

Improvement Programme for England's Natura 2000 Sites
(IPENS) – Planning for the Future IPENS012

Alde-Ore Estuary Complex NVC 2013

Appendix C: Vegetation species data per unit - Alde-Ore
Estuary SSSI

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Appendix C:
Vegetation species data per unit
Alde-Ore Estuary SSSI

Community type	Total area (ha)	Percentage of whole site
Saltmarsh	278.01	79.62
Shingle	46.04	13.18
Woodland	11	3.64
Open vegetation	0.26	0.07
Sand dune	0.06	0.02
Grassland	1.32	0.38
Mire	0.67	0.19
Grasslands	5.99	1.72
Heathland	1.34	0.38
Aquatic	2.64	0.76
Whole sample area	349.16	100.00

Table C1. The occurrence and extent of NVC community types found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

NVC Community	Area (ha)	Percentage of community in NVC category	Percentage of NVC community with-in sample area
W2	4.03	31.66	1.15
W10b	3.40	26.71	0.97
W6b	1.84	14.43	0.53
W10a	1.21	9.55	0.35
W7	0.79	6.18	0.23
W21	0.45	3.56	0.13
W10	0.41	3.21	0.12
W23	0.29	2.26	0.08
W16	0.21	1.64	0.06
W22	0.10	0.80	0.03
CG3c	0.06	100.00	0.02
M22a	0.40	59.92	0.11
M23a	0.27	40.53	0.08
MG11	0.58	43.58	0.16
MG1	0.43	32.52	0.12
MG1a	0.31	23.27	0.09
MG11b	0.01	0.75	0.00
OV21	0.26	100.00	0.07
U1f	5.80	79.11	1.66
U20	1.34	18.28	0.38
U1b	0.19	2.61	0.05
A21	2.64	100.00	0.76
SD1	0.04	66.78	0.01
SD1a	0.01	23.38	0.00
SD10	0.01	15.68	0.00
SH6	7.93	17.23	2.27
SH41	7.36	15.99	2.11
SH36	6.67	14.49	1.91
SH39	5.29	11.50	1.52
SH1	5.25	11.41	1.50
SH38	3.94	8.55	1.13
SH11	3.68	8.00	1.06
SH34	3.22	7.00	0.92
SH40	1.71	3.70	0.49
SH109	0.50	1.08	0.14
SH2a	0.48	1.04	0.14

Table C2. The occurrence and extent of NVC community types found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013. Saltmarsh and swamp community data are given in table C3.

NVC Community	Area (ha)	Percentage of community in NVC category	Percentage of NVC community within sample area
S4d	60.05	21.60	17.20
S21	0.80	0.29	0.23
S26b	0.36	0.13	0.10
S25a	0.34	0.12	0.10
SM13c	29.84	10.73	8.55
SM6	29.46	10.60	8.44
SM13a	27.84	10.01	7.97
SM14c	22.78	8.19	6.52
SM24	21.46	7.72	6.14
SM14a	16.94	6.09	4.85
SM16b	12.98	4.67	3.72
SM15	11.14	4.01	3.19
SM14b	9.66	3.48	2.77
SM11	9.54	3.43	2.73
SM10	7.07	2.54	2.03
SM16a	7.04	2.53	2.02
SM8	4.30	1.55	1.23
SM13f	1.94	0.70	0.55
SM16c	1.56	0.56	0.45
SM13d	1.18	0.42	0.34
SM13b	0.45	0.16	0.13
SM23	0.42	0.15	0.12
SM13	0.39	0.14	0.11
SM14	0.28	0.10	0.08
SM9	0.12	0.04	0.04
SM17	0.06	0.02	0.02
SM28	0.00	0.00	0.00

Table C3. The occurrence and extent of NVC swamp and saltmarsh community types found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	MG11	MG11b	MG1a	MG1b	MG6a	MG6c	U1b	U1f
<i>Achillea millefolium</i>			x				x	x
<i>Agrostis canina</i>			x					
<i>Agrostis canina</i>							x	
<i>Agrostis capillaris</i>								x
<i>Agrostis stolonifera</i>	x	x						
<i>Aira praecox</i>							x	
<i>Anthoxanthum odoratum</i>								x
<i>Arrhenatherum elatius</i>	x		x	x	x		x	x
<i>Asparagus officinalis</i>			x					
<i>Atriplex littoralis</i>			x	x				
<i>Beta vulgaris</i> subsp. <i>Maritima</i>	x		x					
<i>Brachythecium albicans</i>							x	
<i>Bromus hordeaceus</i>			x					
<i>Bromus hordeaceus</i> subsp. <i>hordeaceus</i>	x						x	
<i>Campylopus introflexus</i>	x							
<i>Carex arenaria</i>	x						x	
<i>Carex distans</i>			x					
<i>Cerastium fontanum</i>	x		x		x		x	x
<i>Cerastium semidecandrum</i>							x	
<i>Chaerophyllum temulum</i>			x					
<i>Cirsium arvense</i>	x		x	x		x		
<i>Cirsium vulgare</i>	x		x	x		x	x	
<i>Cladonia fimbriata</i>							x	
<i>Cladonia furcata</i>							x	x
<i>Convolvulus arvensis</i>			x					
<i>Crepis capillaris</i>	x							
<i>Crepis vesicaria</i>							x	
<i>Cynosurus cristatus</i>			x		x	x		
<i>Cytisus scoparius</i>							x	
<i>Dactylis glomerata</i>			x	x				
<i>Dicranum scoparium</i>								x
<i>Draba incana</i>			x					
<i>Elytrigia atherica</i>	x	x	x		x	x		
<i>Elytrigia repens</i>	x		x	x				
<i>Eurhynchium praelongum</i>							x	x
<i>Festuca rubra</i>	x	x	x		x		x	x
<i>Galium aparine</i>			x	x				
<i>Galium verum</i>			x					
<i>Geranium dissectum</i>			x					

Table C4i. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	MG11	MG11b	MG1a	MG1b	MG6a	MG6c	U1b	U1f
<i>Heracleum sphondylium</i>				x				
<i>Holcus lanatus</i>		x	x					
<i>Holcus mollis</i>			x				x	
<i>Hordeum secalinum</i>			x		x			
<i>Hypnum cupressiforme</i>							x	
<i>Hypochaeris glabra</i>						x	x	
<i>Hypochaeris radicata</i>			x				x	
<i>Hypochaeris radicata</i>								x
<i>Juncus maritimus</i>	x							
<i>Lactuca serriola</i>	x			x				
<i>Lathyrus nissolia</i>			x				x	
<i>Lolium perenne</i>	x		x			x	x	
<i>Lotus tenuis</i>	x							
<i>Malva sylvestris</i>			x					
<i>Medicago minima</i>			x			x	x	
<i>Oenanthe lachenalii</i>		x						
<i>Phleum bertolonii</i>			x					
<i>Phragmites australis</i>			x	x				
<i>Picris echioides</i>			x		x			
<i>Pilosella officinarum</i>							x	
<i>Plantago coronopus</i>							x	
<i>Plantago lanceolata</i>	x		x		x	x	x	x
<i>Poa trivialis</i>	x		x					x
<i>Potentilla anserina</i>		x						
<i>Pseudosclerodopium purum</i>							x	x
<i>Ranunculus repens</i>			x					
<i>Rumex acetosella</i>	x		x				x	x
<i>Rumex crispus</i>			x				x	
<i>Rumex obtusifolius</i>			x					

Table C4ii. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	MG11	MG11b	MG1a	MG1b	MG6a	MG6c	U1b	U1f
<i>Sedum acre</i>							x	
<i>Sedum anglicum</i>								x
<i>Senecio erucifolius</i>			x					
<i>Senecio jacobaea</i>							x	x
<i>Seriphidium maritimum</i>			x					
<i>Silene dioica</i>				x				
<i>Silene uniflora</i>							x	x
<i>Smyrniium olusatrum</i>			x					
<i>Sonchus arvensis</i>		x	x	x				
<i>Sonchus asper</i>			x					
<i>Sonchus oleraceus</i>			x				x	
<i>Torilis japonica</i>			x					
<i>Torilis nodosa</i>			x		x			
<i>Tragopogon pratensis</i>			x				x	
<i>Trifolium arvense</i>							x	
<i>Trifolium campestre</i>	x						x	
<i>Trifolium dubium</i>							x	
<i>Trifolium micranthum</i>							x	
<i>Trifolium pratense</i>							x	
<i>Trifolium repens</i>			x					
<i>Trifolium scabrum</i>							x	
<i>Ulex europaeus</i>	x							x
<i>Urtica dioica</i>			x	x				
<i>Vicia hirsuta</i>	x		x		x		x	
<i>Vicia lutea</i>			x				x	
<i>Vicia sativa</i>	x		x		x			
<i>Vulpia bromoides</i>	x						x	x

Table C4iii. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	SM4	SM6	SM8	SM9	SM10	SM11	SM12	SM13	SM13a	SM13b	SM13c	SM13d	SM13f	SM14	SM14a	SM14b	SM14c	SM15	SM16	SM16a	SM16b	SM16c	SM16d	SM17	SM23	SM24	SM25a	SM25b	SM26a	SM28	
<i>Achillea millefolium</i>																							x								
<i>Agrostis canina</i>																							x				x				
<i>Agrostis stolonifera</i>							x												x	x		x	x	x			x				
<i>Althaea officinalis</i>																							x					x			
<i>Anthriscus sylvestris</i>																												x			
<i>Apium graveolens</i>							x												x			x									
<i>Armeria maritima</i>	x								x	x	x				x	x	x	x	x	x		x	x	x	x						
<i>Arrhenatherum elatius</i>																											x			x	
<i>Artemisia vulgaris</i>																								x							
<i>Asparagus officinalis</i>																											x				
<i>Aster tripolium</i>	x				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x			x	x		
<i>Atriplex glabriuscula</i>				x																			x								
<i>Atriplex littoralis</i>				x			x																			x	x				
<i>Atriplex patula</i>																							x					x			
<i>Atriplex portulacoides</i>	x				x	x		x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x		x	x	x	x		
<i>Atriplex prostrata</i>					x	x		x	x							x		x				x					x				
<i>Beta vulgaris subsp. Maritima</i>				x		x									x										x		x				
<i>Bolboschoenus maritimus</i>						x	x												x			x					x				
<i>Bostrychia scorpioides</i>				x							x	x										x					x				
<i>Bromus hordeaceus</i>																x									x		x			x	
<i>Bromus hordeaceus subsp. hordeaceus</i>																										x					
<i>Bupleurum tenuissimum</i>																x									x		x			x	
<i>Calystegia silvatica</i>																											x				
<i>Carex distans</i>																											x				
<i>Carex extensa</i>																							x								
<i>Cerastium fontanum</i>																x									x		x				
<i>Chaerophyllum temulum</i>																											x				
<i>Cirsium arvense</i>																											x				
<i>Cirsium vulgare</i>																											x			x	
<i>Cochlearia anglica</i>										x					x			x				x	x								
<i>Cochlearia officinalis</i>															x												x				
<i>Conium maculatum</i>																											x				
<i>Convolvulus arvensis</i>																											x				
<i>Conyza canadensis</i>																											x				
<i>Crepis vesicaria</i>																									x						
<i>Cynosurus cristatus</i>																											x			x	
<i>Dactylis glomerata</i>																										x		x		x	
<i>Draba incana</i>																											x				
<i>Elytrigia atherica</i>				x		x	x			x	x			x	x	x		x				x	x	x	x	x	x	x	x	x	
<i>Elytrigia repens</i>																										x		x			x
<i>Enteromorpha intestinalis</i>					x														x			x									
<i>Enteromorpha linza</i>										x																					
<i>Festuca arundinacea</i>																				x							x				
<i>Festuca pratensis</i>																											x				
<i>Festuca rubra</i>									x	x	x		x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	

Table C4iiii The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	SM4	SM6	SM8	SM9	SM10	SM11	SM12	SM13	SM13a	SM13b	SM13c	SM13d	SM13f	SM14	SM14a	SM14b	SM14c	SM15	SM16	SM16a	SM16b	SM16c	SM16d	SM17	SM23	SM24	SM25a	SM25b	SM26a	SM28
<i>Festuca rubra</i> subsp. <i>littoralis</i>																					x							x		
<i>Filamentous algae</i>		x		x																										
<i>Fucus serratus</i>																														
<i>Fucus vesiculosus</i>		x														x														
<i>Galium aparine</i>																														
<i>Geranium dissectum</i>																														
<i>Glauca maritima</i>		x		x	x	x				x	x	x				x		x			x	x								
<i>Henediella heimii</i>																														
<i>Holcus lanatus</i>																														
<i>Hordeum secalinum</i>																														
<i>Hypnum cupressiforme</i>																														
<i>Hypochaeris radicata</i>																														
<i>Inula crithmoides</i>																														
<i>Juncus gerardii</i>				x		x			x	x	x	x			x	x	x	x			x	x			x	x	x			
<i>Juncus maritimus</i>						x			x		x	x				x	x	x			x									
<i>Lactuca serriola</i>																														
<i>Lactuca virosa</i>																														
<i>Lathyrus nissolia</i>																														
<i>Leontodon autumnalis</i>																														
<i>Leontodon hispidus</i>																														
<i>Leontodon saxatilis</i>																														
<i>Limonium humile</i>				x						x											x									
<i>Limonium vulgare</i>		x	x		x	x	x		x	x	x	x	x	x	x	x	x	x	x		x	x	x	x	x	x			x	
<i>Lolium perenne</i>																														
<i>Lotus tenuis</i>																														
<i>Malva sylvestris</i>																														
<i>Medicago lupulina</i>																														
<i>Medicago sativa</i> subsp. <i>sativa</i>																														
<i>Oenanthe lachenalii</i>																														
<i>Parapholis incurva</i>																														
<i>Parapholis strigosa</i>																														
<i>Phragmites australis</i>		x					x		x	x		x	x	x	x	x					x	x								
<i>Picris echioides</i>																														
<i>Plantago coronopus</i>																														
<i>Plantago lanceolata</i>																														
<i>Plantago major</i>																														
<i>Plantago maritima</i>		x			x	x			x	x	x	x	x	x	x	x	x	x			x	x	x	x	x	x	x		x	
<i>Poa annua</i>																														
<i>Poa trivialis</i>																														
<i>Polygonum arenarium</i>																														
<i>Polygonum aviculare</i>																														
<i>Potentilla anserina</i>																														
<i>Potentilla reptans</i>																														
<i>Pseudosclerodopium purum</i>																														
<i>puccinellia distans</i>																														
<i>Puccinellia fasciculata</i>																														
<i>Puccinellia maritima</i>		x	x		x	x	x		x	x	x	x	x	x	x	x	x	x			x	x	x							

Table C4v. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	SMA4	SMA6	SMA8	SMA9	SMA10	SMA11	SMA12	SMA13	SMA13a	SMA13b	SMA13c	SMA13d	SMA13f	SMA14	SMA14a	SMA14b	SMA14c	SMA15	SMA16	SMA16a	SMA16b	SMA16c	SMA16d	SMA17	SMA23	SMA24	SMA25a	SMA25b	SMA26a	SMA28	
<i>Puccinellia rupestris</i>																					x				x						
<i>Rhinanthus minor</i>																							x								
<i>Rubus sp</i>																														x	
<i>Rumex crispus</i>																							x				x				
<i>Rumex obtusifolius</i>																											x				
<i>Salicornia agg</i>				x							x																				
<i>Salicornia dolichostachya</i>	x		x	x					x		x	x	x		x		x	x													
<i>Salicornia europaea</i>	x		x	x	x	x	x	x	x		x	x	x		x	x	x	x				x			x	x					
<i>Salicornia pusilla</i>	x		x						x		x				x																
<i>Salicornia ramosissima</i>				x	x	x	x	x	x		x	x	x		x	x	x					x							x		
<i>Sarcocornia perennis</i>				x					x	x	x		x			x	x										x				
<i>Senecio jacobaea</i>																									x		x			x	
<i>Seriphidium maritimum</i>															x	x						x	x	x	x	x	x			x	
<i>Silene dioica</i>																											x				
<i>Sinapis alba</i>																											x				
<i>Sonchus arvensis</i>				x															x				x				x				
<i>Sonchus asper</i>																									x		x				
<i>Sonchus oleraceus</i>																									x		x				
<i>Sonchus palustris</i>																											x				
<i>Spartina anglica</i>		x		x	x	x			x		x	x	x		x	x	x	x				x									
<i>Spartina maritima</i>	x			x					x	x	x		x					x													
<i>Spartina maritima x alterniflora =</i>																															
<i>S. x townsendii</i>		x							x			x	x	x	x	x															
<i>Spergularia marina</i>									x				x									x				x				x	
<i>Spergularia media</i>		x		x	x	x	x	x	x		x	x	x	x	x	x	x	x				x	x	x	x	x	x			x	
<i>Spergularia rubra</i>									x	x															x		x				
<i>Suaeda maritima</i>		x		x	x	x	x	x	x		x	x	x	x	x	x	x	x				x	x	x	x	x	x				
<i>Suaeda vera</i>																													x		
<i>Taraxacum officinalis</i>																											x				
<i>Torilis japonica</i>																											x			x	
<i>Torilis nodosa</i>																x									x		x			x	
<i>Tragopogon pratensis</i>																											x				
<i>Trifolium dubium</i>																										x					
<i>Trifolium pratense</i>																								x							
<i>Trifolium repens</i>																										x		x			x
<i>Triglochin maritimum</i>		x		x	x	x			x	x	x	x	x	x	x	x	x	x				x	x	x	x	x	x			x	
<i>Tripleurospermum maritimum</i>																															
<i>subsp maritimum</i>																											x				
<i>Ulva lactuca</i>													x																		
<i>Urtica dioica</i>																											x				
<i>Vicia hirsuta</i>																											x				
<i>Vicia sativa</i>																										x		x			x
<i>Vulpia bromoides</i>																											x				

Table C4vi. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	W10a	W10d	W6a	W6d
<i>Acer pseudoplatanus</i>		x		x
<i>Agrostis canina</i>	x			
<i>Alnus glutinosa</i>		x	x	x
<i>Althaea officinalis</i>		x		
<i>Angelica sylvestris</i>			x	x
<i>Arrhenatherum elatius</i>	x		x	
<i>Bryonia dioica</i>	x			
<i>Caltha palustris</i>				x
<i>Carex remota</i>				x
<i>Circaea lutetiana</i>				x
<i>Cirsium palustre</i>				x
<i>Corylus avellana</i>		x		
<i>Crataegus monogyna</i>	x			
<i>Dryopteris filix-mas</i>				x
<i>Elytrigia atherica</i>	x	x		
<i>Epilobium ciliatum</i>			x	
<i>Equisetum palustre</i>			x	
<i>Eupatorium cannabinum</i>			x	
<i>Fraxinus excelsior</i>				x
<i>Glechoma hederacea</i>	x	x	x	x
<i>Glyceria fluitans</i>			x	
<i>Hedera helix</i>			x	
<i>Holcus lanatus</i>	x	x	x	x
<i>Humulus lupulus</i>				x
<i>Hyacinthoides non-scripta</i>		x		
<i>Ilex aquifolium</i>	x			
<i>Juncus effusus</i>				x
<i>Lonicera periclymenum</i>			x	
<i>Mentha aquatica</i>			x	x
<i>Phragmites australis</i>		x	x	x
<i>Primula vulgaris</i>			x	
<i>Prunus spinosa</i>	x			
<i>Pteridium aquilinum</i>	x	x		
<i>Quercus robur</i>	x	x		
<i>Ranunculus acris</i>			x	
<i>Ranunculus repens</i>				x
<i>Ribes nigrum</i>				x
<i>Rubus idaeus</i>				x
<i>Rubus sp</i>	x	x	x	
<i>Salix cinerea</i>			x	
<i>Sambucus nigra</i>				x
<i>Samolus valerandi</i>			x	
<i>Silene dioica</i>		x		x
<i>Solanum dulcamara</i>				x
<i>Sonchus arvensis</i>	x			
<i>Stachys sylvatica</i>		x	x	
<i>Ulex europaeus</i>		x		
<i>Ulmus glabra</i>		x		
<i>Ulmus minor</i>		x		
<i>Urtica dioica</i>	x	x	x	
<i>Veronica beccabunga</i>				x

Table C4vii. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	A21	OV10b	OV14	OV19c	OV21c
<i>Agrostis canina</i>					x
<i>Amaranthus hybridus</i>			x		
<i>Amsinckia micrantha</i>				x	
<i>Anisantha diandra</i>			x		
<i>Aphanes arvensis</i>					x
<i>Arrhenatherum elatius</i>		x		x	
<i>Atriplex littoralis</i>		x			
<i>Atriplex patula</i>		x			
<i>Atriplex prostrata</i>				x	
<i>Ballota nigra</i>		x			
<i>Callitriche obtusangula</i>	x				
<i>Callitriche stagnalis</i>	x				
<i>Ceratophyllum demersum</i>	x				
<i>Chenopodium album</i>			x	x	
<i>Cirsium vulgare</i>				x	
<i>Coronopus squamatus</i>				x	
<i>Dactylis glomerata</i>		x			
<i>Descurainia sophia</i>			x		
<i>Dipsacus fullonum</i>		x			
<i>Draba incana</i>		x			
<i>Elytrigia atherica</i>					x
<i>Enteromorpha intestinalis</i>	x				
<i>Epilobium ciliatum</i>				x	
<i>Holcus lanatus</i>				x	
<i>Leontodon autumnalis</i>					x
<i>Lolium perenne</i>		x		x	x
<i>Malva sylvestris</i>		x			
<i>Matricaria discoidea</i>				x	x
<i>Matricaria recutita</i>		x			
<i>Medicago lupulina</i>				x	
<i>Melilotus altissimus</i>		x			
<i>Mercurialis annua</i>				x	
<i>Odontites vernus</i>					x
<i>Oenothera glazioviana</i>				x	
<i>Open water</i>	x				
<i>Papaver rhoeas</i>				x	
<i>Persicaria hydropiper</i>				x	
<i>Phleum bertolonii</i>				x	
<i>Phragmites australis</i>				x	x
<i>Picris echioides</i>		x		x	
<i>Plantago coronopus</i>		x			
<i>Plantago lanceolata</i>				x	x
<i>Plantago major</i>		x			x
<i>Poa annua</i>		x		x	x
<i>Polygonum aviculare</i>		x		x	x
<i>Potamogeton pectinatus</i>	x				
<i>Potentilla anserina</i>					x
<i>Potentilla reptans</i>		x			
<i>Reseda lutea</i>				x	
<i>Rumex obtusifolius</i>		x		x	
<i>Ruppia maritima</i>	x				

Table C4viii. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

Species	A21	OV10b	OV14	OV19c	OV21c
<i>Sagina apetala</i>					x
<i>Senecio jacobaea</i>		x			
<i>Silene latifolia</i>		x			
<i>Sinapis alba</i>		x		x	
<i>Sinapis arvensis</i>				x	
<i>Solanum sarachoides</i>			x		
<i>Solanum triflorum</i>			x		
<i>Sonchus arvensis</i>		x			
<i>Sonchus asper</i>				x	
<i>Sonchus oleraceus</i>				x	
<i>Trifolium striatum</i>					x
<i>Ulex europaeus</i>				x	
<i>Urtica urens</i>			x		
<i>Utricularia vulgaris</i>	x				
<i>Viola arvensis</i>			x		
<i>Zannichellia palustris</i>	x				

Table C4ix. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

	SH1	SH11	SH2a	SH34	SH36	SH38	SH39	SH40	SH41	SH6
<i>Achillea millefolium</i>								x		
<i>Agrostis canina</i>				x						
<i>Aira caryophylla</i>								x		
<i>Aira praecox</i>						x	x	x	x	
<i>Arenaria serpyllifolia</i> subsp. <i>serpyllifolia</i>								x		
<i>Armeria maritima</i>				x	x			x		
<i>Arrhenatherum elatius</i>	x	x	x		x	x	x	x	x	
<i>Atriplex glabriuscula</i>		x	x							x
<i>Atriplex littoralis</i>			x							
<i>Atriplex portulacoides</i>				x						
<i>Bare mud</i>										
<i>Bare shingle</i>		x		x						
<i>Bellis perennis</i>								x		
<i>Beta vulgaris</i> subsp. <i>Maritima</i>	x	x	x	x		x		x		x
<i>Bostrychia scorpioides</i>	x			x				x	x	x
<i>Brachythecium albicans</i>						x		x		
<i>Briza maxima</i>								x		
<i>Bromus hordeaceus</i>					x	x	x	x		
<i>Bromus hordeaceus</i> subsp. <i>hordeaceus</i>	x							x	x	
<i>Campylopus introflexus</i>						x				
<i>Campylopus introflexus</i>								x		
<i>Carduus tenuiflorus</i>								x		
<i>Catapodium marinum</i>			x	x		x		x	x	x
<i>Catapodium rigidum</i>						x		x		
<i>Cerastium diffusum</i>				x	x	x		x		
<i>Cerastium fontanum</i>	x		x		x		x	x	x	
<i>Cerastium semidecandrum</i>				x			x	x		
<i>Ceratodon purpureus</i>									x	
<i>Cirsium vulgare</i>	x							x		
<i>Cladonia cervicornis</i>						x				
<i>Cladonia ciliata</i> agg							x			
<i>Cladonia coniocraea</i>								x		
<i>Cladonia fimbriata</i>					x	x		x	x	
<i>Cladonia furcata</i>				x	x	x	x	x	x	
<i>Cladonia humilis</i>					x					
<i>Cladonia portentosa</i>					x	x	x		x	
<i>Cladonia rangiformis</i>						x	x	x		
<i>Cochlearia officinalis</i>			x					x	x	x
<i>Collema tenax</i>				x						
<i>Crambe maritima</i>	x	x								x
<i>Crepis capillaris</i>							x	x		
<i>Crepis vesicaria</i>	x		x				x	x		
<i>Crithmum maritimum</i>								x		
<i>Cynosurus cristatus</i>				x						
<i>Dicranium scoparium</i>				x						
<i>Dicranum scoparium</i>				x			x			
<i>Echium vulgare</i>			x					x		
<i>Elytrigia atherica</i>	x		x	x				x		
<i>Erophila verna</i>				x				x		
<i>Eurhynchium praelongum</i>						x	x	x	x	

Table C4x. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

	SH1	SH11	SH2a	SH34	SH36	SH38	SH39	SH40	SH41	SH6
<i>Evernia prunastri</i>									x	
<i>Festuca ovina</i>						x		x		
<i>Festuca rubra</i>	x		x	x	x	x	x	x		
<i>Festuca rubra subsp littoralis</i>				x						
<i>Galium verum</i>								x		
<i>Geranium robertianum</i>		x	x							
<i>Glaucium flavum</i>		x								x
<i>Helichrysum italicum</i>								x		
<i>Holcus lanatus</i>			x					x		
<i>Hordeum secalinum</i>				x						
<i>Hypnum cupressiflorum</i>								x		
<i>Hypnum cupressiforme</i>			x		x			x		
<i>Hypochaeris glabra</i>							x	x		
<i>Hypochaeris radicata</i>	x		x		x	x	x	x	x	x
<i>Lactuca serriola</i>	x							x	x	
<i>Lathyrus japonicus</i>	x	x	x							x
<i>Leontodon hispidus</i>									x	
<i>Leontodon saxatilis</i>								x		
<i>Limonium binervosum</i>				x						
<i>Lolium perenne</i>								x		
<i>Lotus tenuis</i>				x	x					
<i>Medicago lupulina</i>			x							
<i>Medicago minima</i>								x		
<i>Ononis spinosa</i>				x						
<i>Parapholis incurva</i>				x						
<i>Parmelia caperata</i>									x	
<i>Peltigera canina</i>						x		x		
<i>Petroselinum crispum</i>								x		
<i>Phleum bertolonii</i>			x					x		
<i>Plantago coronopus</i>			x	x	x			x		
<i>Plantago lanceolata</i>	x		x		x	x	x	x	x	
<i>Plantago major</i>			x							
<i>Plantago maritima</i>				x						
<i>Poa annua</i>								x		
<i>Poa bulbosa</i>								x		
<i>Poa compressa</i>							x			
<i>Poa infirma</i>			x							
<i>Poa trivialis</i>						x	x	x		
<i>Polygonum aviculare</i>			x							
<i>Pseudosclerodopium purum</i>							x	x		
<i>Puccinellia maritima</i>				x						
<i>Rumex acetosella</i>			x			x	x	x		
<i>Rumex crispus subsp littoralis</i>	x	x	x							x
<i>Sagina apetala</i>				x				x		
<i>Scutellaria galericulata</i>			x							
<i>Sedum acre</i>			x	x	x	x	x	x	x	
<i>Sedum album</i>								x		

Table C4xi. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

	SH1	SH11	SH2a	SH34	SH36	SH38	SH39	SH40	SH41	SH6
<i>Sedum anglicum</i>								x		
<i>Sedum spurium</i>								x		
<i>Senecio jacobaea</i>			x				x	x	x	
<i>Seriphidium maritimum</i>				x						
<i>Silene uniflora</i>	x	x	x	x	x	x	x	x	x	x
<i>Sonchus asper</i>			x							
<i>Sonchus oleraceus</i>			x			x	x		x	
<i>Spergularia marina</i>				x						
<i>Torilis nodosa</i>			x							
<i>Tragopogon pratensis</i>								x		
<i>Trifolium arvense</i>			x	x	x			x		
<i>Trifolium campestre</i>								x		
<i>Trifolium glomeratum</i>								x		
<i>Trifolium micranthum</i>								x		
<i>Trifolium ornithopodioides</i>							x			
<i>Trifolium scabrum</i>			x				x	x		
<i>Trifolium striatum</i>								x		
<i>Trifolium subterraneum</i>								x		
<i>Trifolium suffocatum</i>								x		
<i>Tripleurospermum maritimum subsp maritimum</i>			x							
<i>Vicia hirsuta</i>				x	x			x		
<i>Vicia lutea</i>			x	x	x		x	x	x	
<i>Vicia sativa</i>					x			x		
<i>Vulpia bromoides</i>			x		x	x	x	x	x	
<i>Vulpia myuros</i>							x	x		
<i>Xanthoria polycarpa</i>				x					x	x

Table C4xii. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

	S21	S21a	S21b	S25a	S26a	S26b	S26d	S4	S4a	S4b	S4d	S6
<i>Agrostis canina</i>						x						
<i>Agrostis stolonifera</i>				x						x		
<i>Ajuga reptans</i>												x
<i>Althaea officinalis</i>										x		
<i>Anagallis tenella</i>				x								
<i>Angelica sylvestris</i>				x	x	x	x					
<i>Apium graveolens</i>				x						x		
<i>Arrhenatherum elatius</i>						x		x				
<i>Aster tripolium</i>			x	x						x	x	
<i>Atriplex portulacoides</i>												x
<i>Atriplex prostrata</i>										x	x	
<i>Berula erecta</i>				x		x						
<i>Bolboschoenus maritimus</i>	x	x	x							x	x	
<i>Calamagrostis canescens</i>					x		x					
<i>Caltha palustris</i>				x			x					
<i>Calystegia sepium</i>					x	x						x
<i>Calystegia silvatica</i>				x								
<i>Cardamine flexuosa</i>												x
<i>Carex binervis</i>				x								
<i>Carex riparia</i>												x
<i>Cirsium arvense</i>						x			x			
<i>Cirsium palustre</i>				x								
<i>Conium maculatum</i>								x				
<i>Cynosurus cristatus</i>												x
<i>Elytrigia atherica</i>						x		x				
<i>Elytrigia repens</i>									x			
<i>Epilobium hirsutum</i>												x
<i>Epilobium obscurum</i>												x
<i>Epilobium palustre</i>						x						
<i>Equisetum palustre</i>				x								
<i>Eupatorium cannabinum</i>				x	x	x				x		x
<i>Festuca rubra</i>			x			x					x	
<i>Filipendula ulmaria</i>				x								x
<i>Galium aparine</i>					x	x		x			x	
<i>Galium palustre</i>				x		x				x		
<i>Glaux maritima</i>			x								x	
<i>Holcus lanatus</i>						x						
<i>Humulus lupulus</i>					x		x					x
<i>Iris pseudacorus</i>				x			x			x		x
<i>Juncus acutiflorus</i>				x								
<i>Juncus gerardii</i>			x									x
<i>Juncus maritimus</i>												x
<i>Juncus subnodulosus</i>				x								

Table C4xiii. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

	S21	S21a	S21b	S25a	S26a	S26b	S26d	S4	S4a	S4b	S4d	S6
<i>Lactuca virosa</i>						x						
<i>Lotus pedunculatus</i>				x								
<i>Lotus tenuis</i>						x						
<i>Lychmis flos-cuculi</i>				x								
<i>Lycopus europaeus</i>				x			x					
<i>Lysimachia nemorum</i>												x
<i>Lysimachia vulgaris</i>				x								
<i>Lythrum salicaria</i>				x								
<i>Medicago sativa</i> subsp. <i>sativa</i>											x	
<i>Mentha aquatica</i>				x						x	x	
<i>Molinia caerulea</i>				x								
<i>Oenanthe lachenalii</i>				x		x						
<i>Pellia endiviifolia</i>				x								
<i>Phalaris arundinacea</i>						x						
<i>Phragmites australis</i>		x		x	x	x	x	x	x	x	x	x
<i>Plantago maritima</i>											x	
<i>Polypogon monspeliensis</i>											x	
<i>Potentilla anserina</i>						x						
<i>Pteridium aquilinum</i>												x
<i>Puccinellia maritima</i>			x								x	
<i>Pulicaria dysenterica</i>				x								
<i>Ranunculus acris</i>				x								
<i>Rhynchospora squarrosa</i>				x								
<i>Rubus</i> sp								x				
<i>Rumex conglomeratus</i>						x						
<i>Rumex hydrolapathum</i>						x						
<i>Salix alba</i>					x							
<i>Samolus valerandi</i>				x								
<i>Scutellaria galericulata</i>				x								
<i>Solanum dulcamara</i>							x					x
<i>Sonchus arvensis</i>						x						
<i>Sonchus palustris</i>									x			
<i>Triglochin maritimum</i>			x								x	
<i>Urtica dioica</i>					x	x	x		x			x
<i>Valeriana officinalis</i>				x								
<i>Vicia cracca</i>				x	x							

Table C4xiv. The occurrence of plant species in NVC communities found at Alde-Ore Estuary SSSI, undertaken for Natural England by Abrehart Ecology from June to September 2013.

NVC Code

A21 <i>Ranunculus baudotii</i> community
M22a <i>Juncus subnodulosus</i> - <i>Cirsium palustre</i> fen-meadow, typical sub-community
M23a <i>Juncus effusus/acutiflorus</i> - <i>Galium palustre</i> rush-pasture, <i>Juncus acutiflorus</i> sub-community
MG11 <i>Festuca rubra</i> - <i>Agrostis stolonifera</i> - <i>Potentilla anserina</i> grassland
MG11b <i>Festuca rubra</i> - <i>Agrostis stolonifera</i> - <i>Potentilla anserina</i> grassland, <i>Atriplex prostrata</i> sub-community
MG1a <i>Arrhenatherum elatius</i> grassland, <i>Festuca rubra</i> sub-community
MG1b <i>Arrhenatherum elatius</i> grassland, <i>Urtica dioica</i> sub-community
MG1d <i>Arrhenatherum elatius</i> grassland, <i>Pastinaca sativa</i> sub-community
MG6c <i>Lolium perenne</i> - <i>Cynosurus cristatus</i> grassland, <i>Trisetum flavescens</i> sub-community
OV21 <i>Poa annua</i> - <i>Plantago major</i> community
S21 <i>Scirpus maritimus</i> swamp
S25a <i>Phragmites australis</i> - <i>Eupatorium cannabinum</i> tall-herb fen, <i>Phragmites australis</i> sub-community
S26a <i>Phragmites australis</i> - <i>Urtica dioica</i> tall-herb fen, <i>Filipendula ulmaria</i> sub-community
S26b <i>Phragmites australis</i> - <i>Urtica dioica</i> tall-herb fen, <i>Arrhenatherum elatius</i> sub-community
S26d <i>Phragmites australis</i> - <i>Urtica dioica</i> tall-herb fen, <i>Epilobium hirsutum</i> sub-community
S4a <i>Phragmites australis</i> swamp and reed-beds, <i>Phragmites australis</i> sub-community
S4b <i>Phragmites australis</i> swamp and reed-beds, <i>Galium palustre</i> sub-community
S4d <i>Phragmites australis</i> swamp and reed-beds, <i>Atriplex prostrata</i> sub-community
S6 <i>Carex riparia</i> swamp
SD1 <i>Rumex crispus</i> - <i>Glaucium flavum</i> shingle community
SD10b <i>Carex arenaria</i> dune community, <i>Festuca ovina</i> sub-community
SD1a <i>Rumex crispus</i> - <i>Glaucium flavum</i> shingle community, typical sub-community
SH1 <i>Arrhenatherum elatius</i> - <i>Silene uniflora</i> - <i>Rumex crispus</i> subsp. <i>littoreus</i> .
SH11 <i>Lathyrus japonicus</i> pioneer community, <i>Silene uniflora</i> sub-community
SH2a <i>Geranium robertianum</i> subsp. <i>maritimus</i> - <i>Arrhenatherum elatius</i> open grasslands.
SH34 <i>Festuca rubra</i> - <i>Armeria maritima</i> - <i>Plantago maritima</i> grasslands
SH36 <i>Elytrigia atherica</i> - <i>Festuca rubra</i> grassland
SH38- <i>Silene uniflora</i> - <i>Hypnum cuppressiforme</i> - <i>Arrhenatherum elatius</i> - <i>Rumex acetosella</i> grasslands
SH39 <i>Silene uniflora</i> - <i>Arrhenatherum elatius</i> moss and lichen-rich community
SH40 <i>Arrhenatherum elatius</i> - <i>Festuca rubra</i> - <i>Silene uniflora</i> - <i>Hypochoeris radicata</i> grasslands
SH41 <i>Arrhenatherum elatius</i> - <i>Festuca rubra</i> - <i>Plantago lanceolata</i> - <i>Silene uniflora</i> grasslands
SH6 <i>Silene uniflora</i> - <i>Crambe maritima</i> pioneer community.
SM10 Transitional low-marsh vegetation with <i>Puccinellia maritima</i> , annual <i>Salicornia</i> species and <i>Suaeda maritima</i>
SM11 <i>Aster tripolium</i> var. <i>discoideus</i> salt-marsh community
SM12 Rayed <i>Aster tripolium</i> stands
SM13a <i>Puccinellia maritima</i> salt-marsh community, <i>Puccinellia maritima</i> sub-community
SM13b <i>Puccinellia maritima</i> salt-marsh community, <i>Glaux maritima</i> sub-community
SM13c <i>Puccinellia maritima</i> salt-marsh community, <i>Limonium vulgare</i> - <i>Armeria maritima</i> sub-community
SM13d <i>Puccinellia maritima</i> salt-marsh community, <i>Plantago maritima</i> - <i>Armeria maritima</i> sub-community
SM13f <i>Puccinellia maritima</i> salt-marsh community, <i>Puccinellia maritima</i> - <i>Spartina maritima</i> sub-community
SM14a <i>Halimione portulacoides</i> salt-marsh community, <i>Halimione portulacoides</i> sub-community
SM14b <i>Halimione portulacoides</i> salt-marsh community, <i>Juncus maritimus</i> sub-community
SM14c <i>Halimione portulacoides</i> salt-marsh community, <i>Puccinellia maritima</i> sub-community
SM15 <i>Juncus maritimus</i> - <i>Triglochin maritima</i> salt-marsh community
SM16 <i>Festuca rubra</i> salt-marsh community
SM16a <i>Festuca rubra</i> salt-marsh community, <i>Puccinellia maritima</i> sub-community
SM16b <i>Festuca rubra</i> salt-marsh community, <i>Juncus gerardii</i> sub-community
SM16c <i>Festuca rubra</i> salt-marsh community, <i>Festuca rubra</i> - <i>Glaux maritima</i> sub-community
SM16d <i>Festuca rubra</i> salt-marsh community, <i>Festuca rubra</i> sub-community
SM17 <i>Artemisia maritima</i> salt-marsh community
SM23 <i>Spergularia marina</i> - <i>Puccinellia distans</i> salt-marsh community
SM24 <i>Elymus pycnanthus</i> salt-marsh community

NVC Code
SM25a Suaeda vera drift-line community, Elymus pycnanthus sub-community
SM26a Inula crithmoides stands, Puccinellia maritima sub-community
SM26b Inula crithmoides stands, Elymus pycnanthus sub-community
SM28 Elymus repens salt-marsh community
SM4 Spartina maritima salt-marsh community
SM6 Spartina anglica salt-marsh community
SM8 Annual Salicornia salt-marsh community
SM9 Suaeda maritima salt-marsh community
U1b Festuca ovina-Agrostis capillaris-Rumex acetosella grassland, typical sub-community
U1f Festuca ovina-Agrostis capillaris-Rumex acetosella grassland, Hypochoeris radicata sub-community
W10a Quercus robur-Pteridium aquilinum-Rubus fruticosus woodland, typical sub-community
W10d Quercus robur-Pteridium aquilinum-Rubus fruticosus woodland, Holcus lanatus sub-community
W6a Alnus glutinosa-Urtica dioica woodland, typical sub-community
W6d Alnus glutinosa-Urtica dioica woodland, Sambucus nigra sub-community