

Vascular plants of Marshside salt-marsh and embryo dunes

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This list was compiled during site visits between 1998 and 2005. The study area is the salt-marsh and sand accumulations at the base of the seawall between Marshside Road and Hesketh Road. Frequency is given using the DAFOR scale. Year = first year recorded. National and regional status is obtained from *A Biodiversity Audit of North West England* (1999). NR = Nationally Rare; NS = Nationally Scarce; SCI = Species of Conservation Importance in North West England. Nomenclature follows Stace's *New Flora of the British Isles* (1997).

Taxon	English name	Freq..	Year	Status
<i>Agrostis stolonifera</i>	Creeping Bent	la	1998	
<i>Ammophila arenaria</i>	Marram	lf	1999	
<i>Armoracia rusticana</i> *	Horse-radish	r	1999	
<i>Arrhenatherum elatius</i>	False Oat-grass	la	1999	
<i>Artemisia vulgaris</i>	Mugwort	o	1998	
<i>Aster</i> sp.*	Michaelmas-daisy	la	1999	
<i>Aster tripolium</i>	Sea Aster	f	1998	
<i>Atriplex glabriuscula</i>	Babington's Orache	r	1998	
<i>Atriplex littoralis</i>	Grass-leaved Orache	lf	1998	
<i>Atriplex portulacoides</i>	Sea Purslane	o	1998	
<i>Atriplex prostrata</i>	Spear-leaved Orache	f	1998	
<i>Ballota nigra</i>	Black Horehound	r	1999	
<i>Beta vulgaris maritima</i>	Sea Beet	r	1998	
<i>Bolboschoenus maritimus</i>	Sea Club-rush	la	1998	
<i>Bromus inermis</i> *	Hungarian Brome	r	1999	
<i>Cakile maritima</i>	Sea Rocket	lo	1998	
<i>Carex extensa</i>	Long-bracted Sedge	lo	1998	
<i>Cerastium fontanum</i>	Common Mouse-ear	r	1998	
<i>Chamerion angustifolium</i>	Rosebay Willowherb	lf	1998	
<i>Chenopodium album</i>	Fat-hen	o	1998	
<i>Cirsium arvense</i>	Creeping Thistle	lo	1998	
<i>Cirsium vulgare</i>	Spear Thistle	r	1998	
<i>Cochlearia anglica</i>	English Scurvy-grass	o	1998	
<i>Conyza canadensis</i> *	Canadian Fleabane	r	1998	
<i>Crepis capillaris</i>	Smooth Hawk's-beard	r	1998	
<i>Crithmum maritimum</i>	Rock Samphire	r	2005	SCI
<i>Dactylis glomerata</i>	Cock's-foot	r	1999	
<i>Elytrigia juncea</i>	Sand Couch	lf	1998	
<i>Elytrigia repens</i>	Common Couch	ld	1999	
<i>Epilobium hirsutum</i>	Great Willowherb	o	1998	
<i>Epilobium parviflorum</i>	Hoary Willowherb	o	1999	

<i>Eryngium maritimum</i>	Sea Holly	lo	1998	SCI
<i>Euphorbia paralias</i>	Sea Spurge	r	1998	SCI
<i>Festuca rubra</i>	Red Fescue	ld	1998	
<i>Glaux maritima</i>	Sea Milkwort	la	1998	
<i>Hippophae rhamnoides*</i>	Sea Buckthorn	r	1999	
<i>Honckenya peploides</i>	Sea Sandwort	r	1998	
<i>Hordeum murinum</i>	Wall Barley	r	1999	
<i>Hordeum sp.*</i>	Barley	r	1999	
<i>Hypochaeris radicata</i>	Cat's-ear	r	1999	
<i>Juncus gerardii</i>	Saltmarsh Rush	vla	1998	
<i>Lamium maculatum*</i>	Spotted Dead-nettle	lf	1999	
<i>Leontodon autumnalis</i>	Autumn Hawkbit	r	1999	
<i>Leymus arenarius</i>	Lyme-grass	la	1998	
<i>Lotus corniculatus</i>	Common Bird's-foot-trefoil	r	1999	
<i>Medicago lupulina</i>	Black Medick	r	1999	
<i>Melilotus altissimus*</i>	Tall Melilot	r	1999	
<i>Oenanthe lachenalii</i>	Parsley Water-dropwort	r	1999	SCI
<i>Oenothera fallax*</i>	Intermediate Evening-primrose	o	1998	
<i>Ononis repens</i>	Common Restharrow	r	1999	
<i>Paeonia officinalis*</i>	Garden Peony	r	2005	
<i>Parapholis strigosa</i>	Hard-grass	la	1998	
<i>Pastinaca sativa</i>	Wild Parsnip	lo	1998	
<i>Persicaria lapathifolia</i>	Pale Persicaria	r	1998	
<i>Phleum arenarium</i>	Sand Cat's-tail	r	1999	SCI
<i>Plantago coronopus</i>	Buck's-horn Plantain	r	1998	
<i>Plantago lanceolata</i>	Ribwort Plantain	o	1998	
<i>Plantago major</i>	Greater Plantain	o	1999	
<i>Plantago maritima</i>	Sea Plantain	o	1998	
<i>Poa annua</i>	Annual Meadow-grass	o	1999	
<i>Polygonum oxyspermum raii</i>	Ray's Knotgrass	r	1998	SCI
<i>Puccinellia distans</i>	Reflexed Saltmarsh-grass	o	1999	SCI
<i>Puccinellia maritima</i>	Common Saltmarsh-grass	a	1998	
<i>Raphanus raphanistrum maritimum</i>	Sea Radish	o	1998	SCI
<i>Rosa canina</i> agg.	Dog-rose	r	1999	
<i>Rosa rugosa*</i>	Japanese Rose	r	1998	
<i>Rumex crispus</i>	Curled Dock	o	1998	
<i>Rumex obtusifolius</i>	Broad-leaved Dock	r	1998	
<i>Sagina procumbens</i>	Procumbent Pearlwort	r	1998	
<i>Salicornia dolichostachya</i>	Long-stalked Glasswort	la	2003	
<i>Salicornia fragilis</i>	Yellow Glasswort	lf	2003	NS
<i>Salicornia ramosissima</i>	Purple Glasswort	la	2003	
<i>Salsola kali kali</i>	Prickly Saltwort	r	1999	SCI

<i>Saponaria officinalis</i> *	Soapwort	r	1999	
<i>Sedum acre</i>	Biting Stonecrop	lo	1998	
<i>Senecio jacobaea</i>	Common Ragwort	o	1998	
<i>Senecio vulgaris</i>	Groundsel	o	1998	
<i>Sonchus arvensis</i>	Perennial Sow-thistle	lf	1998	
<i>Sonchus asper</i>	Prickly Sow-thistle	r	1999	
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	o	1998	
<i>Spartina anglica</i> *	Common Cord-grass	f	1998	
<i>Spergularia media</i>	Greater Sea-spurrey	r	1999	
<i>Stellaria media</i>	Common Chickweed	r	1998	
<i>Suaeda maritima</i>	Annual Sea-blite	o	1998	
<i>Tanacetum vulgare</i>	Tansy	r	1999	
<i>Taraxacum</i> sect. <i>Ruderalia</i>	Dandelion	o	1998	
<i>Trifolium arvense</i>	Hare's-foot Clover	r	1999	
<i>Trifolium pratense</i>	Red Clover	o	1998	
<i>Trifolium repens</i>	White Clover	o	1998	
<i>Triglochin maritimum</i>	Sea Arrow-grass	o	1998	
<i>Tripleurospermum maritimum</i>	Sea Mayweed	f	1998	
<i>Triticum aestivum</i> *	Bread Wheat	r	1999	
<i>Urtica dioica</i>	Common Nettle	r	1999	
<i>Vicia cracca</i>	Tufted Vetch	r	1998	
Tot. 94 taxa; 14 alien (14.9%)	(1 NS; 9 SCI)			