

## A vascular plant list for the Birkdale Green Beach

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This list is based on those completed in 2000 and 03, with additions for 2004, 05 and 06. Nr = Nationally Rare; NS = Nationally Scarce; SCI = Species of Conservation Importance in North West England; VU = Vulnerable; NT = Near Threatened. \* = non-native or introduced native taxon.

Frequency is given using the DAFOR scale. Parentheses indicate taxon only recorded in 2000. Nomenclature follows Stace's *New Flora of the British Isles*.

Taxon	English name	04	05	06	Freq.	Rarity
<i>Aesculus hippocastaneum</i> *	Horse-chestnut				r	
<i>Agrimonia eupatoria</i>	Agrimony				r	
<i>Agrostis capillaris</i>	Common Bent				lf	
<i>Agrostis stolonifera</i>	Creeping Bent				ld	
<i>Aira caryophyllea</i>	Silver Hair-grass				vlf	
<i>Aira praecox</i>	Early Hair-grass			+	o	
<i>Alisma plantago-aquatica</i>	Water Plantain				r	
<i>Alnus glutinosa</i>	Alder				la	
<i>Ammophila arenaria</i>	Marram				vla	
<i>Angelica archangelica</i> *	Garden angelica				lo	
<i>Angelica sylvestris</i>	Wild Angelica				o	
<i>Anthyllis vulneraria</i>	Kidney Vetch				la	
<i>Antirrhinum majus</i> *	Snapdragon				r	
<i>Apium graveolens</i>	Wild Celery				lf	SCI
<i>Apium nodiflorum</i>	Fool's Water-cress				la	
<i>Arctium minus</i>	Lesser Burdock				r	
<i>Arabidopsis thaliana</i>	Thale-cress			+	o	
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort				lo	
<i>Armeria maritima</i>	Thrift				r	
<i>Arrhenatherum elatius</i>	False Oat-grass				lf	
<i>Artemisia vulgaris</i>	Mugwort				r	
<i>Asparagus officinalis</i> *	Garden Asparagus				r	SCI
<i>Aster novi-belgii</i> *	Confused Michaelmas-daisy				r	
<i>Aster tripolium</i>	Sea Aster				f	
<i>Atriplex glabriuscula</i>	Babington's Orache				r	
<i>Atriplex laciniata</i>	Frosted Orache				r	SCI
<i>Atriplex littoralis</i>	Grass-leaved Orache				r	
<i>Atriplex portulacoides</i>	Sea Purslane				r	
<i>Atriplex prostrata</i>	Spear-leaved Orache				lf	
<i>Bellis perennis</i>	Daisy				r	
<i>Berula erecta</i>	Lesser Water-parsnip				la	
<i>Beta vulgaris maritima</i>	Sea Beet				r	

<i>Bidens tripartita</i>	Trifid Bur-marigold				r	
<i>Blackstonia perfoliata</i>	Yellow-wort				o	SCI
<i>Blysmus rufus</i>	Saltmarsh Flat-sedge			+	vla	SCI
<i>Bolboschoenus maritimus</i>	Sea Club-rush				ld	
<i>Brassica napus*</i>	Rape				r	
<i>Cakile maritima</i>	Sea Rocket				o	
<i>Calystegia sepium roseata</i>	Hedge Bindweed				r	
<i>Cardamine hirsuta</i>	Hairy Bitter-cress			+	r	
<i>Cardamine pratensis</i>	Cuckooflower			+	o	
<i>Carex arenaria</i>	Sand Sedge				lf	
<i>Carex distans</i>	Distant Sedge				r	
<i>Carex extensa</i>	Long-bracted Sedge				f	
<i>Carex flacca</i>	Glaucous Sedge				o	
<i>Carex otrubae</i>	False Fox-sedge				o	
<i>Carex ovalis</i>	Oval Sedge	+			r	
<i>Carex pendula</i>	Pendulous Sedge				r	
<i>Carex remota</i>	Remote Sedge				r	
<i>Carex remota</i> x <i>C. otrubae</i>	Hybrid sedge			+	r	
<i>Centaurea nigra</i>	Common Knapweed	+			r	
<i>Centaureum erythraea</i>	Common Centaury				r	
<i>Centaureum</i> x <i>intermedium</i>	Hybrid Centaury				r	
<i>Centaureum littorale</i>	Seaside Centaury				o	NS
<i>Centaureum pulchellum</i>	Lesser Centaury				a	SCI
<i>Cerastium diffusum</i>	Sea Mouse-ear			+	o	
<i>Cerastium fontanum</i>	Common Mouse-ear				f	
<i>Cerastium semidecandrum</i>	Little Mouse-ear			+	r	
<i>Chamerion angustifolium</i>	Rosebay Willowherb				o	
<i>Chenopodium album</i>	Fat-hen				r	
<i>Chenopodium rubrum</i>	Red Goosefoot				lf	SCI
<i>Cirsium arvense</i>	Creeping Thistle				o	
<i>Cirsium vulgare</i>	Spear Thistle				o	
<i>Cochlearia anglica</i>	English Scurvy-grass				lf	
<i>Conyza canadensis*</i>	Canadian Fleabane				lf	
<i>Crepis capillaris</i>	Smooth Hawk's-beard				o	
<i>Cruciata laevipes</i>	Crosswort				r	
x <i>Cupressocyparis leylandii*</i>	Leyland Cypress				r	
<i>Cyperus longus*</i>	Galingale				r	NS NT
<i>Dactylis glomerata</i>	Cock's-foot				r	
<i>Dactylorhiza incarnata coccinea</i>	Early Marsh-orchid				lf	NS
<i>Dactylorhiza incarnata incarnata</i>	Early Marsh-orchid			+	lo	SCI
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid			+	r	
<i>Dactylorhiza</i> x <i>grandis</i>	Hybrid Marsh-orchid			+	r	
<i>Dactylorhiza praetermissa</i>	Southern Marsh-orchid				lf	

<i>Dactylorhiza x wintoni</i>	Hybrid Marsh-orchid			+	r	
<i>Daucus carota</i>	Wild Carrot				r	
<i>Dipsacus fullonum</i>	Teasel				r	
<i>Eleocharis palustris</i>	Common Spike-rush	+			la	
<i>Eleocharis quinqueflora</i>	Few-flowered Spike-rush				r	SCI
<i>Elytrigia juncea</i>	Sand Couch				la	
<i>Elytrigia x laxa</i>	Hybrid Couch				r	
<i>Elytrigia repens</i>	Common Couch				o	
<i>Epilobium hirsutum</i>	Great Willowherb				o	
<i>Epilobium ciliatum*</i>	American Willowherb				r	
<i>Epilobium montanum</i>	Broad-leaved Willowherb				o	
<i>Epilobium palustre</i>	Marsh Willowherb				lf	
<i>Epilobium parviflorum</i>	Hoary Willowherb				o	
<i>Epilobium tetragonum</i>	Square-stalked Willowherb				r	
<i>Epipactis palustris</i>	Marsh Helleborine				lo	SCI
<i>Erigeron acer</i>	Blue Fleabane				lf	
<i>Eriophorum angustifolium</i>	Common Cottongrass				r	
<i>Erodium cicutarium</i>	Common Stork's-bill				r	
<i>Eryngium maritimum</i>	Sea Holly				lo	SCI
<i>Eupatorium cannabinum</i>	Hemp-agrimony				r	
<i>Euphorbia paralias</i>	Sea Spurge				lf	SCI
<i>Euphorbia portlandica</i>	Portland Spurge				r	SCI
<i>Euphrasia</i> sp.	Eyebright				lf	
<i>Euphrasia tetraquetra</i>	Eyebright		+		o	SCI
<i>Festuca arundinacea</i>	Tall Fescue				o	
<i>Festuca rubra</i>	Red Fescue				la	
<i>Festuca rubra juncea</i>	Red Fescue				r	
<i>Festuca rubra litoralis</i>	Red Fescue				la	
<i>Filipendula ulmaria</i>	Meadow-sweet				r	
<i>Galeopsis tetrahit</i>	Common Hemp-nettle				(r)	
<i>Galium aparine</i>	Cleavers				(vlf)	
<i>Galium palustre</i>	Marsh Bedstraw				r	
<i>Glaucium flavum</i>	Yellow-horned Poppy				(r)	SCI
<i>Glaux maritima</i>	Sea Milkwort				la	
<i>Helianthus annuus*</i>	Sunflower				r	
<i>Hippophae rhamnoides*</i>	Sea Buckthorn				o	
<i>Holcus lanatus</i>	Yorkshire-fog				f	
<i>Honckenya peploides</i>	Sea Sandwort				r	
<i>Hordeum</i> sp.*	Barley				(r)	
<i>Hydrocotyle vulgaris</i>	Marsh Pennywort				la	
<i>Hypochaeris radicata</i>	Cat's-ear				lf	
<i>Impatiens glandulifera*</i>	Indian Balsam				r	
<i>Iris pseudacorus</i>	Yellow Iris				o	
<i>Isolepis setacea</i>	Bristle Club-rush				r	

<i>Juncus ambiguus</i>	Frog Rush				lf	SCI
<i>Juncus articulatus</i>	Jointed Rush				f	
<i>Juncus balticus</i>	Baltic Rush				o	NS
<i>Juncus bufonius</i>	Toad Rush				lf	
<i>Juncus compressus</i>	Round-fruited Rush			+	f (?)	SCI NT
<i>Juncus effusus</i>	Soft Rush				r	
<i>Juncus gerardii</i>	Saltmarsh Rush				f	
<i>Juncus inflexus</i>	Hard Rush				r	
<i>Juncus maritimus</i>	Sea Rush				o	SCI
<i>Juncus x surrejanus</i>	Hybrid Rush		+		r	
<i>Juncus tenuis</i> *	Slender Rush				r	
<i>Leontodon autumnalis</i>	Autumn Hawkbit				r	
<i>Leontodon saxatilis</i>	Lesser Hawkbit				o	
<i>Leymus arenarius</i>	Lyme-grass				la	
<i>Linum usitatissimum</i> *	Flax				r	
<i>Lobelia erinus</i> *	Garden Lobelia				(r)	
<i>Lolium perenne</i>	Perennial Rye-grass				o	
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil				la	
<i>Lotus pedunculatus</i>	Greater Bird's-foot-trefoil				r	
<i>Lychnis coronaria</i> *	Rose Campion				r	
<i>Lychnis flos-cuculi</i>	Ragged-Robin	+			r	
<i>Lycopersicon esculentum</i> *	Tomato				lo	
<i>Lycopus europaeus</i>	Gypsywort				o	
<i>Melilotus altissimus</i> *	Tall Melilot				r	
<i>Melilotus officinalis</i> *	Ribbed Melilot				r	
<i>Mentha aquatica</i>	Water Mint				lf	
<i>Myosotis laxa caespitosa</i>	Tufted Forget-me-not				o	
<i>Odontites vernus</i>	Red Bartsia				o	
<i>Oenanthe crocata</i>	Hemlock Water-dropwort				o	
<i>Oenanthe lachenalii</i>	Parsley Water-dropwort				f	SCI
<i>Oenothera fallax</i> *	Intermediate Evening-primrose				o	
<i>Oenothera glazioviana</i> *	Large-flowered Evening-primrose				r	
<i>Ononis repens</i>	Common Restharrow				r	
<i>Panicum miliaceum</i> *	Common Millet				r	
<i>Parapholis strigosa</i>	Hard-grass				la	
<i>Parnassia palustris</i>	Grass-of-Parnassus	+			vlo	SCI
<i>Pastinaca sativa</i>	Wild Parsnip				r	
<i>Phleum arenarium</i>	Sand Cat's-tail				r	SCI
<i>Phleum pratense</i>	Timothy				r	
<i>Persicaria lapathifolia</i>	Pale Persicaria				r	
<i>Persicaria maculosa</i>	Redshank				r	

<i>Phalaris arundinacea</i>	Reed Canary-grass				r	
<i>Phalaris canariensis</i> *	Canary-grass		+		r	
<i>Phragmites australis</i>	Common Reed				ld	
<i>Pisum sativum</i> *	Garden Pea				(r)	
<i>Plantago coronopus</i>	Buck's-horn Plantain				o	
<i>Plantago lanceolata</i>	Ribwort Plantain				r	
<i>Plantago major</i>	Greater Plantain				lo	
<i>Plantago maritima</i>	Sea Plantain				o	
<i>Poa annua</i>	Annual Meadow-grass				o	
<i>Polygonum arenastrum</i>	Equal-leaved Knotgrass				r	
<i>Polygonum arviculare</i>	Knotgrass				r	
<i>Polygonum hydropiper</i>	Water-pepper				r	
<i>Polygonum oxyspermum raii</i>	Ray's Knotgrass				r	SCI
<i>Populus sp.*</i>	Poplar				r	
<i>Potentilla anserina</i>	Silverweed				la	
<i>Puccinellia distans</i>	Reflexed Saltmarsh-grass				r	SCI
<i>Puccinellia maritima</i>	Common Saltmarsh-grass				ld	
<i>Pulicaria dysenterica</i>	Common Fleabane				la	
<i>Quercus petraea</i>	Sessile Oak				r	
<i>Ranunculus acris</i>	Meadow Buttercup				r	
<i>Ranunculus flammula</i>	Lesser Spearwort				o	
<i>Ranunculus lingua</i>	Great Spearwort		+		r	
<i>Ranunculus repens</i>	Creeping Buttercup				o	
<i>Ranunculus sceleratus</i>	Celery-leaved Buttercup				lf	
<i>Raphanus raphanistrum maritimum</i>	Sea Radish				r	SCI
<i>Rhinanthus minor</i>	Yellow-rattle				o	
<i>Rorippa nasturtium-aquaticum</i>	Water-cress				vla	
<i>Rorippa palustris</i>	Marsh Yellow-cress				(r)	
<i>Rorippa sylvestris</i>	Creeping Yellow-cress				r	
<i>Rosa rugosa</i> *	Japanese Rose				r	
<i>Rubus caesius</i>	Dewberry				r	
<i>Rumex conglomeratus</i>	Clustered Dock				r	
<i>Rumex crispus</i>	Curled Dock				r	
<i>Rumex obtusifolius</i>	Broad-leaved Dock				r	
<i>Rumex sanguineus</i>	Wood Dock				r	
<i>Ruppia maritima</i>	Beaked Tasselweed			+	r	SCI
<i>Sagina apetala</i>	Annual Pearlwort				o	
<i>Sagina maritima</i>	Sea Pearlwort				o	
<i>Sagina nodosa</i>	Knotted Pearlwort				la	
<i>Sagina procumbens</i>	Procumbent Pearlwort				o	
<i>Salicornia europaea</i>	Common Glasswort				r	
<i>Salicornia dolichostachya</i>	Long-spiked Glasswort				lo	
<i>Salicornia fragilis</i>	Yellow Glasswort				lo	NS

<i>Salicornia ramosissima</i>	Purple Glasswort				lo	
<i>Salix alba</i>	White Willow		+		o	
<i>Salix x angusensis</i>	Hybrid Willow				r	NR
<i>Salix caprea</i>	Goat Willow				r	
<i>Salix cinerea</i>	Grey Willow				f	
<i>Salix x friesiana</i>	Hybrid Willow				r	NR
<i>Salix repens argentea</i>	Creeping Willow				lf	
<i>Salix repens repens</i>	Creeping Willow				r	
<i>Salix x rubens</i>	Hybrid Crack-willow				o	
<i>Salix x sericans</i>	Broad-leaved Osier				r	
<i>Salix x subsericia</i>	Hybrid Willow		+		r	
<i>Salix viminalis</i>	Osier				r	
<i>Salsola kali kali</i>	Prickly Saltwort				lo	SCI VU
<i>Samolus valerandi</i>	Brookweed				la	SCI
<i>Schoenoplectus pungens</i>	Sharp Club-rush				vla	NR
<i>Schoenoplectus tabernaemontani</i>	Grey Bulrush				o	SCI
<i>Scrophularia auriculata</i>	Water Figwort				r	
<i>Sedum acre</i>	Biting Stonecrop				lo	
<i>Senecio jacobaea</i>	Common Ragwort				lf	
<i>Senecio squalidus*</i>	Oxford Ragwort				r	
<i>Senecio vulgaris</i>	Groundsel				lo	
<i>Silene dioica</i>	Red Champion				r	
<i>Silene latifolia</i>	White Champion				r	
<i>Sisymbrium officinale</i>	Hedge Mustard				r	
<i>Sisyrinchium californicum*</i>	Yellow-eyed Grass				r	
<i>Solanum dulcamara</i>	Bittersweet				r	
<i>Solanum nigrum</i>	Black Nightshade				r	
<i>Sonchus arvensis</i>	Perennial Sow-thistle				lf	
<i>Sonchus asper</i>	Prickly Sow-thistle				o	
<i>Sonchus oleraceus</i>	Smooth Sow-thistle				r	
<i>Sparganium erectum</i>	Branched Bur-reed				r	
<i>Spartina anglica*</i>	Common Cord-grass				lo	
<i>Spergularia marina</i>	Lesser Sea-spurrey				lf	
<i>Spergularia media</i>	Great Sea-spurrey				lf	
<i>Stachys palustris</i>	Marsh Woundwort				r	
<i>Stellaria media</i>	Common Chickweed				r	
<i>Suaeda maritima</i>	Annual Sea-blite				lo	
<i>Taraxacum</i> sect. <i>Erythrosperma</i>	Dandelion				r	
<i>Taraxacum</i> sect. <i>Ruderalia</i>	Dandelion				o	
<i>Trifolium dubium</i>	Lesser Trefoil				lo	
<i>Trifolium fragiferum</i>	Strawberry Clover				la	SCI
<i>Trifolium hybridum*</i>	Alsike Clover				la	

<i>Trifolium pratense</i>	Red Clover				o	
<i>Trifolium repens</i>	White Clover				la	
<i>Triglochin maritimum</i>	Sea Arrow-grass				o	
<i>Triglochin palustre</i>	Marsh Arrow-grass				lf	SCI
<i>Tripleurospermum maritimum</i>	Sea Mayweed				o	
<i>Triticum aestivum</i> *	Bread Wheat				r	
<i>Tussilago farfara</i>	Colt's-foot				o	
<i>Typha angustifolia</i>	Lesser Bulrush				vla	
<i>Typha x glauca</i>	Hybrid Bulrush		+		r	
<i>Typha latifolia</i>	Bulrush				lf	
<i>Urtica dioica</i>	Common Nettle				r	
<i>Valeriana officinalis</i>	Common Valerian				r	
<i>Valerianella locusta</i>	Common Cornsalad			+	r	SCI
<i>Vicia cracca</i>	Tufted Vetch				lf	
<i>Vicia sativa nigra</i>	Common Vetch				r	
<i>Viola tricolor tricolor</i>	Wild Pansy				(r)	
<i>Vulpia fasciculata</i>	Dune Fescue				o	NS

Total taxa = 262; alien = 33 (12.6%); Total notable = 40 (15.3%) (NR = 3; NS = 6; SCI = 31; VU = 1; NT = 2).