

## APPENDIX 5.1

### Plant Species Lists for Wind Farm Site and Hydrogen Plant Site

**Table 1 – Plant species list for bog, heath, scrub and gravel tracks within the Firlough Wind Farm Site.**

Vascular plants		Main habitats in which each species occurs		
Scientific name	English name	Bog and heath	Scrub	Gravel tracks
<i>Agrostis</i> sp.	Bent grass			✓
<i>Agrostis stolonifera</i>	Creeping bent			✓
<i>Anthoxanthum odoratum</i>	Sweet vernal-grass			✓
<i>Bellis perennis</i>	Daisy			✓
<i>Betula pubescens</i>	Downy birch		✓	
<i>Blechnum spicant</i>	Hard fern	✓		
<i>Calluna vulgaris</i>	Ling heather	✓		
<i>Carex panicea</i>	Carnation sedge	✓		
<i>Carex flacca</i>	Glaucous sedge			✓
<i>Carex viridula oedocarpa</i>	Short-stalked yellow-sedge			✓
<i>Cirsium palustre</i>	Marsh thistle			✓
<i>Cynosurus cristatus</i>	Crested dog's tail			✓
<i>Dactylis glomerata</i>	Cocks foot			✓
<i>Erica tetralix</i>	Cross-leaved heath	✓		
<i>Erica cinerea</i>	Bell heather	✓		
<i>Eriophorum angustifolium</i>	Common bog cotton	✓		
<i>Eriophorum vaginatum</i>	Hare's tail bog cotton	✓		
<i>Holcus lanatus</i>	Yorkshire fog			✓
<i>Galium saxatile</i>	Heath bedstraw		✓	✓
<i>Ilex aquifolium</i>	Holly			
<i>Juncus effusus</i>	Soft rush	✓		
<i>Juncus bulbosus</i>	Bulbous rush	✓		
<i>Juncus squarrosus</i>	Heath rush	✓		
<i>Lolium perenne</i>	Perennial rye-grass			
<i>Molinia caerulea</i>	Purple moor-grass	✓		
<i>Narthecium ossifragum</i>	Bog asphodel	✓		
<i>Menyanthes trifoliata</i>	Bog bean	✓		
<i>Myrica gale</i>	Bog myrtle	✓		
<i>Pedicularis sylvatica</i>	Heath lousewort	✓		
<i>Plantago lanceolata</i>	Ribwort plantain			✓
<i>Picea sitchensis</i>	Sitka spruce			
<i>Poa annua</i>	Annual meadow-grass			✓
<i>Potentilla erecta</i>	Tormentil	✓		
<i>Pteridium aquilinum</i>	Bracken		✓	
<i>Rubus fruticosus</i>	Briar		✓	
<i>Prunella vulgaris</i>	Self heal			✓
<i>Sorbus aucuparia</i>	Rowan		✓	
<i>Ranunculus flammula</i>	Lesser spearwort	✓		
<i>Rumex acetosella</i>	Sheep's sorrel		✓	
<i>Salix aurita</i>	Eared willow		✓	
<i>Salix cinerea</i> subsp. <i>oleifolia</i>	Grey willow		✓	
<i>Succisa pratensis</i>	Devil's bit scabious			✓
<i>Sagina procumbens</i>	Procumbent pearlwort			✓
<i>Taraxacum officinale</i>	Dandelion			✓
<i>Trichophorum germanicum</i>	Deer grass	✓		
<i>Ulex europaeus</i>	Common gorse		✓	

Vascular plants		Main habitats in which each species occurs		
Scientific name	English name	Bog and heath	Scrub	Gravel tracks
<b>Bryophytes</b>				
<i>Campylopus introflexus</i>	A moss	✓		
<i>Calliergonella cuspidata</i>	A moss			✓
<i>Cladonia portentosa</i>	A lichen	✓		
<i>Cladonia uncialis</i>	A lichen	✓		
<i>Dicranum scoparium</i>	A moss	✓		
<i>Hylocomium splendens</i>	A moss	✓		
<i>Hypnum jutlandicum</i>	A moss	✓		
<i>Pleurozia purpurea</i>	A liverwort	✓		
<i>Pleurozium schreberi</i>	A moss	✓		
<i>Odontoschisma sphagni</i>	A liverwort	✓		
<i>Polytrichum commune</i>	A moss	✓		
<i>Racomitrium lanuginosum</i>	A moss	✓		
<i>Rhytidiadelphus loreus</i>	A moss	✓		
<i>Thuidium tamariscum</i>	A moss	✓		
<i>Rhytidiadelphus squarrosus</i>	A moss			✓
<i>Sphagnum capillifolium</i>	A moss	✓		
<i>Sphagnum cuspidatum</i>	A moss	✓		
<i>Sphagnum fallax</i>	A moss	✓		
<i>Sphagnum fuscum</i>	A moss	✓		
<i>Sphagnum tenellum</i>	A moss	✓		
<i>Sphagnum papillosum</i>	A moss	✓		

**Table 2 – Plant species list for improved grassland (GA1) at proposed Hydrogen Plant Site.**

<b>Scientific name</b>	<b>English name</b>
<i>Agrostis capillaris</i>	Common bent
<i>Agrostis stolonifera</i>	Creeping bent
<i>Alopecurus geniculatus</i>	Marsh foxtail
<i>Anthoxanthum odoratum</i>	Sweet vernal grass
<i>Bellis perennis</i>	Daisy
<i>Cerastium fontanum</i>	Common mouse-ear
<i>Cirsium arvense</i>	Creeping thistle
<i>Cirsium palustre</i>	Marsh thistle
<i>Cynosurus cristatus</i>	Crested dog's tail
<i>Festuca</i> sp.	Fescue species
<i>Herculeum sphondylium</i>	Hogweed
<i>Holcus lanatus</i>	Yorkshire fog
<i>Juncus bufonius</i>	Toad rush
<i>Lolium perenne</i>	Perennial rye-grass
<i>Odontites vernus</i>	Red bartsia
<i>Phleum pratense</i>	Timothy
<i>Plantago lanceolata</i>	Ribwort plantain
<i>Poa trivialis</i>	Rough Meadowgrass
<i>Potentilla anserina</i>	Silverweed
<i>Prunella vulgaris</i>	Self heal
<i>Ranunculus acris</i>	Meadow buttercup
<i>Ranunculus repens</i>	Creeping buttercup
<i>Rhinanthus minor</i>	Yellow rattle
<i>Rumex acetosa</i>	Common sorrel
<i>Rumex crispus</i>	Curled dock
<i>Rumex obtusifolius</i>	Broad leaved dock
<i>Senecio aquaticus</i>	Marsh ragwort
<i>Senecio jacobea</i>	Ragwort
<i>Taraxacum officinale</i>	Dandelion
<i>Trifolium pratense</i>	Red clover
<i>Trifolium repens</i>	White clover