

Technical Appendix 6.6: Relevé Surveys 2019

Please also refer to Technical Appendix 6.8: Habitat and Relevé Plates.

Table 6.12.1: Summary data for 18 relevés undertaken in Barnesmore during a vegetation survey in 2019

Key: T = turbine location; SS = proposed substation location; ES = proposed energy storage area; A = species not present in relevé, but present in general area adjacent to relevé.

RELEVÉ	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10A ¹	T10 B	T11	T12	T13	SS1	SS2	ES1	ES2
Date surveyed 16/17 th September 2019	16	16	16	17	16	16	16	16	17	17	17	17	17	17	16	16	16	17
Habitat type	Montane heath	Wet heath	Blanket bog	Wet heath	Blanket bog	Wet heath	Blanket bog	Blanket bog	Montane heath	Montane heath	Blanket bog	Blanket bog	Montane heath	Wet heath	Blanket bog	Poor flush	Montane heath	Wet heath
Habitat code	MH1b	WH3	BB5a	WH3	BB5a	WH3	BB5a	BB5a	MH1a	MH1b	BB5a	BB6a	MH1a	WH3	BB5b	PFLU4a	MH1a	WH4a
Peat depth (cm)	10	35	>100	26	90	40	65	90	30	28	<100	>100	6	42	>90	>90	25	65
% bare peat	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	12	0
% bare rock	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
% graminoids	45	20	80	40	60	30	55	50	30	20	65	55	45	65	40	60	50	60
% ericoids	25	70	10	30	20	35	20	35	25	65	25	65	20	20	35	5	15	25
% herbaceous	12	5	8	<4	6	6	6	<4	<4	4	5	20	6	6	5	15	<4	5
% bryophytes	35	60	55	80	70	80	65	75	75	90	55	65	65	40	65	40	40	65

¹ PLEASE NOTE A TURBINE IS NO LONGER PROPOSED AT LOCATION T10A; ES1 AND ES2 ARE SIMILARLY NO LONGER PROPOSED FOR AN ENERGY STORAGE FACILITY.

Table 6.12.2: Summary data for 18 relevés undertaken in Barnesmore during a vegetation survey in 2019

Key: T = turbine location; SS = proposed substation location; ES = proposed energy storage area; A = species not present in relevé, but present in general area adjacent to relevé.

RELEVÉ	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10A ²	T10 B	T11	T12	T13	SS1	SS2	ES1	ES2
Date surveyed 16/17 th September 2019	16	16	16	17	16	16	16	16	17	17	17	17	17	17	16	16	16	17
Habitat type	Montane heath	Wet heath	Blanket bog	Wet heath	Blanket bog	Wet heath	Blanket bog	Blanket bog	Montane heath	Montane heath	Blanket bog	Blanket bog	Montane heath	Wet heath	Blanket bog	Poor flush	Montane heath	Wet heath
Habitat code	MH1b	WH3	BB5a	WH3	BB5a	WH3	BB5a	BB5a	MH1a	MH1b	BB5a	BB6a	MH1a	WH3	BB5b	PFLU4a	MH1a	WH 4a
Peat depth (cm)	10	35	>100	26	90	40	65	90	30	28	<100	>100	6	42	>90	>90	25	65
% bare peat	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	12	0
% bare rock	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0
% graminoids	45	20	80	40	60	30	55	50	30	20	65	55	45	65	40	60	50	60
% ericoids	25	70	10	30	20	35	20	35	25	65	25	65	20	20	35	5	15	25
% herbaceous	12	5	8	<4	6	6	6	<4	<4	4	5	20	6	6	5	15	<4	5
% bryophytes	35	60	55	80	70	80	65	75	75	90	55	65	65	40	65	40	40	65
SPECIES:	% COVER																	
<i>Agrostis canina</i>	<4								<4		A						A	
<i>Agrostis stolonifera</i>		<4						A		<4			15	A			A	
<i>Anthoxanthum odoratum</i>							A											
<i>Blechnum spicant</i>		A					A							A				A
<i>Calluna vulgaris</i>	15	65	8	25	18	30	15	30	26	60	20	10	20	18	30		<4	20
<i>Campylopus introflexus</i>				A					5			10					A	
<i>Carex nigra</i>							<4							<4	<4			
<i>Carex sp.</i>			A		A	<4			<4	<4	A	<4	6			5	10	
<i>Cirsium palustre</i>											A		<4					

² PLEASE NOTE A TURBINE IS NO LONGER PROPOSED AT LOCATION T10A; ES1 AND ES2 ARE SIMILARLY NO LONGER PROPOSED FOR AN ENERGY STORAGE FACILITY.

RELEVÉ	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10A ²	T10 B	T11	T12	T13	SS1	SS2	ES1	ES2
<i>Cladonia</i> sp.	<4	<4	<4	<4	<4		A	A	<4		A	<4					<4	
<i>Deschampsia flexuosa</i>							5				10					25		<4
<i>Dicranum scoparium</i>				A											A			
<i>Dryopteris dilatata</i>											A		A					
<i>Epilobium palustre</i>											A					A		
<i>Erica cinerea</i>	5			<4		A	A		4	5				<4	4	<4	10	
<i>Erica tetralix</i>	5		<4	<4	<4	<4	5	5			5	5				<4	<4	5
<i>Eriophorum angustifolium</i>	8				20	<4	30	15				10			10		25	
<i>Eriophorum vaginatum</i>			25		8	8		10				A	A	20				20
<i>Festuca vivipera</i>													10					
<i>Galium saxatile</i>		A				<4				<4			A			<4		<4
<i>Hylocomium splendens</i>						8					15		10		5			
<i>Hypnum jutlandicum</i>							18	5			4				6		5	
<i>Juncus acutiflorus</i>													8	8	6			A
<i>Juncus bulbosus</i>									A								5	
<i>Juncus effusus</i>	A								A	A			5			A		A
<i>Juncus squarrosus</i>	<4	<4		A		<4			12	<4				A	8			
<i>Molinia caerulea</i>	30	15	40	15	30	20	20	25		5	55	25		35	15	30	10	25
<i>Myrica gale</i>													<4			A		
<i>Nardus stricta</i>		<4								<4								
<i>Narthecium ossifragum</i>	10		5	A	<4		<4		A			18					<4	
<i>Pedicularis sylvatica</i>		<4																<4
<i>Plagiochila asplenioides</i>	<4			<4														
<i>Pleurozia purpurea</i>	<4		<4	35	<4							5					<4	

RELEVÉ	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10A ²	T10 B	T11	T12	T13	SS1	SS2	ES1	ES2
<i>Pleurozium schreberi</i>														12				
<i>Poa annua</i>													A					
<i>Polygala serpyllifolium</i>	<4	A		<4	A		<4			<4	A				<4			
<i>Polytrichum commune</i>		A			A		A		10						<4	A	A	<4
<i>Potamogeton sp.</i>											A					A		
<i>Potentilla erecta</i>	<4	5	<4	<4	<4	5	4	<4	<4	<4	5	<4	<4	6	<4	<4	<4	<4
<i>Pseudoscleropodium purum</i>								15					10					
<i>Racomitrium lanuginosum</i>	30	A	15	45	50	A	<4	15	35	60	A	25	15		A		35	15
<i>Rhytidiadelphus loreus</i>								5		5	6			8				10
<i>Rhytidiadelphus squarrosus</i>		5		A	18	12	A			15	8		30	20	8	5		
<i>Salix cinerea</i>											A			A				
<i>Sphagnum capillifolium</i>	A	30	5		A	60		20	A	A	12	A			25		A	
<i>Sphagnum cuspidatum</i>					A				A			A						
<i>Sphagnum denticulatum</i>																25	<4	
<i>Sphagnum fallax</i>		20					12	15	25		10	15						25
<i>Sphagnum palustre</i>				A	A		15				A	A			30	10		15
<i>Sphagnum papillosum</i>							20											
<i>Sphagnum tenellum</i>	A																	
<i>Succisa pratensis</i>														A				

RELEVÉ	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10A ²	T10 B	T11	T12	T13	SS1	SS2	ES1	ES2
<i>Trichophorum caespitosum</i>	5	A	15	25	<4	A		A	18	10		20						20
<i>Vaccinium myrtillus</i>		5				<4							A	<4	<4			
<i>Viola palustris</i>																10		
<i>Viola riviniana</i>															A			