	Common Haircap	+
<i>Pleurozium schreberi</i>	Red-stemmed feather moss	5
<i>Calliergonella cuspidata</i>	Pointed spear moss	5
Fossitt (2000) Habitat Classification		
		Conifer Plantation (WD4)



Plate 23: Example of clear-fell and immature conifer plantation within the south of the site.

3.

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